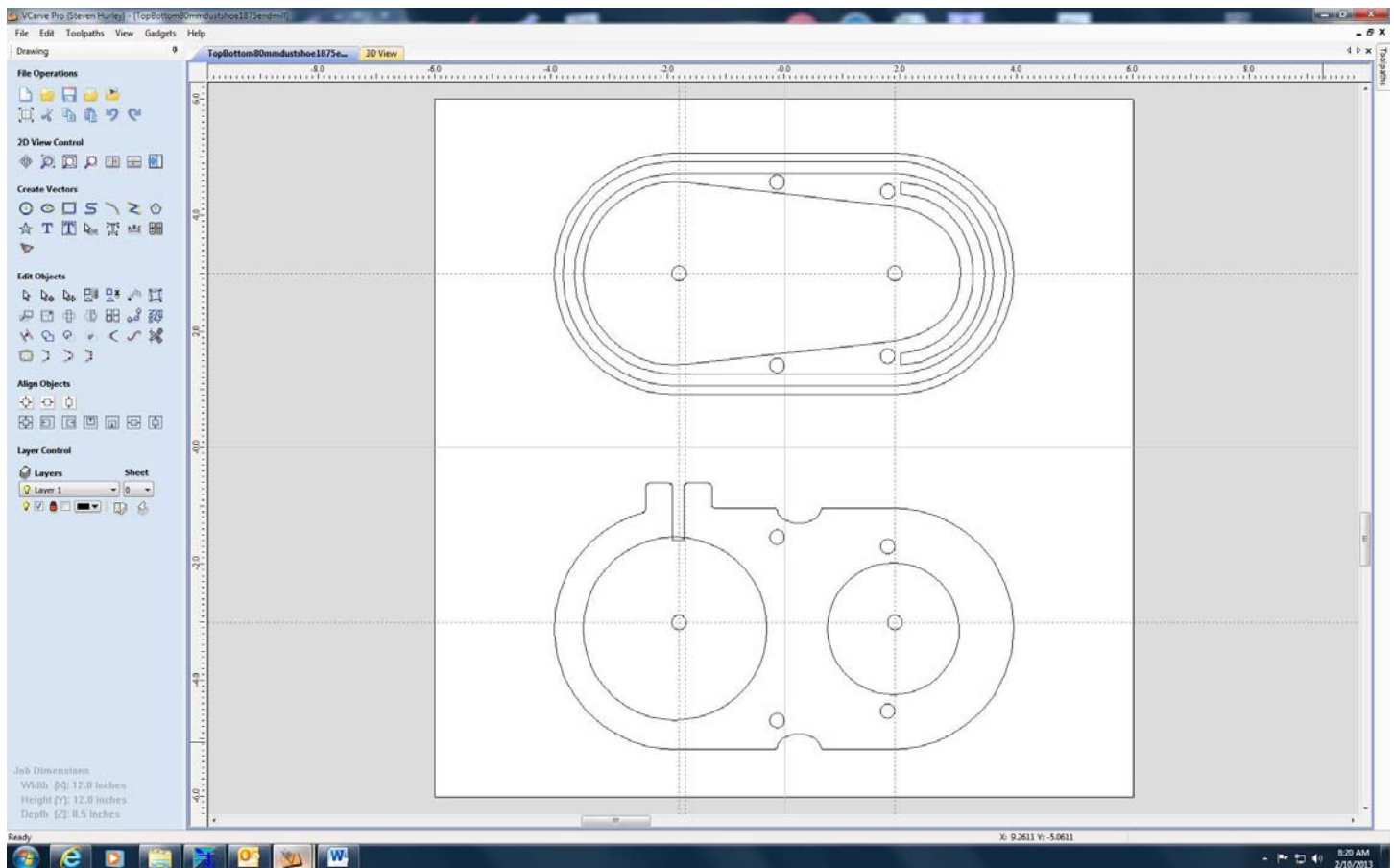


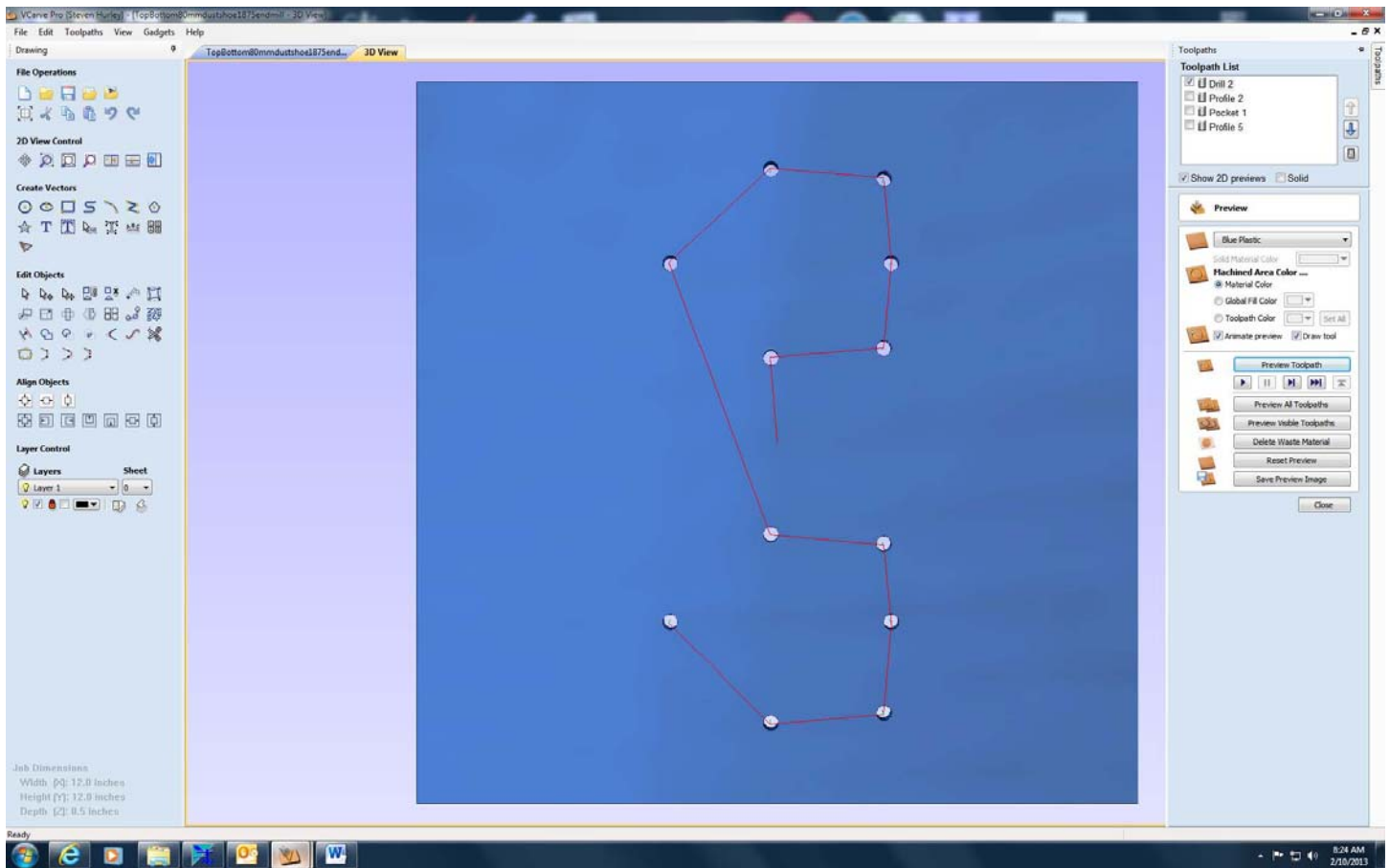
80mm Dust Shoe

- 1ea 12"x12"x1/2" CAST Acrylic sheet <http://www.mcmaster.com/#8560K265>
- 3' McMaster-Carr 7900T2 3" brush <http://www.mcmaster.com/#7900T2>
- 4ea McMaster-Carr 58605K75 1/4" magnet <http://www.mcmaster.com/#58605K75>
- 1bx McMaster-Carr 98381A540 1/4" dowel <http://www.mcmaster.com/#98381A540>
- 1ea Onsrud 56-618 3/16 cut for plastic <http://www.mcmaster.com/#31615A21>
- 1ea 1-1/2" long screw and nylon locknut for clamping shoe to spindle
- 1ea Rockler 2-1/2" dust swivel <http://www.rockler.com/product.cfm?page=22151&rtr=1>

