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Subject: K200B6

Posted by [aeroboy47](#) on Tue, 10 Aug 2021 21:08:04 GMT

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I posted last year about this amp. It's the one that had a #12 wire soldered across the fuse and had several bad transistors and the shorted bias diodes. After I got the parts replaced and the amp working again, I was concerned about the 120mv DC voltage at the output. I'm back working on it now and I have replaced other parts and the DC voltage at the output is now 48mv DC. I'm guessing that 0vdc would be ideal but dont see that happening unless someone has ideas about what to do nest. I have replaced Q1-Q4, Q701-Q709 and CR701-CR703. All the voltage readings I have been able to take are very close to the schematic values except Q707 collector is at -2.4 vdc and Q703 collector is at +4.6vdc. Any technical expertise would be appreciated.

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Subject: Re: K200B6

Posted by [stevem](#) on Wed, 11 Aug 2021 13:53:52 GMT

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That's strange that the collector of 703 is positive when it should be negative!

What does the base of 705 test at and the collector of 701 test at?

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Wed, 11 Aug 2021 16:45:15 GMT

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I made a mistake Steve. It's the Q706 collector thats +4.6vdc, and not Q703.

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Subject: Re: K200B6

Posted by [stevem](#) on Thu, 12 Aug 2021 13:24:33 GMT

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What does the base of Q708 test at?

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Thu, 12 Aug 2021 16:14:35 GMT

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Base of Q708 = 1.22vdc

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Subject: Re: K200B6

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Posted by [stevem](#) on Fri, 13 Aug 2021 11:33:19 GMT

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What did you use to replace CR703?

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Fri, 13 Aug 2021 16:15:50 GMT

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Can't believe I did this again. I replaced CR700-CR702. CR703 and 704 checked OK and were not replaced.

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Subject: Re: K200B6

Posted by [stevem](#) on Fri, 13 Aug 2021 23:51:13 GMT

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I would first swap 703 and 704 and see if the problem stays as is.

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Sun, 15 Aug 2021 16:03:22 GMT

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I will be away for a couple of days but will do this when I get back.

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Tue, 31 Aug 2021 22:09:15 GMT

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Sorry about the delay here. When I got back from vacation, I found additional problems that required ordering parts. They're here now and I should have answers in a couple of days.

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Subject: Re: K200B6

Posted by [aeroboy47](#) on Fri, 03 Sep 2021 21:53:33 GMT

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The amp is back together. I just went ahead and replaced the FD111's with 1N4148's. It works but still has problems. the voltages at the collectors of Q707 and 706 went up slightly. The cathode of CR704 is -.72vdc (anode is -3.2vdc)and the anode of CR703 is 1.24vdc (cathode is 4.8vdc).The back of the amp seems to be getting hotter than it should but the fuse is not blowing and I have had it on for over an hour.

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