
Subject: Re: 7Pi Build 2014

Posted by [Wayne Parham](#) on Mon, 06 Oct 2014 19:09:49 GMT

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JCDC wrote on Mon, 06 October 2014 14:01 I think he played them without the extra (or any?) front gaskets.

Could the driver 'bottom' in such a situation? And then affect freq resp?

The midhorn gaskets aren't needed unless output is really high. And by "high" - I mean way past the level anyone would feel comfortable listening.

If pushed that hard, then the driver is pushed past its limits. One can go past x_{max} with those drivers without damage, but the sound quality plummets. So for hifi applications, an extra gasket isn't needed.

Besides, what we're seeing is a lack of HF content. I think that's where we need to concentrate.

At first, I thought we might have some sort of midhorn panel resonance because initial reports were that voices sounded distorted. I didn't even think the crossover was suspect, because I thought we were dealing with a buzz or something like that.

But after seeing measurements, I think just the opposite. I now think the problem is the compression driver or tweeter circuit. Measurements are showing that there just isn't any tweeter output.