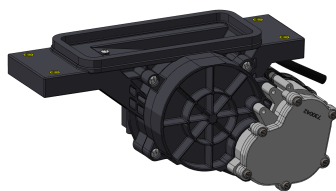
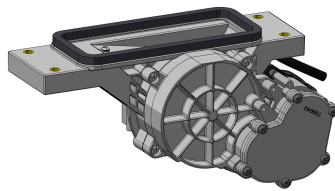
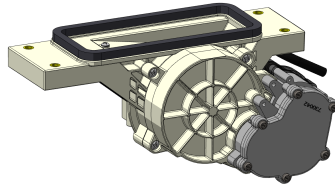


vDrive® Insecticide

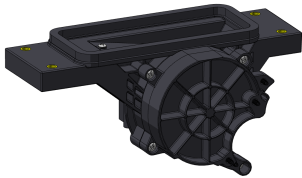
vDrive Insecticide Installation Manual

This guide will detail the process of installing the physical components of the vDrive insecticide system onto the row unit.

Installation parts

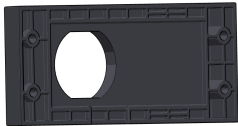
vDrive Insecticide Meter with vDrive Motor		
732001	Standard Meter with vDrive Includes hardware (4 flange bolts)	
732066	Low Flow Meter with vDrive Includes hardware (4 flange bolts)	
732118	High Flow Meter with vDrive Includes hardware (4 flange bolts)	
732102	Funnel Includes hardware (2 machine screws, 2 washers, 2 nuts, 1 hose clamp)	
729500*	CAN Expansion Hub Kit (required to plug into the SRM when any additional Precision Planting control components are mounted on the row unit)	

* Prior to the release of the CAN expansion hub, a splitter harness (also known as a SpeedTube harness) was used to connect multiple components to the SRM. This harness is no longer orderable and is considered obsolete.

vDrive Insecticide Meter — no vDrive installed		
732054 * †	Standard Insecticide Meter for boxes — no vDrive motor Includes hardware (4 flange bolts)	

* Both High Flow (732119) and Low Flow (732065) Meters may also be ordered without a vDrive motor installed.

† **vDrive 2.0 motors are incompatible with vDrive Insecticide.** It will be necessary to source vDrive 1.0 motors if ordering vDrive Insecticide with no motor installed.

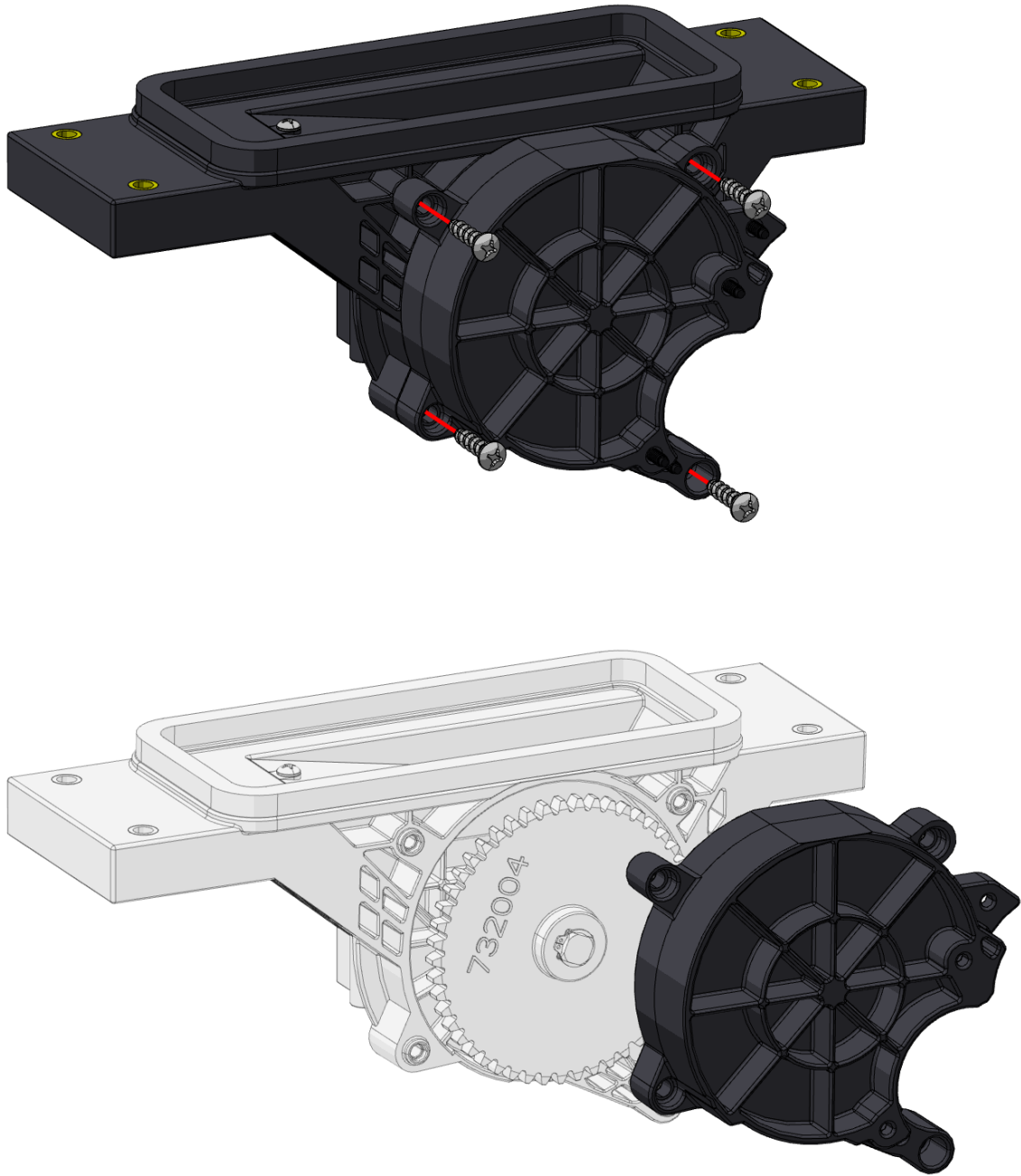
SmartBox (AMVAC) — 732028 SmartBox Kit		
732025	SmartBox Funnel (also used with High Flow vDrive Insecticide meter)	
732026	Meter to SmartBox plate	
732027	Plate to SmartBox gasket	
732029	Hardware kit	4 screws, 4x14mm bolts, 2x30mm bolts, 2x35mm bolts, 1 hose clamp

