

vSet® Select

Seed Delivery Installation Manual

731131

JD 1770NT 16 Row 30" Seed Delivery Finish Kit

Precision Planting®

Contents:

Kit: 731131 16R30 JD 1770NT Seed Delivery Finish Kit

Part Number	Description	Quantity
731106	vSet Select Bulk Fill Base Kit - JD	1
731068	OD Connector Kit - 1.25" Straight (Orange)	8
731118	OD Connector Kit - 1.25" Straight (Blue)	8
731065	OD Connector Kit - 1.25" Sweep (Orange)	3
731115	OD Connector Kit - 1.25" Sweep (Blue)	3
731080	30" Inter-Row Hose Kit (Orange)	8
731110	30" Inter-Row Hose Kit (Blue)	8

The below components are part of the Bulk Fill Base Kit for John Deere Planters (731106), which is included in all finish kits.

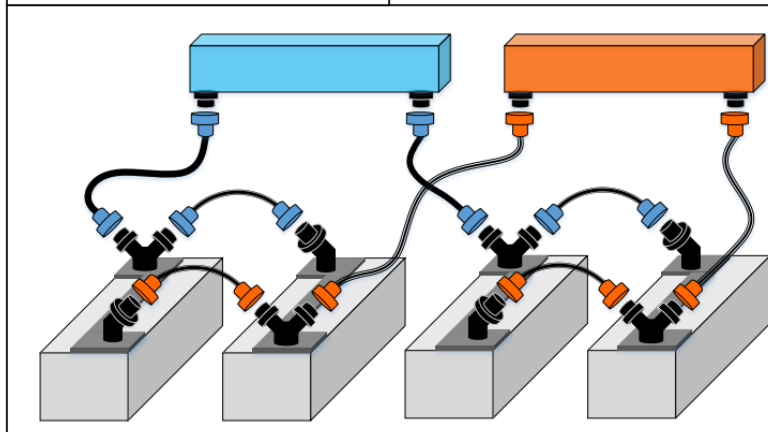
731106 vSet Select Bulk Fill Base Kit - JD

Part Number	Description	Quantity
731061	Bulk Tank Label - Blue	1
731062	Bulk Tank Label - Orange	1
731139	1.25" OD Connector Clamp Kit - Orange	4
731140	1.25" OD Connector Clamp Kit - Blue	4
731064	Hose Cutting Tool	1
731092	P-80 Hose Assembly Lubricant 3pk	1
731120	Seed Delivery Airflow Reducer Kit	1

Overview

The function of the Seed Delivery Finishing Kit is to provide all of the components necessary to re-structure the existing seed delivery lines during a vSet Select installation. OEM installation of seed delivery lines provide seed to the left and right rows of the planter from their respective bulk seed tank only. The dual meter assembly of vSet Select requires ALL rows to receive seed from BOTH bulk seed tanks. See Detail A below for a generic visualization of how this will be accomplished.

Detail A: Seed Delivery Installation



Step 1

Install the blue and orange tank labels to reduce confusion during installation of the seed delivery system.

- Install the Blue Bulk Tank Label (731061) on the LEFT tank when viewed from behind the planter.
- Install the Orange Bulk Tank label (731062) on the RIGHT tank when viewed from behind the planter.
- **Note:** Proper routing and installation of seed delivery lines is vital for accurate control by the 20/20 display.

