

vSet[®] Select

**Installation Instructions for
vSet Select Complete Dual Meter Assembly for Kinze
731011 (ODD Row) and 731012 (EVEN Row)**

Precision Planting[®]

vSet Select Meter Assemblies Bill of Materials

These instructions are included in the 731011 and 731012 Kits. See the appropriate table below for the Bill of Materials of each kit.

P/N: 731011

Kinze Dual Meter Assembly, Complete - ODD ROW

Part Number	Description	QTY
vSet Select Dual Meter Assembly, 2 vDrives and Corn Crop Kits installed		1
731159	KZ SRM Mounting Bracket Kit (includes HDW kit 731203)	1

P/N: 731012

Kinze Dual Meter Assembly, Complete - EVEN ROW

Part Number	Description	QTY
vSet Select Dual Meter Assembly, 2 vDrives and Corn Crop Kits installed		1
731159	KZ SRM Mounting Bracket Kit (includes HDW kit 731203)	1

Overview:

These instructions will cover the on-row unit steps to convert the planter to a vSet Select planter. These steps include installation or modification of the SRM, Row Unit Harness, SRM Mounting Bracket, and final mounting/placement of the dual meter assembly with correct orientation for accurate control by the 20/20 SeedSense. Note: Please refer to your vSet Select Owner's Manual for additional details regarding :

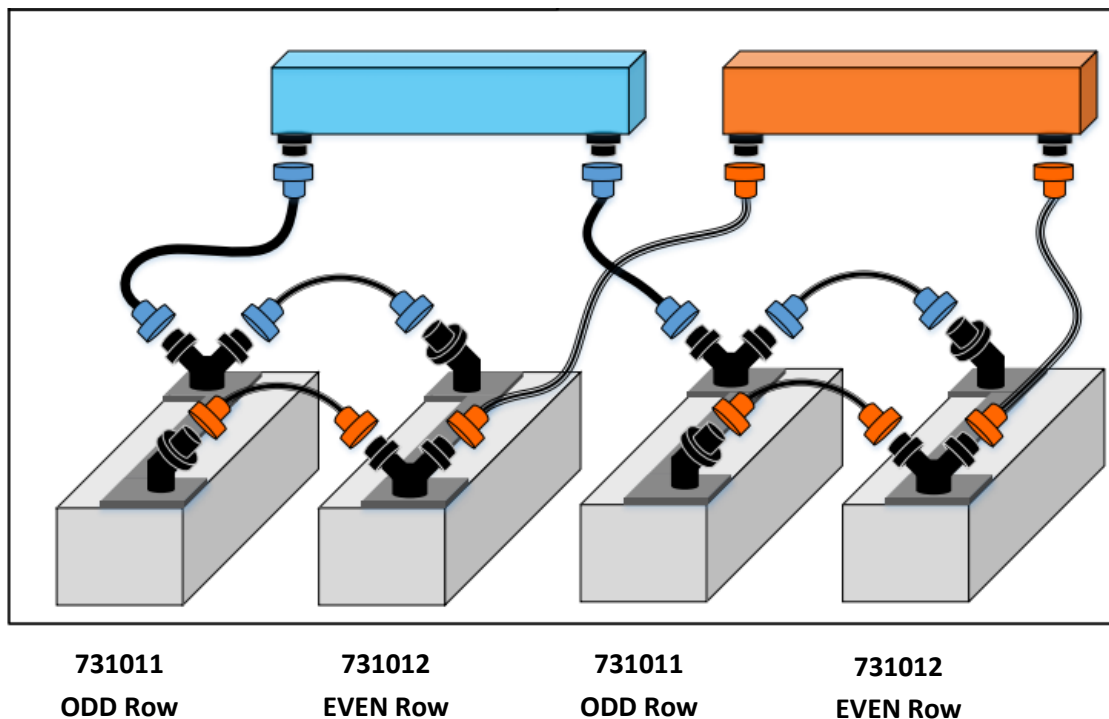
- Troubleshooting
- Maintenance
- Conversion to Single Hybrid Mode

Additional installation instructions regarding seed delivery, vacuum, and operation are available online at <https://cloud.precisionplanting.com/pubs/>

Use the diagram below to note the differing location of the seed delivery 'T' on odd and even rows. Placement of the meters on the correct rows will ensure proper control.

