

I broke my blue 350.00 rolled tube straghtener and needed one fast. So I went and built one for about 30.00 bucks that did the same thing and I was able to keep the rest of the cash for the car. I thought i'd pass it on so here goes!

What you need is as follows;

A couple pieces or one you can cut of 1.5 x 1.5 inch angle iron about a foot long.

5 -screen door rollers 1.5 inch, they come in steel and plastic. I'm doing stainless so I went with steel. Make sure you get the ones that are ball bearing and not solid.

5 -1/4 - 20 machine screws

5 -lock washers and 5 hex nuts

3 - 2.5 inch bolts (whatever you have around) and the 2 lock washers and nuts or lock nuts to go with it.

Place the two 1ft pieces of angle in the vice and mark them across the surface side to side every 2 inches as on the pic.

Mark the rollers from the center of the bolt hole to the inner most area of the roller where the tube sits. Your going to want that to be at the edge of the inside of the angle iron where you will squish them together. You cant really blow this unless you get them to far apart. If they are to close when your done you can space them out with washers. I like to make them a bit close myself. You'll see where my marks are on the rollers. Note there just sitting there and not in the correct location in this pic.



After you have the rollers spaced out and layed out correctly center punch the roller holes and drill the holes.

After they have been drilled out correctly use your countersink or an oversized drill bit to countersink the heads of the roller bolts so they will fit in the vice flat. Be sure to counter sink the correct side. See pictures.

Now move on to the other side of the angle iron that fits into the vice and drill your 2 holes. (When you lay them out, make sure you take into account the vice or clamping surface you will be clamping it into so that you get a solid flat surface and your new bolts wont get in the way.)

Now put your new line straightener together and test fit your complete unit. I used 3 washers on the clamping bolts to space the two parts out to get the right fit. Space to your own specifications.



Now its time to Paint the part whatever color you feel. I like good ole' Dupli Color Engine Enamel Black.

Now you can straighten any type of brake line, fuel line etc. Just space out the two angle iron pieces and if need be step the roller size up to accomodate larger tube.



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