

Re: Good capacitors

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On 7 Mar 2006 22:09:03 -0800, "Matty-t" <matthews@xxxxxxxxxxxxxxxxxx> wrote:

"Well, maybe not, but \$10,000 power chords have done a lot for rock and roll musicians."

Like who? Unless I am missing a joke or pun?

Yes, you are. The thing you were talking about was a power _cord_.

A power _chord_ is something entirely different.

"And this "signal injector" is what, specifically? "

I don't disclose information about my test suite. But I will tell you it was written by Moi. It runs with a computer driven 4 channel scope scope interface and a secondary communication device for output as well. It is capable of outright bashing an amp to the outer regions of the universe while giving me distortion @/vs slew, THD, TIM, etc.. it's funky stuff... And admittedly way more than I need. But it gave me a chance to test the limits of my coding abilities. We all know spelling isn't my strong point ;)

Not wanting to disclose information about your "test suite" may indicate that your technical capabilities may also be weaker than you'd like to disclose.

"Not true.

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Loudspeakers and room acoustics have a lot to do with it, as do the ears and brain (or lack of) of the listener.

"

A very true statement, but we are not on the same page and that is my fault. When I made the "sound" statement I made it *after* admitting my only ears were a scope and injector. I was not referring to an actualy listening situation where so many other variables obviously come into play.

"Oh, so true, but then they go and spoil it all by putting those nasty old tone controls and equalizers on them... "

Now we come to a bridge. I am afraid I must generalize this because I cannot sit here all nite and type. Actually I believe tone control has it's place. But it's not built into an amplifier. And there are a lot of reasons why I think this is just plain retarded in general.

When an amplifiers sole duty is to amplify without coloration why the hell would you put a bunch of goodies on it in *order* to colorize it? Even if you set it all flat those components don't dissapear from the signal path and the damage is already done.

Depends. If they're far enough upstream that they don't add any perceptible noise and flat is flat, then they'll be transparent and no damage will be done. The reason they're put there is because some folks don't _want_ to buy a separate equalizer and they're happy with what comes on the amp.

the user to select thier sound coloration device of choice. You sould not be forced to accept you amplifier manufacturers 'ideal' methods of doing so.

You don't like it? Don't buy it.

If I had my way I would march into every amplifier manufacturers building, march straight up to the head engineers office, and scream in his face "Just make the fucking signal bigger and don't fuck it up!!"

Yeah, that'll do the trick...

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But we don't live in a perfect world.

"What requirements are you talking about?"

The simple answer is "consult your equipment service manual"

"What do you mean by "true to it's" (its?) "values"? "

I mean they make a reliable cap with good QC and I have not seen an example off the shelf outside specs yet. Do they exist? They have to as no process is infailable. But I have good experience with using these caps as far as "being what they claim to be out of the box"

"Don't just try, when replacing filter caps, always replace with a cap rated for a voltage at least as high as the voltage rating of the cap being replaced."

Withing voltage specs *means* at least the originol voltage.

But "try" implies that if you can't get at least the spec'd voltage, lower will be OK.

I'm sorry if anyone construed that differently.

OK. :-)

John Fields
Professional Circuit Designer

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