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Subject: Re: Three 4Pi's in Basic Black for Home Theater Build Thread

Posted by [BigmouthinDC](#) on Mon, 02 Aug 2010 21:25:11 GMT

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Progress has been slow, not for complexity only a time allocation issue.

So I decided to go with a two layer front baffle consisting of 3/4 MDF and 1/2 MDF. Using the 1/2 inch MDF as an easy method of flush mounting the woofer and horn. I also decided to use Green Glue dampening goo between the layers. The baffle turned out to be remarkably quiet once assembled.

I originally planned to use the leftover 1/2 scraps to make the ports but once I had them glued up I didn't like how they responded to a knuckle test so I glued up some 3/4 versions and they sounded better.

Here is the front baffles and ports glued up. When the sides are all glued up I will be removing those screws and washers you see in the picture. I used the washers to keep the 1 1/4 inch screws from going through the front.

Next, item is the horn isn't quite 1/2 so I cut some gaskets out of some rubber foam I had sitting around.

Then test fitted everything. When I screw the horn in it will flatten the gaskets a bit and sit flush.

I will probably cut a little more out of the woofer recess.

Couple of questions. I'm planning on rounding over the cabinet edges but what about that port opening? can I take a little off?

On mounting the woofer I've used putty caulk in the past to seal woofers yet make them removable for service and did note that you mentioned shower liner in another thread, any other thoughts? Guess I could cut some more gaskets out of the foam rubber. I've got some 10-24 T-nuts and bolts for the mechanical attachment.