



White 8000 Quick Attach Firmer Bracket Installation

(Smart Firmer and FurrowJet Compatible)

White 8000 Quick Attach Firmer Bracket Kit: 150147

Part Number	Description	Quantity
150145	QA Bracket — Right Side	1
150146	QA Bracket — Left Side	1
150148	Hardware Kit	1

Note: This document contains installation steps for both Quick Attach Keeton Tail/SmartFirmer and FurrowJet/FurrowJet Compatible SmartFirmer. Follow the applicable steps to ensure correct installation.

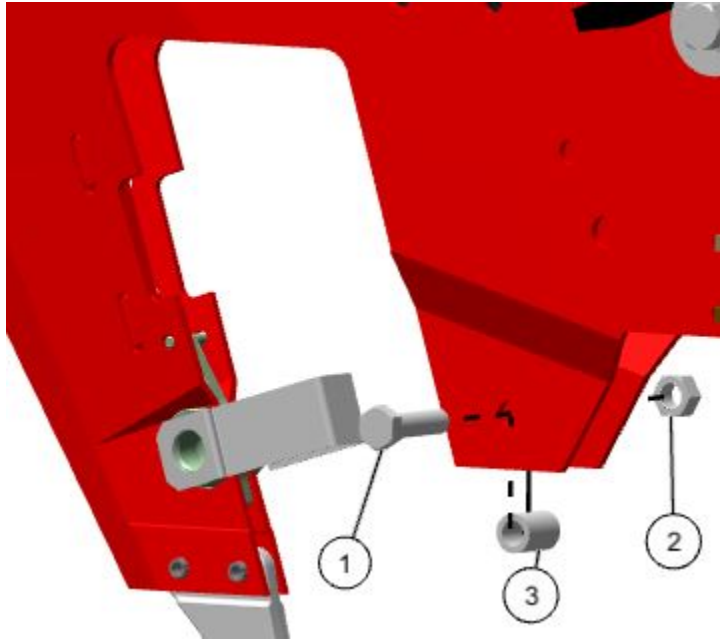
Note: If universal Keeton brackets (non-quick attach) are currently installed, the seed tube holder would have been removed during installation. This part is critical to maintain proper alignment of the seed tube to the shank. It will need to be re-installed when using the quick attach Keeton bracket. If they are no longer available, they can be sourced from an AGCO Dealer.

Step 1:
Row Unit Preparation

- a: Raise the planter.
- b: Remove the gauge wheels and opening discs.
- c: Check the seed tube guard and seed tube for wear and replace as necessary.

Note: It is not required, but removing the seed tube will make installation easier.

- d: Remove the bolt (1), nut (2), and bushing (3) from the row unit shank as shown. Keep for later use.

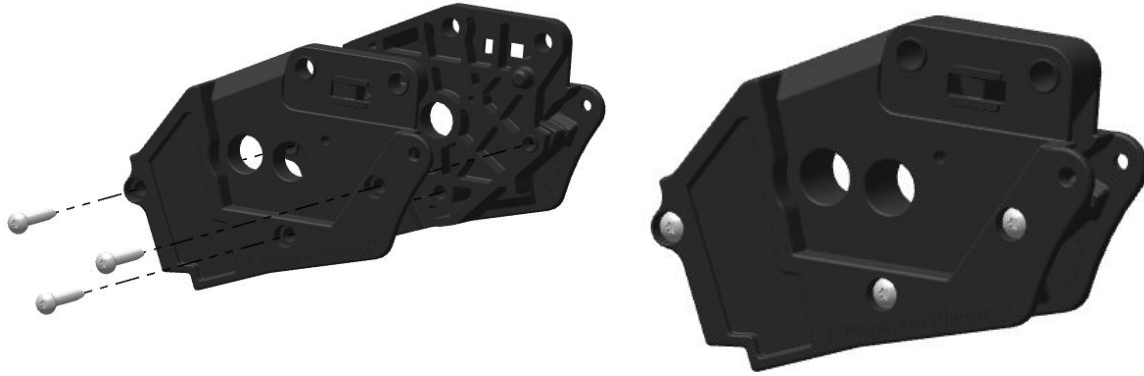


Note: If installing with FurrowJet, skip the following section and refer to “Step 3: Installation for FurrowJet and FurrowJet Compatible SmartFirmer” on page 4.

