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Subject: somo

Posted by [somo](#) on Sat, 23 Nov 2002 08:10:13 GMT

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Hello People! I have one very important question for me to ask you all. What will happen if I change the voice coil of my speaker. My magnet weight is 30 Oz. (0.85 Kg). This magnet weight I think can be used with voice coils that go to about 120 W r.m.s. Max. (I will be very happy if someone thinks differently). I want to place a voice coil that can take 150 W r.m.s., but I think that the magnet will be weak for that. Is there going to be distortion or what?

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Subject: Re: somo

Posted by [Wayne Parham](#) on Sat, 23 Nov 2002 09:21:50 GMT

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There are two things that make up a speaker's motor - the voice coil and the magnet. On older speakers, an electromagnet replaced the magnet to supply a fixed magnetic field, and it worked very well. But the point is that the voice coil is a determiner of motor characteristics - namely, its strength and its impedance. The magnet also contributes to strength, and the mass that is moved sets the resonant frequency of the motor to a large degree. All of these things are interrelated, and so your selection of the voice coil properties will determine the behavior of your speaker.