



SCHLAGEL MFG * 4154 BUTTERMILK ROAD * TORRINGTON, WY 82240 * PHONE: 307-532-4451 * TOLL FREE: 888-889-1504 * FAX: 307-532-8994

PW-065NT & PW-066NT POSI-CLOSE WHEELS INSTALLATION INSTRUCTIONS

Thank you for choosing SCHLAGEL'S NO-TILL POSI-CLOSE WHEELS to enhance your planting process. The following is a general instruction sheet for installation of PW-065NT & 066NT posi-close wheels. The wheels are designed to close the seed trench and firm the soil around the seed while leaving a slightly raised, mulched mound directly over the seed.

No-Till Posi-Close Wheels come unassembled. This is because we do not know where you need to set your wheels for width. See "Where should I set my wheels?" paragraph for help with setting width of wheels.

PARTS LIST: One row of wheels consists of two (2) "triangle" hubs w/ pre-installed bearings (these will vary in design depending on your planter type), one (1) left-hand wheel ring, one (1) right-hand wheel ring, six (6) 3/8" x 1 1/4" flanged head bolts, and six (6) 3/8" flanged nuts. If parts are missing, damaged, or are not the correct style for your planter, call us toll free 1-888-889-1504 and we will get the problem straightened out quickly.

There are left-handed & right-handed Posi-Close Wheels. When viewed from the rear, the rods on the wheels are point towards each other and point downward (see drawing) allowing trash to shed easily. When mounting your wheels, always keep the fingers pointed toward the inside and angled downward. The diagram shows a "rear view" of the wheels.

PRE-INSTALLATION SUGGESTIONS (recommended for all planter makes:

Be sure to center the planter unit's tail section to get better performance from all styles of Posi-Close Closing Wheels. Also if existing tailpiece parts (pivot block, stops, spring, etc.) are worn out, replace those parts prior to installing posi-close planter wheels.

John Deere 7000, 7100 (MaxEmerge)
Kinze up to & incl. 1992 model year (with roll pin mounted wheels)

INSTALLATION DETAILS:

Suggestion: for the JD 7000-7100 planters it will probably be easiest to install the triangle-shaped center hubs onto the tailpiece first (for easier access to get the roll pin installed). Then the outer wheel ring can be easily bolted onto the hubs while setting them for path width.

1. Remove the roll pin holding the closing wheel on the tailpiece. Save roll pin for re-installation.
2. Remove existing closing wheel from tail section.
3. If you want to, apply anti-seize in the mount hole to allow easier removal for repair work later on.
4. Slide the Posi-Close wheel center hub into the tailpiece wheel mount tube.
5. Install roll pin.
6. Bolt the outer ring to the center hub using the included three 3/8" bolts and nuts, setting the rings for width as you go.

John Deere 7200, 7300, Early 1700 (MaxEmerge 2) (with stub shaft & LH/RH nuts)

INSTALLATION DETAILS:

Suggestion: for these planters, you might find it easier to fully install and set one row for width. Then, on a workbench, assemble the remaining wheels to match it and mount the assembled wheels on

the planter.

1. Remove dust cap. Save dust cap for re-installation.
2. Remove nut securing existing closing wheel to tail section. NOTE: the left side closing wheel bolt on John Deere 7200 & 7300 has left handed threads. Save these nuts for re-installation.
3. Remove existing closing wheel from tail section.
4. Slide the Posi-Close Wheel hub onto the tailpiece's stud. Note: the bearings of this wheel are offset in the hub. The bearing closest to the edge of tube has a metal seal. This metal seal-side goes toward the planter's tailpiece.
5. Install the nut to secure closing wheel to tail section. NOTE: the left side closing wheel bolt on John Deere 7200 & 7300 has left-handed threads.
6. Tap dust cap from standard wheels onto the Posi-Close Wheel hub.

Where should I set my wheels for width?

The most important factor is whether or not you are having problems closing the seed trench. If you are closing the seed trench easily, then leave the wheels where you have them). If you are not getting the seed trench closed, then mesh the wheels together to concentrate the wheel action on a smaller area.

NOTE: There is a certain point at which the wheels will "lock up" when the wheels are not meshed together enough. Basically the tips of the rods hit each other and stops the wheels. If you mesh the wheels together, be sure to spin the wheels many times to ensure they will not lock up. If they do lock up, you need to either move the wheel rings closer so they mesh together more or move the wheel rings apart so they do not mesh at all. PLEASE, WATCH YOUR FINGERS! You may have to add washers between the hub and ring to move the ring in enough to prevent the wheels from locking up.

STILL UNSURE? Most people set the wheels so there is anywhere from 1/4" - 3/8" between rods (wheels set apart—not meshed). This is a good place to start out and works well in most situations.

