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Subject: Re: Resistors - Sound Quality

Posted by [Wayne Parham](#) on Tue, 29 Jan 2002 01:49:25 GMT

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Non-inductive resistors are preferred simply because they are closer to pure resistance.

Wirewound units have a small inductive element. This acts a little bit like a filter, something like a tiny bit of EQ. The truth is that the inductance is so small, you usually can't hear the difference when used in a loudspeaker crossover. But there is a change that the inductance interacts with capacitance in the circuit to oscillate at very high frequency, which can intermodulate and make a grainy sound.