Dual Placement Fertilizer Bracket Installation Instructions

WHITE 8000 Series

NOTICE – IMPORTANT ! Before attempting to install brackets or work on planter, make sure planter is locked up in transport position using safety supports supplied by planter manufacturer. In addition, block wheels so planter cannot roll and place additional support under toolbar of planter (jackstands, wood cribbing, etc.) Never allow any part of your body to get under planter at any time. FAILURE TO HEED THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH ! Work with safety in mind at all times !

Disassembly:

1. Remove (3) M12 bolts and nuts that bolt V press wheel pivot shaft to row unit. 18mm socket or 6pt. ¾” socket will work
2. Unhook spring from “U” shaped spring support and set V press wheel bracket aside
3. Using a 15/16” socket, remove the M16 bolt that holds the gauge wheel pivot shaft in place. You will not reuse this bolt

Installing the bracket:

1. Thread the M16 half nut all the way onto the M16 allen bolt. Put some antiseize on the threads of the allen bolt
2. Slide the M16 allen bolt thru the top hole of the bracket and, with the bracket in position, thread the M16 allen bolt into the row unit where the M16 bolt was previously located. Tighten this bolt with a M16 allen socket to 65 ft/lbs. At this point, the the half nut should still be backed out all the way to the head of the allen bolt. This nut will be tightened later. It is important to do step 2 before step 3 !
3. Take the aluminum spacer provided and slide it into position on the front side of the bracket. This is a friction fit. You will notice that one end of the alum. spacer has a bevel ground on it. This is the end to slip in from. A large “C” clamp works great but a plastic deadblow will get the job done as well. When I do it , I like to slide it in from the right side. Have a long tapered punch at the ready to slip thru the holes to assure correct alignment of the spacer . This step is a pain to do, but the spacer makes the bracket incredibly rigid.
4. After the spacer is in place and the holes line up, slip the ½” by 2 ½” hex bolts in (provided in kit), install lock washers and tighten nuts to 55 ft/lbs. The bolts should be installed from the top down
5. Using a very deepwell 15/16” or metric socket, tighten the half nut down to 45 ft/lbs.
6. Rehook the V press spring onto the “U” support at the rear of the bracket
7. Slip the V press wheel bracket pivot into place and reinstall the 3 bolts. Make sure the nylon bushings are in place.
8. Align the press wheels and tighten the 3 bolts

Installing the Left and Right Struts and Mini Openers

1. Using a plastic deadblow, tap the left and right struts up thru the mounting blocks and tighten 1 allen bolt with the “T” handle allen wrench provided to prevent the strut from dropping out. The top of the stem should protrude about ½” thru the topside of the mounting block. You will change this later when you set the depth
2. Install the stainless steel streamjet tip into the rear angled end of the 45 degree elbow and tighten. I would use thread sealant
3. Install the John Guest pushin fitting on the other end of the elbow. It should be pointing upward
4. Brush antiseize on the threads of the opener spindle and slip on opener and tighten nut to 80 ft/lbs. Install dust cover in hub. These dust covers do lose off from time to time, depending on the type of surface residue. They can be purchased at John Deere or Kinze dealers.

FIELD ADJUSTING the OPENER and STREAMJET TIP

Aligning the opener:

1. On just the row unit on the far left side of the planter, set the left opener in a “straight ahead” position. With the planter at operating depth, drive forward at planting speed. Stop and observe the width of the groove created by the opener. You are aiming for a groove about 3/8” wide. If the groove needs to be wider, tap the forward edge of the opener to the right and retighten both allen head bolts. Once again, drive forward at your normal planting speed and stop and recheck
2. Once you have set the opener to the correct angle, go across the planter and set all left openers to the same angle
3. Repeat the same procedure to set all right hand openers. Remember, on right hand openers the forward edge of the opener must be bumped to the left to attain the correct angle

AIMING the STREAMJET TIP

1. Set the openers to run about 1 ½” deep. This is accomplished by loosening the 2 allen bolts that hold the struts tight and raising or lowering the strut to grt the desired depth
2. Fill the fertilizer tank with water
3. Drive forward at planting speed and then stop with the planter in the ground. Using a ½” open end wrench, aim the tip so it shoots stream right down to the very bottom of the trench. Make sure that the stream is away from the opener. Tighten the jam nut using a 9/16 open end wrench. Repeat on the other side, then do the rest of the rows. It is important that all tips be aimed correctly, so there is little, if any, splatter
4. If you have any questions, Please call Jeff @ 309-824-6652