

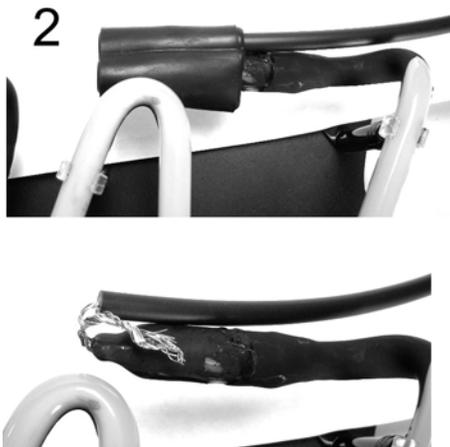
## Unplug your sign!

Glass neon tubes are extremely fragile and you must treat them as such. Pretend you are holding a full glass of water in which you cannot spill a drop and you will be OK.

Grab your neon sign and place it face down on a table or work bench or even the floor is fine.

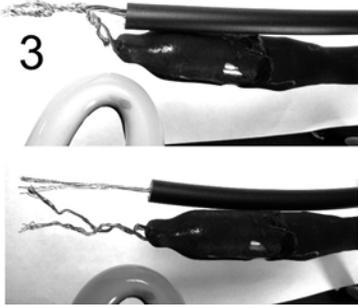


You just want to make sure its flat for a stable work area. You will see on each end of your broken piece a rubber end cap. The end cap basically slips over the ends of the electrode where the wires are wrapped together.



Be careful when removing these end caps. If you need to, feel free to use an Exact O knife or box cutter to cut the end caps off. Usually they will pull off easy enough with firm twisting motion. (You can also use a hair dryer to heat the rubber and then slide the cap off.)

Once the end caps are off, you will be able to see where the GTO wire is wrapped around the wires coming from the end of the electrode which connects to the glass tubing. You simply need to untwist the wires (just like untwisting a bread tie) apart,



repeat on the other side and be careful as to not break anything else on your sign.

Once you have the end caps removed and wires untwisted from each other on both ends of the break, you are ready to remove the tube from the clips.

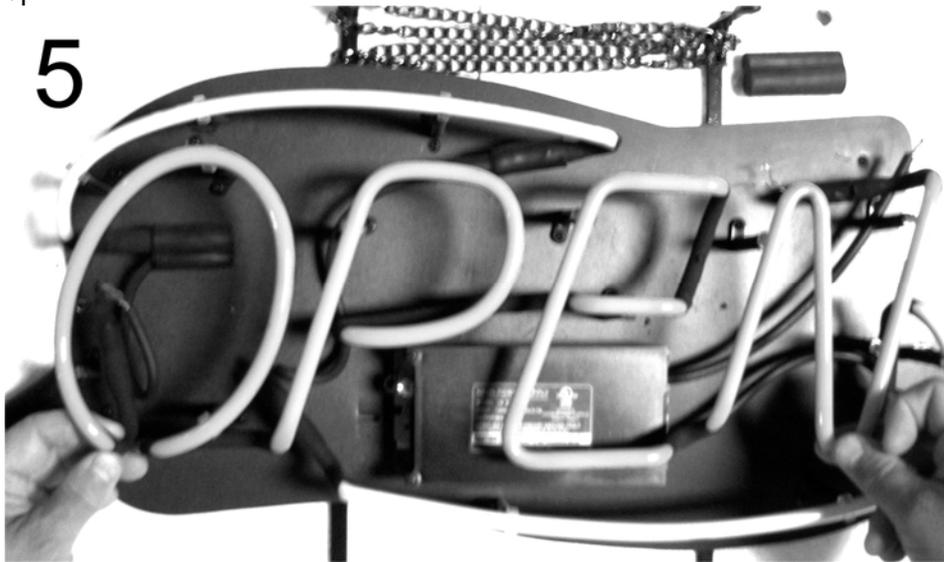


All pieces of neon glass are mounted onto neon tube supports. They are usually spring loaded and have a little clip at the top. The glass itself snaps into the top of the clips. These tube supports provide stability for the actual glass and allows it to be mounted to a backing. When looking at your broken piece of glass, you may have upwards of 3-12 clips on each major piece of neon glass that you will need to gently push clip down while holding the glass firmly in place. Do not pull the tube up always push the clip down when removing.

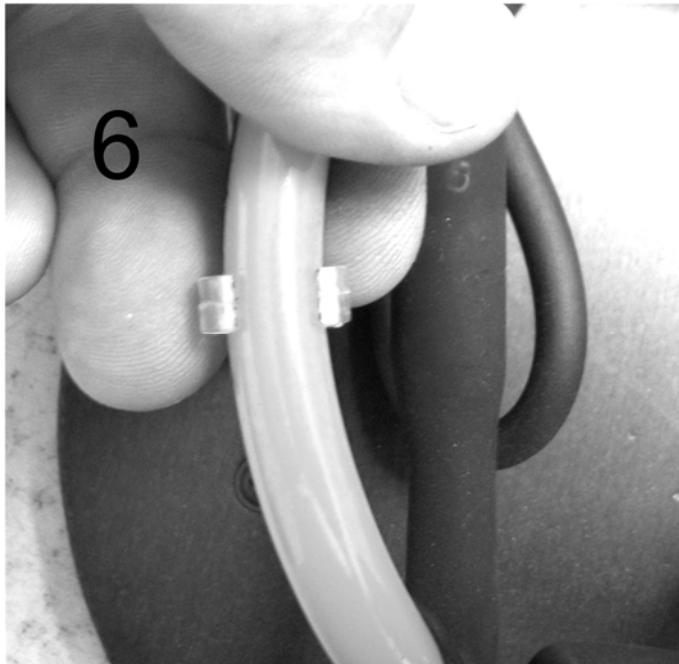
Now that you have popped the glass upwards from the clips, the broken piece should easily be removed and discarded.

We are in the final stages now...

Gently pick up the replacement piece and lay it on top of the clips to line everything up



and then hold the tube firmly with your thumbs and gently pull clip over the tubing.



If the clips had thin wire attached to them you will not need to replace this wire. If you had to cut your end caps off use the replacement caps that came with your part.

Twist the wires back together and replace the rubber caps

Ok, now test time. Plug your sign in and see if it glows.