

John Deere vSet2/mSet Mini Hopper Installation

Pre-Installation Notes:

1. Verify all parts listed are present before beginning installation.
2. Remove existing hopper and rear support.
3. Remove mechanical drive system. (If adding vDrive)
4. Complete Vacuum System Upgrade (row unit hose and add vacuum).

For mSet Install continue to Step 1 of the mSet Installation on page 4.

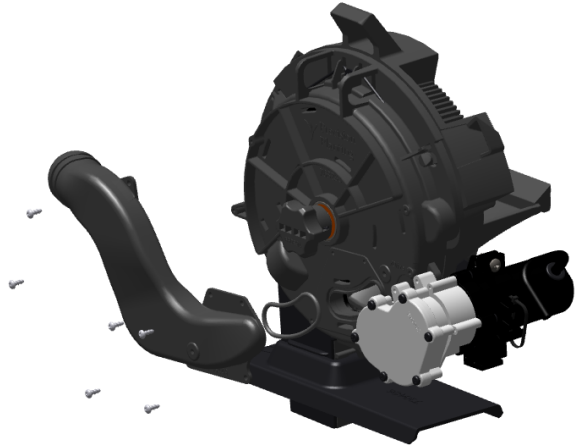
Step 1:

Install the seed delivery inlet in the opening in the top of the hopper. Use the 4 bolts, 8 washers and 4 nuts to install the inlet. You will use a washer on the top side of the lid and one on the under side of the lid.

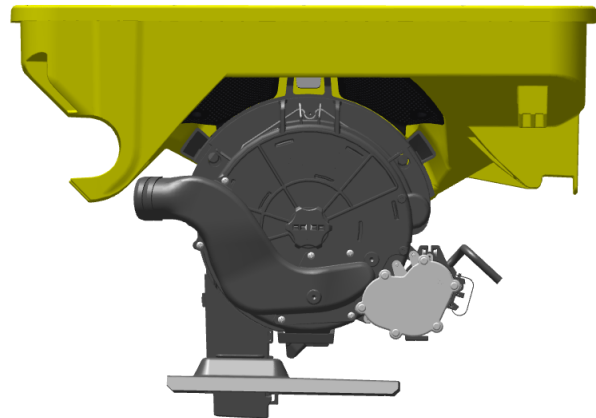


Step 2:

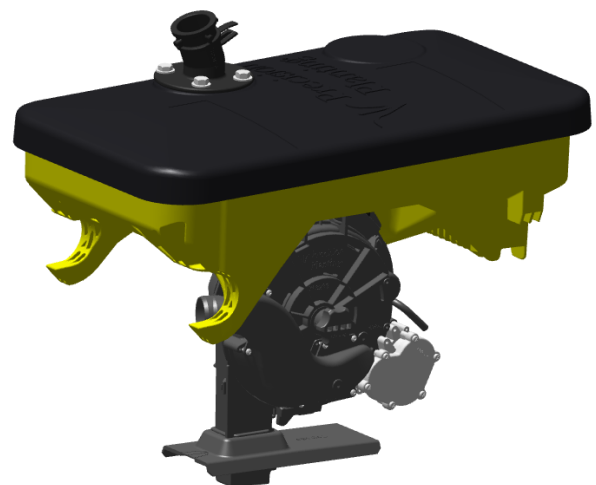
Install the rubber inlet gasket Vacuum Inlet Elbow on to the meter. Use the 6 included screws to secure the inlet on the meter. Now the meter can be locked onto the hopper.

**Step 3:**

Once the inlet is secured to the meter, attach the meter on to the hopper.

