Subject: Breaking them in
Posted by Larry Acklin on Wed, 18 Feb 2004 14:22:45 GMT
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-So I got in a couple of Selenium D205TI drivers and PE 270-099 horn lenses, to be used in the 4 PI "trap" enclosure project. I hooked up one with a 1100 Hz 12 db/octave crossover, using one of the stereo speakers as the bottom. Put in 3 CD's, with a wide range of female voices, set on random play, and sat back. Impressions- I was initally horrified at the quality- a HUGE peak at about 3.5-4 Khz, very "shouty", and difficult to listen to. Over the next three hours, both I and my wife noted that the response smoothed out to a huge degree. The difference was so apparent, even my wife(who is not blessed with "golden ears") was agreeing. The upper registers, the sibilants, the hissss of the cymbals, all opened up, and the response peak at 4K disappeared.Loud? Yea. We got it... 75W RMS when crossed over at 2kHZ or above.On the horn I used, it was about 6 db more than I needed , so I was listening mostly to the horn- but I did have the 6DB/octave top end compensation in the crossover (an EV professional piece)Overall, for about $58.00, a good value.I knew woofers need breakin, the tweeks claim even wire does, but I never heard a compression driver change so much in the first few hours. (course, these were new, and I buy lots of used stuff...)Larry Acklin

Subject: Re: Breaking them in
Posted by Wayne Parham on Wed, 18 Feb 2004 15:59:00 GMT
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Sounds like a fun project! But it also sounds like you may need a 10dB or 12dB compensation circuit. Most systems like this do, and that will take the 3kHz peak "shout" away.