

SmartFirmer™

SmartFirmer Install Guide

Precision Planting®

Before Installation of SmartFirmer

This installation is for both the standard and low stick SmartFirmers

- Ensure Keeton Quick attach brackets are installed
- Update 20/20 to newest software from www.precisionplanting.com



Note: Installation guide will show row unit with gauge wheels and opening discs removed, there is no need to remove either component for installation. (Unless quick attach brackets are also being installed)

SmartFirmers are not assigned to specific rows. The recommendation for installation is to space them evenly across your planter. The examples below are for even spacing while installing four SmartFirmers. If installing a different number of SmartFirmers, use best judgment for even spacing. Even spacing will ensure most accurate data sets.

Non Split Row Planters				
12 Row				
Rows	2	5	8	11
16 Row				
Rows	3	6	11	14
24 Row				
Rows	4	10	15	21
32 Row				
Rows	5	12	20	27
36 Row				
Rows	5	14	23	32

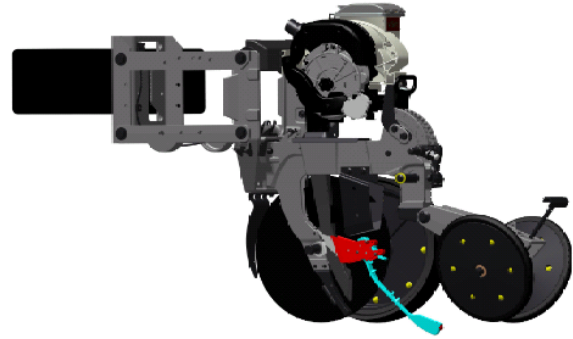
Split Row Planters							
Kinze				Agco & Deere			
12/ 23 & 24 Row				12/23			
2	5	8	11	3	9	15	21
16/ 31 & 32 Row				12/24			
3	6	11	14	4	10	16	22
				16/31			
				5	11	21	27
				16/32			
				6	12	22	28

Setup & Operations Manual can be found on the Precision Planting Cloud under Tech Docs
<https://cloud.precisionplanting.com/pubs/>

Installation

Step 1:

Remove Keeton Seed Firmer from quick attach bracket. If using liquid, remove tubing as well.



Step 2:

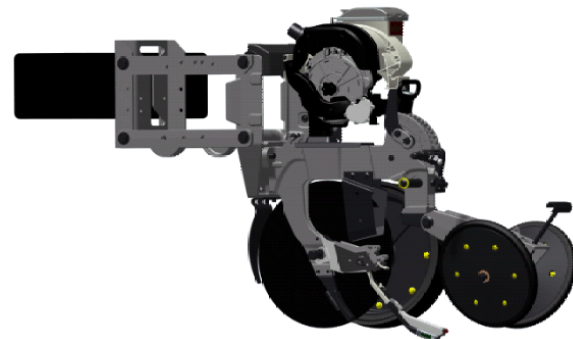
Route SmartFirmer harness & liquid tube through the cut out where the Quick Attach Keeton & SmartFirmer lock into place.



Step 3:

Gently pull harness upward to guide the SmartFirmer to Quick Attach Bracket. Install the SmartFirmer into the Quick Attach Bracket.

Note: Ensure you hear the firmer “click” (Lock) into position. If quick attach brackets have been used in previous season, debris could cause attachment to not be fully seated. If not properly installed the SmartFirmer may detach and causing irreversible damage to sensor/harnessing.



Step 4:

Route harness up shank towards CAN Expansion Module. Harness routing will vary between row unit makes/models. Components on row will also affect routing. If harness is unable to be routed through space provided in front of seed/speedtube, you may need to route alternatively (Example: route through depth adjustment). Use best judgement for routing, and then secure harness with zip ties or P-clips.



Figure 1.
Harness routed in front of Seedtube



Figure 2.
Harness routed out depth adjustment

Step 5:

The SmartFirmer harness will plug directly into the CAN Expansion hub.

Note: In certain instances an extension may be required depending on expansion hub installation location.

Step 6:

After installation is complete power on the 20/20 and allow SmartFirmer to complete a firmware update.