Installing a vDrive motor on a 732054 Insecticide Meter

A vDrive Insecticide Meter may be ordered without a vDrive Motor installed if desired. The following steps detail the process to attach a vDrive motor to a vDrive Insecticide Meter.

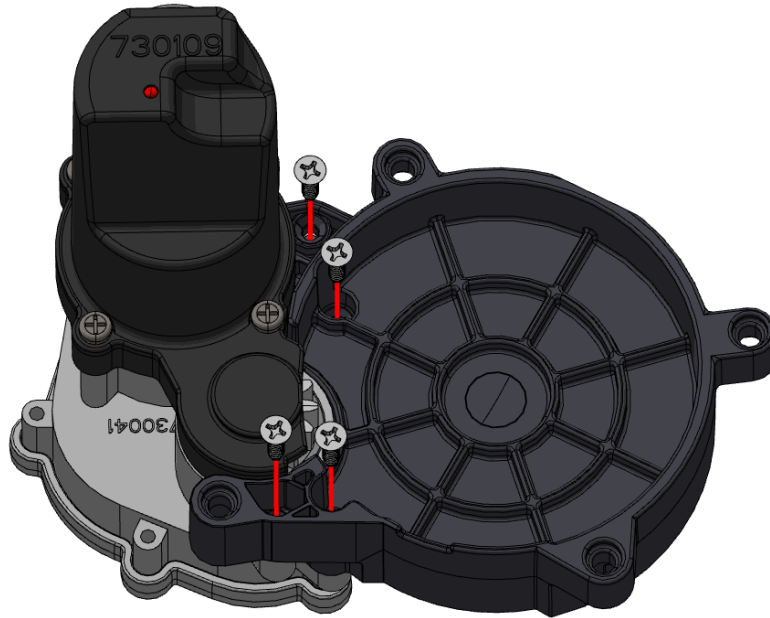
Step 1:

Remove the 4 screws from the vDrive Insecticide meter cover and remove the cover.



