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Subject: Horn Throat Geometry

Posted by [Spinjack](#) on Tue, 11 Oct 2005 16:07:33 GMT

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K, so I was thinking about the construction of the mid-horn of the 7-pi. This may be on the plans, but since I don't have them in front of me...what should the geometry be of the woofer facing edge of the throat? Should the panels be left square where they point toward the driver so that there is actually an angle facing the driver or should the panel edges be cut at an angle such that the edge of the panel pointing to the driver is parallel with the plane of the driver? Also, is the driver allowed to fire into the triangular spaces between the horn panels and the enclosure panels? Last, should the panel into which the driver is mounted be solid, isolating the front and rear chambers, or vented, linking the front and rear chambers? The rear chamber would be sealed in this case.

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Subject: Re: Horn Throat Geometry

Posted by [Wayne Parham](#) on Wed, 12 Oct 2005 02:58:27 GMT

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Leave the edges square. The cutout of the throat plate adds a couple cubic inches of front chamber volume. Use the full area behind the driver as rear chamber space, so don't close off the flared areas with the mounting plate. Use wedge shaped braces on the top, bottom and sides to make the panel solid.