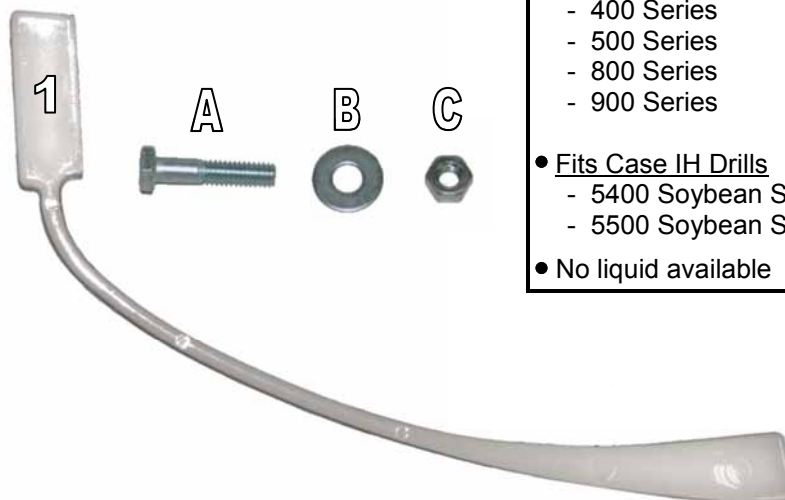


Mounting Instructions for a Case IH

Parts List

1. Firmer Tail, (102IHP700)
 Hardware Kit Includes
 A) 1/4" x 1 1/4 Bolt, (1)
 B) 1/4" Flat Washer, (1)
 C) 1/4" Nut, (1)



- Fits Case IH Planters
 - 400 Series
 - 500 Series
 - 800 Series
 - 900 Series
- Fits Case IH Drills
 - 5400 Soybean Special
 - 5500 Soybean Special
- No liquid available

Installation Instructions for: 800, 900 series & 5400, 5500 Soybean Special

Step
1

Remove seed tube by removing the tube's locking pin. Slide the tube up and out of the seed boot. Next, locate the roll pin that holds the rubber flap. Remove the pin using a roll-pin punch and discard the flap. It won't be needed after the Seed Firmer is in place. Remove the 3/8" bolt that holds the steel closing disc assembly and move it to one side to give clear access to the flat plate on the rear of the seed boot.



Step
2

Drill a 9/32" hole in the rear plate of the seed boot using a center punch to locate the hole 5/8" from the bottom of the plate and centered from side to side. Next, push the provided 1/4" bolt through the drilled hole from inside the seed boot. Position the Firmer on the back of the seed boot so that the bolt is in the middle of the vertical slot of the Firmer. Secure with washer and nut. This is a starting place for the proper tension. The tension can be adjusted by mounting the Firmer higher or lower in the vertical slot. The tail of the Firmer should be applying pressure on the floor when the planter is resting on a hard surface. After achieving the desired tension, replace the disc assembly, seed tube and locking pin. (The base of the Firmer can be mounted on the inside of the seed boot if desired, following the same instructions above.)

Step
3

Test depth before you begin to plant. For best results and depth accuracy, make sure planter units are level to the ground. Engage the planter in the ground and run 10 feet. Check to see that the seed is at desired depth. Readjust depth of the row unit if necessary. The Firmer should provide just enough tension to push seeds to the bottom of the trench.

Questions? Check the website: www.precisionplanting.com or call us at 309-925-5050.

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Installation Instructions for 400 & 500 Series

Step 1

Lower the planter so the opening disks are resting on a hard flat surface. The Seed Firmer needs to be mounted in the center of the row behind the seed tube. Measure up from the ground approximately 3-5/8" and locate a place to drill a hole for mounting the Firmer. In some cases a metal strap may need to be designed in order to mount the Firmer at the proper distance from the ground.

Step 2

After drilling the hole, position the 1/4" bolt through the hole and the middle of the vertical slot of the Firmer. Tighten with washer and nut. (The head of the bolt should be toward the front of the planter to provide easy access to the nut for adjustments.)

Warning: Backing Up tractor while planter is not fully raised can result in damage to the Keeton Seed Firmers.

Storage: Installed Firmers should not be stored touching the ground between planting seasons.

Troubleshooting Guide

Problem	Solution
Firmer not centered in trench. Groove worn on side of firmer.	<ol style="list-style-type: none"> 1 ► Check to see if row unit is trailing straight. 2 ► Check to see if firmer is bent or damaged
Dirt builds up on firmers.	<ol style="list-style-type: none"> 1 ► Some build-up on firmers is acceptable as long as it is on the sides and top of the firmer, and does not get wider than the V-trench sidewalls. 2 ► If build-up happens on the bottom of the firmer, check for proper tension. 3 ► Check for damage or rough spots on the bottom of the firmer.
Uneven wear on bottom.	<ol style="list-style-type: none"> 1 ► Check opener disk contact and shim if necessary. 2 ► Check liquid starter shoe for interference with firmer. 3 ► Make sure firmer tail is trailing down center of trench.

Warranty: Precision Planting®, Inc. warrants this product to be free from defects in material or workmanship during the first year of service. Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that in our judgment shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from the date of failure – routed through the dealer from whom the purchase was made. Shipping charges prepaid.

Precision Planting® shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. This warranty does not extend to loss of crops, loss because of planting delays or any expense or loss incurred for labor, supplies, substitute machinery, rental or for any other reason. Precision Planting makes no other warranty, express or implied.

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