

John Deere vSet2/mSet 1.6bu Hopper Installation

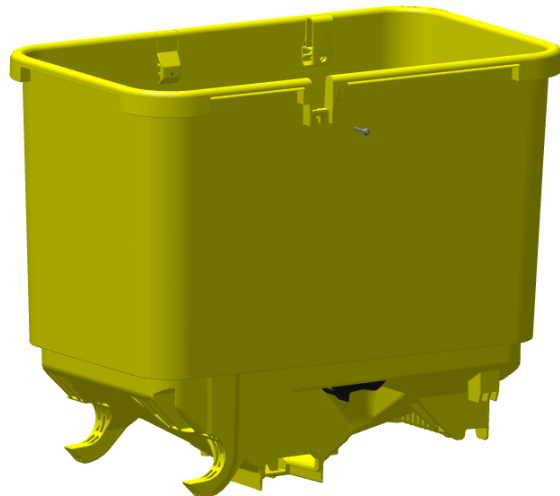
Pre-Installation Notes:

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

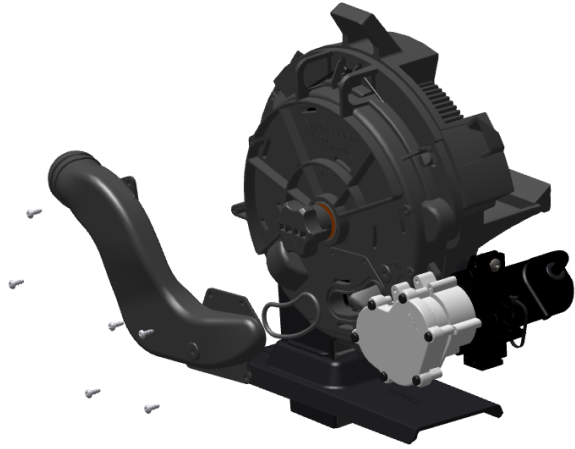
Step 1:

Install a single lid adapter wedge on each side of the hopper. Slide the wedge down from the top until the screw holes align. Use the two screws provided to tighten the wedge in place.

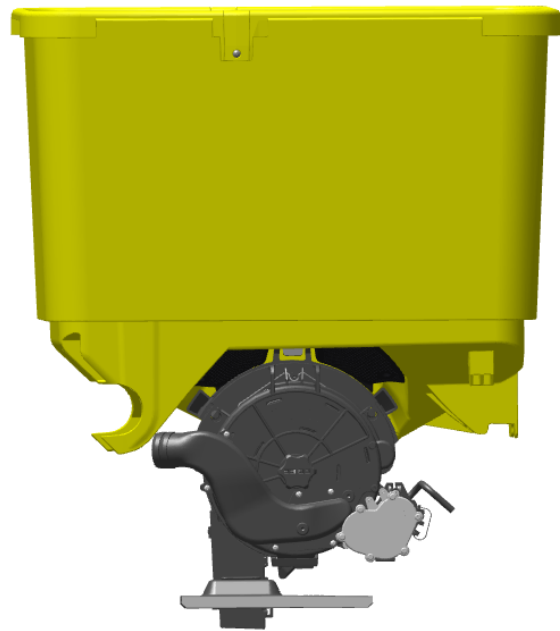


Step 2:

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.

