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Subject: Eico HF85... "persistent hum"

Posted by [kraken](#) on Sat, 23 Jun 2007 13:47:46 GMT

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Hi, My tech and I tried to fix this "hum" sound particularly present on phono. It still present thru music on auxiliary. All the caps has good resistance, all the tubes are ok. We just cannot find from where it's coming! Is somebody around know what i'm talking about? Any tricks to find out? Thanks and have a nice day!

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Subject: Re: Eico HF85... "persistent hum"

Posted by [Wayne Parham](#) on Mon, 25 Jun 2007 22:18:50 GMT

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Disconnect the output from the HF85. Is the hum still there? If so, it's the amp, not the preamp. Now disconnect the input to the HF85. Is the hum still there? If so, then it may be power supply hum or something else internal to the HF85. If not, it's the source. Check your ground, cables and source equipment. Grounding problems are very common, so make sure your ground is good.

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Subject: Re: Eico HF85... "persistent hum"

Posted by [kraken](#) on Fri, 29 Jun 2007 17:14:15 GMT

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Thank you Wayne, The problem belong to the Eico preamp. My tech try to ground everywhere he should but never obtain results. Power supply then!... (gosh!) I hardly don't understand these ground problem on old appliances. With no electric ground (two prong plug) and no attach to the ground anywhere, how ground can be good? There is black wires attach to the body, yes, but is that sufficient? How could I be sure ground is good?! Thanks again

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Subject: Re: Eico HF85... "persistent hum"

Posted by [Wayne Parham](#) on Sun, 01 Jul 2007 18:33:12 GMT

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You want a single point ground. If the main amp is grounded with chassis connected to the earth wire (third prong), then simply connect the chassis of the preamp and source components to the power amp. Measure the chassis of each with a meter first, because you want to make sure they are floating and not connected to the power line.

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Subject: Re: Eico HF85... "persistent hum"  
Posted by [kraken](#) on Sun, 01 Jul 2007 19:26:11 GMT  
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Thank you Wayne, Because all of these vintage comes with two prong should we always modify them with 3 prong cord? Just to make no mistake, from what point to point do I have to measure the chassis? (from the chassis to the eventual 3th wire prong?) I just want to be sure of what i'm doing because I remember an old radio I had... I was unable to touch it... electrifying! My source is a recent CD player. Should I wire the chassis to the amp too? Thanks again

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Subject: Re: Eico HF85... "persistent hum"  
Posted by [Wayne Parham](#) on Fri, 06 Jul 2007 03:16:09 GMT  
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You'll need to do some measurements to know what to do. Only if the chassis floats can you ground it. If you're not familiar with this, you probably should consult a repair technician.

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