Mount sheet onto scrap waste board

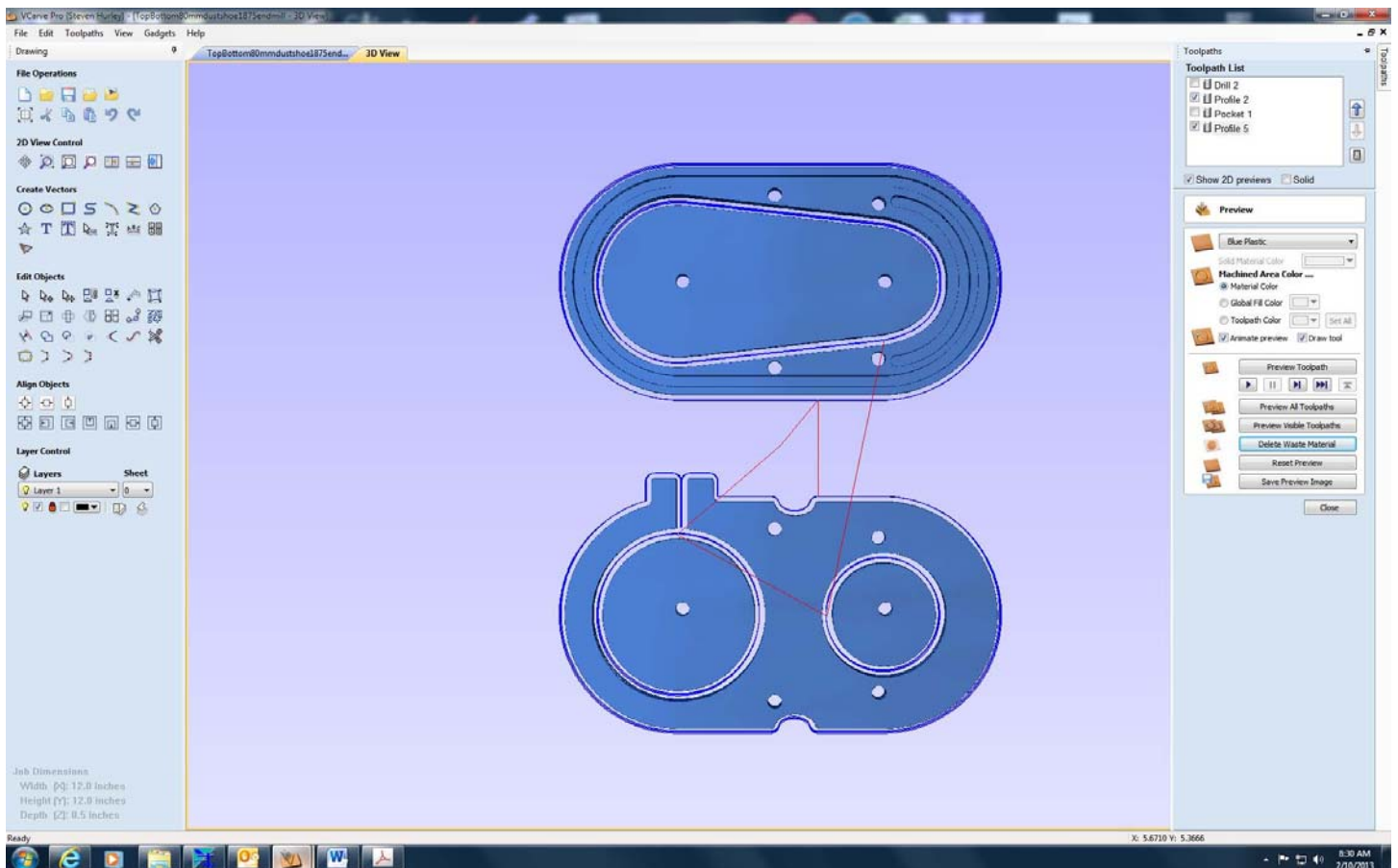
