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Subject: pi stagea 4 construction

Posted by [roland](#) on Mon, 06 Jun 2005 08:24:31 GMT

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Hi,I would like to have the horn in a separate box, resting on top. This would give me the possibility to 'upgrade' the HS-290 later with a nice wooden horn...yes I saw the pics in the craftsmen forum just now.Q: How much smaller can I make the box, if at all? I'd say maybe make the cabinet 2-4 inches lower...I know I have to recalculate the size of the port as well, slightly. Also, if I reshape the port, from what I have gathered, the volume is key (or really the mass of the air in the vent), right?Thanks,RolandPS. Thanks Wayne, again. A pleasure this is, business with you. Can't wait to hear these...

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Subject: Re: pi stagea 4 construction

Posted by [Wayne Parham](#) on Mon, 06 Jun 2005 18:44:52 GMT

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The tweeter displaces about 150 cubic inches. You can shrink the box that much if you want, it's about an eighth inch from each side. But the shift from 150 cubic inches is very small, and the direction is downward, which is better than upward.More important is that you shift the woofer up so that the distance between it and the tweeter is maintained. What I would suggest you do is to keep the box size the same, and use the additional room you'll gain by installing a brace from the front to back panels.

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Subject: cool, thanks - I'll see how this works out....

Posted by [roland](#) on Mon, 06 Jun 2005 19:28:04 GMT

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I will post pics once it's finished.Roland

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