



Clear cover modification

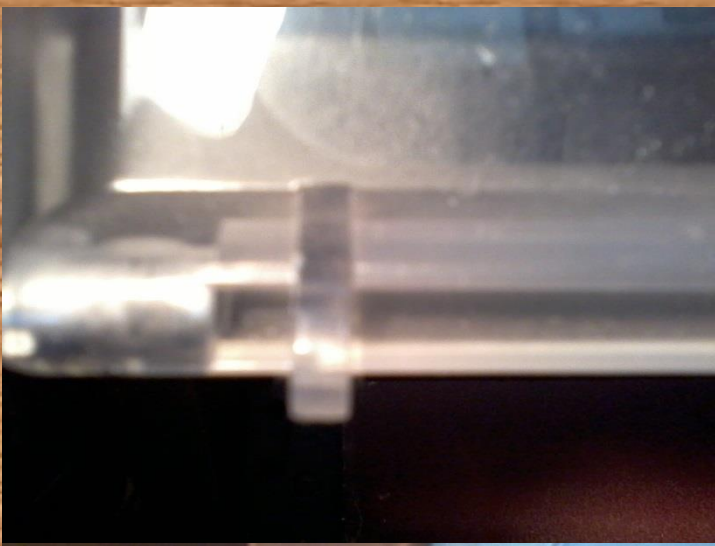
NOTE: This product requires modification of the clear cover. After modification, do not operate the CarveWright/CompuCarve machine without the DC Insert installed, or without an unmodified cover.

NOTE: disabling or modifying any safety features on your CarveWright/CompuCarve is not endorsed by LHR Technologies, Inc.

I was also asked to look at how to NOT CUT THE CLEAR COVER and still use the insert. Some are reluctant to modify the cover so I've been told. Looking at how the cover tabs match up to the switches it looks like a very simple solution. By adding (taping or gluing) a thin shim to the leading edge of the tab (long flat area of the tab that pushes against the switch plunger) it will make the contact for the switch and hold the cover off of the insert. The plunger on the switch extends just enough out of the cover frame so that when the cover is closed the tab pushes the plunger in. The length of the tab is more than the area of the plunger so that the tab in fact rests against cover frame. The shim does not need to be very thick, what I used as a test was a small piece of 3/16" dowel to give you an idea of the thickness.



I flattend one side of the dowel a small amount to better fit the tab on the cover.



Install the DC-Insert into the CW. (see [Installation Procedure below](#))

Mark a line on each side of the frame 1/16" to 1/8" above the top of the DC-Insert



I marked the lines on the top side of the ruler. This will give the needed clearance so that the clear cover does not rest on the insert. Also mark the cover at each side of the insert. I used masking tape to mark the lines as it is easier to see the mark line with the tape on the black surface.



Remove the DC-Insert and close the door. With a straight edge or ruler transfer the marks to the door.



The door can easily be cut to size with a dremel/rotary tool with a cut off wheel.

Make sure you support the door and cover the inside of the CW.

I clamped the ruler to the cover to give a better edge to follow with the dremel too. File or sand down the cut off edge of the door to remove any burrs.





Installation Procedure

Install the insert into the CW, insure the lip on the front of the insert slides over the bottom rail of the frame above the compression roller. Pull back and lower the insert to insure it is in place.

Install and tighten the TWO 4 MM screws to hold the insert in place.

To check for proper installation, lightly lift up on the insert to make sure it does not move.

With the power off on the CW/CC move the Z-Truck back and forth and raise/lower the cutting head to insure it does not come in contact with the front of the insert.



View of
clearance to
cutting head.
Approx. 3/8"



For hooking up to your dust collections system I recommend using the lightweight aluminum dryer vent hose.

A GOOD GROUNDING SYSTEM SHOULD BE INSTALLED WITH YOUR DUST COLLECTION SYSTEM AS STANDARD PRACTICE TO INSURE STATIC ELECTRICITY DOES NOT OCCUR.

If you have any questions please feel free to contact me at any time.