Step 2:

Installation for QA Keeton Tail or SmartFirmer

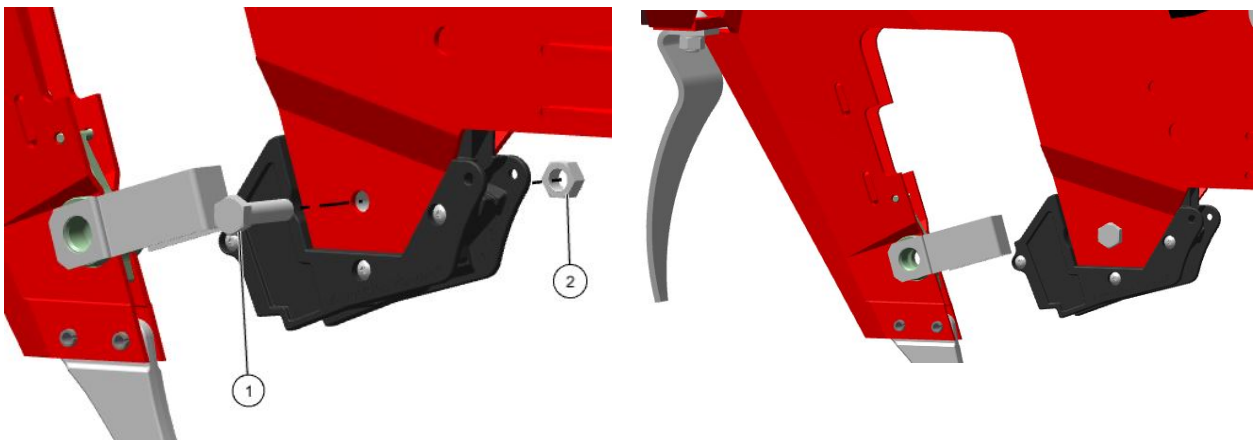
- a: Locate the two quick attach bracket sides and assemble as shown using the three provided 1.25” screws.



- b: Insert the bushing into the second hole (farthest from the parallel arms) in the quick attach bracket as shown.



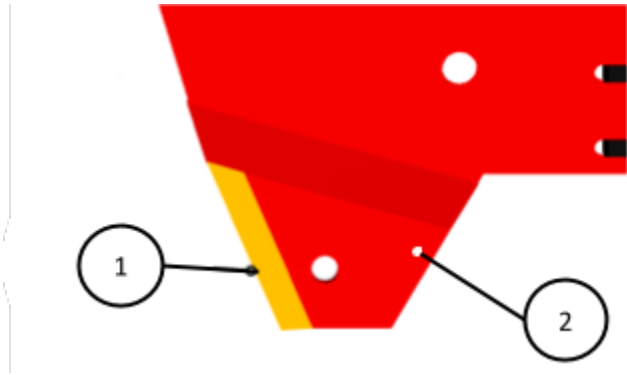
- c: Position the quick attach bracket in the row unit shank as shown and ensure the hole with the bushing lines up with the hole in the shank. Secure the bracket with the bolt (1) and nut (2) removed earlier. Installation of the bracket is now complete. Refer to the “Installation Completion” section to finish installation.



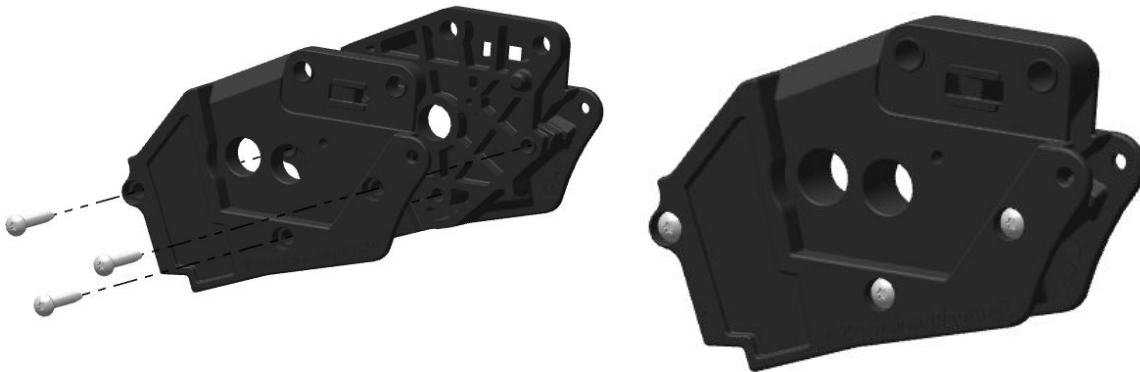
Step 3:

