



JOHN DEERE

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NEW 2009 MaxEmerge™ Enhancement Kit

Make Planting Easy!

- Plant Multiple BT / Refuge Varieties with different shapes and seed weight all with one disk!
- Easy, Simple, No Moving Singulator Parts, Uses only Talc – not Graphite
- Slower Meter Speed with ProMax 40 Flat Cell Disk vs. 30 Cell John Deere or 30 hole E-Set
- Plants any size seed – even large seeds bigger than 62 lbs.
- Set to one vacuum level and forget it.
- Use the Genuine John Deere solution for the best possible seed population, spacing and meter reliability!



Kit Includes

Meter Hub

Knock out wheel

Chute Cover

ProMax 40

Seed tube guard

Flush Face Seed Tube

Internal Double Eliminator



Sensor location existing seed tube



Sensor location Flush Face Seed Tube



New Retainer Tabs



Old Retainer Tabs

Includes:
Dome, Screw,
& Seal

\$155.87

Optional Quick
change over kit
Additional **\$38.77**

Seed Meter Hub

One kit needed per row. The kit includes: new seed meter hub, handle, and compression spring. The new meter features a heavier hub spring and disk latching handle to ensure the proper clearance between the seed disk and meter housing at even the highest vacuum levels. The new hub features machine surfaces for more accurate centering of the seed disk. Seed spacing is improved as these changes ensure each seed is released from the seed disk at the same spot.

Double Eliminator

Required when planting with any type of flat seed-metering disks. The internal adjusting double eliminator is for use with MaxEmerge XP™ row units only.

Flush Face Seed Tube

John Deere Seeding Group is proud to introduce the new Flush Face Seed Tube. This revolutionary translucent seed tube is constructed of a smoked-tint, UV-protected polycarbonate material. The translucency of the seed tube allows the seed tube sensor to be mounted completely external from the seed tube. This eliminates the need for a seed sensor hole that is required on current seed tubes in the industry today. Seed tubes on the market today mount the seed sensor into the hole of the seed tube. A small "ramp" above the seed sensor directs seed over the sensor to eliminate contact between the seed and seed sensor. This momentarily causes the seed to lose contact with the front face of the seed tube. The new Flush Face Seed Tube from John Deere provides an uninterrupted smooth surface from the time the seed enters the seed tube to the exit point, resulting in more consistent spacing. The manufacturing process of the Flush Face Seed Tube creates an uninterrupted, more uniform seed tube surface compared to the existing tube. This new material, which allows the seed sensor to be mounted external from the seed tube, creates an ideal situation for each seed.

Seed Tube Gard

Due to excessive side to side contact between old seed tube guard and seed tube, it is recommended from the Factory to install AA68468, which is a new more robust seed tube guard that is installed with larger diameter roll pins and will eliminate this unwanted contact. ** Even if new tubes are not being installed it is a good practice to inspect this guard and replace with AA68468 if excessive wear is evident.

Seed Knockout Wheel

A seed knockout wheel is used to insure that certain seed types are fully released from the seed opening of the vacuum seed disk. Wheel projections engage seed holes, forcing all seeds and foreign material to be ejected. The knockout wheel assembly is mounted inside the vacuum seed meter dome and runs against the backside of the seed disk.

A seed knockout wheel is required when planting sorghum, mono-germ sugar beets, sweet corn and edible beans with the flat-type seed disk. Sugar beet and sweet corn seeds can have sharp edges and are typically irregular in shape; thus, creating a potential for seeds to become lodged in the disk holes. Some sorghum seed contains large amounts of foreign material which can also become trapped in the disk holes. Edible beans can have small splits that can also become lodged and need to be ejected by the knockout wheels tines.

There are three different types of knockout wheel assemblies available: sweet corn, sugar beet/sorghum, and edible bean. Each knockout wheel is designed to match the appropriate flat-type seed disk and they are not interchangeable. Knockout wheels are shipped with the required seed disks when ordered with the planter or they can be purchased through the parts system.

Flush Face Seed Tube - Retainer Tabs

The retainer tabs located on the front of the seed tube, which lock the seed tube into position, have also been improved. The new design allows the retainer tabs to snap into position, resulting in a faster, more consistent installation.

Double Eliminator

For difficult to singulate seeds, a flat seed disk and double eliminator is a viable alternative to traditional cell-type seed disks. By design, a flat seed disk requires higher levels of vacuum than a cell-type disk because there is no "pocket" or cell to hold the seed. The higher vacuum level will pull more than one seed to the holes in the seed disk. The double eliminator is set to cover a portion of the hole in the seed disk and is the mechanism to knock multiple seeds away as the disk rotates.

ProMax 40 Plates

MaxEmerge™ vacuum seed meters may utilize flat or cell type seed disks. The proper flat seed disk for planting corn with all John Deere vacuum meters is the ProMAX 40 Flat Disk. This 40-hole disk, previously referred to as the large sweet corn disk, has been renamed to better reflect its use in today's corn production environment. Flat seed disks require a higher vacuum level because there is no cell to hold the seed on the disk. The higher vacuum level will pick up more than one seed at the seed disk hole. The double eliminator will knock off the extra seeds as the disk rotates within the meter. The result is improved seed singulation and accurate seed population and seed spacing.