Subject: Re: new subwoofer
Posted by GrantMarshall on Tue, 09 Nov 2004 11:43:10 GMT
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Wayne says:>> I also want to do a few tests to see how audible venting noise is, and the best ways to vent cooling air in and out of this thing. I don't want air trapped in a small rear chamber, but I don't want it to be an air slug moving back and forth in a long hose either----------Hi Wayne.I've been doing some thinking about air movement. In the summer when it cools down at night opening one window doesn't do much. You open 2 and get a cross breeze. You can put it in "car terms" too. You wouldn't dream of running your car with only an intake, or only an exhaust. In a similar way I think you would actually need 2 hoses to really cool your motor, one in, one out. You could rely on a passive system but that would be limited in how much air moved. A small, quiet pump would gaurentee air movement. You wouldn't want it too noisy. You wouldn't want high cost. An example of a pump that might do the job can be found athttp://www.fish-supplies.com/buy-699098.aspx . (Note: I'm not sure this is the quietest pump you could find. It's just an example.) This pump can be combined with an inexpensive control valve (usually found at the same "type" of store and a single pump could handle 2 motors. There are battery powered versions at the same site if you didn't want to do power lines at concerts. One important thing is that the exhaust should be much larger than the intake so it never restricts the motor. If you get a quiet pump you don't worry about controlling when it's on. You just leave it on all the time. Grant.