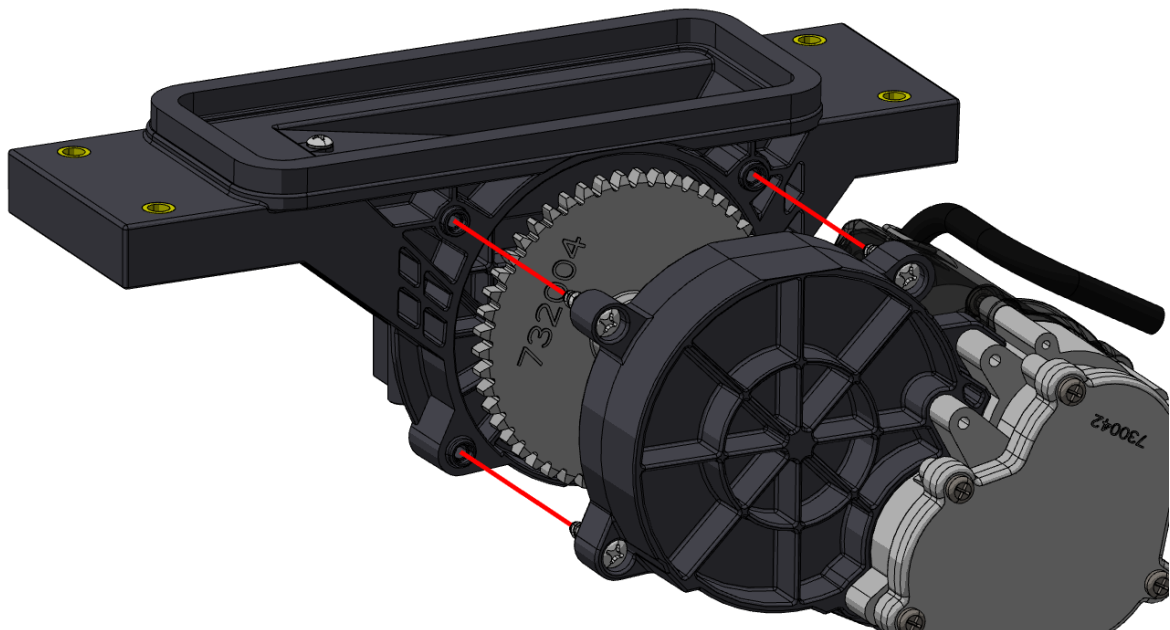
Step 2:

Attach the vDrive Motor to the meter cover using the 4 bolts that are included with the vDrive Motor.



Step 3:

Align the motor/meter cover assembly to the Insecticide Meter and reattach using the 4 screws that were removed in Step 1.



Installation on John Deere, Case and Kinze row units

This section covers basic installation guidelines intended to apply to most John Deere, Case and Kinze row units. Planter specific conditions and planters of other makes may require other brackets, third-party hoppers, and/or additional modifications.

vDrive Insecticide is only compatible with single hole insecticide hoppers.

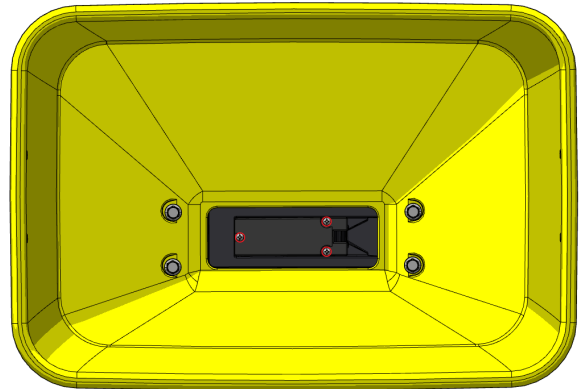
Step 1:

Remove the OEM hopper from the row unit, then remove the OEM meter from the hopper.

Step 2:

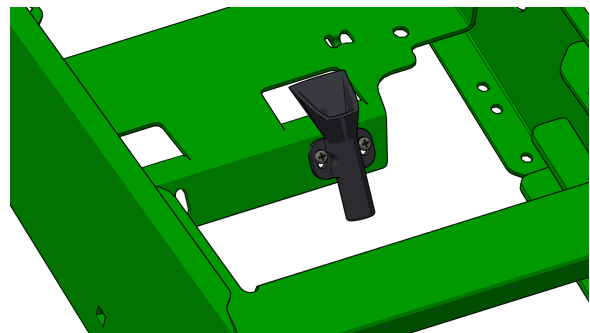
Install the vDrive Insecticide meter in place of the OEM meter with the 4 included flange bolts. Ensure that the gasket remains in place when mounting the new meter.

All 3 screws indicated in red should be visible when installed correctly.



Step 3:

Remove the OEM insecticide funnel. Install the 732102 funnel in the same location, using the included machine screws, washers, and nuts. **Do Not** fully tighten the nuts at this time.



Step 4:

Replace the OEM hopper/vDrive Insecticide meter assembly onto the row unit. Align the funnel until it is flush with the bottom of the meter and tighten the nuts fully. Attach the insecticide hosing to the funnel.

Step 5:

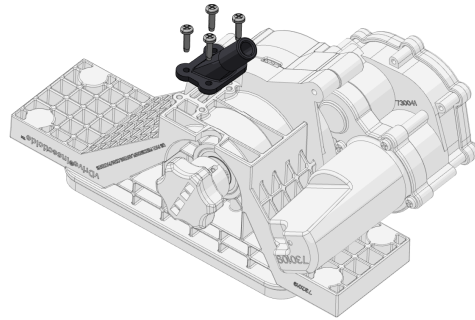
Attach the Row CAN Jumper to the vDrive Motor and route the jumper to the CAN Expansion Hub or SRM, using zip ties or other fasteners to secure the jumper to the row unit/planter.

