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Subject: Re: 3 PI build

Posted by [BFP](#) on Tue, 28 Jan 2014 23:08:01 GMT

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Got all the braces and the bottom of the speaker volume installed. Putting the bracing in really stiffens the panels. You can hear the difference when you do a knuckle rap test on the sides. The resonance of the panels is much higher in frequency after they are braced.

In addition to the shelf braces I also glued in stick bracing vertically on the sides as well as across the top and bottom.

A few posts back Bill asked how I was going to hold the crossover board from vibrating. The rear is securely fastened to the cabinet back. I could put T nuts in the front of the board and bolt it down from the underneath. This would be awkward for removing the board. I decided to hold it down in the front using some spring steel clips I had in my junk box. They fit under a cleat attached to the back side of the baffle and hold the board down onto the bottom of the box. This should do the trick. If not I can always bolt them down.

Heres the clips mounted on the front side of one of the boards.

Here is the board up against the cleat before seating it . The cleat has a 30degree slope on the bottom to help ease seating the board.

And here it is seated. The amount of force needed to seat the board is not that great but definitely holds it securely to the bottom of the box.

Next up will be putting he backs on the boxes.

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### File Attachments

- 1) [DSCF9604.jpg](#), downloaded 5376 times
  - 2) [DSCF9601.jpg](#), downloaded 5357 times
  - 3) [DSCF9602.jpg](#), downloaded 5370 times
  - 4) [DSCF9603.jpg](#), downloaded 5325 times
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