

SpeedTube™

Harvest International Row Unit Kit Installation Manual

Precision Planting®

Harvest International Row Unit Kit Installation Manual

Part Number	Description	Quantity
768691	Harvest International Speedtube Row Unit Kit	1
The Row Unit Kit Includes The Following Parts		
150109	Quick Attach Keeton Firmer Bracket	1
768692	Harvest International Speedtube Retention Spring	1
768693	Harvest International Speedtube Shank Cover	1
768735	Harvest International Speedtube Guard	1

SpeedTube Guard Installation

Step 1:

Raise the planter.

Step 2:

Remove the seed tube.

Step 3:

Re-install the seed tube pin.

Step 4:

Remove both gauge wheels and opening disks. Refer to OE Manufacturer's instructions.

Step 5:

Remove OEM seed tube guard. Refer to Manufacturer's instructions.

Step 6:

Align the SpeedTube guard with the holes in the shank and use a 5/16" (8 mm) or 11/32" (9 mm) punch to install the 3/8" x 7/8" slotted spring pins through the holes. Keep them centered in the shank. For easier installation, insert a 3/8" bolt or pin in the rear hole while installing the front spring pin. Refer to illustration 1.

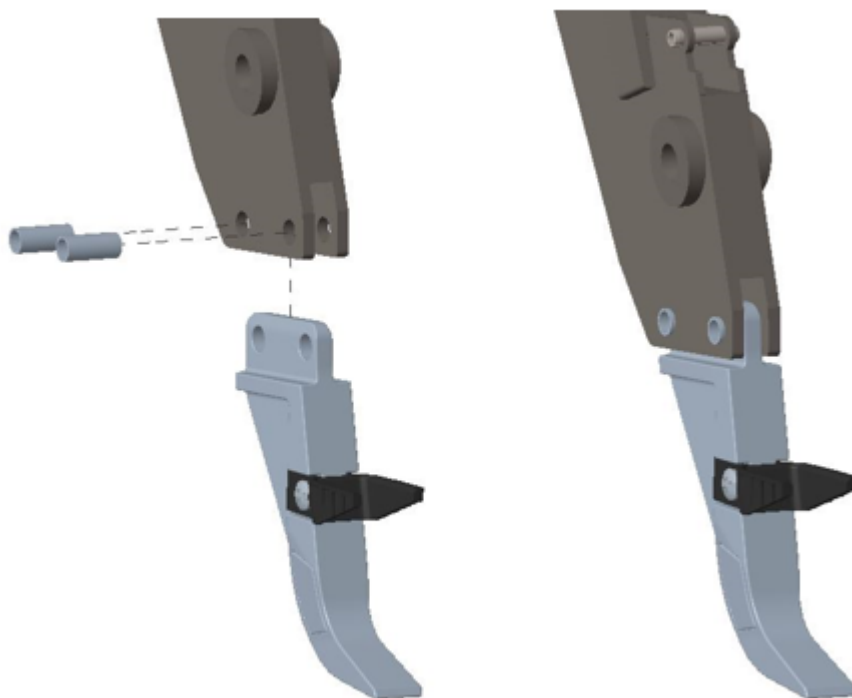


Illustration 1 – SpeedTube Guard Installation

Step 1:

Locate and assemble the left and right firmer bracket pieces using the three (3) supplied #8 X 1.25” screws.

Step 2:

With the bracket assembled, secure the upper bracket hooks to the lower seed tube pin on the shank. Orient each bracket eyelet over the opening disc mounting holes. Refer to illustration 2 on the next page.

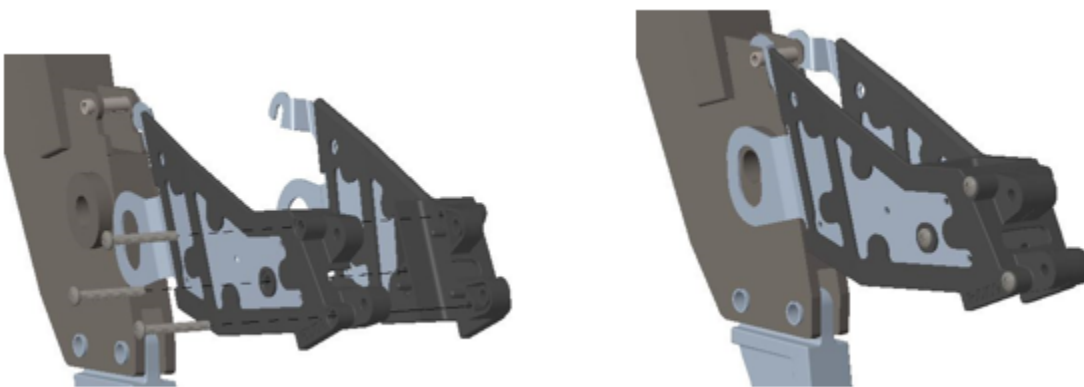


Illustration 2 – Quick Attach Keeton Firmer Bracket Installation

SpeedTube Retention Spring Installation

Step 1:

Orient the retention spring over the shank opening as shown in illustration 3.