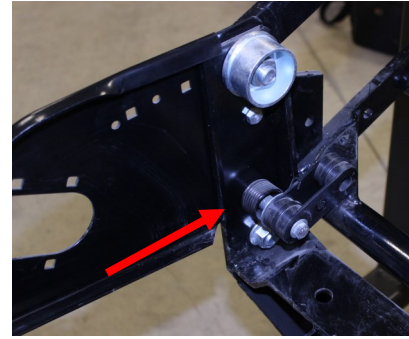
ODD rows will have the splitter or 'T' on the FRONT or BLUE meter.

EVEN rows will have the splitter or 'T' on the REAR or ORANGE meter.



Step 1

All chain tensioner assemblies and meter drive sprockets must be removed from the row unit prior to beginning the installation.



Step 2

Install the SRM into the SRM mounting bracket. Kinze systems will use kit number 731159. This kit includes a Kinze specific bracket and hardware for mounting the bracket to the row unit as well as mounting the SRM to the bracket.

- The SRM will be installed with the Serial Number towards the ground and the wires pointing upward. Note – this is ‘upside-down’ compared to a standard installation. This orientation will not affect any aspect of SRM performance.
- For row units without a load sensor installed, remove the plug from the side of the SRM. Use a pair of wire cutters to snip the plug supports and insert the plug into the connector (see figures 2a and 2b).
- Insert the 5/16" x 1.75" bolt from the rear face of the bracket, through the SRM, and secure in place with the 5/16" Washer, 5/16" Lock Washer and 5/16" Hex Nut towards the interior of the row unit (see figures 2c and 2d).



Figure 2a



Figure 2b

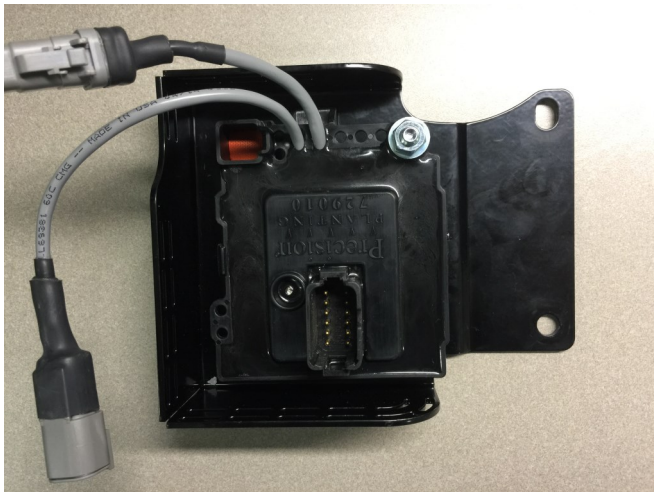


Figure 2c



Figure 2d

Step 3

Next install the SRM mounting bracket onto the row unit.

For REAR or PULL rows:

- a) Mount the SRM mounting bracket onto the row unit on the LEFT where the row unit stop is installed.
- b) Secure the bracket to the left hand row unit post reusing the original row unit stop hardware.
- b) On row units with the chain tensioner removed, replace the longer chain tensioner bolt with the included 1.75" x 5/16"-18 bolt and 5/16" Lock Nut.

Replace longer chain tensioner bolt with included 1.75" x 5/16"-18 bolt and 5/16" Lock Nut.

