Subject: Mid-horn flare; how critical are the dimensions?
Posted by DavidK on Tue, 08 Apr 2008 20:06:13 GMT
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Hi,Decided to give the 7 Pi a shot and started with the Mid-Horn section. Now due to some poor cutting on my part I've ended up with the mouth of the flare being undersized. I've got 23 and 5/8's by 11 and 3/4's. The other dimension that has ended up under size is the edge of the flare to throat on the side panels 14" instead of 14 and 1/2. Throat size is correct as is the throat to flare distance of the top and bottom panels. So have I wasted a day making some oblong pyramids, or can I go ahead and use these? Any likely problems. I have to say they were a real pain to put together and I don't really want to scrap them and start over if they are usable.Dave

Subject: Re: Mid-horn flare; how critical are the dimensions?
Posted by Wayne Parham on Tue, 08 Apr 2008 22:21:43 GMT
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Even though it is a large horn, it is actually undersized at the lowest frequencies and benefits from corner placement. You don't want to make it any smaller if you can help it. I suggest adding trim to the front of the cabinet that extends the mouth. We add hardwood trim to our midhorn cabinets for aesthetics, and it actually extends the mouth a little bit. See the photo below, you'll notice the trim added to the front of the horn, forming the mouth edge. We bevel the trim to match the flare angle. You could also radius the edge to soften it if you wanted.

Subject: Re: Mid-horn flare; how critical are the dimensions?
Posted by Chris R on Wed, 09 Apr 2008 00:52:09 GMT
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"Even though it is a large horn, it is actually undersized"I'm sure my wife would disagree with this statement, and no I'm not trading her in for one that would agree with it.

Subject: Re: Mid-horn flare; how critical are the dimensions?
Posted by DavidK on Wed, 09 Apr 2008 02:42:31 GMT
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Thanks, I'll do just that - guess I should have stumped up for the flare kit, would have saved lots of effort.Dave.

Subject: Re: Mid-horn flare; how critical are the dimensions?
Posted by Wayne Parham on Wed, 09 Apr 2008 04:43:03 GMT
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