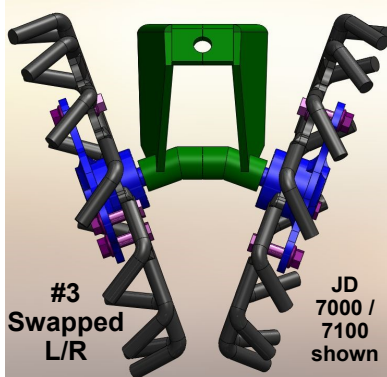
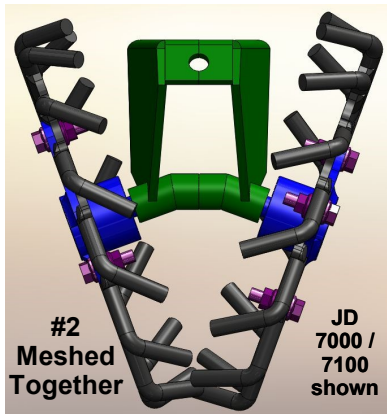
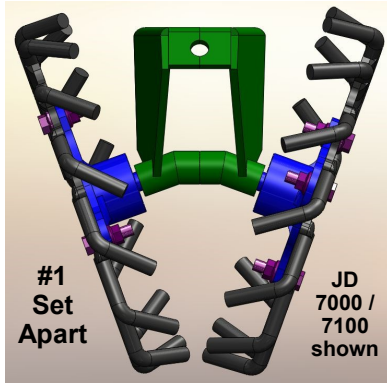
BOLTING OUTER RING TO CENTER HUB:

Your Posi-Close Wheels are adjustable for working width (width of path on the ground). We accomplish this by moving the outer wheel ring to either the inside or outside of the center hub. Three 3/8" bolts and nuts per wheel are included to secure the outer ring to the center hub.

SETTING #1: SET APART (see image below) Rods point towards each other and down when looking at the back of the planter. Most people set the wheels with 1/4" - 1/2" between the rods (wheels not meshed together) and this is a good place to start out under most conditions. This setting seems to work best in most soil conditions and tillage practices.

SETTING #2: MESHED TOGETHER (see image below) Rods point towards each other and down when looking at the back of the planter. If you are having trouble closing the seed trench, then try meshing the wheel rods together. Note that there is a certain point when the wheels will "lock up" when the wheels are slightly meshed together. If you mesh the wheels together, be sure to spin the wheels a few times to ensure they will not lock up. If they do lock up, you need to move the wheels a little closer together.

SETTING #3: (see image) **SWAPPING WHEELS LEFT TO RIGHT.** The rods point away from each other and down when looking at the back of the planter. Swapping the wheels is probably the most aggressive at closing the seed trench because the tips of the rods hit the ground first. This is a good setting for hard no-till soil conditions. We have noticed that this setting leaves more chunky, mulched soil than the settings 1 & 2. Be sure your rods point the correct way—downward. **For PW-065 & 066 wheels,** you must leave the center hub in place and only move the rings side-to-side (L to R and R to L). You will have to get longer bolts and spacers (not included) for this setting since you cannot mount the center hubs any different way. This is a setting that a lot of customers like.



DOWN PRESSURE: You will get by with usually less pressure on the wheels than you did with your original wheels. Much of this depends on your soil type. Heavy soils will likely require more pressure to close the seed trench and lighter soils will require less. Posi-Close Planter Wheels are much more forgiving than your original wheels when setting the down pressure. This helps you if you have fields with different soil types. You do not want to put so much pressure that the wheels sink in the soil. The wheels should, for the most part, ride on top of the soil and will sink in a little. The wheels should not sink out of sight or seed placement will be affected.

AS YOU GET STARTED PLANTING: Increase spring pressure to get a firmer seed bed. Decrease spring pressure for looser seed bed. If you are not closing the seed trench, try increasing the down pressure and/or move the wheels closer together. Be sure the wheels don't lock up. Soil build-up on the wheels can be lessened by increasing tractor speed.

Don't be afraid to call us (toll free 1-888-889-1504) if you have any questions.....we want our product to work well for you.

REPAIR PARTS
Posi-Close wheels come with the same bearing that are found in your original closing wheels on the planter. You may go to your local dealership to get bearings or you can also order them from us. Other parts (the center "triangle" hub or the left-hand or right-hand wheel ring) may be ordered from us or through your local Posi-Close dealer.

Warranty Information
Posi-Close Wheels come with a one-year limited warranty against parts and workmanship.

Finally, we want to thank you for being in the agricultural business. It is the backbone of our fine country. We strive to build equipment that is dependable, sturdy, well-designed, and long-lasting to help farmers farm.

MADE BY FARMERS, FOR FARMERS.

REPAIR PARTS (Schlagel Mfg part #'s)

- PW-065NT: Pair of Wheels with Spindle Bearing with 1/4" hole (PW-065NTL Left Wheel Assembly, PW-065NTR Right Wheel Assembly)
- PW-066NT: Pair of Wheels with Deere "Double Bearing Set" (PW-065NTL Left Wheel Assembly, PW-065NTR Right Wheel Assembly)
- Sub-Components:**
- Left-Hand Ring w/ Rods: part # PW-059NTR
- Right-Hand Ring w/ Rods: part # PW-059NTR (PW-059NT is a L/R set of Rings)
- Bolts: 3/8" NC x 1 1/4" Serrated Flange, part # HW-1391
- Nuts: 3/8" NC Serrated Flange, part # HW-1392
- Triangle Hub w/ "Spindle Bearing": part # PW-030
- Triangle Hub w/ "Double Bearing" assy: part # PW-036
- Bearing, Spindle with 1/4" hole: part # HW-1361
- Double Bearing Set: Bearing with RUBBER seals: HW-1375
- Bearing with one rubber and one METAL seal: HW-1376
- Snap Rings, 1.188" bore size (for spindle bearing hubs) HW-1363
- Snap Rings, 1.563" bore size (for double bearing hubs) HW-1364