Installation for FurrowJet and FurrowJet Compatible SmartFirmer

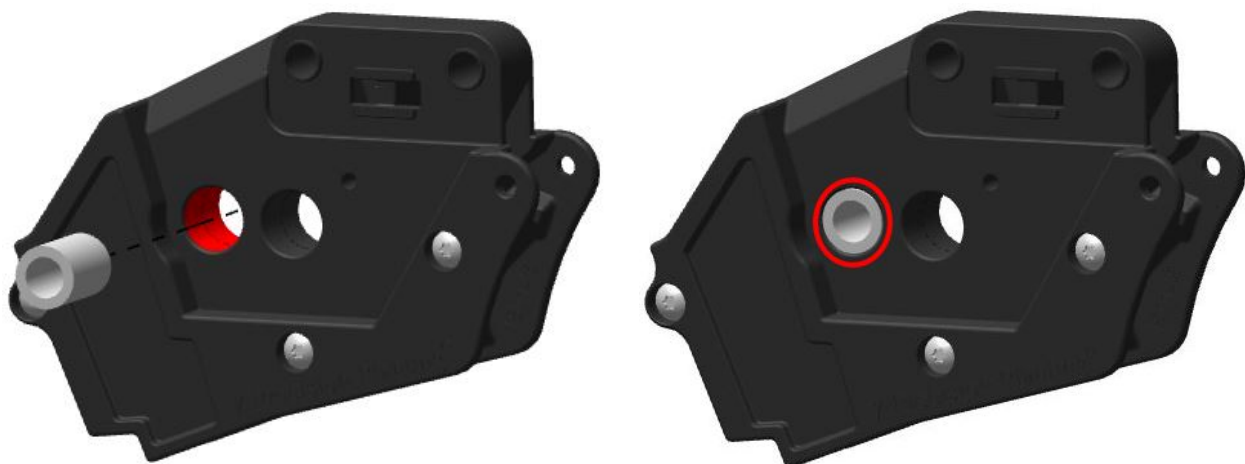
- a: Cut out and place the provided template(s) on the respective side(s) of the shank. The bottom of the template should align with the bottom of the shank.
- b: Use the template as a guide to remove the indicated material from each side of the shank (1). Next, Drill a $\frac{7}{32}$ " hole in each side of the shank as indicated by the template (2).



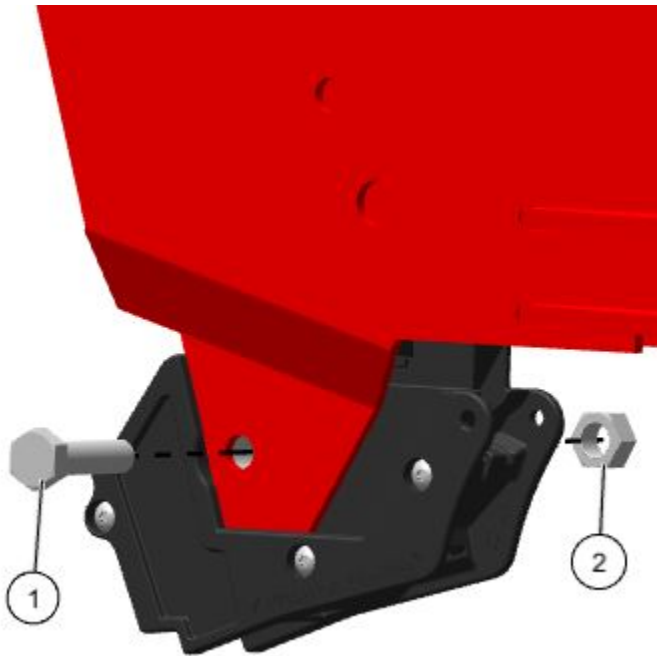
- c: Locate the two quick attach bracket sides and assemble as shown using the three provided 1.25" screws.



