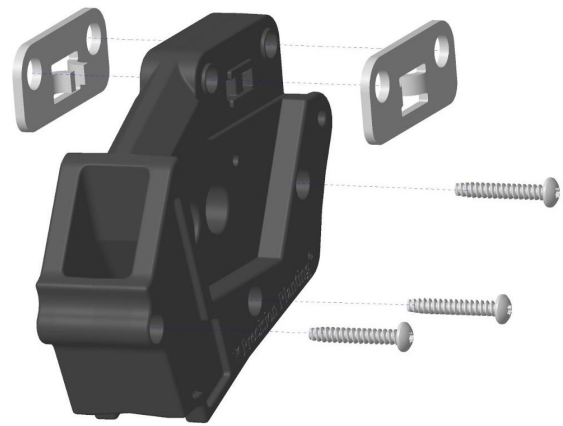


John Deere ExactEmerge Quick Attach and FurrowJet Support Bracket Installation (141180)

This guide will detail the process to attach Keeton seed firmers to a John Deere ExactEmerge row unit using the FurrowJet support bracket kit (PN 141180). This kit is FurrowForce compatible.

Step 1:

Assemble the Quick Attach bracket using the hardware supplied in kit 141180.



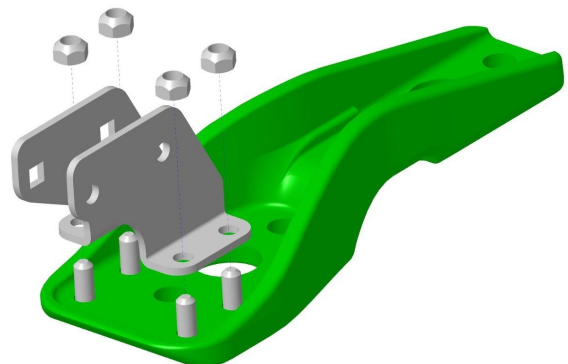
Step 2:

Locate the cast bracket and insert the four M8–1.25 X 20 hex head bolts through the top of the bracket.



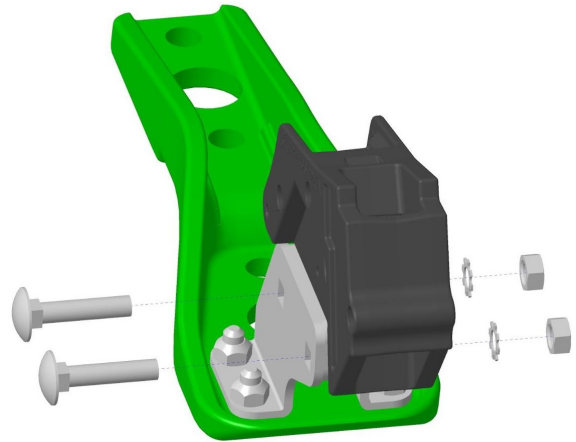
Step 3:

Flip the cast bracket over and attach the two sheet metal Quick Attach brackets over the M8 bolts. It may be necessary to place the cast bracket on a flat surface to hold the bolts in place, or to install them one at a time. Loosely secure the metal brackets with four M8 lock nuts, but do not fully tighten as the brackets may need aligned in the following step.



Step 4:

Place the Quick Attach bracket assembly (from step 1) between the two sheet metal Quick Attach brackets and align the mounting holes. Insert the two M8–1.25 X 40 carriage head bolts through the metal bracket with the square holes. Secure each bolt with a M8 external tooth lock washer and M8 nut. Ensure the Quick Attach bracket is centered with the cast bracket, then tighten the lock nuts from step 3.



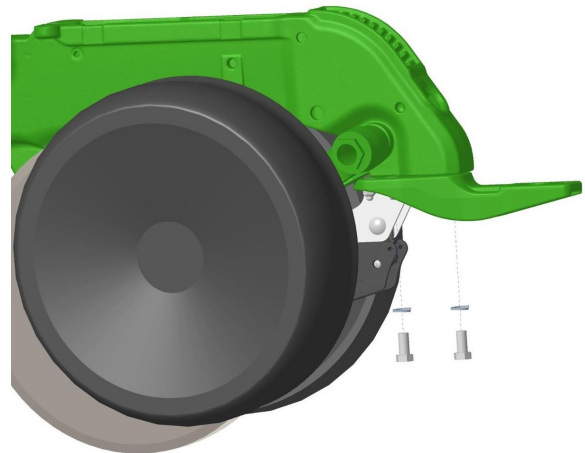
Note: The metal bracket with the square holes should be on the left hand side with the cast bracket positioned as shown.

Step 5:

Remove the OEM or other existing closing system.