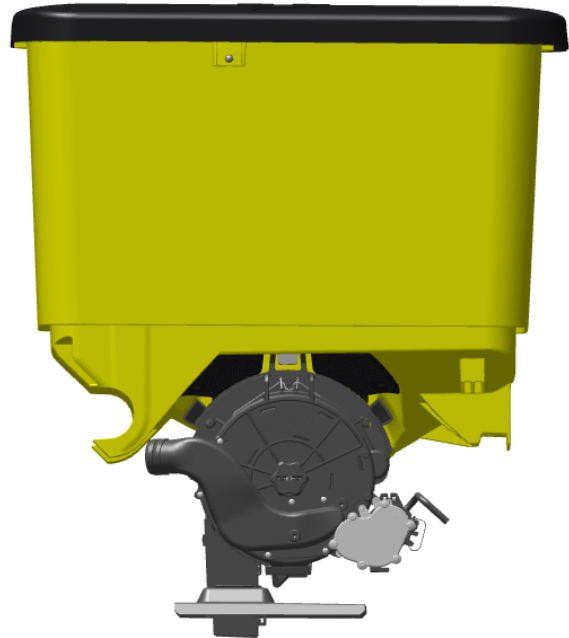
**Step 3:**

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



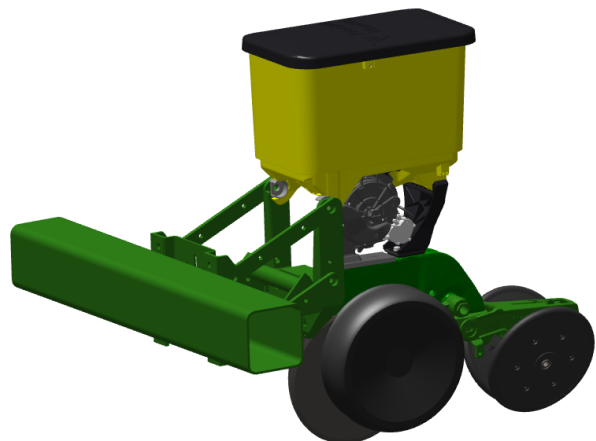
Step 4:

Attach the lid onto the hopper.



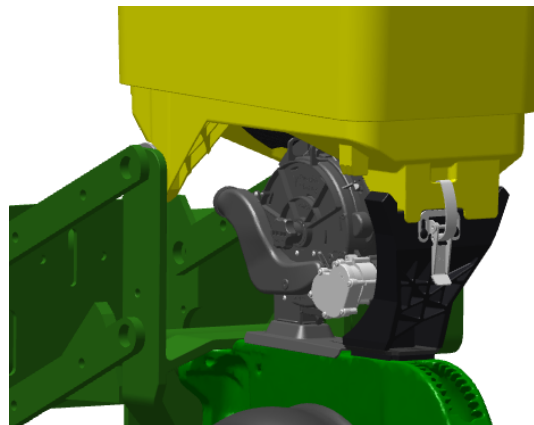
Step 5:

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 row unit. 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.