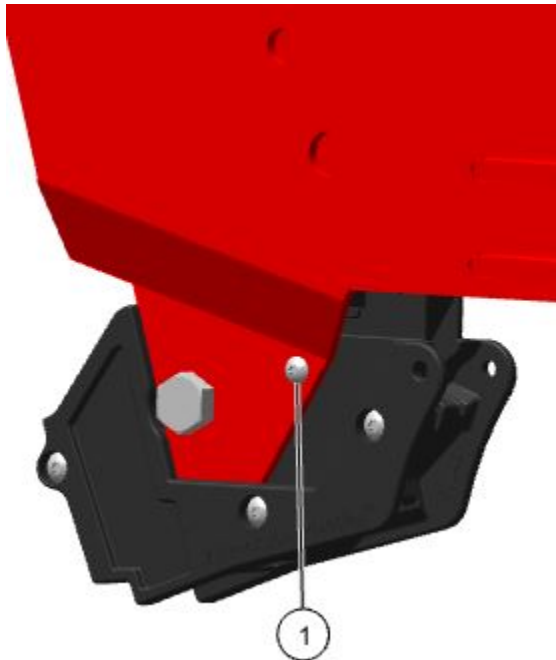
- d: Insert the bushing into the first hole (closest to the parallel arms) in the quick attach bracket as shown.



- e: Position the quick attach bracket in the row unit shank as shown and ensure the hole with the bushing lines up with the hole in the shank. Secure the bracket with the bolt (1) and nut (2) removed earlier.



- f: Install the two provided 0.5" locking screws (1). Bracket installation is now complete.



Step 4:

Installation Completion

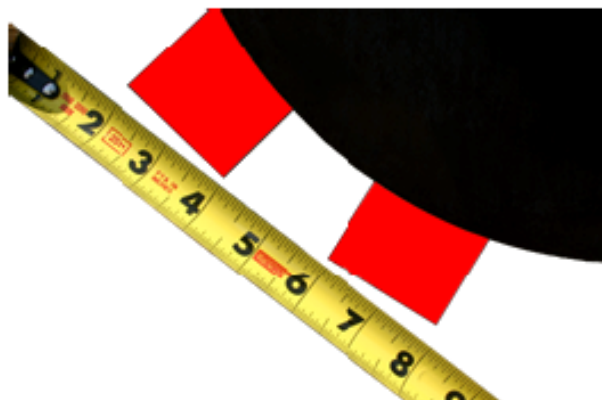
- a: If the seed tube was removed, re-install and ensure it is fully seated on the lower seed tube pin.
- b: Re-install the opening discs and shim as necessary. Refer to the OEM planter manual for proper shimming.
- c: Re-install the gauge wheels according to manufacturer's instructions.

Opening Disks Installation and Service

When servicing planter wear parts, always refer to the OEM service manual for correct service specifications. These are only general guidelines for most common models.

Setting Opening Disks Contact

Take 2 business cards and slide one card in from the top of the disk openers and one from the bottom. Then slide them towards each other, until they pinch between the disk openers. Measure the distance between the two cards. Spin the disk openers and take measurements at 3 points of rotation. Adjust shims as needed to get the correct distance of contact.



- If the gap is too wide (too much contact), you will need to add a shim to the disk opener.
- If the gap is too narrow (too little contact), you will need to remove a shim.

Correct Contact based on Blade Thickness

3.0 mm blade thickness: 1.5” – 2.5”

3.5 mm blade thickness: 1.0” - 1.5”

4.0 mm blade thickness: 3/4”– 1.0”

Note: Case IH “LeadingEdge” openers should only have approx. 1/8” of contact or less.

Replacing Opening Disks

To improve the seed trench “vee”, make sure the opener disks are not worn. Measure the diameter and refer to the table below:

Planter Model	NEW Disk Diameter (OEM)	Replace if less than:
John Deere, Kinze	15.0” (38.1 cm)	14.5” (36.8 cm)
Case IH 12xx	14.0” (35.6 cm)	13.5” (34.3 cm)
Case IH 2xxx	15.0” (38.1 cm)	14.5” (36.8 cm)
White 9xxx	16.0” (41.6 cm)	15.5” (39.4 cm)
White 8xxx	15.0” (38.1 cm)	14.0”

Important: This document must be printed at a 1:1 ratio for accuracy. To verify ratio, cut the template out, it should match the bottom of the shank.

