Subject: Re: Loud "BANG" From Speakers
Posted by Wayne Parham on Sat, 24 Dec 2011 22:24:29 GMT
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I have no doubt it's in the preamp. I remembered that you had narrowed it down to the preamp when I made my reply. I was just using the term "amp" generically. I've had lots of amps that did the same thing you're describing, both power amps and preamps, integrated and stand-alones. I've had prosound amps do it too, and when they do it with a few thousand watts, it makes a really good stress test for speakers.

My point was really that I think the designer did not take the power loss situation into account when designing the delayed relay circuit. It probably uses a time constant to energize the relay which is shorted (to immediately de-energize the relay) when the power button is used to shut off the unit. If the switch isn't used, there is no shorting mechanism to kill the relay immediately, so it takes a while to de-energize, leaving the decaying power supply on the preamp circuits and making them unstable.

Lots of words just to say, yeah, probably gotta replace the preamp or get in there and redesign/rebuild the delayed relay circuit.