

SCARY TERRY'S HALLOWEEN PAGES

<http://www.scary-terry.com/ggshooter/ggshooter.htm>

HOT GLUE GUN WEB SHOOTER



So, you want to make some spider webs to "dress-up" your latest Halloween project. Well, here's one way to do it using a hot glue gun and some inexpensive plumbing parts. (Oh yeah, it also requires a source of compressed air for operation.)



It shoots fine strands of hot glue, that look very much like spider webs, onto your tombstones, skeleton or whatever you want. It can be made for under \$25, is easy to use and works quite well. This design has been tested as a monthly project (Feb. 2006) for our CalHauntS prop building group. Seventeen people built their own and each one worked very well.

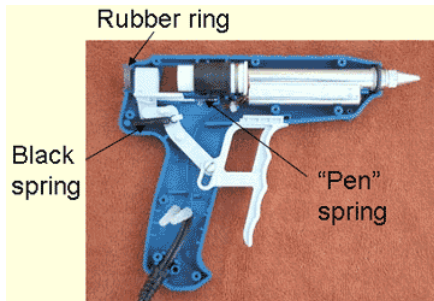


Here are the parts you'll need to build this shooter. Sources, part numbers and prices are listed at the end of this how-to. (You can click on any of the pictures for a larger image).

- Surebonder 80 watt glue gun
- 12" piece of 3/16" OD copper tubing
- 3/16" compression fitting to 1/8" pipe fitting
- 1/8" to 1/4" brass bushing
- Ball valve with 1/4" female threads
- Air fitting, 1/4" male
- Teflon tape

Tools needed:

- #1 Phillips screw driver
- Needle nose pliers
- Regular pliers
- Tubing cutter
- Drill with 1/4" & 13/32" bits
- Wrenches



We'll start by opening the case. Remove all the screws that hold the case together and also remove the "hot" warning label on top of the case. Set this label aside to reapply later.

Take out the rubber ring and "pen" spring. Store them safely for later reassembly.

Remove the black spring from the blue post only.



Remove trigger mechanism.



Remove heater and cord



Using pliers, break off the posts indicated by the arrows above to accommodate the copper air tube.



Temporarily position the two halves of the glue gun case back together and drill a 1/4" hole in the front of the case as shown above. Axis of the hole should be parallel to the top of the case.



Drill a 13/32" hole in the bottom of the handle as shown above. It needs to be centered just aft of the ridgeline on the handle.

Obtained from Ormershaurl.com



You'll need to bend the copper tube into the shape shown left. Copper tubing is easy to bend, it's important not to do too tight of a bend or bend it too quickly as it might kink the tube which cannot be undone.

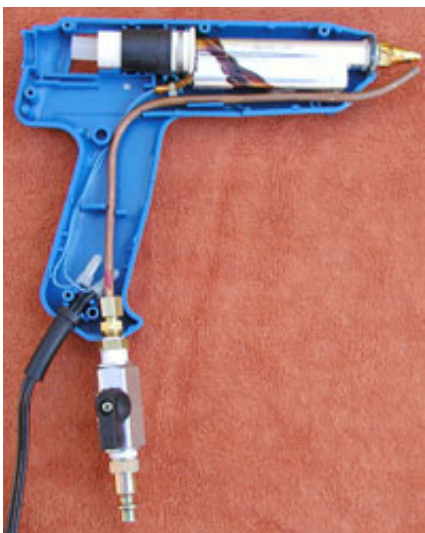
There is a page at the end with a full sized image of the bent tube. You can print this out to act as a template for bending your tube. When printing, be sure "Page Scaling" is set to "None" so the size of the 8 1/2" x 11" image is not reduced to accommodate printer margins.



Install compression fitting onto the "supply" end of the copper tube. The supply end is the lower left end in the full tubing picture above.



Assemble fittings in the order shown above. Use Teflon tape on all the joints. Tighten securely.

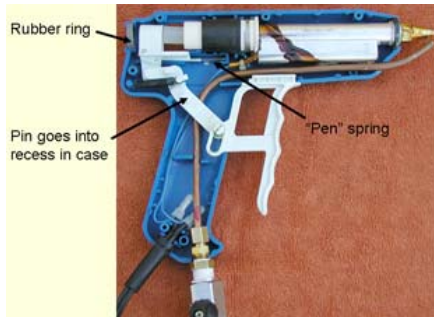


Install tubing assembly into gun as shown left. Note that your tubing will be longer at the front of the gun than the picture shows.

Mark your tubing then remove and cut so that the tubing/glue gun nozzle relationship is similar to that shown below.

Replace tubing into gun





Reinstall trigger mechanism. Glue feed and trigger fit into slots in the case. Pin on arm that connects trigger and feed goes into recess in case.

Hook the black spring onto the solid blue post (not the post with the hole).

Reinstall "pen" spring.

Reinstall rubber ring.



Reinstall the case cover. You may need to move the trigger assemble a little to get all the parts to align properly. Things should fit well without having to force anything together.

Reinstall all the screws except for the three where the posts were removed.

Reinstall the "hot" warning sticker.

Go shoot some webs!!

The glue gun takes about five minutes to warm up. When trying it out for the first time, you may need to bend the air tip slightly to obtain the best results.

We run the air pressure at about 70 psi and vary the flow with the ball valve. We find that the shooter works over a broad range of air flow.

The gun will shoot about one or two sticks of glue before you need to pause briefly to let it reheat.

Parts Info: Here are the specific parts we used for building these guns:

Part	Vendor	Vendor #	Price
Surebonder 80 watt glue gun*	Northern Tool	55900	\$12.99
Brass Compression Adapter	Plumbing Supply **	3/16 x 1/8 MIPS	\$0.76
Brass Bushing	Plumbing Supply	1/4 x 1/8	\$0.98
Copper Tubing (1 foot)	Plumbing Supply	3/16 OD	\$0.70
Ball Valve Female-Female	Grainger	6GD45	\$3.72
Air Fitting-1/4" Male	Grainger	2X169	\$1.10
Teflon tape	Lowe's		\$0.70

*Another source for the Surebonder 80 watt glue gun is Michaels. They go for \$17, but with the weekly 40% off coupon, they're around \$11.

**This Plumbing Supply place is fantastic!! Very customer service oriented and good prices.

Obtained from
Omarshauntedtrail.com