Subject: Re: Woofer Cooling
Posted by Wayne Parham on Tue, 11 Oct 2005 12:24:58 GMT
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The cooling device isn't limited to basshorns by any means. It can be installed on just about any loudspeaker to improve power handling. You can mount it to an exterior cabinet panel or you can make a bracket to support the device inside.Woofer Heat ExchangerThe thing that is most important is to have as much surface area contact as possible with the pole piece, and in many woofers, the best place to do this is through the cooling vent. Eminence woofers, for example, have a center pole piece made of steel and an aluminum tube inserted makes a much better conductor of heat. By inserting it completely, there is a large contact area between the pole piece and the cooling plug, and this allows a good interface. Heat is carried away effectively, and radiated by the attached plate.LAB12 destructive testWoofer cooling device - Test Cycle with Heat Exchanger Installed