Subject: Re: Just a thought
Posted by Wayne Parham on Thu, 08 Jan 2004 20:04:53 GMT
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You're right, it's loud. The bulbs glow at about 300 watts, so the speaker is hitting about 120dB at a meter. But the tweeters aren't strained; They're only getting 30 watts at that point.As an aside, the actual bulb used is a 211-2, and there are two of 'em in parallel. The 211-2 bulb is designed for 1A at 12V (12 ohms) but cold resistance is only about 2 or 3 ohms, so the pair is about an ohm and a half. When used on the input of the crossover, there is no noticeable impact until high current makes the filament glow, increasing resistance and limiting current. It acts like a compressor and protects the tweeter, but the compression effect is very natural sounding, you can hardly even tell. And it doesn't happen until the amplifier is generating about 300 watts.