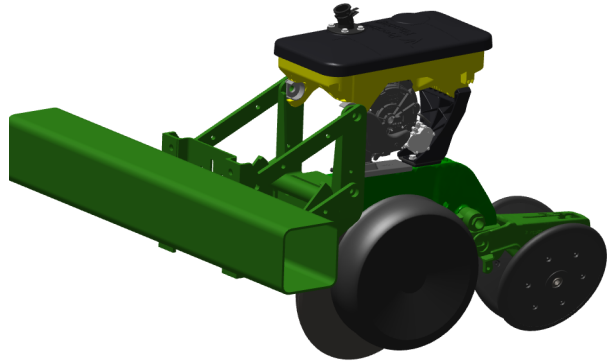
**Step 4:**

Attach the lid onto the hopper.

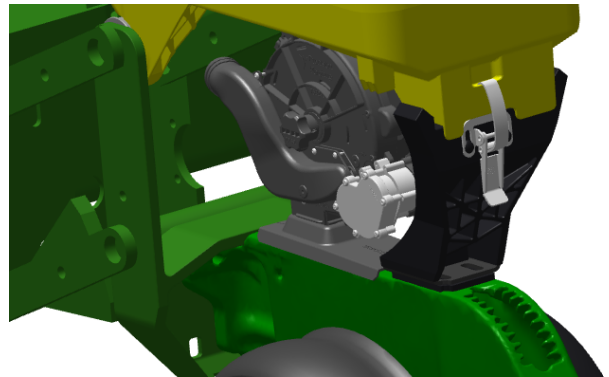


Step 5:

Hook the front of the hopper on the hopper pucks. Lower the rear of the hopper down so the rear post of the hopper rests on the rear post. Adjust the latch so the hopper is secure in the row unit.

**Step 6:**

Be sure to lower the boot all the way down so it rests on the shank. This will help with sensor performance.

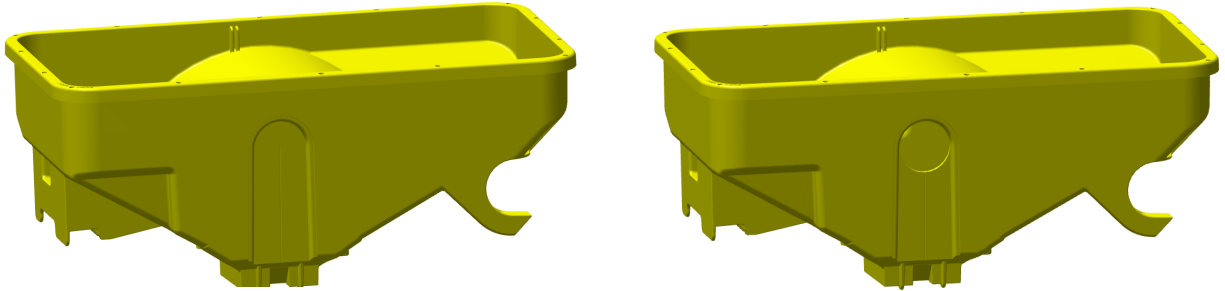


mSet Installation

Note: It is recommended to tighten screws by hand. Power tools can over tighten the fasteners.

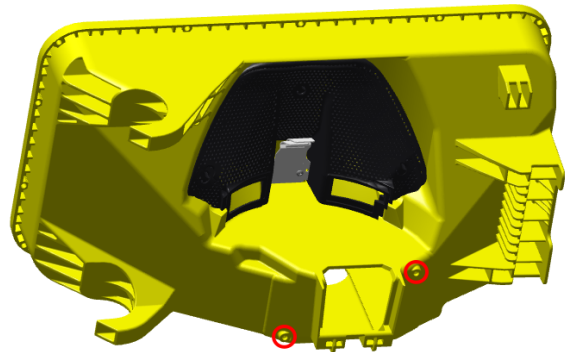
Step 1:

A portion of the Mini-Hopper will need to be removed in order to accept the Seed Selector. A drill point has been created on the side of the hopper. The Drill point is indicated by the top of the line. Use a 2-1/2" hole saw to remove material for the seed selector. The hole saw cut should be just inside the upper most half-circle recess in the hopper wall. Drill through the hopper and clean around the cut surface.



