

vSet® Select

Bulk Seed Tank Air Flow Reducer Installation Instructions

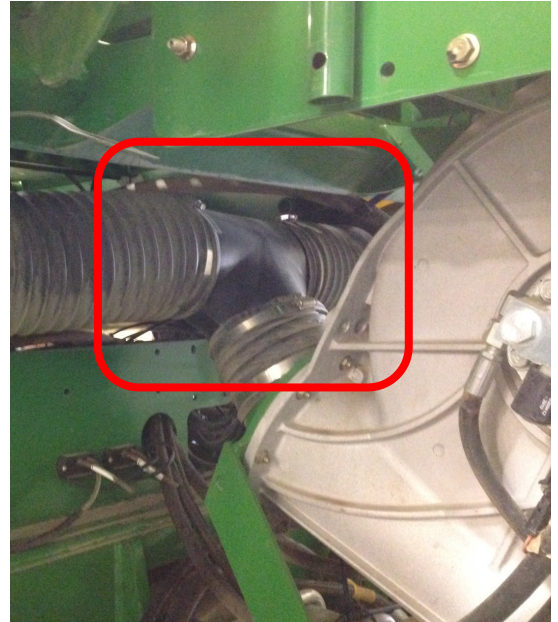
731120

Precision Planting®

The function of the Air Flow Reducer kit is to lower the likelihood of seed delivery problems by controlling air flow to the bulk seed tanks. By actively controlling the amount of flow to each tank, the system is able to prevent seed accumulation in hoses leading to meters that are not currently planting.

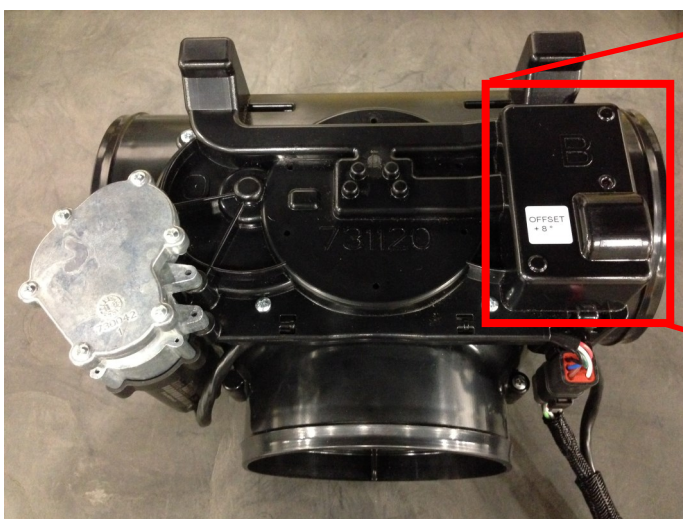
Step 1

Locate and remove the existing “Tee” from the bulk seed tanks’ air plumbing. The “Tee” should be located centrally, below the bulk seed tank, and is held on by three hose clamps. If your planter routes tank air pressure through the steel frame supporting the CCS system instead of a Tee, you will need a 731245 adapter kit.



Step 2

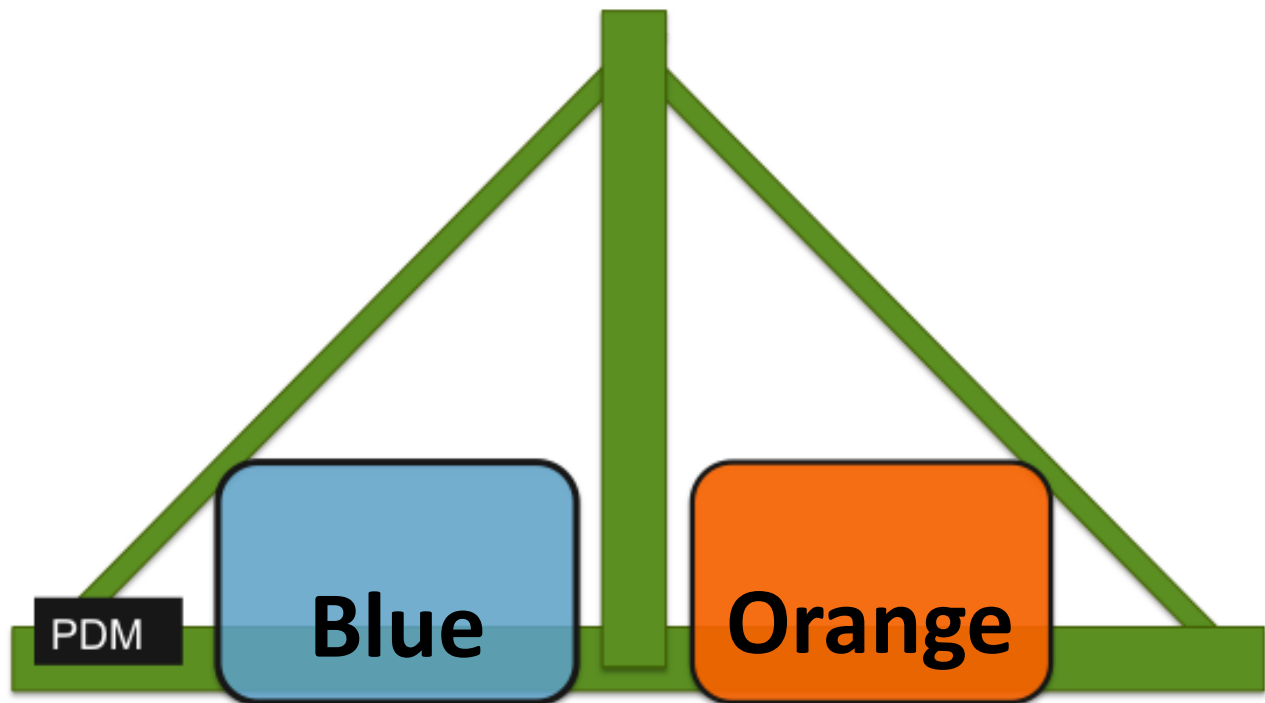
Record the Air Flow Reducer Offset Value from the top of the module on the Air Flow Reducer Tee. This value will be entered later in the 20/20 for accurate control of the Air Flow Reducer.



