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Subject: Wayne-Now you've seen and heard.....  
Posted by [AP](#) on Tue, 25 Jun 2002 11:50:27 GMT  
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What's your honest opinion?For anyone else reading, follow like to what I'm talking about.

Porsche 944 sub....

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Subject: Re: Wayne-Now you've seen and heard.....  
Posted by [Edwin](#) on Tue, 25 Jun 2002 12:03:20 GMT  
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Hi to all,Now that we are on the subject of subs, any recommendation for a good, realistically priced, subwoofer for the Studio 2Pi to be used in a 10 ft X 8 ft room?Thanks,Edwin

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Subject: Re: Wayne-Now you've seen and heard.....  
Posted by [Adam](#) on Tue, 25 Jun 2002 13:24:10 GMT  
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Way too expensive. With a little deft and skill, you could build something like that yourself no problem for a fifth of that cost. Also, he's using the lowest end rockford and JL drivers.Adam

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Subject: Re: Wayne-Now you've seen and heard.....  
Posted by [Scott](#) on Tue, 25 Jun 2002 13:47:02 GMT  
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Umm....you're only seeing the top. Wayne has seen the rest. There's more to it than the pics suggest.

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Subject: Re: Wayne-Now you've seen and heard.....  
Posted by [Adam](#) on Tue, 25 Jun 2002 16:22:55 GMT

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Well I imagine there is some fibreglass work to it down below. That is more difficult to do but still very doable by a DIY'er. Adam

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Subject: Re: Wayne-Now you've seen and heard.....

Posted by [Scott](#) on Tue, 25 Jun 2002 17:03:33 GMT

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It's definitely doable, but not as easy as it looks. The spot you see in the pictures is a cubby hold in the back of the Porsche 944. It's kinda egg shaped as the outside wall is actually the rear fender. Inside the cubby is a side marker light assembly. The box kinda bends around the side marker and conforms to the hold. Actually, it's all wood. I tried fiberglass but it's a mess to work with.

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Subject: Re: Wayne-Now you've seen and heard.....

Posted by [Adam](#) on Tue, 25 Jun 2002 17:42:50 GMT

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All wood? That's pretty impressive. I still wouldn't pay that money for it personally, I guess that's just cuz I've done fiberglass and complex box shapes and whatnot... but still pretty impressive only done with wood. And yes, fiberglass is very messy... But you gotta agree the results are worth it if done right. Adam

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Subject: Re: kits

Posted by [bmar](#) on Tue, 25 Jun 2002 21:23:28 GMT

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Parts Express. and Madisound both offer kits.

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Subject: Better than Blaupunkt!

Posted by [Wayne Parham](#) on Wed, 26 Jun 2002 03:31:42 GMT

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Those are cool little boxes! Kelly is a nice guy, isn't he? And he's an excellent cabinet maker too. I must admit though that I agree with Adam - You'll probably be more successful if you'll lower your prices. I'd suggest fifty bucks a box; Maybe a hundred or one-twenty for a finished speaker.

form and \$170.00, completely finished. And I just can't resist - I'd still like to see you give my approach a try. Sealed boxes of a quarter cubic foot are tough to call "subwoofers". You know

The Alpha 8's that are in my speakers aren't "subs" by any stretch of the imagination, and to call them "woofers" is even pushing it. They are a full range or midrange driver and yet my little one

whatsoever. So I think you might consider using the suggestions I gave to you, and carefully choose a driver that's suitable for such an extremely small box. You'll also want to put a port in the system. You can always make a vented system smaller than a sealed system, and with your limited space - using a sealed "sub" is not really an option. If you'll take my suggestions, you'll get significantly greater performance from the same size box. Basically, what I'm telling you is that I can get you another octave lower bass, and maybe two, from the same size box. But don't get me wrong - I like what you and Kelly have done. You're definitely doing better than the old stock Blaupunkt stereo system.

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Subject: Re: Better than Blaupunkt!

Posted by [Scott](#) on Wed, 26 Jun 2002 09:32:23 GMT

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Thanks Wayne! Kelly is a great guy and we've done well together on this project. I realize porting will get me lower. I think I just always preferred the sound of sealed. I just like it better. And on pricing, you may be right. I'm not going after the DIY crowd, though. My target is the stock look, drop in crowd. Which I think will pay a bit higher price for a good solution to bass. I can make a panel that sits in the hatch all day for \$50, but it won't look stock and take up space.

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Subject: Re: Whats wrong with sealed?

Posted by [Jerry Parker](#) on Wed, 26 Jun 2002 15:56:28 GMT

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Hey Wayne! I have a question. You said its better to use vented boxes in a car? I dont understand. With the car's transfer function, you should get great bass extension with a woofer in

a reasonably sized sealed inclosure, say with a qtc of around .707. I would imagine that the Eminence Alpha's would need a vented box, since they are not designed as subwoofers and have a high FS. But for those rockford fosgate and JL woofers, they should go reasonably low in a sealed box. Now, .25 cuft may not be enough, but something around .75cuft perhaps? If he is looking for sheer output, then yes, vented would be best. Oh, Mitch and I put my 18" subwoofer in my brothers car. The really big one that we were talking about last time. It is horendously loud. I think you would like it! :-) Also, has that pair of 2pi's been built yet?

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Subject: Re: Whats wrong with sealed?

Posted by [Wayne Parham](#) on Wed, 26 Jun 2002 17:24:46 GMT

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The things I would want from a high-fidelity car subwoofer are response that conjugates cabin gain and compact size. Normally, making a subwoofer small means efficiency must be sacrificed but in this case, the cabin gain makes it possible to use an overdamped vented alignment in a relatively small box. You could also do that with a sealed box, as you've said. But with the very small space limits imposed on Scott's subwoofer - with only 0.25 cubic feet to work with - I'd probably go with a slightly overdamped vented alignment. The woofer drivers he's using work perfectly like this with the right vent, but seal the box and it becomes underdamped, exactly what you don't want in a car sub.

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Subject: Re: Whats wrong with sealed?

Posted by [Adam](#) on Wed, 26 Jun 2002 18:23:36 GMT

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Wayne, the JL and RF drivers he mentioned aren't designed to run boxes that small. Personally, I'd run them ported. I think he'll get a lot more out of the package. Adam

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Subject: Check out a PiAlign'ed Seas W18EX001

Posted by [Wayne Parham](#) on Wed, 26 Jun 2002 20:13:21 GMT

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For the same size box, check out the thread above about the Seas W18EX001

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