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Subject: Edison type 7R

Posted by [ilikemac83](#) on Tue, 22 Jun 2010 02:27:05 GMT

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I have an old Edison 7R that I found a schematic for but shows 6 tubes where I have 5 and shows many other things that I don't have, like a phono plug. The schematic I found is here

[http://bentongue.com/edison/Service\\_manual\\_for\\_Edison\\_Radios\\_R6\\_R7.pdf](http://bentongue.com/edison/Service_manual_for_Edison_Radios_R6_R7.pdf)

Was wondering if anybody has a better schematic or info on it. The main problem I have is getting into several metal boxes pinned to the chassis that contain bad capacitors that I need to replace, assuming I can figure out what type of capacitors they are.

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Subject: Re: Edison type 7R

Posted by [Wayne Parham](#) on Tue, 22 Jun 2010 02:34:52 GMT

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Wow, that's cool! But I'll bet it's a booger to align.

What tubes are missing? I wonder if it has been completely rewired, maybe even made into a newer circuit type.

Once I had a Stewart Warner radio that had been rewired to make use of an alternate output tube. I'm sure a repair shop rewired it to make use of a tube they had in stock that had different pinouts.

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Subject: Re: Edison type 7R

Posted by [ilikemac83](#) on Tue, 22 Jun 2010 02:42:28 GMT

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Amazingly no tubes were missing when I got it, but I did replace 2 227's that read weak. And after replacing a very bad power cord and slowly bringing up the voltage I do get (and only get) a 60hz hum. So all that's left to do now is take a hammer to it or something so I can get to the capacitors inside the metal boxes. They are held on by what looks like non-removable pins since they probably thought nothing bad would ever happen to them old capacitors COUGH COUGH yeah riiight!

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Subject: Re: Edison type 7R

Posted by [Wayne Parham](#) on Tue, 22 Jun 2010 03:28:03 GMT

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You said the schematic shows six tubes yet your chassis only holds five. I was asking what the

differences were, what tube was missing or if the whole circuit (maybe even the whole chassis) is different.

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Subject: Re: Edison type 7R  
Posted by [ilikemac83](#) on Tue, 22 Jun 2010 04:13:10 GMT  
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Ah right! The schematic for the power supply is correct, however my receiver unit uses 5 type 227 tubes, has 5 sockets that even say on them 227. And the schematic shows 3 227's and 3 224's.  
[http://bentongue.com/edison/Service\\_manual\\_for\\_Edison\\_Radios\\_R6\\_R7.pdf](http://bentongue.com/edison/Service_manual_for_Edison_Radios_R6_R7.pdf)

I'll post some pics of this unit tomorrow if I have some time.

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Subject: Re: Edison type 7R  
Posted by [ilikemac83](#) on Wed, 23 Jun 2010 02:19:27 GMT  
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<http://adam.ritchison.com/orp.html>  
I uploaded all my pics here

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Subject: Re: Edison type 7R  
Posted by [Wayne Parham](#) on Wed, 23 Jun 2010 03:06:55 GMT  
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That is so, so cool! Love the cotton insulated wire. Chassis looks like it's in pretty good shape, just needs a little cleaning.

The 60Hz hum symptom is a pretty common one. It can mean just about anything. Could be as simple as coupling caps gone bad, and if they haven't been replaced, that's likely. I generally replace all paper/oil caps with polys, first thing. Could be a tube too, or alignment, but I'd start with the caps.

Do you have a tube tester? An oscilloscope?

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Subject: Re: Edison type 7R  
Posted by [ilikemac83](#) on Wed, 23 Jun 2010 04:03:32 GMT

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Tube tester yes, but no oscilloscope. Just recently got me a variac too.

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Subject: Re: Edison type 7R

Posted by [Wayne Parham](#) on Wed, 23 Jun 2010 15:34:25 GMT

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Well, OK, cool. You can check the tubes then. Your tester will test those tubes, I hope?

Swap the caps, test the tubes and make sure they're all good. Hopefully that will get her going...

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Subject: Re: Edison type 7R

Posted by [ilikemac83](#) on Wed, 23 Jun 2010 22:42:54 GMT

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Oh yeah and the tubes in her do read good. But now getting them boxes off the chases held on by pins is another story. The cap's in them are so bad, wax leaked out the boxes and onto the power supply that took some cleaning.

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Subject: Re: Edison type 7R

Posted by [Wayne Parham](#) on Thu, 24 Jun 2010 00:01:32 GMT

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Well, there you go. I think that's the next step, getting those caps out of there, replaced with polys.

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