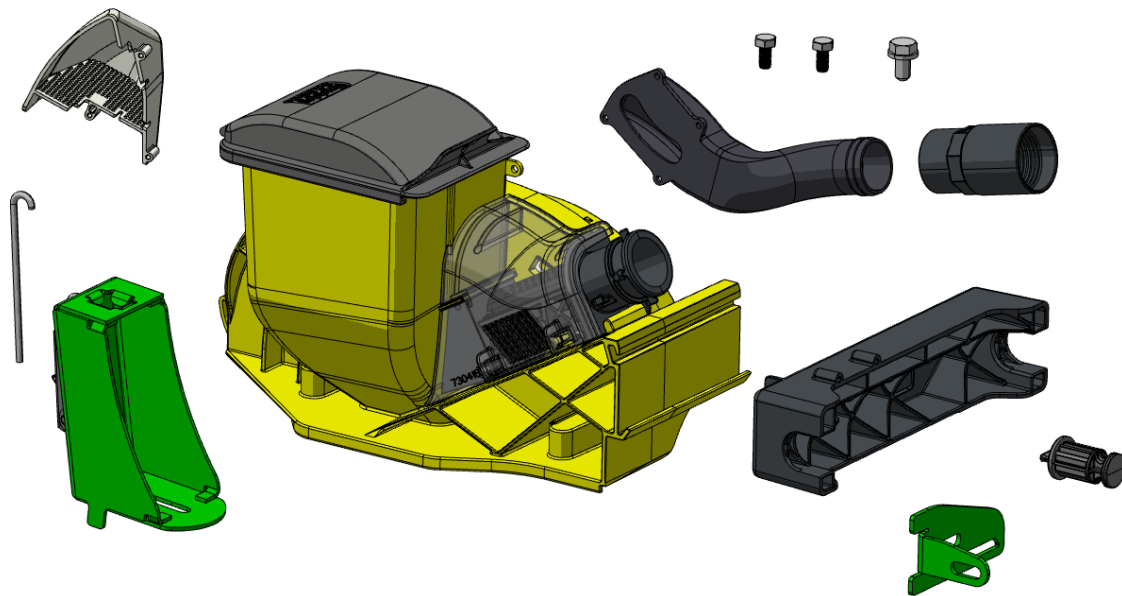


vSet®

JD Mini Hopper with SmartBox Installation Guide

This guide is intended for use when installing Pro-Series mini hoppers on John Deere row units that are or will be equipped with the AMVAC SmartBox system and vSet *Classic* meters.



JD Pro-Series Mini Hopper w/ Smartbox Assembly Kit: 730456

Part Number	Part Name	Quantity
38614	M8x16mm Bolt	2
38654	M10x20mm Bolt	1
40358	M10 Zinc Washer	1
730176	vSet Classic Straight Fitting for Existing Vac - 1.25" hose	1
730385	vSet Standard Vent Kit	1
730396	Bracket Spanner	1
730397	JD Mini Hopper Assembly	1
730434	Vac Inlet — SmartBox	1
730438	Proshaft Cap	1
730450	SmartBox Hook Latch	1
730453	SmartBox Offset Bracket	1
730459	JD Smart Box Rear Post w/ Latch Assembly	1

Installation

Step 1:

Remove the existing 90 degree fitting on the JD vacuum tube using a hacksaw or other cutting tool. Replace with the included 730176 straight vacuum hose fitting, which will allow the vacuum inlet to interface with the vSet meter. A soap and water solution may be used for lubrication when attaching the new fitting to the existing tube.



Step 2:

Slide the 730396 Span Bracket into the grooves on the front of the mini hopper. Use a rubber mallet to gently strike the end of the span bracket until it slides deep enough into the hopper to engage the locking tab.



Step 3:

Attach the vent from the 730385 Vent Kit to the meter using the included screws.



Step 4:

Remove the locking peg from the cable drive and then remove the cable from the drive mechanism. Insert the 730438 Proshaft Cap into the drive mechanism and replace the locking peg.



