Dual Placement Fertilizer Bracket Installation Instructions

KINZE 3000 series

NOTICE - IMPORTANT ! Before attempting to install brackets, make sure planter is locked up in transport position. Block wheels on planter so it cannot roll. 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 !!

Disassembly:

1. Remove left “V” press wheel using (2) 15/16” wrenches (bolt 1)
2. Remove 2 “V” press wheel pivot bolts and allow “V” press wheel bracket to come free. (bolt 2)
3. Unhook forward end of press wheel bracket spring (6) and set the bracket aside.
4. Using a 9/16” socket , extension and ratchet, remove the 3/8” bolt (bolt 3) from the front side of the cast pivot mount and remove mount. Set this aside. This will not be reused
5. Remove 3/8” bolt (bolt 4)

Installing the bracket:

1. Slide the bracket up into position. A plastic deadblow hammer may be needed to “nudge” the bracket up so that the ½” x 1 ½” bolts can be slipped in place. Put the ½” lockwasher and nuts on at this time but leave loose. Swing the bracket up so that the 3/8” hole in the top support lines up with the hole vacated by bolt 4. Install the 3/8” x 1 ¼” bolt with lockwasher in the hole vacated by bolt 4 , at this time, but do not tighten.
2. Gripping the tail end of the bracket, pull rearward and then tighten the 2 ½” bolts. Tighten to 55 ft/lbs.
3. Tighten the 3/8” bolt in the top support to 35 ft/lbs.
4. Slip the end of the “V” press wheel bracket SPRING thru the 5/16” hole at the rear of the bracket.
5. Reinstall the ½” pivot bolts (bolt 2) from the inside out of the bracket. Make sure to place the ¼” thick ½” washers on each side next to the bracket. These are sometimes a little tough to slip in but they need to go in to remove the slack. Make sure the stepped bushing and the eccentric bushing are installed properly.
6. Reinstall the left “V” press wheel and align the “V” press wheel by turning the eccentric bushing and tighten the ½” nut when alignment is attained.

Installing the Left and Right Struts and Mini Openers

1. Using a plastic deadblow hammer, tap the left and right struts up thru the left and right mounting blocks and lightly snug 1 allen head bolt on each side with the “T” handle allen wrench provided. This keeps the struts from sliding out. The top of the strut stem should protrude ½” thru the top side of the mounting block. IMPORTANT !! READ THIS !! never slip any fingers down thru the ¾” hole on the strut mounting block ! There could be slivers of metal in the hole from machining the clamping slot. They will cut your finger !
2. Put a fair amount of antiseize on the threads of the spindle and slip the opener onto the spindle. Install the nut and tighten to 80 ft/lbs. Install the dust cover in the hub. Depending on the amount of debris on the surface of the field, these dust covers will loose off from time to time. They can be purchased at a John Deere or KInze dealer.

FIELD ADJUSTING the OPENER and STREAMER TIP

Aligning the opener:

1. On just the row unit on the left side of the planter, set the left opener in a “straight ahead” position. Drive forward at planting speed. Stop and observe the width of the groove created by the opener. You are aiming for a 3/8” wide groove. Toe in the opener ever so slightly and tighten both allen head bolts. Once again drive forward at your normal planting speed.
2. Once you have set the opener to the correct angle for the desired groove width, go across the planter and set all left openers the same angle.
3. Repeat the same procedure to set all right hand openers. Remember, the front edge of the opener will be “toed in” or tipped 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 head stainless steel bolts that hold the struts in place and raising or lowering the strut to attain the desired depth.
2. Fill the fertilizer tank with water
3. Drive forward at planting speed and then stop, leaveing the planter in the ground. Using a ½” open end wrench,aim the tip so it shoots the water down into the very bottom of the trench. Make sure that the stream does not go near the opener. Tighten the jam nut using a 9/16” open end wrench. Repeat on both sides and all rows. It is important that all tips are aimed correctly so as too greatly reduce splatter.
4. You are now ready to plant. If you use the planter to plant a crop that does not need liquid fertilizer applied, just remove the microtubing from the John Guest fitting on the strut and tie up the micro tubing. Loosen the allen head bolts and drop out the struts and openers. I dip them in a bucket of oil at this time and put the lefts on the left side of a pallet and the rights on the right side. They will be ready when you need them again.
5. If you have any questions, please call Jeff at cell 309-824-6652