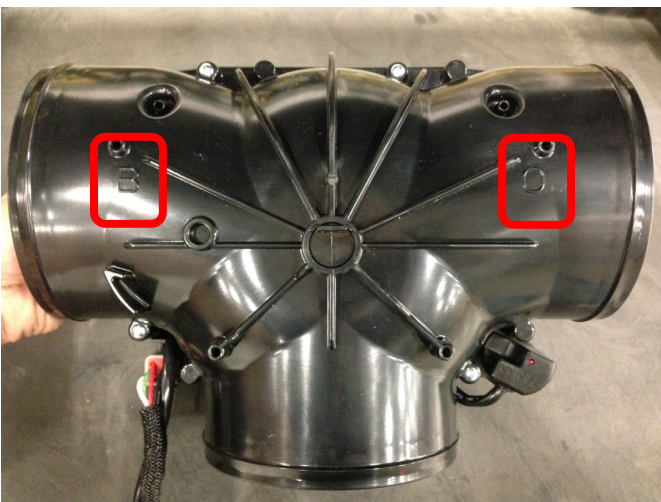
Step 3

Install the Air Flow Reducer Tee (731120) where the OEM tee was removed in Step 1 reusing the existing hose clamps.

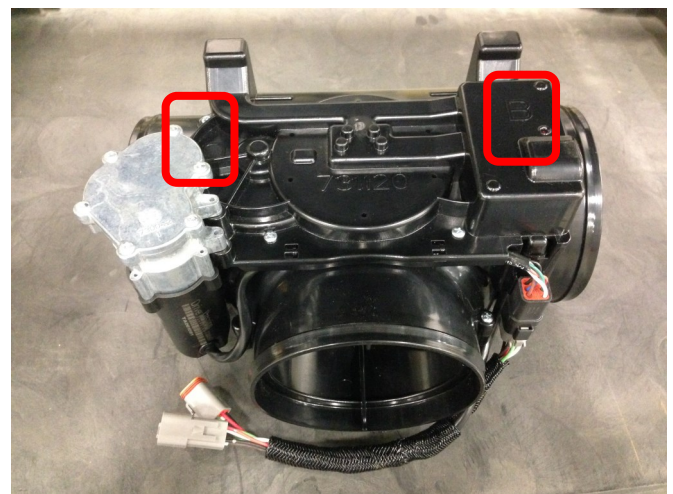
Note: The Tee must be oriented correctly for accurate control. The outlets marked “B” and “O” must be routed to the “blue” and “orange” tanks, respectively. See illustration below.



Bottom

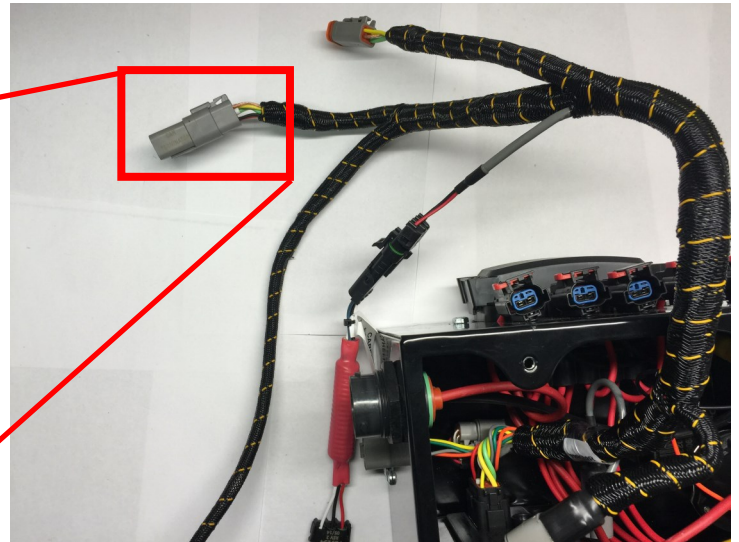


Top



Step 4

Plug the 6-pin DT row CAN extension from the finishing kit (part number 729076, 077, or 078) into the PDM at the Seed Repeater connection. Remove the factory installed CAN terminator from this connection and retain it for later use.



