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Subject: Re: 7Pi Build 2014

Posted by [Wayne Parham](#) on Sun, 14 Sep 2014 15:38:02 GMT

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I can see that resistor R5a is missing, so I'd suggest putting that back. And I agree with Matt, I would check to make sure the leads from R1b and R1d are not bent, touching the trace from L1.

But to tell the truth, crossover problems usually present as missing or over-represented portions of the frequency spectrum. Examples would be too much bass or bass that's too thin, missing treble or too much. Vocals can sound too throaty or hollow. When there's something wrong with the crossover, it usually sounds like the response curve is off, because it usually is.

When people complain of distortion in a new speaker, it's most often caused by something rubbing or buzzing. So look for things that may be rubbing against the cone. Make sure the gasket isn't in contact with the cone or surround, and make sure it's sealed. No gaps. Check the wiring too, making sure the wire isn't resting on the cone, which will make a buzzing sound. And finally, make sure the back panel is secure and doesn't vibrate. See the post about Midhorn bracing. You'll probably want to do the "rubber ball brace" for the back panel.