AC 701 vs JAN 5703

Author: Posted by Peter

Date: 02/08/2003

Hello Can anybody give me informations about replacing the AC 701 tubes in the KM series against JEN 5703 tubes ? Nick Kurby does it in their microphones, is it OK ?
Hallo Koennen Sie mir weiterhelfen, ich moechte gerne wissen ob es einen adaequaten Ersatz fuer die AC 701 Roehre in den KM Mikros gibt, ich habe von einer JEM 5703 Roehre gehoert, macht dass Sinn ? Kann ich dass bei Ihnen Neumann Berlin machen lassen ?
Besten Dank, Peter

Re: AC 701 vs JAN 5703

Author: Posted by Oliver

Date: 02/08/2003

Hello Peter,
there are several sub miniature tubes that you can use as replacement for AC701, all come with some kind of modification. There was only the AC761 made by Anna Seghers that is an identical replacement for AC701, but by now same as rare and expensive than the Telefunken AC701.
The closest replacement with 6.3V filament is the EC70/71 those tubes share similar design features of the AC701 and sounds quite O.K, but if you are looking for the typical AC701 tone, you have to pay at least $150 or even more for a original Neumann spec. tube.
Biggest problem with JAN *Joined Army Navy* spec tubes, there are so may different versions, some with sintered cathodes, other with Fe instead of NI plates, creating noise in various ways. If you have a qualified tech it can be some cost savings installing sub mini tubes, but if you a mic user you might want to go with a new old stock tube.
Best regards,
Oliver

Re: AC 701 vs JAN 5703

Author: Posted by M. Schneider / Neumann

Date: 02/10/2003

Hello,
don't think we ever did that modification, so I have no experience on the results. Modifying mic and supply to another tube type should always be a last resort, I guess.
Best regards, Martin Schneider Neumann Mic. Development