

Quick-Attach Firmer Bracket Install (Smart Firmer & FurrowJet Compatible)

Parts List

Part Number	Description	Quantity
150150	Quick Attach Keeton Bracket Assembly (F.J. Compatible)	1
141190	Stiffener Bracket	1

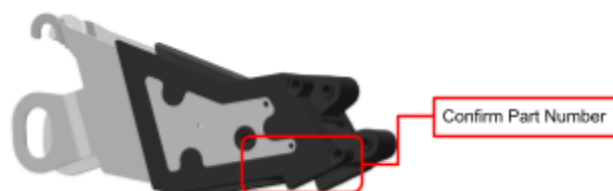
Compatible with WaveVision® sensors or other seedtubes/sensors

Row Unit Preparation

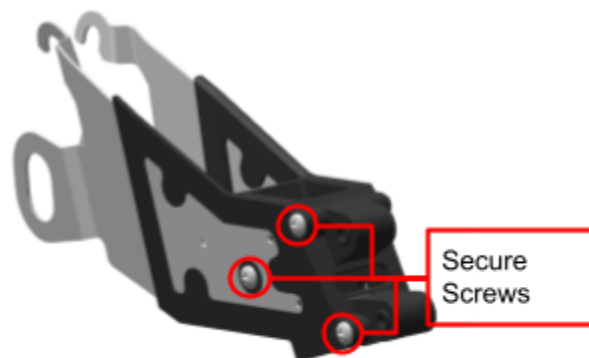
- Raise the planter and remove both gauge wheels and disc openers from the row unit.
- Inspect the seed tube guard and seed tube. If these are worn, replace them now while they are easily accessible. Remove the seed tube.
- Remove all disc opener shims.

Quick Attach Firmer Bracket Installation

1- Locate the bracket pieces and cut the zip tie securing them together. The bracket kit part number is molded onto the left piece. Confirm it is the correct kit for the specific row unit.
150150



2- Assemble the firmer bracket pieces using the three (3) supplied #8 X 1.25" screws.



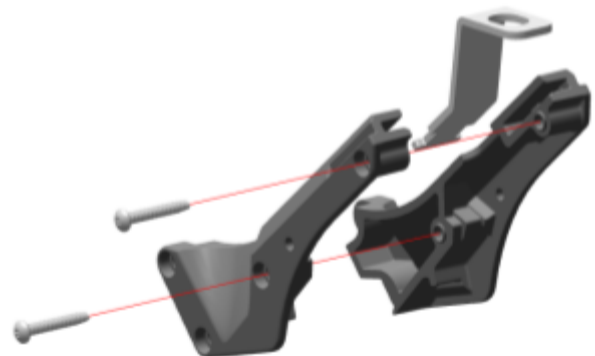
3- Secure the upper bracket hooks to the lower seed tube pin on the shank and align each eyelet with the disk opener shaft hole.



II

Stiffener Bracket Installation

1- Assemble the Stiffener bracket assembly to the hanger bracket. The 141190 kit should have the hanger bracket carriage bolt holes oriented as shown. Install the hanger bracket in between the stiffener bracket assembly sides, and secure using the #10 Torx screws in the rearmost holes.



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



3- Once secured, attach the stiffener bracket hanger with a bolt to secure the row unit.



4- Installation Completion

- a) Reinstall the seed tube.
- b) Reinstall the opening disks and shim as necessary. Ensure the firmer bracket remains fully seated on the lower seed tube pin when tightening. Apply downward force on the rear of the bracket when installing the opening discs.

Note: The Keeton bracket eyelets will serve as a shim for each disk. General recommendation would be one less shim (per side) than previously installed. Install shims outside of the firmer bracket. Refer to the planter manual for proper shimming and contact of double disk openers.

- c) Reinstall both 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 the manufacturer's suggested dimension, replace them.

Correct Contact Between Disk Openers

3.0 mm blade thickness – 1.5”–2.5”

3.5 mm blade thickness – 1”–1.5”

