Subject: Transformers
Posted by Manualblock on Thu, 16 Dec 2004 02:06:03 GMT
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It may be 50$ for the power trans on the 5867 pre. I tried many places and that is the lowest acceptable unless you want to try used; such as a dyna which has similar specs. I have considered a better quality trans in liue of boutique caps and such. ICR's and Mouser metal film with radio shack RCA jacks and a trashed line cord and fuse set-up. The chassis is the thing now. And the chokes.

Subject: Re: Transformers
Posted by colinhester on Thu, 16 Dec 2004 03:07:59 GMT
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I don't think you're going to find a more basic pre around (or meaningful project for that matter.) As Wayne said, this has a good reputation and takes only about an hour to build. I know we had talked about a price of around $100, but that was just a number thrown out. This is a great project to begin the group build. It's simple and already has a great website devoted to its construction. We can build our own reference section and just see how things evolve.Not only am I excited about the build, but even if someone decides not to do the construction there is a wealth of knowledge just waiting to be shared floating around these parts. I would be thrilled to hear everyone's opinion on both circuit theory and construction techniques. Like I said before, I'm here to learn.....Colin

Subject: Re: Transformers
Posted by Manualblock on Thu, 16 Dec 2004 07:42:31 GMT
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I am pondering whether to just bite the bullet and purchase a good transformer just for future reference. I feel that the trans is the most important piece and after that it's a crapshoot. Resistors in an amp don't seem to change the sound much and caps, well I am not buying copper lead jupitor beeswax for 126$ apiece; so that leaves ICMW or some other reasonable alternative. The biggest decsision I see is the chassis. And good connectors.

Subject: Re: Chassis
Posted by BillEpstein on Thu, 16 Dec 2004 08:50:27 GMT
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If you have a router and a chop saw; if you have just a hand miter saw.....get a 1x4x6 #2 pine board for $2.46 and a brass plated aluminum (non-magnetic) door kickplate 6x36 for $10. Send the 26" you don't use to the next builder. The kickplate will have holes pre-drilled in it, too. Size the pine to screw the 6" kickplate directly to it or rout a narrow rabbet to accept it then put some "stop" molding where the screws go. You can cut the kickplate with any power saw but sandwich it between sacrificial pieces of plywood to keep metal shards from eyeballs.After you miter the 4 pieces lay them out edge to edge. Use masking tape to connect them pulling and stretching the tape. 2 pieces on each connection to even the strain. Carefully turn them over to expose the angles and apply PVA or urethane glue to each surface. If you use polyurethane don't forget to dampen the wood, first. Also, it's very runny so apply tape the length of the joint on the outside to keep the glue off the surface. Now set them on edge, form them into the final box configuration and tape the remaining joint. Place the chassis on some waxed paper to save Wifey's cherry dining room table. It will peel off easily after the glue dries.

Subject: Re: Chassis
Posted by Manualblock on Thu, 16 Dec 2004 12:10:16 GMT
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Good idea. Whats the time frame, would you think. The angled cuts and tape, thats how Bottlehead does it.

Subject: Re: Chassis
Posted by GarMan on Fri, 17 Dec 2004 01:15:53 GMT
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Bill, the kickplate is used as the top plate of the wooden chassis, right?Funny I should read about this tonight. I was just out this afternoon buying material for a chassis for my K-502 amp. Spend $12 for a 8"x10" sheet of 16 gauge stainless steel, polished on one side at the Metal Supermarket and $8 for a piece of 3x1x4 dressed oak. All prices in Cdn. I think the 16 gauge might be overkill. It weighed in a over a pound and half. 18 or 20 gauge would have suffice.

Subject: Re: Transformers
Posted by colinhester on Sat, 18 Dec 2004 02:48:41 GMT
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Will Hammond's 269EX work for this project? Can one run both heaters off the same 6.3V secondary and the other secondary at 190V? This should be close enoght to the 200V in the

hand-drawn schematic. The pice from Angela is $27

Subject: Re: Transformers
Posted by Manualblock on Sat, 18 Dec 2004 08:41:59 GMT
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That is the schematic for the M7 audionote clone. His runs 360v ct. We need some advice on this. I am competant to build from an existing schematic with voltage test points, but I don't yet trust my design or substitution abilities. If you can find one an old dyna would work according to my calculations, and that should be cheap. To be truthfull; crunching the numbers still comes out to about 125$. Thats 60$ for the trans. 20$ for the chassis. 10$ for tubes and sockets 30$ for chokes and Well I geuss another 25$ for parts, although I have a lot in my junk drawer. What do you have for figures?

Subject: here is a pic of mine
Posted by PakProtector on Sun, 19 Dec 2004 13:31:22 GMT
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this one was very similar to the E-T ForePlay. Building it with 12B4's soon, just as described below.reggards,Douglas

Subject: Re: here is a pic of mine
Posted by Wayne Parham on Sun, 19 Dec 2004 16:02:22 GMT
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Those are really attractive amps, Douglas. Thanks for posting the photo.

Subject: Re: here is a pic of mine
Posted by colinhester on Mon, 20 Dec 2004 02:46:18 GMT
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Sweet looking rig. Can you describe the amps a little, please....Colin

Subject: that is the old one...
Posted by PakProtector on Mon, 20 Dec 2004 02:54:04 GMT
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They have changed a bit since then, and then a new one got made. the amps: cascaded diff amp/LTP stages(6SN7>>6BX7) to PP KT90's riding a Dynaco A441. Configured in pentode mode with cathode feedback using the tertiary winding.B+ is ~380, and the finals are idling at 110 mA for Class A operation. Choke input PS with GE motor-run caps.I put a bit on the new ones at the link. I have gone DH for the time being.regards,Douglas
http://audioroundtable.com/SET/messages/446.html

Subject: and since you'll be asking what is to the right...
Posted by PakProtector on Mon, 20 Dec 2004 03:08:46 GMT
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here is a pic of the linestage. Shunt regulated with VR tubes, and active loads on the plates of the 2C50 (it is now an adapter rig holding 2 12B4A's).I took that pic before I salvaged a volume knob from a scrapped Tek 517 scope I was using for parts.regards,Douglas

Subject: You know Douglas, dyslexia isn't all it's cracked up to be. nt
Posted by kyle on Tue, 21 Dec 2004 05:46:17 GMT
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.

Subject: uhhh...
Posted by PakProtector on Tue, 21 Dec 2004 11:44:05 GMT
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please explain that one. I don't get it.regards,Douglas

Subject: I was looking at your moniker and...
Posted by kyle on Tue, 21 Dec 2004 14:43:44 GMT

got confused.

Subject: Re: Time frame?
Posted by BillEpstein on Wed, 22 Dec 2004 08:44:13 GMT

Not sure what you mean. Drying time?Kick plate is indeed the chassis plate.I just priced copper and brass 20 ga. 6x10 plates at onlinemetals.com, they were $16 and $12 respectively with $10 freight charge2 things to watch with the mitre and tape:1) No matter how I have cut the mitres, there are always some gaps; easy to fix by saving some sawdust and mixing it with a little white glue to make a paste and filling2) I have switched from white or yellow carpenters glue to the dreaded polyurethane because butt mitres with the former just aren't strong enough to hold up when you plane and sand or, worse, try to chop or rout holes for plugs and suchDefinitely chop all mortises before glue up. Highly recommend cutting dadoes for splines to strengthen the joint