

Rotisserie Build

by John Rowland

AKA Scooperman on MM

Called a few metal suppliers in the area and asked about pipe, found a local supplier who would deliver C.O.D. for a minimum purchase of \$150. So I bought two 21' sticks of 2" and one stick of 2 1/2" schedule 40 pipe, total about \$225 delivered. Bought four Harbor Freight casters, noticed the hole pattern in the casters looked good for 3 inch exhaust pipe clamps, which is close to the O.D. of 2 1/2" pipe, so I got eight 3" muffler clamps.

Used a cutoff saw to cut the 2 1/2" pipe to make two 5' long pieces for the end horizontals, plus six 10" pieces, plus two 3' vertical pieces. Then change the cutoff saw to 31 degrees and V-cut the ends of the verticals, so the verticals can be welded to the horizontals and the end pipes. I liked how the muffler clamp saddles fit on the pipe, so I welded the saddles to the horizontals. Once welded, these saddles made nice flat feet, so the horizontal pipe sit nice and steady while welding the verticals to it. Each of the 10" end pipes was drilled at 90 deg angles with a 9/16" bit, and then got two 1/2" UNC nuts welded over each hole. After the horizontals and verticals were welded, I set them up about 15' apart and set one of the long 2" pipes on top, this holds the two 10" top end pipes in place while welding them, keeps them aligned.

In this design, we chose to just put one connecting tube between the end stands, it goes under the horizontals, close to the ground. Our idea is that it will be out of the way while working on the car body. The end pipes for this tube get welded under the horizontals. The tradeoff for the better access is that there is less ground clearance, I am sure I will cuss about it when I load it all into the trailer for a trip to the blaster/welder/painter.

I cut my connecting tubes to a bit over 13' long, longer than I need for a Mini but enough that I can use it for an Elf.

Just finished building the rotisserie today, some parts in the photos haven't got any paint yet. For now I just have bolts threaded in the nuts, later I will make some T handles and weld them to the bolt heads.

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