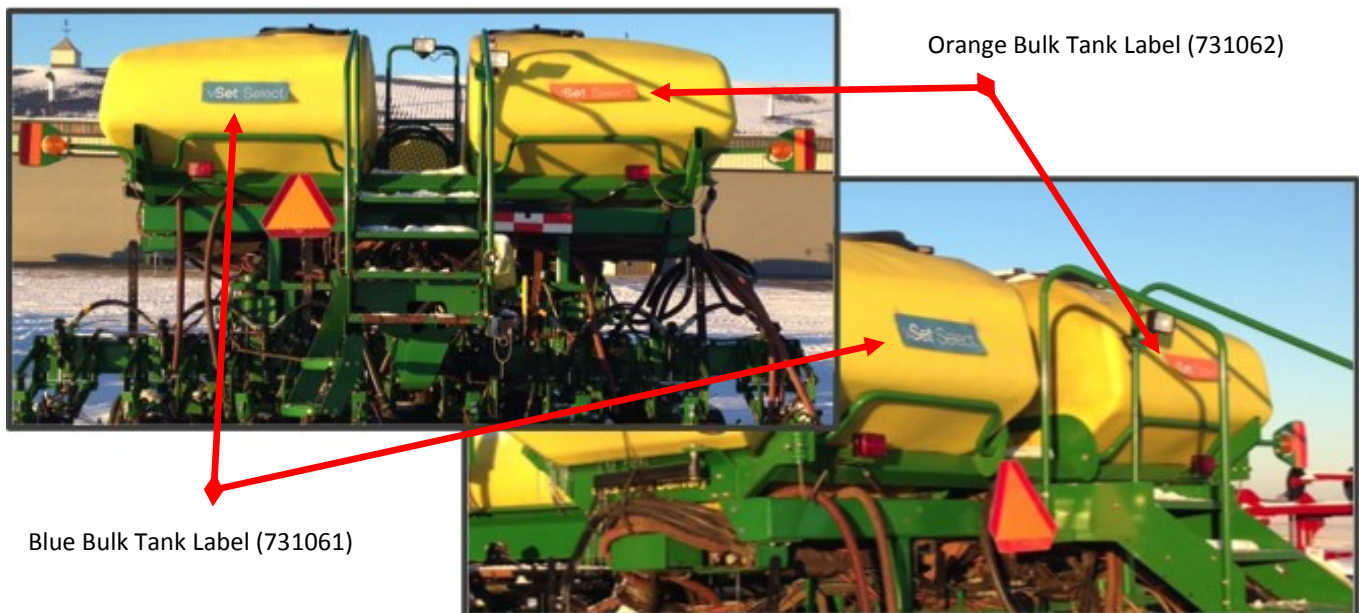


Illustration 1: Bulk Seed Tank Label Placement

Step 2

Install the Seed Delivery Airflow Reducer Kit (731120) using the instructions included in that kit.

Seed Delivery Hose Pre-installation Notes

- vSet Select will use the standard 1.25" Seed Delivery Hose (731073)
- All vSet Select installations will require the addition of some new hose to the system. Examine any existing hose carefully prior to reuse. Any reused hose should have any hose ends that were previously installed onto internal fittings removed to provide a fresh connection.
- Be mindful of all fold points and the actions of the hose around and through these points.
- If replacing all seed delivery hose, leave at least one OEM line for reference until all other lines are installed.

Step 3

Connect the hose completely onto the 1.25" hose barb. Refer to Illustration 3a for the location that each row connects to the tanks. For standard male hose barbs, place three drops of P-80 hose Assembly Lubricant onto the fitting and spread evenly. This lubricant is a non-toxic emulsion that will evaporate quickly without leaving a sticky residue. Refer to illustrations 3b and 3c on the next page for routing and connection to the meters.