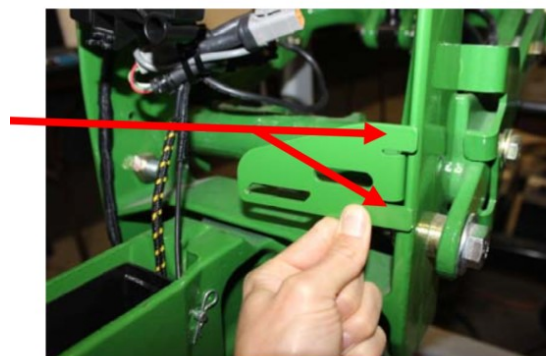
Step 5:

Remove the OEM mounting plate and attach the 730459 Rear Post Assembly directly to the row unit shank using the included M10 bolt and washer. Do not fully tighten at this time. Remove the latch hook from the post assembly and replace with the longer 730450 SmartBox Hook Latch.



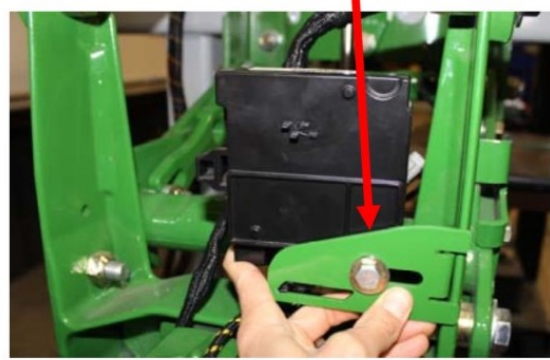
Step 6:

Mount the 730453 SmartBox Bracket on the goal post using the existing bolt from the AMVAC SmartBox bracket. Ensure that both ears are in contact with the goal post.



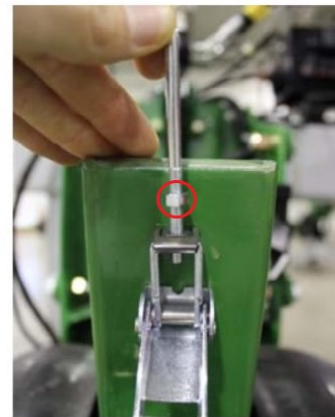
Step 7:

Mount the SRM from a 729020 SRM Row Kit (not included in 730456) to the offset bracket using the bolts also included in that kit.



Step 8:

Mount the 730397 Mini Hopper Assembly to the row unit by inserting the forks of the span bracket over the mounting pegs and inserting the peg on the rear of the hopper into the rear post assembly. Adjust the position of the rear post until properly aligned, then tighten the M10 bolt from Step 5. Adjust latch height as needed using the adjustment nut.



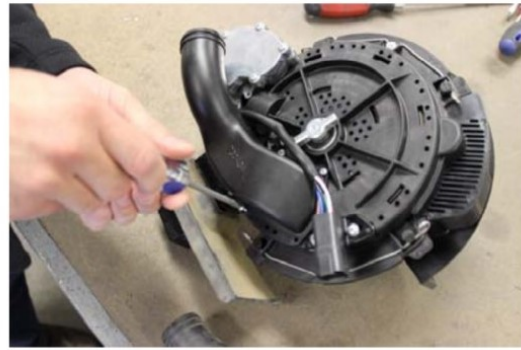
Step 9:

If installing on a 1790 Planter with 15 inch rows, install a 720206 Elbow Kit (not included in 730456) on all rows in the center section. Attach the elbow and seal to the front of the fill tube.



Step 10:

Remove the existing vac inlet by loosening the four screws holding it in place. Replace it with the included 730434 SmartBox Vac Inlet.

**Step 11:**

If installing on a 1790 planter with 15 or 20 inch rows, install a 730384 Flap Kit (not included in 730456) on each row. Begin by removing the two screws from the fill tube and removing it. Place the flap in the grooves at the bottom of the fill tube and reinstall it. This flap will prevent backfilling of hose with seed when row units are in transport position.

**Installation Complete**