



JOHN DEERE PLANTER REQUIREMENTS

RRV Canola Disk

- 1.** Install the CCS tank nozzle inserts. This clip onto the manifolds inside the cleanout doors on the bottom of the CCS tanks. They are John Deere part number A73214
- 2.** If you have stock John Deere mini-hoppers on Pro-Series or Pro-Series XP units install the RRV mini-hopper screen, part number RRV010114. These are not required if you have MaxEmerge 5 row units or E-Set mini-hoppers. As of January 2019. We are currently working on screens for ME5 mini-hoppers.
- 3.** Install the seed tube inserts for directing the seed past the seed sensor eyes. These are John Deere part AA46912 for curved seed tubes and part AA36911 for straight seed tubes.
- 4.** Install the knockout wheel inside your vacuum meter door. On MaxEmerge 2, MaxEmerge Plus and MaxEmerge XP these are held in place by a small Philips head or Torx screw. On MaxEmerge 5/5E and any replacement doors after 2015 they are clipped in with no tools required.
- 5.** Prepare your RRV Canola Disk for installation. You **MUST** spray graphite lubricant on both sides of the RRV disk. This prevents static from building up on the disk which causes seed to stick to the flat part of the plate causing over-seeding.
- 6.** Install your RRV Canola Disk wear strip. This is placed on the outer edge of the meter housing before the disk is installed. The tension of the disk holds it in place.
- 7.** Install your RRV Canola Disk. Check for tension against wear strip by tapping on the disk. If there is any gap remove the disk, pop out the pin and tighten the hub, replace pin and re-install the disk. Disk is installed correctly when slight friction is felt between the disk and the wear strip. Without friction seed will leak from the bottom of the meter. This is a very important step. Once you fill your meters with seed you must check for leaks. You can lose a lot of seed very quickly if the seed is getting by the disk.
- 8.** Choose your seeding rate. If you have a mechanical transmission on your planter we've included a rate chart. If you have hydraulic or electric drive you must enter a custom disk into your display. The RRV canola disk has 90 holes.
- 9.** One note is your monitor will **NOT** accurately display population once you start planting. The seed tube insert directs small seed past the sensor eye so you will not get "row not planting" warnings but the volume of seed going past the eye and the small size of seed combined results in low population readout on your screen. Every planter is different but if you have a desired population of 250,000 seeds per acre, the display will often read anywhere from 80,000 to 150,000. That being said, if you have a row that consistently reads 100,000 and it starts reading 60,000 this could be an indication of a problem and the row should be checked.
- 10.** Set your CCS pressure to 3 to 6 PSI on the gauge. This is lower than our previous recommendation. You may need higher pressure on wider planters. It does take some time to charge all the meters.
- 11.** Use 20/80 graphite/talc seed lubricant. This helps reduce static along with the aerosol spray you should have applied to the disk before installation.
- 12.** Vacuum should be set from 2 to 8 inches depending on seed size. The smaller the seed, the lower the vacuum.
- 13.** Be aware that strong tailwinds can affect spacing.
- 14.** Bigger seed generally works better than smaller. The bigger it is the better the sensors can detect it, the less likely it is to leak and the easier it is to set get perfect singulation.