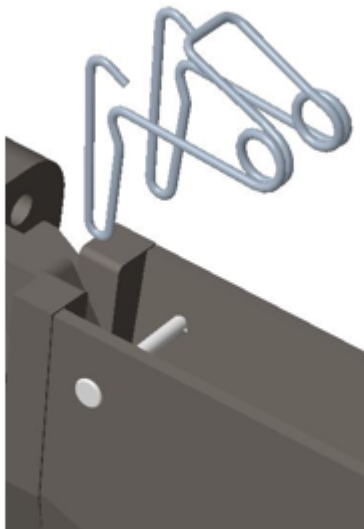


Illustration 3 – SpeedTube Retention Spring Alignment

Step 2:

Push the retention spring down over the seed tube pin. Refer to illustration 4 on the following page.

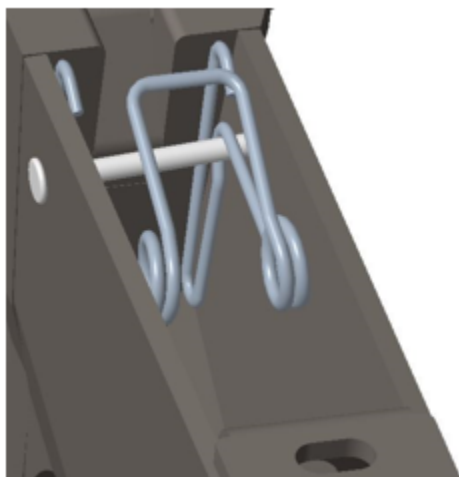


Illustration 4 – SpeedTube Retention Spring Installed

Shank Cover Installation

Step 1:

Position the shank cover over the shank opening. Insert the rear tab into the oval opening as shown in illustration 5.

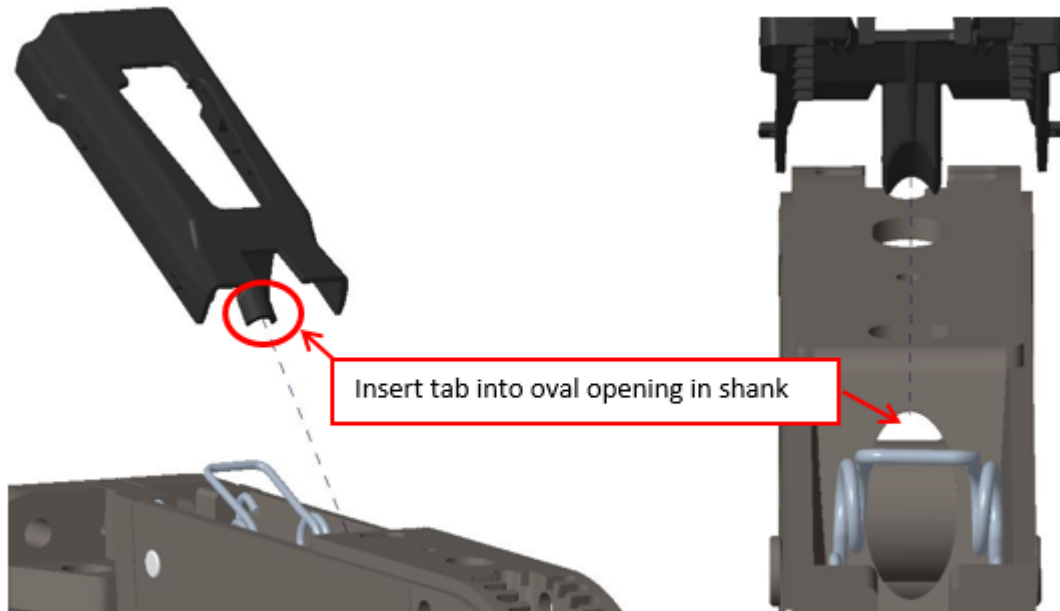


Illustration 5 – Shank Cover Alignment

Step 2:

If desired, route the load pin wire through the molded slots on the underside of the cover before installing.

Step 3:

Press the cover down until fully seated on the shank. The front tabs should lock into place under the goalpost. Refer to illustration 6 on the following page.

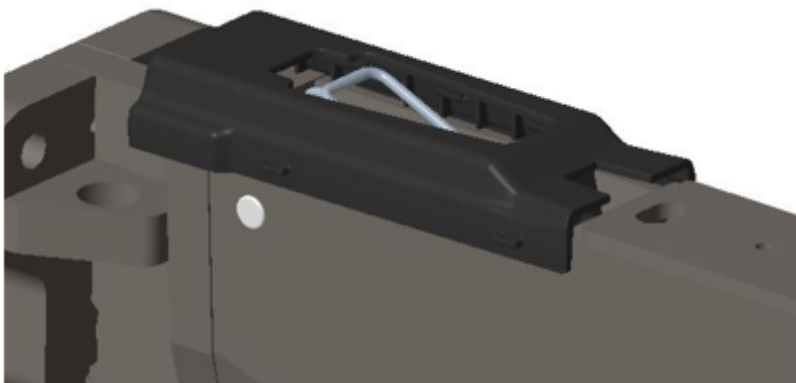


Illustration 6 – Shank Cover Installed

SpeedTube Installation

Step 1:

Lower the SpeedTube onto the retention spring so the front hook rests on the retention spring as shown in illustration 7. The SpeedTube should rest freely on the retention spring.