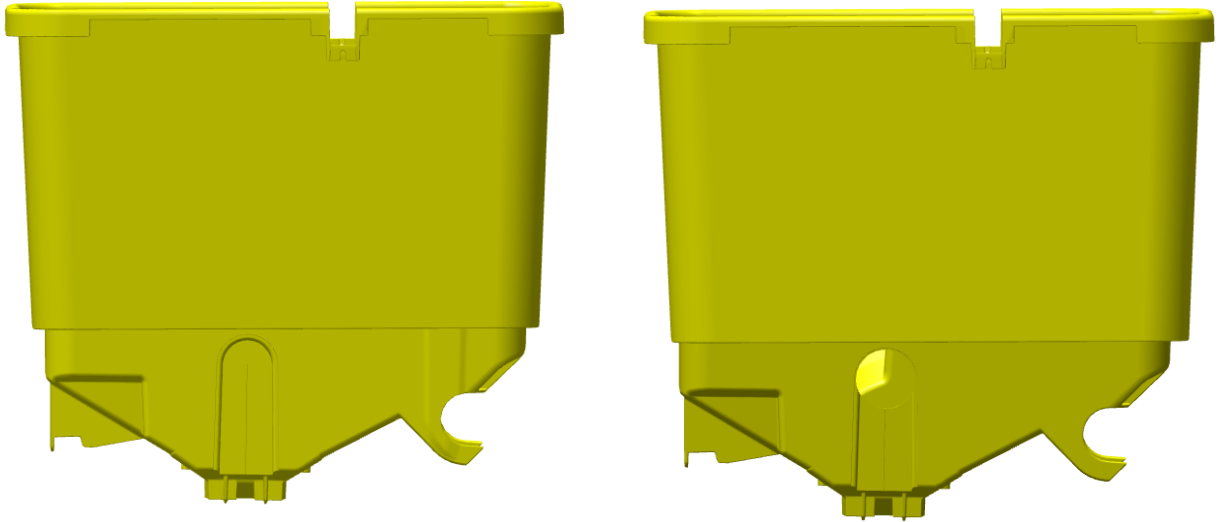


mSet Installation

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

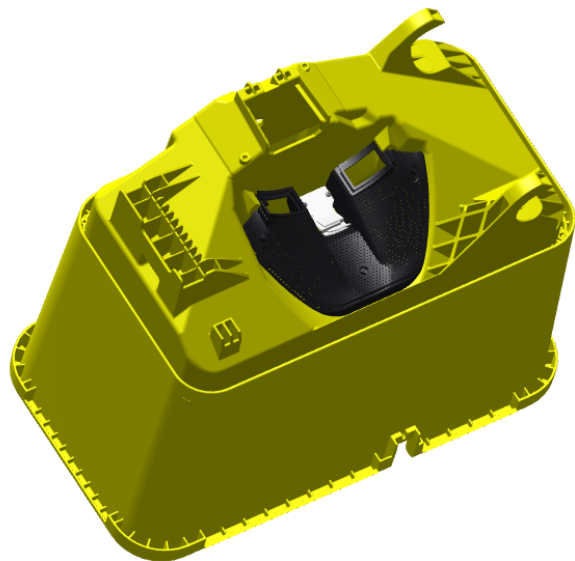
Step 1:

A portion of the 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 2-½" 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.

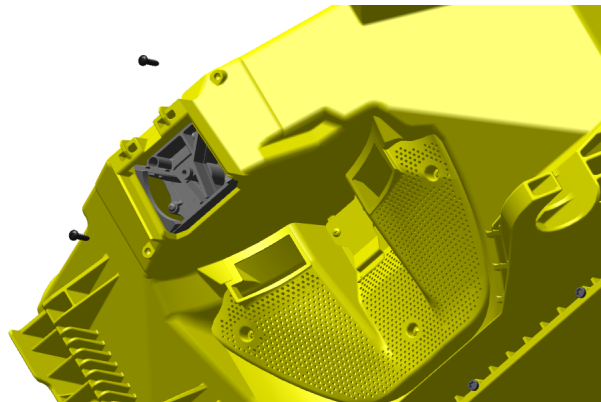


Step 3:

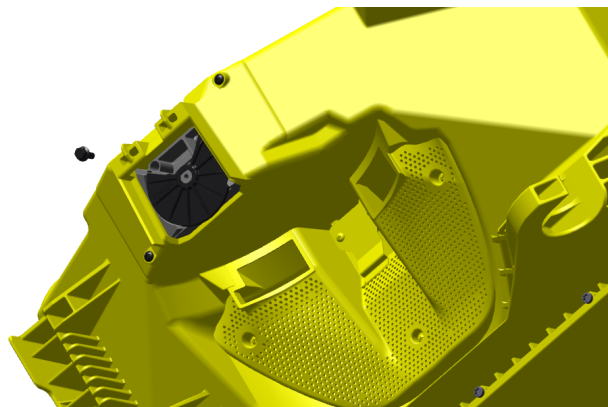
Slide the Seed Selector (736076) down into the base of the hopper. It may be necessary to lightly pull on the box to give the seed selector more room to slide into the correct location.

**Step 4:**

Next, secure the Seed Selector to the bottom of the 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.

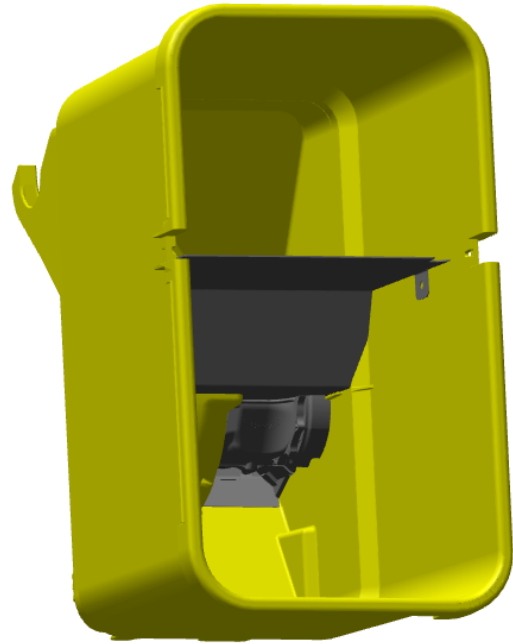
**Step 5:**

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.

