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Subject: Re: What about those flashing lights????

Posted by [Wayne Parham](#) on Thu, 15 Sep 2005 09:36:48 GMT

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The increased resistance placed across the crossover does two things. It shifts the crossover frequency slightly, making the crossover asymmetrical. And it makes the circuit slightly underdamped at the crossover frequency, making a plateau for the first octave. If resistance is too high, the circuit will be underdamped too much. It might even be so much that resonance in components L1 and C2 might drop circuit impedance quite low around 2.3kHz. That would increase current flow in the tweeter circuit and may cause the protection bulb to light earlier than expected.

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