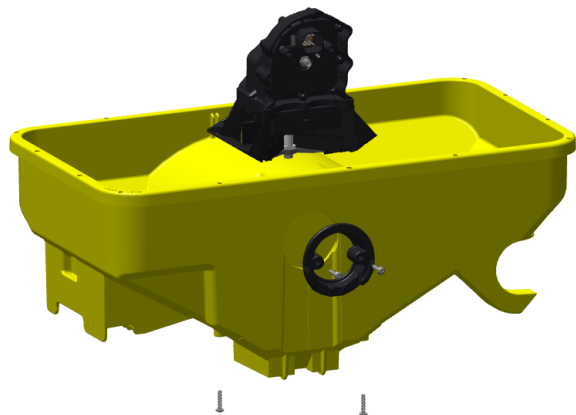
Step 2:

Using a 13/64" drill bit, drill the predetermined holes in the bottom of the box.



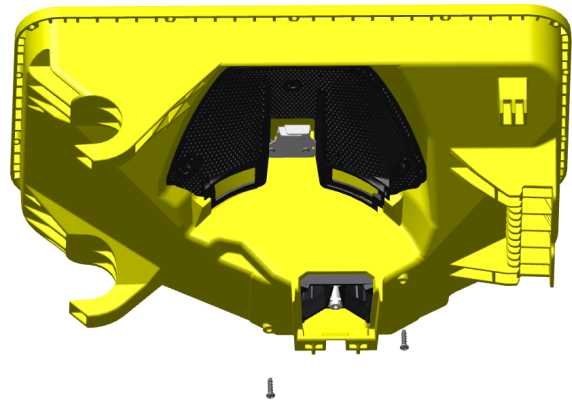
Step 3:

Slide the Seed Selector (736076) down into the base of the Mini-Hopper. It may be necessary to lightly pull on the box to give the seed selector more room to slide into the correct location.

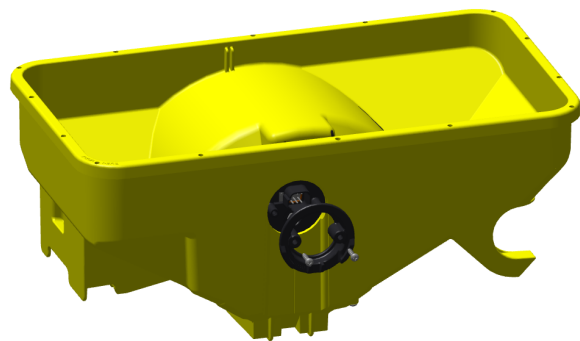


Step 4:

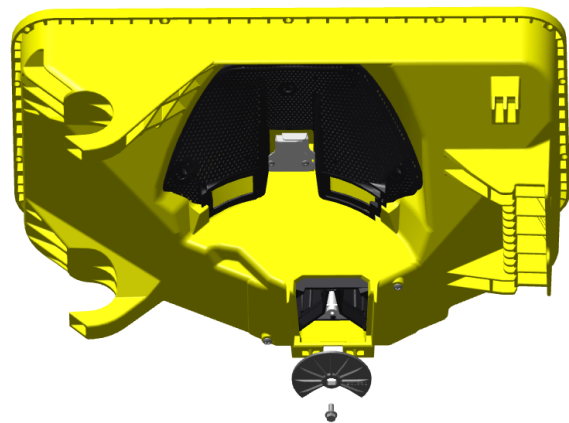
Next, secure the Seed Selector to the bottom of the Mini-Hopper. Secure using two of the 10–16 x $\frac{3}{4}$ " phillip head screws that are provided in the mSet kit. Seat the screw and tighten an additional $\frac{1}{4}$ turn.