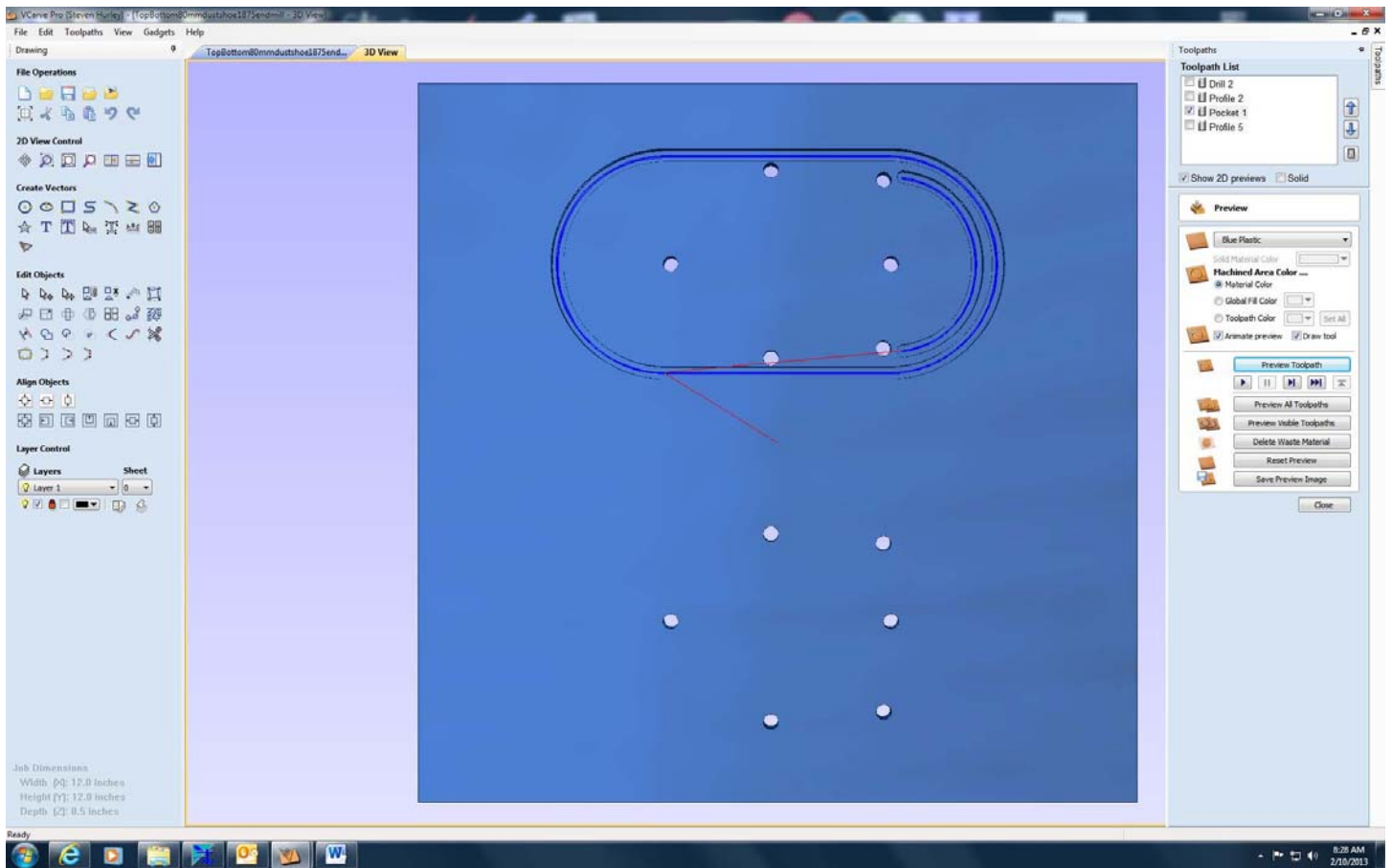


