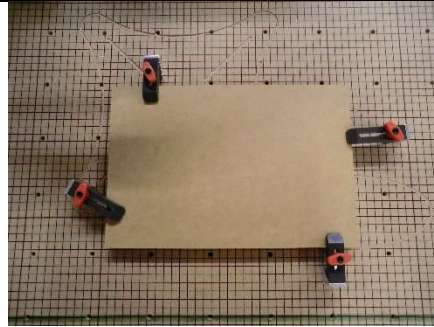


X-Carve – Checking Your Clamps

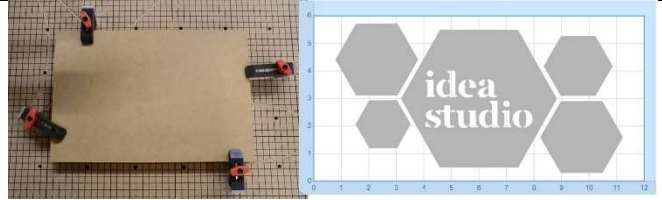
Step 1: Clamp your material

- See Technique Tutorial “X-Carve – Clamping Your Material into Position” for details.



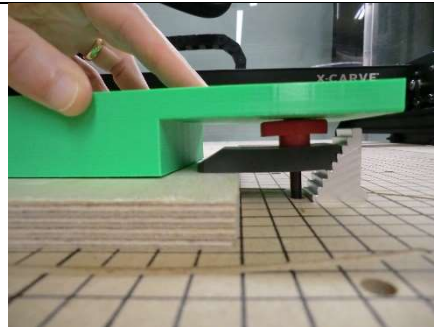
Step 2: Check that clamps are outside the cut path

- Compare your design in Easel with the location of your clamps on the material. Make sure that all clamps are in locations that are not going to be carved.
- If necessary, re-position your clamps until they are all outside of the cut path.
- In the example photo, the upper left and possibly the lower right clamps will need moved.



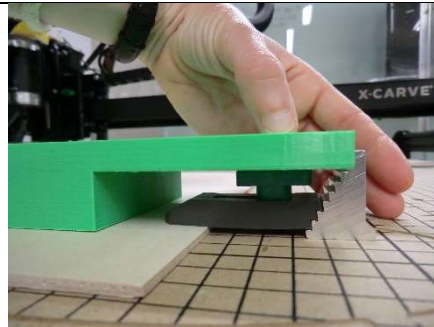
Step 3: Check that the dust shoe will clear the clamps

- Use the green X-Carve Dust Shoe Height block to see if the dust shoe will clear the clamps.
- If the block can pass over or barely touch all elements of the clamp, then you do not need any more of the steps in this tutorial. The dust shoe can be set at the height that just touches the material surface, as explained in Technique Tutorial “X-Carve – Preparing to Cut”.



Step 4: If the dust shoe will not clear the clamps...

- If, as shown in the picture, the Dust Shoe Height block indicates that the dust shoe will not clear the clamps, then the dust shoe must be set to a custom height. In that case, continue with this tutorial.



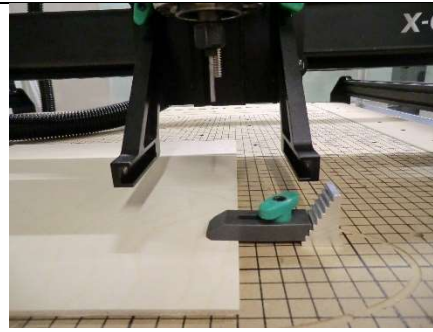
Step 5: Remove the detachable part of the dust shoe

- For better visibility in the rest of this process, slide the dust shoe out and set it out of the way.



Step 6: Jog the router head near one of the clamps

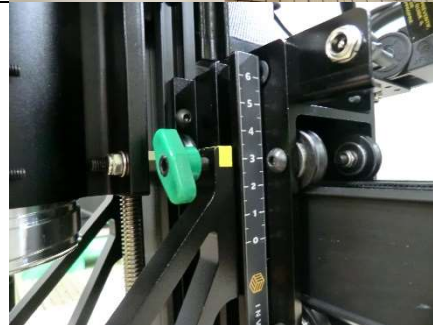
- Using the controls in Easel, jog the router head over until one of the dust shoe rails is near one of the clamps.

**Step 7: Move the dust shoe rail up until it will clear the clamp**

- Using the green screws to loosen the dust shoe rail closest to the clamp, move that rail up until the lowest part of the rail will clear all the elements of the clamp.
- Tighten the green screw.

**Step 8: Move the other rail up to match**

- Use the ruler decal on the side of the dust shoe rail track to determine the height of the rail you just set.
- Use the ruler decal on the other side to set that dust shoe rail to the same height.

**Step 9: Double-check**

- Use the controls in Easel to move the router head around to be absolutely sure that nothing is going to collide with a clamp as the router moves about.

