Subject: Re: Blow Fuse!
Posted by Wayne Parham on Mon, 22 Jan 2007 21:47:25 GMT
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If you're considering replacing the bulbs with a fuse or breaker, you should know that they're going to have to be de-rated. They aren't very effective for tweeter protection. The reason is that currents in the tweeter circuit are high frequency and the fuse is designed for DC. It isn't designed to respond very quickly. I found that fuses had to be pretty heavily de-rated to be effective.Honestly, bulbs work better for tweeter protection than any fuse or breaker I've seen, as they compress the signal rather than fusing. The bulbs only blow if the signal is much higher than expected or if the load is open or shorted. I suggest that you get out a meter and start quantifying things. Check the voltage level of the amplifier when the bulbs blow. Those bulbs don't cost much, so it isn't any trouble to make a few tests that push them to the point of destruction. Also, check the impedance across the crossover's tweeter output. Check the voltage across the tweeter output. Once you know more about what's happening, you can make a more informed decision how to correct it.