

DB Manifold Modification Kit (vSet Select)

The 731275 DB Manifold Modification Kit is used when installing vSet Select on DB44 and DB60 24 row planters. This upgrade installs a new vacuum manifold on the rear section on these planters.

Parts List:

- 730120 3" Rigid Vacuum Tube (Qty. 4)
- 730161 3" Tube Cap (Qty. 4)
- 731277 DB Manifold Hardware Kit (Qty. 1)
- 731190 Row Unit Hose Saddle Kit (Qty. 8)
- 731184 vSet Select Fitting Kit (Qty. 8)
- 731103 50'x1.5" Bulk Row Unit Hose (Qty. 1)
- 730198 3"x10' Flex Hose (Qty. 1)
- 730125 Vac Tube Standard Mount (Qty. 4)
- 730182 3" Tube Hose Clamp (Qty. 4)

Step 1

Remove the stock steel tubing and flex hose from both wing sections. Keep the mounting brackets for reuse later in this process.



Figure 1

DB Manifold Modification Kit (vSet Select)

Step 2

Cut the provided 730120 3" Rigid Vacuum Tube to the same length as the original steel manifold that was removed.

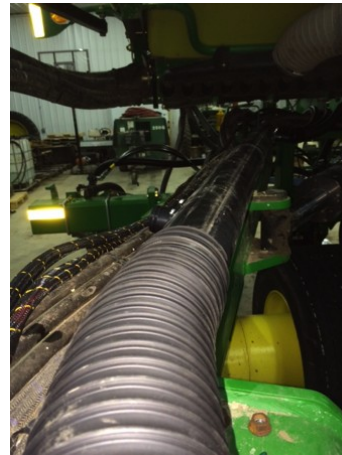


Figure 2

Step 3

Install the cut lengths into the original JD mounting brackets using the provided 50 mm bolts with spacers as the new hardware. Each bracket will require approximately 10 washers.



Figure 3

Step 4

Use the 730161 3" Tube Caps to cover both the steel vacuum inlet (figure 4a) and the end of the 3" Rigid Tube under the bulk fill tanks (figure 4b).



Figure 4a



Figure 4b

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Step 5

Install the saddles on the 3" rigid tube. Install three saddles underneath the bulk fill tank for each wing section. This air supply will be used for the outer 3 rows on each side of the center section. The wing sections will have the saddles facing forward and towards the tractor. Route the vacuum row unit hose up and over the seed delivery lines. To keep hose length as short as possible, the saddle closest to the center should connect to the outermost row on the center section, the middle saddle to the next row, and the outermost saddle to the third row from the end of the center section (using the longest hose).

Left Wing



Figure 5a

Right Wing

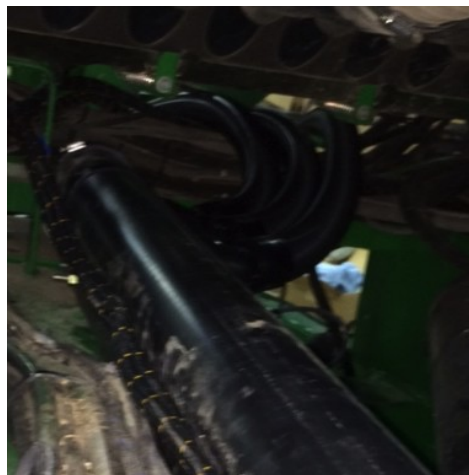


Figure 5b

Step 6

Cut a 7' section of ABS pipe. Use two (2) of the 730125 mounting kits to mount the pipe between the blower and the flex joint on the bar.



Figure 6

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Step 7

Remove the JD manifold inlet (Figure 7a). Once removed use a 730161 3" Tube Cap to cover the inlet. You will also need to cap the inlet next to the blower. (Figure 7b) You will route 3" Flex Hose across the flex joint and into the center section.



Figure 7a



Wing

Center

Figure 7b — Flex Joint Cap



Figure 7c — Vacuum Blower Cap

Step 8

On the outside rows of the blower, you will reuse the JD manifold as the blower will now serve the entire wing section. Locate and remove the stock JD flex hose. (Figure 8a) Adapter the new 3" flex hose by cutting a 6" section of the 3" Rigid Tubing and Slide the 730192 3" Flexible Coupler into place on the wing. Clamp securely (Figure 8b). Route the 3" Flex Hose into the adapter from the vacuum.



Figure 8a



Figure 8b