

FURROW V CLOSER MOUNTING INSTRUCTIONS

Universal Series Planters

(Read Instructions Completely before Beginning Installation)

Before working on your planter or drill

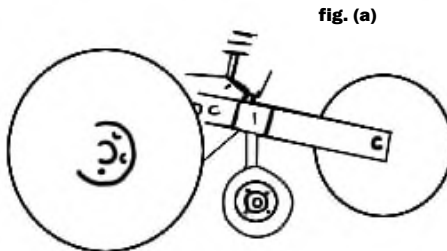
DANGER: when storing or working on the planter always install cylinder stops or place the planter on stands to prevent personal injury or damage to the attachments. Do not allow planter to rest on poly FVC discs as they can warp.

Mounting Instructions

Before you begin, verify the “package contents” listed below to ensure all items are included.

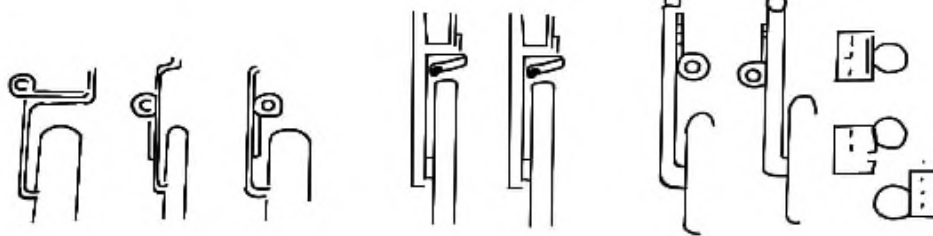
Specify model of planter when ordering so we can supply the correct bracket.

Step #1: Assemble the Furrow V Closer. Begin by removing the two 3/8” square headed set bolts from the mounting bracket and install the two 3/8” jam nuts. Clamp the FVC bracket in place. Be sure the 3/4” diameter shaft is as close to vertical (fig. (a)) as possible when the planter/drill is in the soil. Examples below are mounting positions on flat straps and round arms. Either weld brackets or drill holes.



Step #2: Set enough pitch (3/4” min.) (fig.(b)), to fill the seed furrow. Sufficient pitch is important in preventing damage to poly discs. Beveled edge of disc is way from furrow. Check and adjust in the field.

Poly disc will rest on the gauge wheel tire without harming it when planter is raised. When optional steel disc is used, a travel stop must be put on the gauge wheel so that the steel disc will not cut the tire when planter is raised.



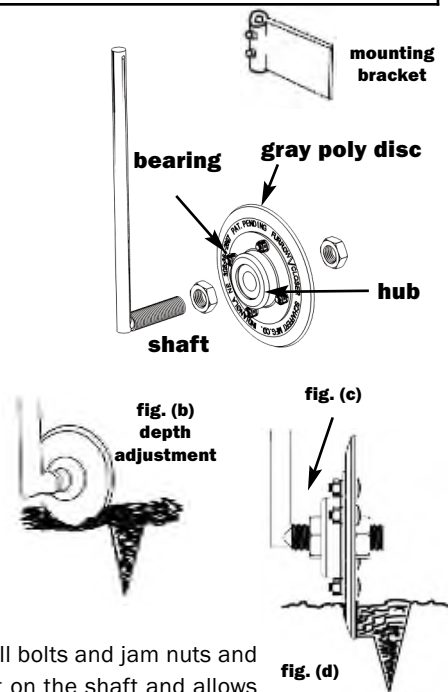
Step #3: position the hub/disc assembly in the center of the threaded area to allow for lateral adjustments. Fig. (c), position the FVC and check carefully to see that the FVC clears the press wheels and doesn’t interfere with or hit springs, tires or anything else during operation, before welding or drilling holes.

Step #4: on no-till drills with narrow spacing (7” to 12”) the FVC vertical shaft should be positioned in the center and behind the opening discs to prevent plugging with residue.

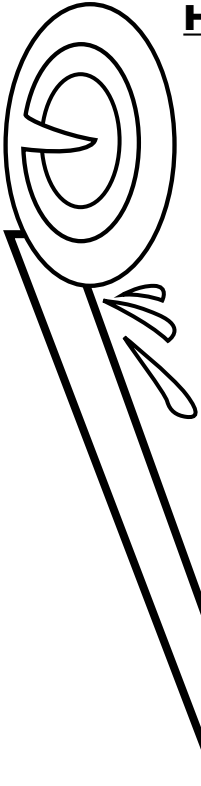
Step #5: the recommended depth (fig. (d)) is 3/4” - 1” max. Adjust to suit different soil types, moisture, or residue. Check and adjust in the field. Be sure to tighten all bolts and jam nuts and triple seat setscrews (loosen and re-tighten 3 times). This removes any paint on the shaft and allows the end of the setscrew to dig into the shaft, preventing the shaft from turning or slipping.

NOTE: the Universal bracket is designed to be easily welded onto round or flat tail wheel mount brackets. Holes may also be drilled and the FVC bolted on.

| Universal Series FVC Package Contents (per single row) | |
|---|-----------------|
| HARDWARE KIT | |
| Item | Quantity |
| 1/4 x 3/4 carriage bolts | 4 |
| 1/4 nuts | 4 |
| 1/4 lock washer | 4 |
| 1/8 x 1” cotter pin | 1 |
| 3/8” jam nut | 2 |
| 3/4” jam nut | 2 |
| 3/8 x 1 setscrews | 2 |
| Instruction Sheet | 1 |
| PARTS LIST | |
| Item & Part # | Quantity |
| Gray Poly Disc (1002) | 1 |
| Steel Disc (optional - 1003) | 1 |
| Hub (2001) | 1 |
| Bearing triple seal (3001) | 1 |
| Shaft (4004) | 1 |
| Mt. Bracket (5008) | 1 |
| (no holes on bracket - field drill or weld) | |
| NOTE: some hardware is installed at the factory. | |



FURROW V CLOSER™ HELPFUL HINTS



Helpful Hints for Mounting Furrow V Closers

The key to making the Furrow V Closer work is taking a few minutes to adjust and tighten it in the field. The recommended depth is 3/4" (1" maximum). Adjust to suit different soil types, moisture, or residue. Disc does not have to turn 100% of the time to work properly. Remember, every planter is different, fields can be different and soil conditions can change.

Make final adjustments of the FVC with the planter in the ground and stopped to check each row. You want the seed trench filled with soil ahead of the press tires. Be sure to tighten all bolts and all jam nuts and triple seat set screws (loosen and tighten 3 times). This removes any paint on the shaft and allows the end of the set screw to dig into the shaft, preventing the shaft from turning or slipping. Install 1/8" cotter pin in top of shaft.

Normally once the Furrow V Closers are set there is no adjusting necessary later.

Important Points to Remember

- Do not allow planter to rest on poly Furrow V Closer discs during storage! Furrow V Closer discs can warp!
- Check the tail section's full range of motion for adequate FVC clearance.
- If you have a field you don't need to use the FVC on, just remove the bearing, hub, and disc assembly and not the shaft it runs on. This saves time in re-setting the FVC when you need it. More pitch and less depth move the same amount of soil.
- Reduce the down pressure on the press wheels! This helps prevent compaction which allows quicker emergence and at the same time saves press wheel bearings.
- The FVC stitches the seed V shut so it doesn't crack back open on a hot, windy day after planting.