**Step 5:**

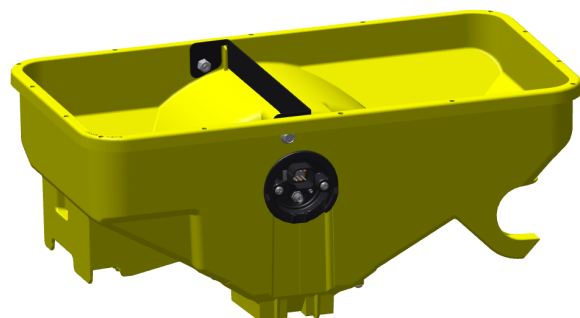
Using the remaining two 10–16 x $\frac{3}{4}$ " phillips head screws, mount the hopper coupling (736027) to the outside of the Mini-Hopper. This will secure the Seed Selector in the box. Seat the screw and tighten an additional $\frac{1}{4}$ turn.

**Step 6:**

With the Seed Selector secured, install the Gate (736025) on to the seed selector shaft as shown. Use the 10–24 flange head bolt to fasten the gate to the shaft. Be sure that the smooth side of the gate is against the brush when installing.

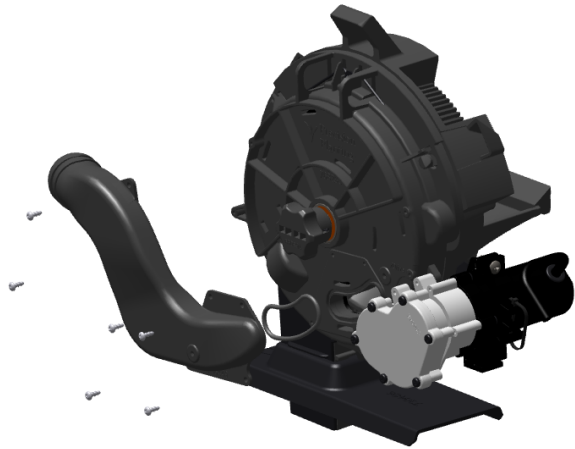
**Step 7:**

Once the seed selector is secured, install the hopper divider. Align the divider with the slots on the inside of the hopper. It should go down and rest on the seed selector.

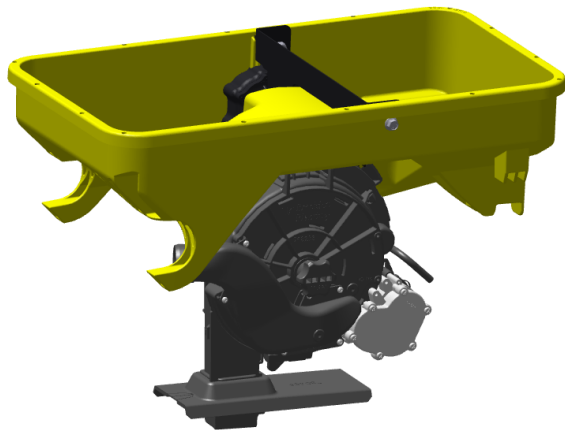


Step 8:

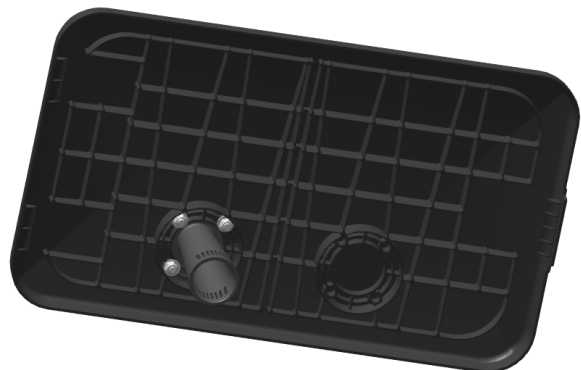
Install the rubber inlet gasket Vacuum Inlet Elbow on to the meter. Use the 6 included screws to secure the inlet on the meter. Now the meter can be locked onto the hopper.