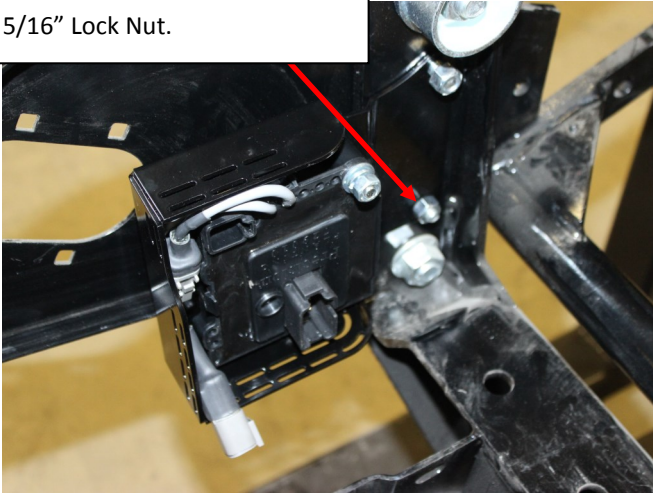


Figure 3a

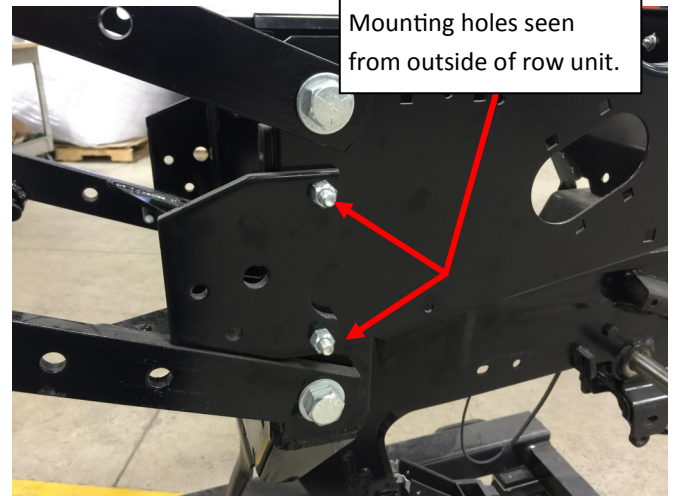


Figure 3b

For FRONT or PUSH rows:

- a) Mount the SRM mounting bracket onto the row unit on the LEFT hand side, below the seed hopper mounts.
- b) Using a drill with a 3/8" drill bit. Drill a hole through the row unit panel using the holes present in the row unit upright post as a guide.
- c) Secure the bracket to the left hand row unit post using the provided 5/16"-18 x 1.75" bolts and 5/16" Lock Nuts.



Figure 3c



Figure 3d

Step 4

When installing vSet Select on a planter that already has the SRM infrastructure installed for vDrive or Deltaforce, the Row Unit Harness must be relocated from the top right hand parallel arm (when viewed from the back of the row unit) to the top LEFT hand parallel arm. The SRM backbone harness may need to be reoriented so that the plug is at the correct parallel arm.

NOTE: Do not connect the 12-pin Deutsch connector to the SRM yet.

Step 5

Next connect the SRM harnessing.

1. Route the Row Unit Harness and connect the 12-pin Deutsch into the SRM.
2. Connect DeltaForce cylinders, load sensor, and any auxiliary sensors as applicable.
3. Tie all loose and unused cables to the SRM mounting bracket using the available slots in the bracket (see Figures 5a and 5b).