Note 4A

Connect row CAN extension to Air Flow Reducer here.

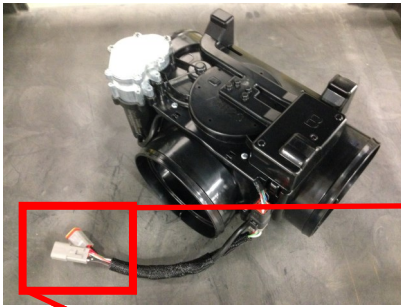
Note 4B

Retain the CAN terminator for later use.
Order part number 729081 if you need a new CAN terminator.

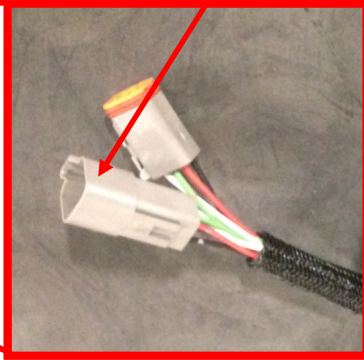


Step 5

Route and connect the 6 pin DT row CAN extension from the PDM to the Air Flow Reducer.



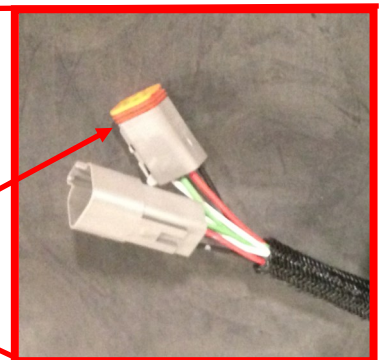
Connect row CAN extension from PDM here.



Step 6

The unused connector on the Air Flow Reducer harness will be closed in one of two ways:

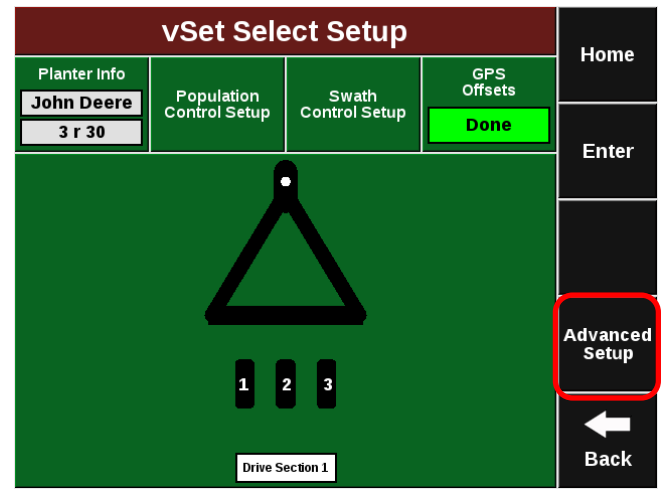
1. If NOT using a Seed Repeater Module, install the CAN terminator removed in Step 4.
2. If using a Seed Repeater Module (729098) to send seeding information to a third party monitor, re-route the row CAN extension from the Seed Repeater Module to the output from the Air Flow Reducer (may require additional CAN extensions). The CAN terminator removed in Step 4 is not used in this configuration.



Install CAN terminator or route row CAN extension to Seed Repeater.

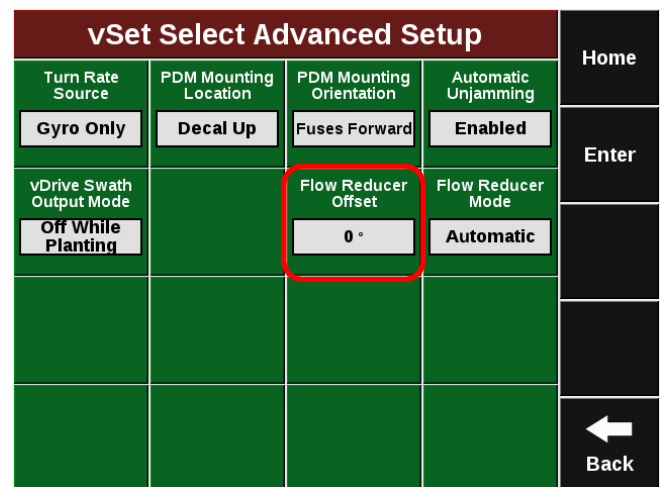
Step 7

To input the Air Flow Reducer Offset value obtained in Step 2, complete system configuration as described in vSet Select Operator's Guide and then, from the home screen, press the vSet Select button and then SETUP.



Step 8

On the vSet Select Setup page, press ADVANCED SETUP.



Step 9

Enter the Offset value obtained in Step 2 by pressing FLOW REDUCER OFFSET.

Note: The Flow Reducer Mode on this screen is defaulted to Automatic and should always be configured this way during operation. Other modes are designed for diagnostics and troubleshooting only.

Step 10

To access diagnostic information related to the Flow Reducer, navigate to the Diagnose Tab and press FLOW REDUCER.

