

MODIFYING A KINZE 3000 FINGER HOPPER

BACKGROUND

The position of the seed exit in the Kinze 3000 hopper is wider than that of other hopper boxes (e.g. Kinze 2000 and JD 7000). Because of design necessity, the Precision Planting eVac-meter seed pool is closer to the center of the row unit. Using the Kinze 3000 hopper as-is will result in bridging of the seed and therefore poor meter performance. While you have the option of buying a hopper box from Precision Planting specifically designed to work with the meter, immediate functionality for the planting season can be achieved by modifying the seed exit on your existing hopper box.

PROCEDURE

Tools-

The best tool for this procedure is a **panel pilot router bit** with a die grinder. Other options which may also work would be a mill in a Dremel tool, a jig saw, or an abrasive disk in a die grinder. The piloted router bit is preferred because of its ability to guide the tool along the desired cutting path using the walls of the hopper as a fence.

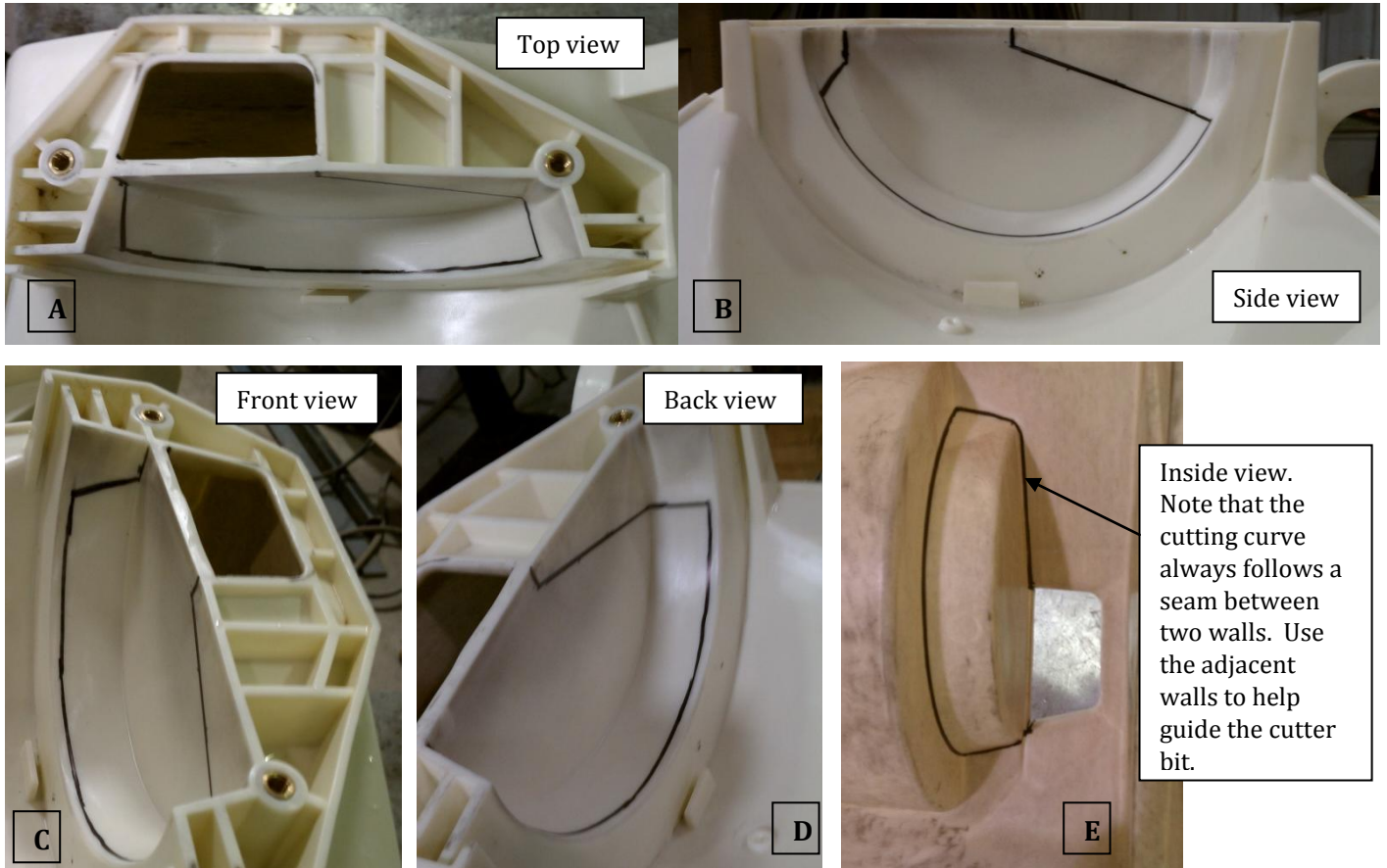


FIGURE 1: TOOL OF CHOICE

1. Remove the hopper from the row unit and strip everything off the hopper box.



2. Mark the cutting path as shown in the images:



3. Cut along the marked path. Marking the cutting path is a good idea until you get the hang of it. After you have a good idea of where you need to cut, you may choose to just feel your way along the adjacent walls to make the cuts. The finished modified hopper should look something like this. You may also want to de-burr the cutting edge to clean up any sharp surfaces. Clean out any plastic shards from the inside of the hopper before installing the meter.

