Subject: Re: 4 Pi Home Theater Build
Posted by Wayne Parham on Wed, 01 Jun 2011 02:56:24 GMT
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Glad they're coming along nicely and sorry about the horn dimensions. I've had to do that on a few horns too. It's very frustrating, because some slip right in, and others don't. Most that don't fit are just a smidge too large but it's still annoying.

I think the biggest problem though, isn't the slight variance between parts. It's the fact that the dimensions published by Eminence are way off. Eminence says hole cutout should be 10.3" x 4.9", but that's way bigger than needed and leaves a frustratingly narrow mounting lip. So our plans show 9.5" x 4.75", which gives a much better fit.

Likewise, Eminence says the overall dimensions are 11.4" x 6.5" but the dimensions are more like 11.625" x 6.5" to 11.7" x 6.6". Those dimensions will work 99% of the time, but occasionally, they'll send out a horn with a lip even larger than that.

The last pair of speakers I built that gave me this trouble had a very expensive veneer that I didn't want to risk damaging so I shaved the edge of the horn down to fit. It was actually a very easy fix, and I think is my preferred method of dealing with the occasional oversized part.