Note: vDrive Insecticide requires a brown CAN jumper to identify correctly to the 20/20.

AMVAC Smartbox Installation

Step 1:

Attach the 732025 Smartbox/High Flow funnel to the vDrive Insecticide meter as shown.



Step 2:

Remove the Smartbox hopper and install the Extension Bracket on each side panel of the Smartbox Bracket using the included bolts. Brackets must be in the furthest forward position.



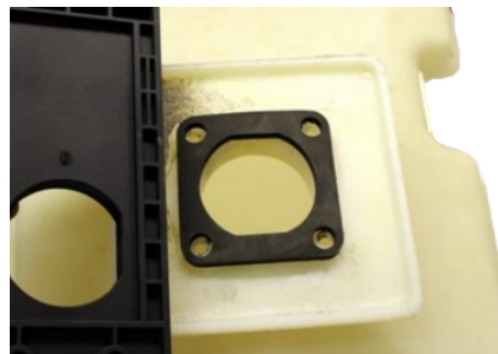
Note: The Extension Brackets are supplied by AMVAC and will include detailed instructions.

Step 3:

Remove the Smartbox meter from the Smartbox hopper.

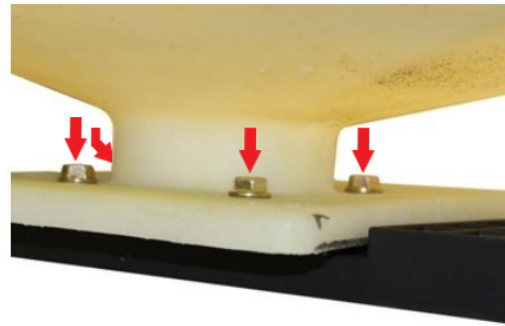
Step 4:

Align the 732027 Gasket and 732026 Adapter Plate with the bolt holes on the bottom of the Smartbox hopper.



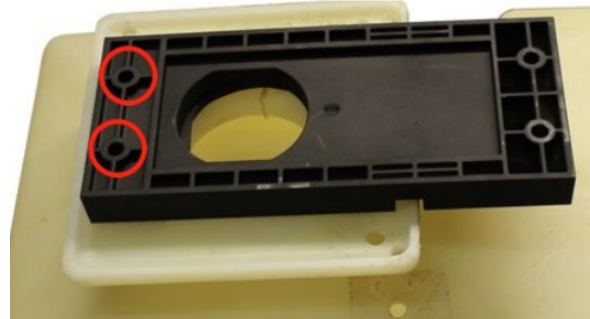
Step 5:

Attach the Gasket and Adapter Plate to the Smartbox hopper flange using the bolts from the Smartbox meter.



Step 6:

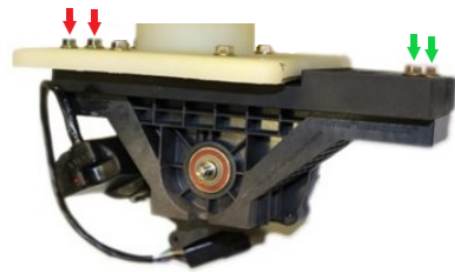
Using the Adapter plate as a guide, drill through the Smartbox hopper flange in the indicated locations using 1/4 in. drill bit.



Note: Do Not drill through the Smartbox Hopper.

Step 7:

Attach the vDrive Insecticide meter to the Adapter Plate using the bolts included in hardware kit 732029. Use the longer bolts on the front side of the meter (indicated by the red arrows) to attach through the Adapter Plate and Smartbox hopper flange, and the shorter bolts on the back side of the meter through the Adapter Plate only (indicated by the green arrows).



Step 8:

Attach the Hopper to the Smartbox brackets and attach the insecticide hose to the funnel using the included hose clamp.

**Step 9:**

Attach the Row CAN Jumper to the vDrive Motor and route the jumper to the CAN Expansion Hub or SRM, using zip ties or other fasteners to secure the jumper to the row unit/planter.

Note: If installing on a planter that is equipped with vDrive for seeding, it will be necessary to use a brown, green, or white CAN jumper for vDrive Insecticide to allow the 20|20 to differentiate between the two vDrive motors.

Installing vDrive insecticide in an atypical location.

In some situations it may be desired or necessary to mount the insecticide hopper in a location other than the row unit, such as above the parallel arms or near a CCS tank/ladder. If the hopper/meter is located in an area where none of the standard Row CAN jumper lengths will reach the SRM/CAN Expansion Hub, a 729201 10 ft. Row CAN extension may be used.

Plug the female end of the 729201 extension into the vDrive Motor and route the extension along the planter/row unit frame using zip ties or other fasteners to secure the extension. Then route an appropriate length Row CAN jumper from the male end of the extension to the SRM/CAN Expansion Hub.