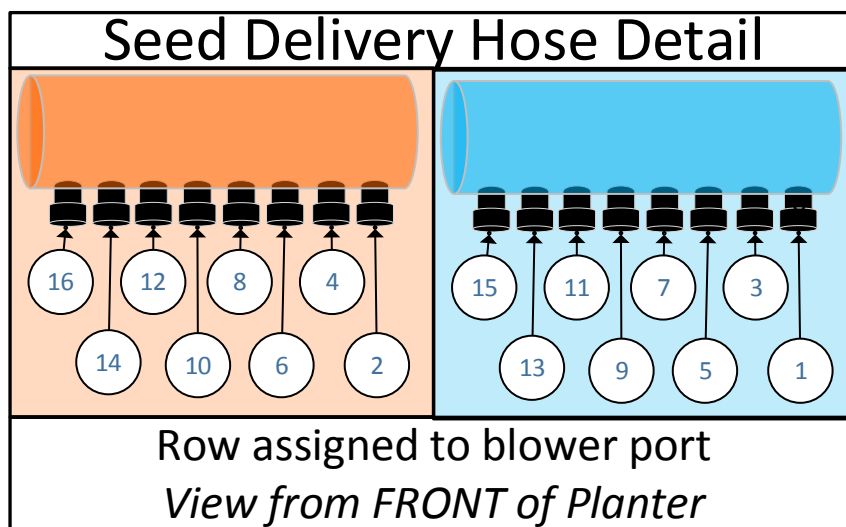


Illustration 3a: Seed Delivery Hose Orientation

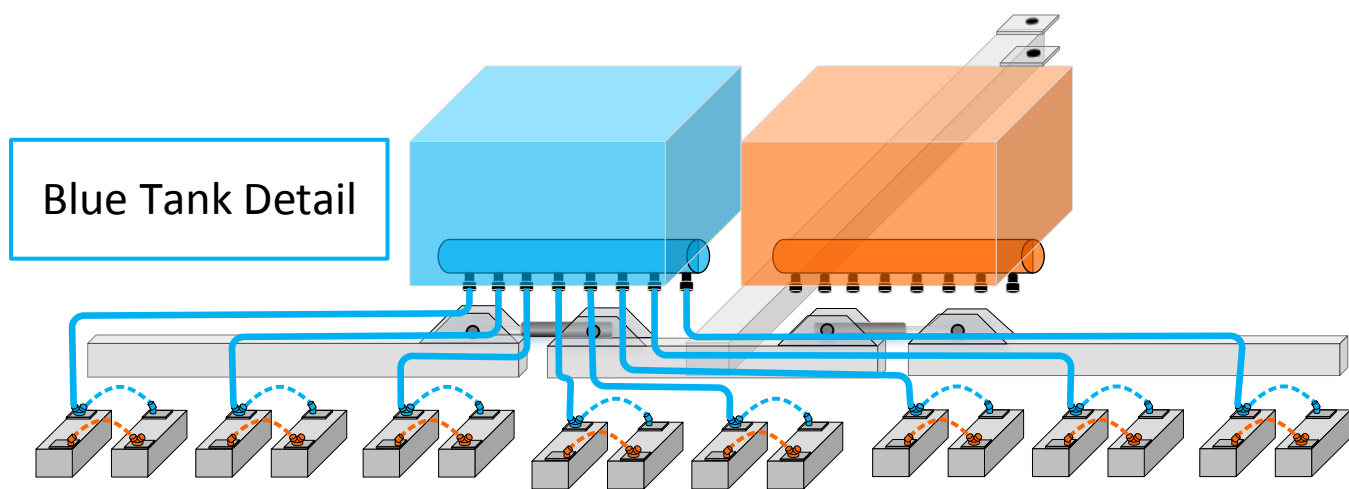


Illustration 3b: Seed Delivery Hose Routing—Blue Tank

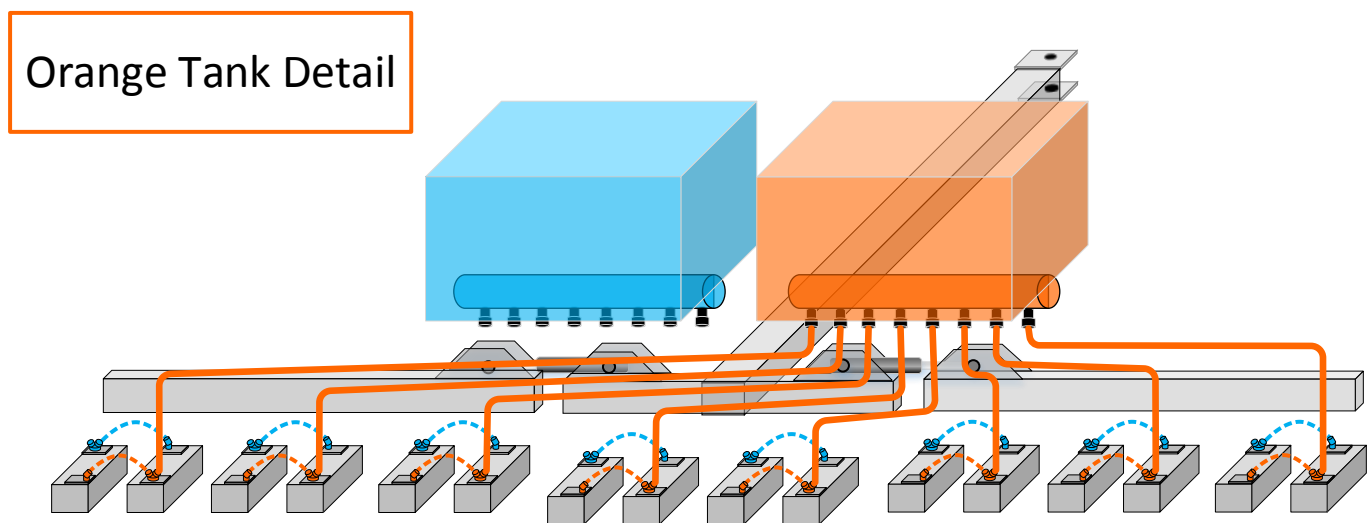


Illustration 3b: Seed Delivery Hose Routing—Orange Tank

Step 4

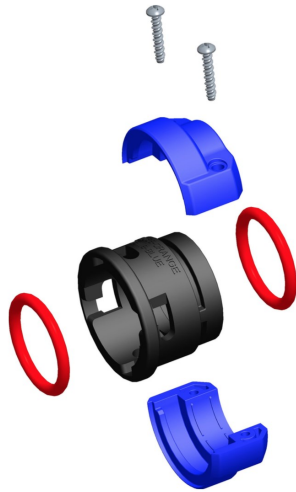
Once the seed delivery hose has been routed to the correct row and meter, mark the length and cut the hose. It is best to have all meters mounted on the planter to ensure proper hose length. To ensure a clean, straight cut we recommend that you use one of the following tools:

- Precision Planting cutting tool
- Miter box
- Miter saw or chop saw with a steel blade labelled for wood cutting.

Avoid using the abrasive style cutting blades commonly installed on chop saws. These will melt and burn the hose material leaving a rough cut and fine particulates in the hose that may negatively affect seed flow. Thin cutting blades like knives and pipe cutters are also not recommended. The internal support ribs of the hose tend to deflect these thin blades leaving an uneven cut.

Step 5

Once the seed delivery hose has been cut to length, install the 1.25" OD connectors onto the hose. Make sure that both O-rings are installed correctly on each connector prior to installation. Tighten the two #2 Phillips head screws until the clamps are touching on BOTH sides to ensure an adequate grip between the connector and hose. Refer to Illustration 5a for an exploded view of the standard