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Subject: Re: overloading powered speakers

Posted by [Bill Wassilak](#) on Mon, 07 May 2007 16:23:35 GMT

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::thanks, thats pretty much what i had originally figured - that the amps would just amplify clipped signal and not drive the speakers too hard. Wrong, clipped signal's your sending straight DC voltage to the speakers. Which will make them hit there x-mechanical limits which would tear up your speakers.::what had me a bit worried was a thing i read on a car audio site that said something about speaker cooling... as far as i understand it sending a clipped signal to the speakers means that they won't be moving in and out as much as they could be.What there talking about in speaker cooling is reducing power compression. That's where the V.C. heats up, and raises the V.C. resistance, the more power you pour in there the less output you get because of the raised resistance and the extra power is given off in heat. See above the explination for sending clipped signals to a speaker, clipped signals are no good on speakers and you can damage them a lot easier.Do a search for Wayne's cooling plugs, he explains what power compression is and how to reduce it.

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