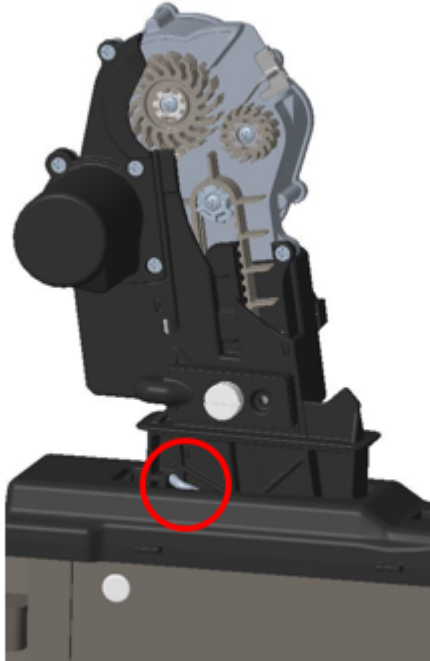


Illustration 7 – SpeedTube Resting on Retention Spring

Step 2:

Locate the CAN jumper harness that will be used for SpeedTube and plug into the Row CAN expansion hub and the SpeedTube module.

vSet2 Meter and SpeedTube Interface

Step 1:

Install the assembled hopper and meter to the row unit. Refer to the vSet 2 instructions for details. When locking the hopper in place with the rear latch, ensure the SpeedTube housing and vSet 2 meter housing are properly aligned. The meter housing should pilot into the open area above the SpeedTube motor housing. The tab on the SpeedTube housing should align between the opening of the meter housing and meter cover. Refer to illustration 8.

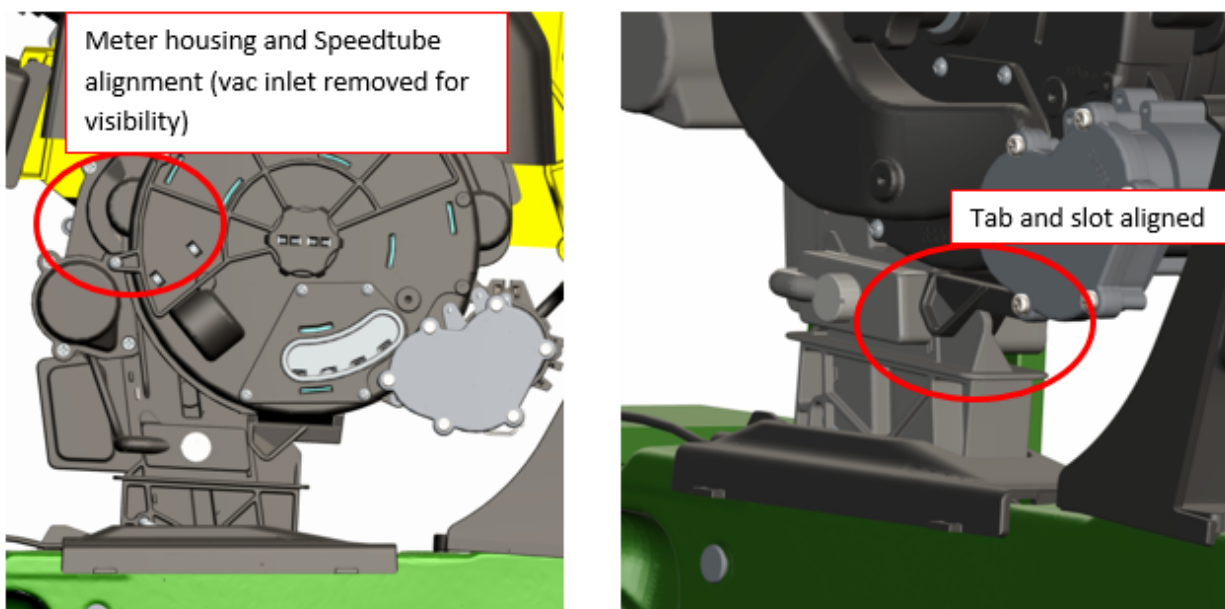


Illustration 8 – vSet 2 Meter and SpeedTube Interface

Installation Completion

Step 1:

Reinstall the opening disks with 1.5”-2” of contact (check multiple locations). Shim disks as necessary. Ensure firmer bracket remains fully seated on the lower seed tube pin when tightening.

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.

Step 2:

Reinstall both gauge wheels according to Manufacturer’s instructions.