Push Row Unit

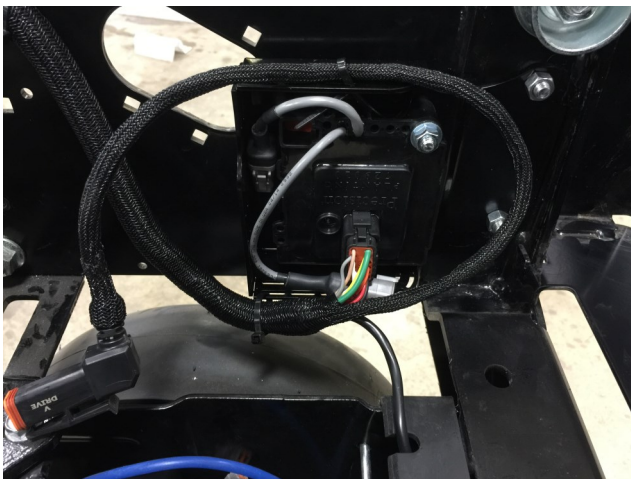


Figure 5a

Pull Row Unit

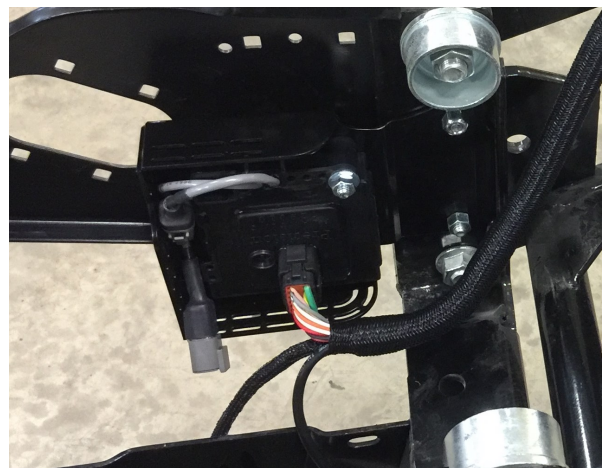


Figure 5b

Step 6

Install the dual meter assembly into the row unit.

Check for clearance between the meter assembly and the row unit frame, SRM bracket and row unit harness.

Check for proper alignment of seed release point of dual meter over seed tube.

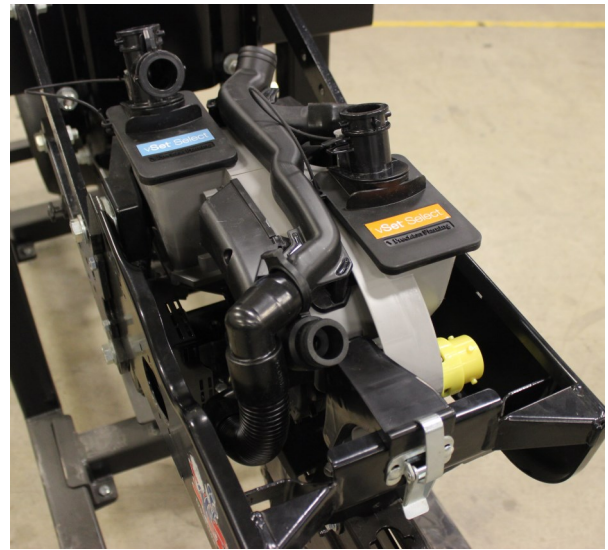


Figure 6

Step 7

Plug the vDrive connector on the row unit harness into the 6-pin Deutsch receptacle on the side of the vSet Select Dual Meter Assembly.



Figure 7

Step 8

Adjust the height of the mini hopper latch assembly as needed. Do not over tighten.

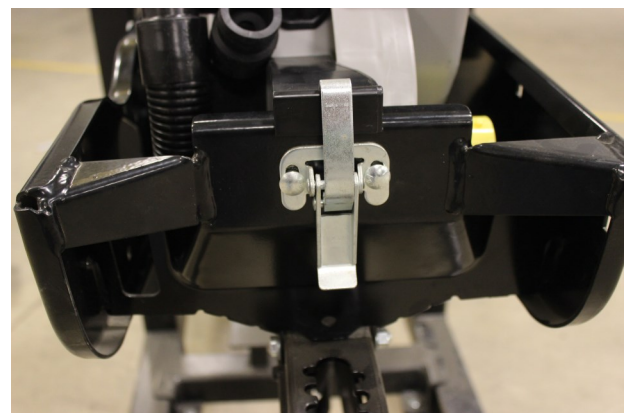


Figure 8