Subject: Re: Very interesting article/experiments
Posted by Wayne Parham on Fri, 26 Nov 2004 02:30:44 GMT
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There are several ways you can setup the system that will work well, but thre are several others that won't. One that I've had success with is using a third-order on the tweeter and the mechanical rolloff of the midhorn. There's also a small inductor on the midhorn that nudges it a bit, but it's only there to attenuate output from breakup modes. It doesn't add anything as far as rolloff slope is concerned.Midhorn implementationWith this arrangement, I am able to use the

reverse polarity. Between the crossover phase angles and the depth of the horns, it allows me to position the horns so that their mouths are flush. This configuration provides increased power handling and dynamic range and also reduced comb filtering anomalies by way of decreased overlap. To me, it is the most attractive solution, both aesthetically and acoustically.