Subject: Re: and then...
Posted by Manualblock on Thu, 16 Mar 2006 19:46:40 GMT
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Exactly my point. As in all things to do with physics and electromagnetic behaviour there are reams and libraries full of work done on those fundemental laws. But as an audio experimentor all we really need to know are; hey...can this output tube work with this primary winding?How do I set the load resistor?Fixed or Floating bias?How to get the three basic voltages to my output tube from the power supply?How to find Cap vs Inductor input filter values?What is global feedback and how is that done in the amplifier?When to best use these various scheme's for maximum sound quality and whether to look at doing things like running tubes hotter for more power or cooler for less distortion. Why use a 6l6 or an el 34 instead of a KT 88 in a particular circuit?Many times I see articles written about things like say this, "What To Do With Those Old Transformers and How To Use Them In Circuits If You Don't Have The Right Transformer For The Job." Thanks But let me learn the right thing to do first before offering me choices I will never make. It just confuses things while simple explanations of why a transformer is chosen to do a particular job is really the most helpfull type of information.Statements like this:I choose the 5k primary transformer because with a 300B output tube I get this amount of power;..This amount of distortion,.. and this output impedance.How do I know this? Here's how;...Like what Damir is doing with his description of the maths involved; the changes he makes and the effect those changes have on the sound. And Douglas does when he describes the different iterations of the circuit and how those iterations can be adjusted to get another value that co-responds with a different set of results. These are the things I think about as a novice. And also the proper way to run signal and ground wireing to and from the circuits to the connectors. As well as proper safety practice.One of the most illuminating moments for me so far is the simple recognition that you actually could wire up a simple SE schematic by running the wiring exactly as it looks on the schematic. It may not be the best option and you may get some hum but it can be done.