Subject: Your port's too small in diameter
Posted by Duke on Tue, 28 Feb 2006 14:59:03 GMT
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That woofer you're using is a 12" unit with an 11 millimeter x-max, and the air velocity through the port is so high that you are getting turbulence (whistling). I would suggest either adding a second port, or replacing the 2" port with a larger diameter port, or going with a flared port. Of course if you change diameters you'll have to recalculate the length.Precision Ports' flared models have smoother airflow at the ends and so can play louder than a non-flared port of the same diameter before becoming noisy. I like them and use them. Switching to a 3" diameter flared port should help quite a bit. There's an online port length caluclator at their site which should help.Getting back to your original quesiton, lowering the tuning as you have done will change the shape of the bass response, raising the -3 dB point but lowering the -6 dB point (by how much is hard to say from here). Depending on your room, this may or may not be an improvement. Duke
high quality flared ports