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Subject: JTM pre-amp valves

Posted by [Matt5104](#) on Tue, 05 Jul 2005 09:20:15 GMT

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Hi, I have a JTM612 with 2 12AX7s, 1 12AX7EH and 1 marshall ECC83 in the pre-amp. I'm considering replacing them all with mullard ECC83s. Can I literally just replace them and power up the amp, or do I need to re-bias the amp? Also, does anyone know the best order in which to place the original valves in the pre-amp? I've heard that putting the 12AX7EH in V1 (first valve position from right to left) is best, but i'm not really sure! Thanks very much.

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Subject: Re: JTM pre-amp valves

Posted by [Damir](#) on Thu, 07 Jul 2005 20:56:19 GMT

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No need to rebias, but your tone would change a little. Maybe you`ll like it, maybe not. You can try various "order" of your 12AX7/ECC83 tubes to find out the "best" combination...Only one way to find out.

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Subject: Re: JTM pre-amp valves

Posted by [Thermionic](#) on Tue, 12 Jul 2005 14:24:03 GMT

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For the first gain stage in any guitar amp, you want the lowest noise, least microphonic 12AX7 you can lay hands on. If there MUST be a compromise in 12AX7 quality somewhere for reasons of economics or availability, make it the phase inverter tube. The first gain stage's 12AX7 is the most critical, as it sets the stage (pun intended) for the rest of the amp. If it's noisy or microphonic, all that is after it will amplify it. To end good, ya gotta start good. Thermionic

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Subject: Re: JTM pre-amp valves

Posted by [Damir](#) on Tue, 12 Jul 2005 18:50:02 GMT

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I can say that even slightly microphonic tube have no place in my amps. And yes, we can say that first tube is the most important (noise and tone-wise), but their combination is what matters. It`s hardly subjective, for example - I found "Mullard" ECC83 good sounding, IMO - it doesn`t "break", but "softly and warm" compress - but too much for me. TFK ECC83 is arguably "best of the best", but in my amp (Fender "Deluxe Reverb") doesn`t work in the first position - overall sound was

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(too) clean and bright. But, in the 2nd position - that`s IT! And I (preffering "cleaner" sound) used 12AY7 or 5751 in the first position.And yes, I changed reverb driver (12AT7) to 12AU7 and power amp driver (12AT7) to E180CC.Once, my friend (owner of the profy studio) and I retubed some of his amps the whole day long - every combination (preamps tubes, output tubes, rectifier) we recorded (the same riff) on hard disc-recorder. Then we listened, and compared...huh. And yes - some of my favorite combinations/tubes didn`t work for him, but some other, pretty odd:-)

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