straight connector and to Illustration 5b for an example of the assembled sweep-style connectors that may be used to route hose around interference as needed. Use the standard straight connectors unless the sweep is required since there are only six sweep style connectors are included.



*Illustration 5a: Straight Style 1.25" OD connector
(exploded view)*

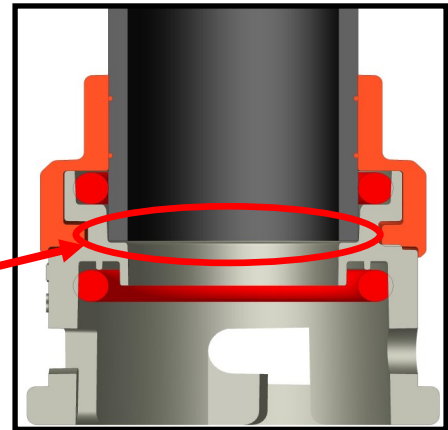


*Illustration 5b: Sweep style 1.25" OD connector
(assembled)*

Note:

The 1.25" OD connectors minimize the number of diameter changes in the seed delivery system and improve the system's robustness against seed bridging. To gain full advantage from this design, it is important that the hose be:

1. Cut straight
2. Free from burrs and debris
3. Fully seated within the connector without any gaps that might allow a seed to catch and bridge.



Step 6

Once the 1.25" OD connectors are installed on the seed delivery hose, connect the hose to the meter. Verify hose routing is correct with the LEFT or BLUE seed tank connected to the FRONT meters and the RIGHT or ORANGE seed tank connected to the REAR meters.

Operations Note:

Before you fill the hoppers with seed for the first time, pour a generous amount of eFlow or similar seed lubricant evenly into the hoppers and pressurize the tank to distribute out to the rows. This will help seed flow through new hoses. It is recommended that twice the normal amount of lubricant be used for the first 2—3 seed fills in season before returning to normal lubricant levels.