Subject: the $2 tweak
Posted by PakProtector on Sun, 20 Mar 2005 19:47:26 GMT
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Hey-Hey!!!,Thee should be no big suprise that a good PS is the heart of a good amp. I just got done putting some Russian Teflon caps in my amp and linestage. A single .056 uF/500B unit bypassing the main PS cap. It sounds better to me.these things are available for ~$2 each from Gintaras of KWTubes on ebay. Like 6 for $12 plus shipping. So maybe it ought to be called the $3 tweak. Either way, these caps are nice enough I recomend getting a stash for your parts box. They are too useful not to have laying about, and they won't be around forever.They are about the size of a third of a Hot-Dog, and are TFE sheet and Al foil...regards,Douglas

Subject: Another $2 tweak
Posted by Wayne Parham on Sun, 20 Mar 2005 23:45:20 GMT
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I'm impressed with how much noise reduction is provided by adding 0.022uF capacitors across the rectifier diodes.  The 8kHz switching artifact from 1N400x diodes is gone.

Subject: Re: Another $2 tweak
Posted by PakProtector on Mon, 21 Mar 2005 01:37:46 GMT
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Hey-hey!!!,it's my opinion that if you're going to use SS diodes in a design that something has to be done about the switching noise. It can be done quite well, and if Schottky barrier types are used than the job gets an order of magnitude easier.On designs which have some SS then a seperate TX is a step towards makings easier. A good Pi filter in the primary is usually enough IMO. Then I usually get carried away and go L-C on stuff like bias supplies( with Schottky diodes ).the final call is that it is easier to make less noise in the first place, than to build a filter to deal with things afterwards.regards,Douglas