
Subject: 1st Scratch Build Done.
Posted by [Shane](#) on Mon, 12 Jan 2009 21:49:39 GMT
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Repost from Tubes Forum:At least for the most part. A few tweaks here and there but it plays music and that's good for my first scratch build. Went for junkyard industrial on the look A big thanks to Norris for all the help he's provided over the last two years. I think we are friends because we are both the quintissential procrastinators!!!!You can see the schematic and more pics here:
Tubeamp Page

Subject: Re: 1st Scratch Build Done.
Posted by [Wayne Parham](#) on Tue, 13 Jan 2009 20:24:47 GMT
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That's awesome, Shane. Looks like a great job! I like the way you ran your wires, nice and clean. Bet it helps with hum reduction too. Hey, remember that Nelson Audio amp that UPS dropped about 3 years ago? Did I ever tell you what happened to that after you shipped it back to me? I guess UPS paid the claim to Frank, and you and he settled. But the broken amp just sat there. UPS never collected it. This weekend, I got tired of having it around collectimng dust so I opened it up to see what the matter was. Three large power resistors were poofed and on closer examination, I saw that some hand-wired parts in the power supply had shifted from the impact and were touching. That caused I high current short. So I moved those components, replaced the power resistors and the cracked tube. Works like a charm! So I decided to touch up the paint where impact scratched it and even swapped the electrolytics for cerafines. It now has a second life!

Subject: Re: 1st Scratch Build Done.
Posted by [Shane](#) on Tue, 13 Jan 2009 21:39:51 GMT
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Cool. If I had known then what little knowledge I have gained now, I would have kept it and fixed it myself. I figured later on that it was just some broken wires or such. Still kick myself for making a claim and sending it back. Still wanna get rid of it

Subject: Nelson Amp

Posted by [Shane](#) on Tue, 13 Jan 2009 22:06:37 GMT

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I figured Frank got it back or UPS had it. Got a very little bit of money back out of the deal, but never knew where the amp ended up. Then Frank started going out of the business and unfortunately passed.

Subject: Re: Nelson Amp

Posted by [Wayne Parham](#) on Tue, 13 Jan 2009 23:33:36 GMT

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I always wondered what happened on that deal. Did Frank supply you with a different amp or refund your purchase price? Or did you get the claim from UPS directly? You and I should talk this week by phone about a new LSAF. Wherever we decide to do it, I'll bring this amp for "show and tell".

Subject: Re: Nelson Amp

Posted by [Shane](#) on Tue, 13 Jan 2009 23:57:54 GMT

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I don't remember exactly where the "refund" came from, only that it wasn't what the amp was worth. Frank didn't have anymore of that model and didn't know if he could get anymore, so he couldn't send me another one and then he wouldn't answer my emails or phone calls after that one time talking with him. Email me you phone # Wayne and maybe we can get together this week or on the weekend. I'll give Norris a call as well and see if he wants to help.

Subject: Schematic updated.

Posted by [Shane](#) on Wed, 14 Jan 2009 04:24:50 GMT

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Not a big deal, but I changed from switch both the hot and neutral to just switching the hot leg. The pics don't reflect this as I forgot to take some while I had the cover off making the change. Updated schematic

Subject: Re: Schematic updated.
Posted by [Wayne Parham](#) on Wed, 14 Jan 2009 17:10:10 GMT
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Thanks for that schematic. It's such a nice little amp, would you mind if we put it in the Projects directory here? It might be fun for some of the rest of us to follow in your footsteps.

Subject: Re: Nelson Amp
Posted by [Wayne Parham](#) on Wed, 14 Jan 2009 17:13:38 GMT
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Wow, I'm sorry to hear that about the amp. Now I feel bad! About LSAF, my number is 918-663-2131. I agree with you about including Norris, and that we three should get an E-Mail thread going to discuss this. Maybe he and I can get together this weekend and do a conference call with you.

Subject: Re: Nelson Amp
Posted by [Shane](#) on Wed, 14 Jan 2009 21:33:01 GMT
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Maybe we can work out a "deal" with the amp I emailed Norris last night and I think he would be interested in helping. I believe we would both like to get details to see what we're up against before we commit. I know one of the first things is going to be to get a list of all the other shows and their dates so we can work that out once and for all.

Subject: You've got mail!
Posted by [Wayne Parham](#) on Thu, 15 Jan 2009 04:11:28 GMT
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I sent a message about LSAF, so watch for it. Let's talk more this weekend.

Subject: Re: Schematic updated.
Posted by [Shane](#) on Thu, 15 Jan 2009 18:05:51 GMT
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Wayne, let me run it a while and work through any bugs. One thing is, this amp was built with mainly donated parts, so it could be done in a better way I think.

Subject: Re: Schematic updated.

Posted by [Wayne Parham](#) on Thu, 15 Jan 2009 19:15:13 GMT

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Sounds good. Please keep us posted!

Subject: Re: 1st Scratch Build Done.

Posted by [SteveBrown](#) on Thu, 05 Feb 2009 03:15:19 GMT

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Beautiful! Looks like a great build. Bet it sounds wonderful!

Subject: Re: 1st Scratch Build Done.

Posted by [Shane](#) on Thu, 12 Feb 2009 20:12:08 GMT

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Thanks Steve!

Subject: Re: 1st Scratch Build Done.

Posted by [Norbert](#) on Thu, 26 Feb 2009 06:25:50 GMT

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Shane, I thoroughly enjoyed viewing your build. I recently build a 300B SET based on "Legacy" C3M penthode input stage. Couple of suggestions you may want to look into to improve the sound. 1] add ultrathath stage. The best source to find out more is from www.tubecad.com site 2] not sure if heard any arching from your power switch when turning it on/off, if that is the case consider adding 0.1uF @ 400V+ film cap across the switch 3] experiment with 2uF film cap across both cathode caps Cheers, Norbert

Subject: Re: 1st Scratch Build Done.
Posted by [Shane](#) on Mon, 09 Mar 2009 06:05:48 GMT
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Thanks Norbert. I tried adding a 0.1uF/1000V disk cap across the switch and ended up getting voltage on the amp. I tried two separate switches and two separate caps and every combo gave me this. So I have just been turning the amp off when playing and that seems to take care of it. With the bleeder I have it drops the volume to nil in about 5 seconds and no popping.

Subject: Re: 1st Scratch Build Done.
Posted by [Norbert](#) on Mon, 09 Mar 2009 06:30:35 GMT
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Hello Shane, It sounds like the wrong caps you used. Disk caps won't do it, I am using this cap from digikey: <http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=495-3232-ND> You can get it from other places. My cap has been working for over three months now and I listen to my amp 6 days a week.

Subject: Re: 1st Scratch Build Done.
Posted by [Shane](#) on Wed, 11 Mar 2009 05:38:33 GMT
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Thanks Norbert. I may give those a try. I was just using what was recommended to me on another forum. It definitely didn't work as with the switch off I was getting full voltage on the PT primary.