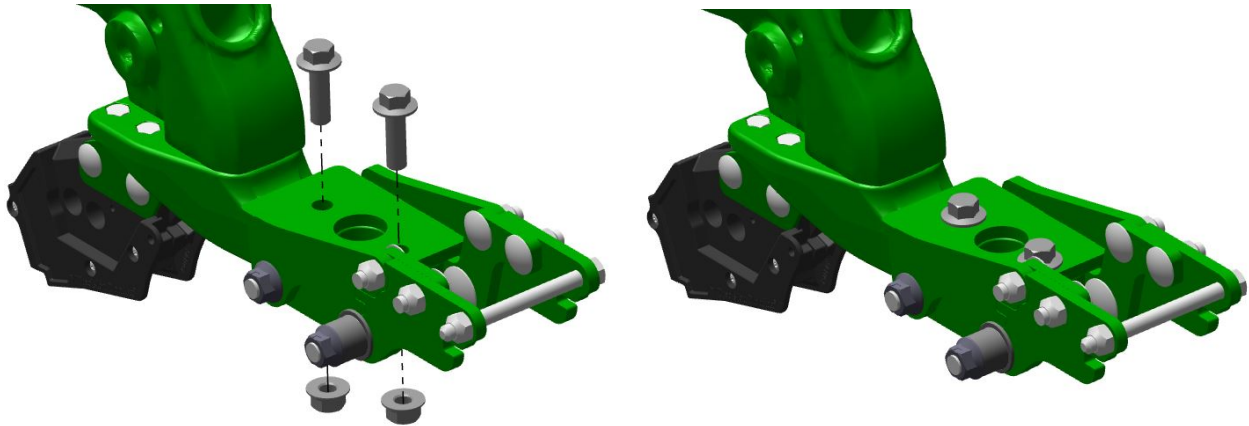
Step 6:

Orient the cast bracket assembly right side up (Quick Attach bracket on the bottom) and align it with the closing system mounting holes in the shank. The end with the Quick Attach bracket should install onto the shank as shown. Install a provided M12 lock washer and M12–1.75 X 25 bolt through the cast bracket and into the shank. Repeat for the other mounting hole.



Step 7:

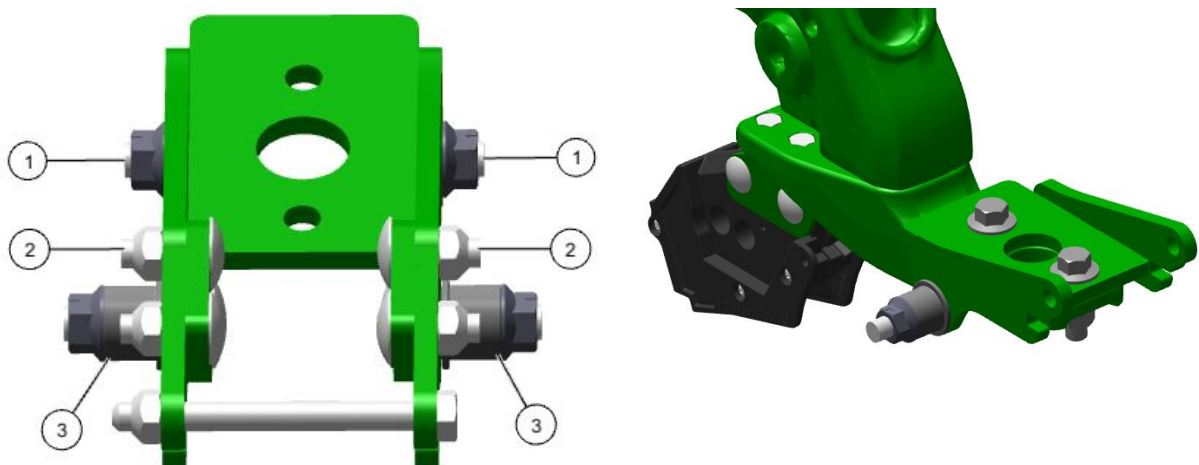
Place the FurrowForce row unit bracket on top of the cast bracket and install the two provided M12–1.75 X 40 flange head bolts from the top. Secure each with a M12 flange lock nut.



Note: When installing the FurrowForce row unit bracket with the setbacks, the carriage bolts closest to the row unit hit the cast bracket and do not allow for proper installation. There are two options that can be performed to correct the installation.

1. If the rock guard is not being installed, the setback brackets can be removed from the row unit bracket.

Remove the setback brackets from the row unit bracket by removing the securing hardware (1 and 2). Remove the bushing(s) and hardware (3), and install it in the front hole(s) of the row unit bracket (closest to the row unit).



2. If the rock guard is being installed, the head of two carriage head bolts (1) can be ground down slightly to provide enough clearance to install the row unit bracket. The setback brackets remain installed.

Installation With John Deere Pneumatic Closing System

When installing the 141180 kit on Row Units equipped with the John Deere pneumatic closing system, there may be interference between two bolts on the closing system arms and the area on both sides of the cast bracket marked in red below.

To address this issue, undo the two interfering bolts on the closing system arms and reinstall them with the bolt heads on the inside of the closing system and the nuts and bolt ends on the outside.

If additional clearance is necessary after changing the orientation of these bolts, the outside edges of the cast bracket may be ground down around the marked areas to allow for closing system clearance.

This issue has been addressed in the newest design of the cast bracket and reorientation of bolts and/or bracket modification should only be performed if interference occurs.

