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Subject: Re: A-4 Repair

Posted by [chicagobill](#) on Fri, 09 Feb 2018 20:39:55 GMT

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Is the cap on the output 1uF or a 0.1uF? Typical Zobel networks will use 0.1uf and a 22 ohm resistor. Have you tried the amp with a different speaker?

To measure the voltages, set your meter to read dc voltage. The highest voltage that you will see is about 45 volts, so set your meter to the range that will cover that amount of voltage.

Set the amp up on a well lighted bench top and plug the amp into the wall socket and turn it on. If you have a light bulb limiter use it for now. Connect the black lead of your voltmeter to the metal chassis. Carefully touch the red meter lead to the different points in the circuit and see what voltages you get compared to the voltages listed on the schematic.

For example, the two large filter caps each have two screw terminal on the top of the cans. Touch the red lead to where the red wires connect to the cap and read the voltage. You should get about +45 volts dc. Next check where the green wires connect to the other filter cap, you should read -45 volts dc.

The readings that you get will not match the schematic exactly, but what you look for is something that is completely wrong. Be very careful when probing, because if you accidentally short two points together with the tip of your meter lead, you can cause problems, like shorted transistors, etc.

Watch out for the 4 metal heat sinked transistors on the power amp pc board, because the metal cases are connected to the circuit and have high voltages on them.

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