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Subject: Pi 10 build idea

Posted by [Larry Acklin](#) on Mon, 24 Feb 2003 12:09:08 GMT

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OK, thanks to Wayne I have the plans for Pi 10 horns. I am into PA, and the "road horn" variant looks good. Reading the posts, I see that bracing the horn "slopes" and filling the back chambers with foam is essential. I also saw a post saying it is possible to leave the backs off the horn boxes- eliminating the resonant areas. Since I don't have a truck, the following idea came to me- why not build the horn pieces in take-apart form? Build the sides with raised battens (3/4 by 3/4) all around the slope part and bottom piece, to form a "raised dado", build the horn slope normally, to fit into the dados (no glue), with 2by4 bracing on the slope piece, (no back), then use 2by2 spreader pieces across the front top and back top. Use allthread to pull everything tight. Now the whole horn box comes apart for transport as flat sheets, then can be assembled on site. I can easily put all that stuff on top of the Jeep, and put the woofer boxes and Mid horns inside the car. Any thoughts??-Larry

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Subject: Re: Pi 10 build idea

Posted by [Wayne Parham](#) on Mon, 24 Feb 2003 16:57:26 GMT

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I like the idea of a horn that can be disassembled, but the problem is always how to make such a device that won't rattle and buzz when being used. There is a lot of power generated by these things, and even the solid model is tough make buzz-free. Any large format bass or midbass horn is going to vibrate its panels with great force. So just be sure to brace them well, use clamps that won't buzz and put rubber gaskets between each section.