

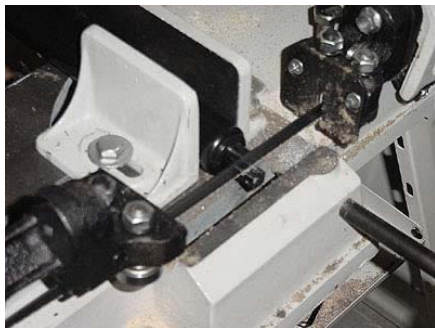


<http://www.morbidmanor.com/Haunt/situp/>



This is the closer I use. Seems pretty typical. This one is a Stanley. I bought a whole box of them at a really good price.

I need to cut off the tail so that it doesn't interfere with the fitting I'll be installing.



Cutting off the tail flush with the housing around the bleeder adjustment screw.



I found I did not need to tap the hole. The threads cut their way into the relatively soft aluminum housing.

The fitting that I use has an 1/8" NPT (National Pipe Thread) on the end that goes into the cylinder.

Depending on the fitting, it may bottom out before the threads can really take hold. If this is the case you will need to drill out the hole.

I found you can't drill open the hole all at once. You need to step drill until it is big enough.



If you try to use a large bit you'll just tear up the end of the closer. I started with a bit that was just slightly larger than the bleeder hole and worked up to drill size "R". Then I ran the 1/8"NPT tap through it.

Before drilling I extended and locked the closer in place with the little flap that came in the package. (the thing you would normally use to hold the door open)



After drilling I knocked and blew the shavings out of the cylinder before allowing it to close.

Starting to screw fitting into cylinder. Loc-tite can be used to ensure that it doesn't come out.

This particular fitting is for 1/8" tubing however, the one below is for 1/4" tubing.



Here it is mounted. The tubing just pushes into the end of the fitting. Just cut it to length and push it in. Depending on material and manufacturer, these fittings will cost between \$1.00 and \$2.50. They are also available with a 90 degree elbow and other configurations. (costs more)

The 1/4" tubing costs about 40 cents a foot and comes in various colors including black.



The tan box to the left of the skeleton's head is the PLC I am using to continuously cycle (stress test) this guy.

Over 600 activations at 40psi and still going strong.



The black thing with all of the gold colored nubbins is a bank of 11 solenoid valves. I am only using 1 of the valves to control this prop. I bought these valves for \$45 ten years ago. C&H still sells them but the price has gone up a

In a haunt, I would probably use a 24 volt 3 way 40 PSI solenoid like Herbach sells for \$6.50

There are also some air cylinders on the bench behind him. I'm such a scrounge.

Obtained from  
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