**Step 9:**

Once the inlet is secured to the meter, attach the meter on to the hopper.

**Step 10:**

Once the inlet is secured to the meter, attach the meter on to the hopper.

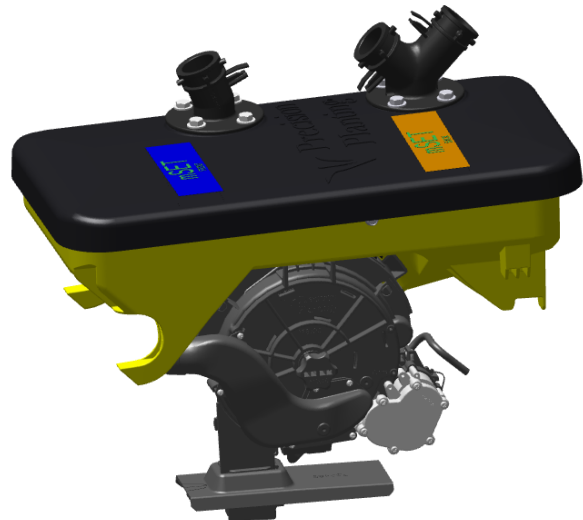


Step 11:

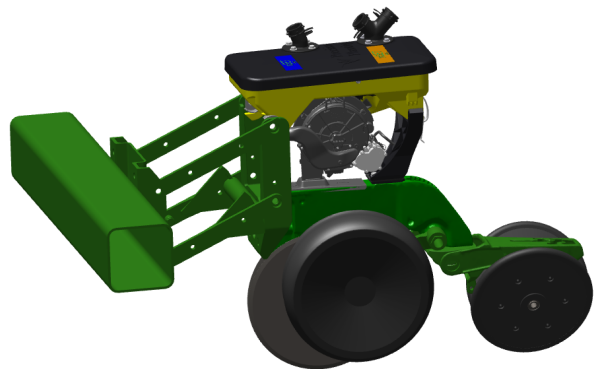
When installing the seed inlets on the lid, install the y tube on the side of the lid where seed will jump to the next row. (see the John Deere Seed Delivery Instructions on the cloud.)

**Step 12:**

Attach the lid onto the hopper.

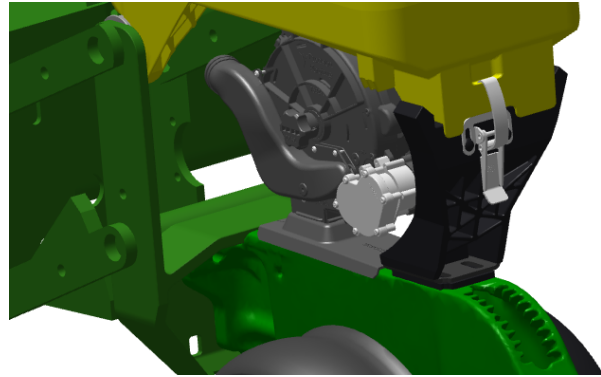
**Step 13:**

Hook the front of the hopper on the hopper pucks. Lower the rear of the hopper down so the rear post of the hopper rests on the row unit. Adjust the latch so the hopper is secure in the row unit.



Step 14:

Be sure to lower the boot all the way down so it rests on the shank. This will help with sensor performance.

**Step 15:**

Install the CAN expansion module (729500) onto the row unit. Connect the SRM row harness, 6 pin connector labelled “vDrive”, to the CAN expansion module.

Step 16:

Connect the vDrive and mSet seed selector each to the CAN expansion module using the appropriate length row CAN jumper.

Note: If you need to install a rear hopper support post, please refer to our instructions at www.precisionplanting.com. Select “Support” and “mSet” to access this manual.

Note: For monitor setup and operation, please refer to the operation manual found on our website www.precisionplanting.com. Select “Support” and “mSet” to access this manual.