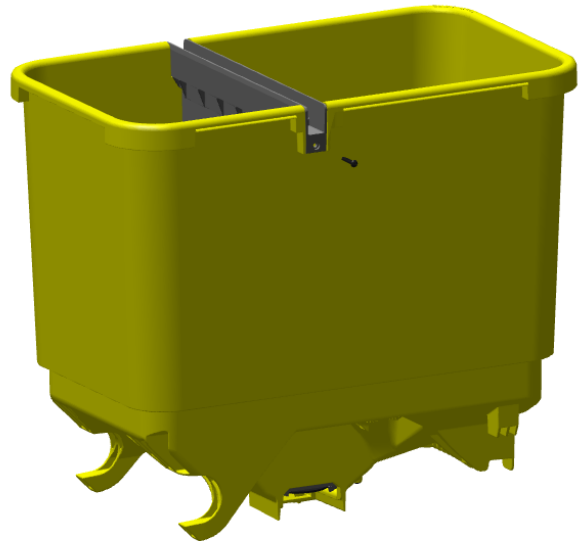


Step 6:

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.

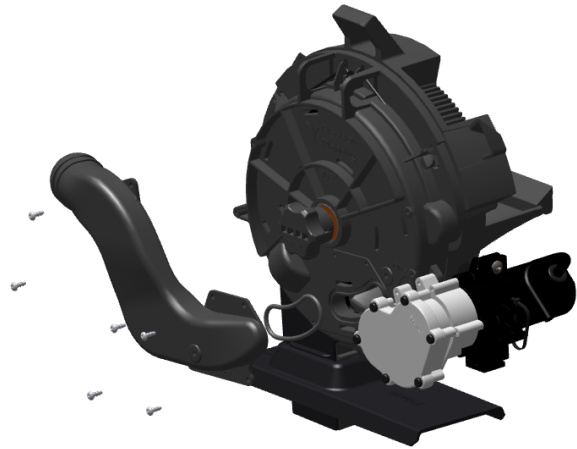
**Step 7:**

Using the 8-16 x 1" screws provided in the hopper bracket kit, tighten until the screw is fully seated and then continue ¼ turn. Now both lids can be installed on the hopper.



Step 8:

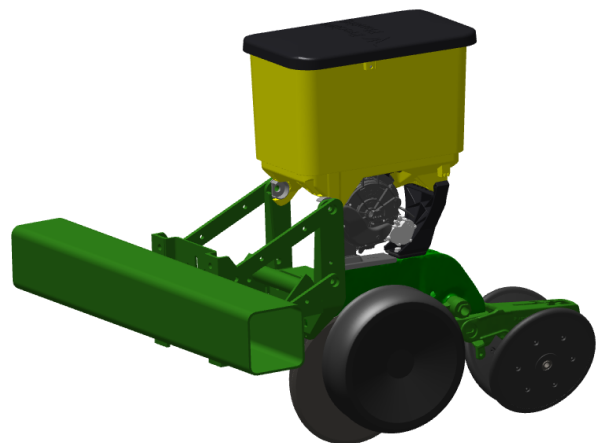
Install the rubber inlet gasket Vacuum Inlet Elbow on to the meter. Use the 6 included screws to secure the inlet on the meter.

**Step 9:**

Mount the mSet cover on the hopper and connect the mSet level sensor harness from the level sensor in the cover to the seed selector. Snap the meter housing with vDrive onto the cover.

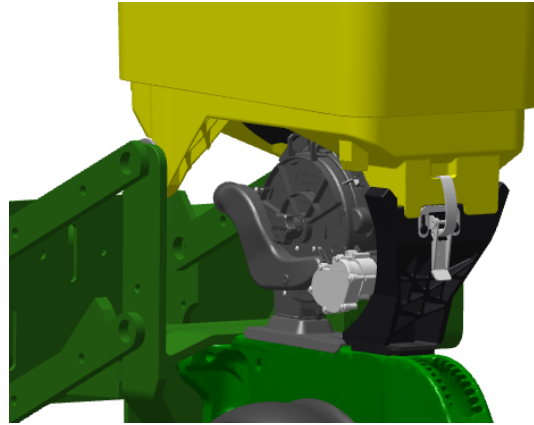
**Step 10:**

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 11:

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

**Step 12:**

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 13:

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 fitting for a central fill system and/or 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.