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Subject: Re: 4 Pi Home Theater Build

Posted by [NWCgrad](#) on Wed, 18 May 2011 02:46:52 GMT

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Just pulled the trigger...it only took 2 years.

I ended up going with the JBL 2226H and B&C DE250 drivers, and the upgraded 15 gauge inductor. Decided not to go with the upgraded capacitors and resistors.

Wayne Parham wrote on Sun, 27 March 2011 23:43

Yes, the upgrades are worth it. I would upgrade in the following order, as I think these bring the greatest improvements in this order:

1. Woofer
2. Compression driver
3. Coils
4. Capacitors
5. Resistors

The upgraded woofer make a big difference, especially in midbass and midrange quality. I mean, the Omega 15 sounds nice but it just can't be compared to the JBL 2226. I think the biggest reason for this is the flux stabilization ring in the JBL woofer. It makes the motor more linear, reducing distortion and improving clarity. It also makes the speaker less fatiguing to listen to for extended periods or at high volume levels or both.

The tweeter is next. The DE250 is noticeably smoother than the PSD2002, sounding more "mellow" but at the same time still being as crisp, even more so. The stock tweeter sounds good, and I wouldn't call it harsh by any means. Some titanium drivers are, but the stock one isn't. But still, the upgraded driver is more smooth, and it's worth upgrading, in my opinion.

The stock crossover is very good, and I think crossover upgrades are mostly for bragging rights. One exception is the coils, with the larger ones having less internal resistance, which improves damping. They aren't necessary by any means, but the low cost of the upgraded coils make that a worthwhile upgrade. The resistors don't cost much either, so some people like to upgrade them as well. The capacitor upgrades are pricey, and to my ears don't buy much. But if you want the very best, the capacitors can be upgraded too.

Wife thinks I am crazy spending this much on a design I have never heard...but all the loyal owners and great feedback about Wayne out on the 'net pushed me over the ledge. I look forward to getting on with the build.

Thanks Wayne for making your designs available to the DIY community!!!

All I need now is for Bill Epstein to walk me off the ledge in regards to using contact cement to apply the veneer. Is there any particular brand I should look for in regards to the contact cement?

## File Attachments

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1) [4 Pi Order.png](#), downloaded 7837 times

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