Subject: Re: Subwoofer project update
Posted by Wayne Parham on Thu, 01 Apr 2004 00:58:19 GMT
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You may be right about the vent size. But my concern would be with the possibility of air-compression non-linearity distortion at high excursions. What we gain from improving AC flux symmetry might be lost in pneumatic asymmetry. I could see how it might make pressures exceeding 2 atmospheres within the vent, and then since the opposite motion cannot go lower than 0 atmospheres, we'd have asymmetry around the 1 atmosphere centerline.That's all academic from my perspective though, a mental excercise, just for fun. I guess the real test would be to build the driver with a 0.75" vent and measure it to see. I'm confident that Eminence is able to assess the problem and come at it squarely. They've got the means and the research tools at their disposal to verify whether the port size is a problem or not, and if so, to provide a different solution.