Posted by Wayne Parham on Tue, 09 Nov 2004 04:38:45 GMT
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These horns are still conceptual, and I have some issues to deal with. But I am committed to doing them because I am confident they'll provide performance improvements over existing designs. The folding pattern I've chosen for illustration is actually a pretty common "W" fold. It was easiest to show what I was talking about with this picture, but I'm not necessarily set on using it. One benefit is that if I duct cooling air to the outside, the motor chamber is at the rear of the cabinet so the ducts can be easily run to the rear. But I could also use a "Z" fold or a spiral.The main thing I'm sure of is that the push-pull plenum decreases distortion and that fresh, cool air to the voice coils will do a better job of keeping 'em cool than trapped air in a very small rear chamber. Now I have to do some exploration to find the best ways to exploit these improvements.