

Re: Carver M500t Electrical buzzing after warm up

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DManzaluni <dmanzaluni@xxxxxxxxxxxxxxxx> wrote:

Well that sounds more hopeful: I thought I had said that the sound does come from the speakers: Apparently not! I might even be able to do it myself if it is just filter caps: They tend to be relatively separate from the rest of the internals. Is it this way in the Carver? And how do I ascertain what the values are? I am in New York where getting unusual caps shouldn't be too impossible.

I think I have bad news for you.

Unless that model was out of the series Carver made in the 1980's, it doesn't follow standard amplifier designs.

He (Bob Carver) used something he called "Magnetic Field" something or other and the power supply in there isn't like anything you can think of.

Basically they produced amps like the 1.5t where it could output 1200 watts RMS (short term, like 4 or 6 seconds) per channel in a box that weighs around 15 pounds.

The key was the power supply, it used some kind of "loose wound" core and a special triac tied into it somehow that controlled regulation.

Although the caps probably can be found somewhere, I think the problem is the transformer itself. They made buzzing noises in all the models and I believe it's from whatever they used to gunk the "loose core" inside of it.

I'm saying it's more mechanical than electronic.

I think at this point in time you may only have the choice of finding another M500t which has some other problem and scavenge the transformer out of it.

If Carver is still around it's like so many other companies where it's name lives on but has nothing to do with what it made in the past.

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Bob Carver is behind another company called Sunfire but I really don't know if they can or will handle problems with the old Carver stuff. I think this was one of those messy situations where he signed over the patents and technology to the "new Carver" which went into the toilet.

A bit of history with that letter t after the model name, it stands for "transfer function". In the 80's Bob Carver claimed that he could listen to any audio amp and copy the sound characteristics into his amp design making a clone of it.

One audio magazine (Stereophile) took up the challenge and brought him in to listen to some high end, mega dollar amplifier. He listened and tweaked, listened and tweaked more, ending up with a virtual clone of the mega dollar amp. Although the challenge was debated for years, it does seem he accomplished his claim.

Thus all his amps ending with that letter t is supposed to have the same sonic quality (however you want to describe that) of that mega dollar amp from the challenge.

-bruce
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