

Installing your new Roller.

You will need to source 3" EMT for the outer pipe I get it through Platt Electric. (Don't forget to drill drain holes as we discussed at the end of the install 2" in from the end of the pipe)

1/2" Black Iron pipe is used for the axle and is available at any plumbing store or big box like Home depot.

The Bracket Template is used to Plasma or waterjet cut 1/4" steel plate for the brackets.

Once the Brackets are welded to the trailer, cut the axle to a length of outside of bracket (OB) OB to OB + 1.5in= axle length. Drill 1/4" holes in the axle about 1/4" in from the end for the lynch pins. Then slide the end bushings on the axle the install the axle in to brackets You will see the bushings have a small lip on the outer 1/4" that acts at a stop when you install the bushing into the outer pipe. Slide the bushing out to the bracket and measure from the between the stop on the bushings to determine the outer pipe length. A little short won't hurt but too long WILL NOT WORK. Now you will install the bushings in to the outer Pipe. Position the pipe against a surface and use a piece of wood on the bottom end so you don't deform the pipe. Now you will need to use a Dead Blow hammer, available at Harbor Freight, to pound the bushing in to the pipe. Now turn the pipe and repeat. The last step is to install your new roller in to the brackets. You will need a long screw driver or metal rod. Push the axle in to the bushing from one end till it stops. Now pull back on the axle about 8". Slide the screw driver in the opposite bushing and advance in to the center of the axle. Now have Donna push the axle toward you and guide the axle through the end bushing and bracket.