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Subject: philco model 111

Posted by [capbuster](#) on Tue, 13 Apr 2010 01:19:24 GMT

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I have a philco model 111 .Recapped all new resisters ,all good tubes , antenna coils check good . After about 15 minutes loses reception. Turn off let cool does it again. Ran a long wire antenna picks up stations . What would make this happen ? Acts like something gets hot quits working. I watched tubes no filaments cutting out. DO NOT KNOW WHAT TO CHECK .

Thanks Capbuster.

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Subject: Re: philco model 111

Posted by [Wayne Parham](#) on Tue, 13 Apr 2010 01:41:22 GMT

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Swap all the capacitors with polypropylene caps, and I'll bet that fixes it. Old radios actually are more likely to have bad caps even than tubes.

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Subject: Re: philco model 111

Posted by [capbuster](#) on Wed, 14 Apr 2010 01:00:04 GMT

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Did replaced all . Every resister . Checked tubes . Didnt replace mica caps . AllREADING I DONE SAID THEIR RELIABLE . What does anyone think.

THANKS FOR REPLY Capbuster.

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Subject: Re: philco model 111

Posted by [Wayne Parham](#) on Wed, 14 Apr 2010 02:13:39 GMT

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Have you replaced all the other capacitors? Are there any electrolytic or paper capacitors? Mica and ceramic capacitors are reliable, you're right, but electrolytic and paper caps are extremely unreliable and almost every old radio has them.

Also note that molded paper capacitors can look like dominoes just like some mica caps do. If a capacitor is specifically labeled "mica" then I'd be comfortable with it but if it looks like a domino, I wouldn't be.

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Subject: Re: philco model 111

Posted by [capbuster](#) on Wed, 14 Apr 2010 23:37:19 GMT

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Yes did replace electrolytic caps. all other caps. will check to see if any are not micas . BUT PRETTY SURE THEY ARE.

Thanks for reply .

Capbuter

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Subject: Make Your Own IF Transformers

Posted by [Wayne Parham](#) on Thu, 15 Apr 2010 03:33:04 GMT

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I've also had those symptoms once from a bad IF transformer. In that case, the capacitor in the can was fine but the insulation had evidently broken down in a weird way. I'm not sure what caused it, because it was magnet wire, but if you measured it hot it measured very different than it did cold. I expect some slight shift, but what it had was way too much.

If it turns out this has happened to your radio too and if you can't find a replacement, check this page:

Make Your Own IF Transformers

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Subject: Re: philco model 111

Posted by [capbuster](#) on Fri, 16 Apr 2010 00:04:35 GMT

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Will check . Thanks alot.

Capbuster.

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