Run drilling toolpath using 1/4" cutter



Use holes just drill for additional fasteners to scrap board (use small head screws cutter comes close to holes)

Run all other toolpaths using 3/16" end mill. Misting water on bit while cutting will leave a cleaner cut



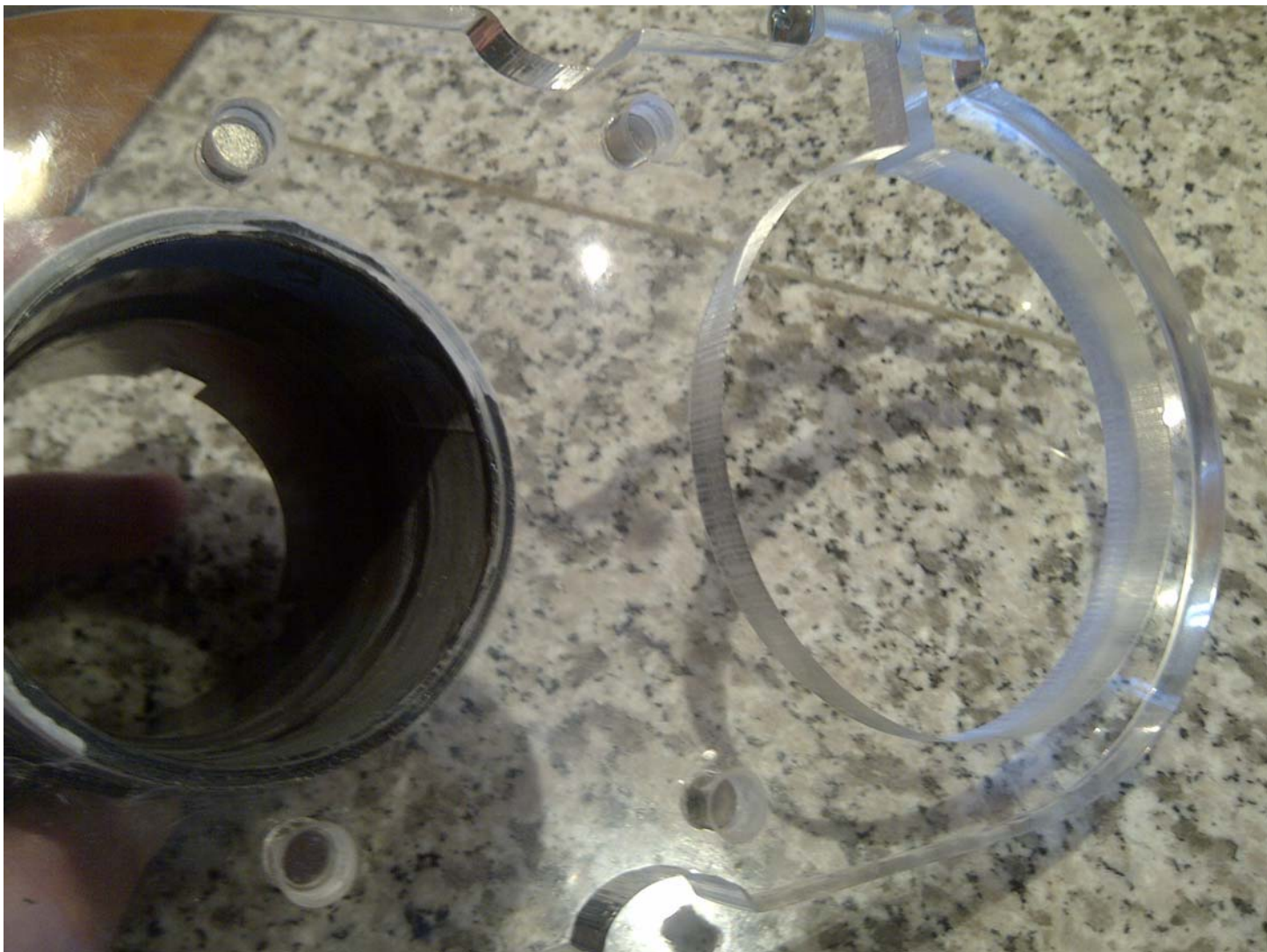
Drill 3/16 hole in drill press for clamping screw



Glue hose swivel into top and cut off excess on back side



Test fit magnets and dowels. I installed the magnets flush in the top piece and the dowels in the lower section. Check for fit. I countersunk drilled the bottom $\frac{1}{4}$ " of the top section with a $\frac{17}{64}$ " drill for easier mating of the dowel to the magnet.



Cut and glue in the brush strips (warm them up if it's really cold will help with the curve) The smaller brush can be cut down to 2" or so, or left off if you prefer.



Any questions, sphurley@verizon.net

