

Jason,

Here's the deal. You will remove the front plate screws so you can slide the top plate out. Afterwards, you will replace the front plate. Your meter will be connected to two points on the main pc board.

You will need to make your connections with clip leads or in some manner so that the lid can be put back in place to allow the fan to operate with the cases in place and with the meter leads safely exiting the cover. I put the lid back in place without the screws but put it on upside down so I can easily lift the cover off to make adjustments and then replace the lid to monitor the voltage swings.

The cases must be replaced tight so the cooling fan air does not escape before blowing by the heatsinks. Make sure the cases seal tight just like when it is all screwed down or your adjustment will be different between when the case is open or closed. The bias voltage swings within a range that is dependent on temperature. So the fan cycling and the heatsink temp must be operating exactly the same when the unit is closed up and when the adjustment is made. If you don't seal it up, the voltage swings will never be constant and you will tweek forever. Trust me on this.

You will connect the negative meter lead to either of the two large copper wire coils on the main board. Connect to the inboard side of the coil.

Connect the positive meter lead to any of the 100 ohm resistors that connect to each FET on the heatsink. Connect to the heat sink side of the resistor. You will then adjust one of two small potentiometers. There is one coil for each channel. Adjust the one closest to the side with the 100 ohm resistor you connected to.

The bias voltage range is 27-30 millivolts DC. Check to make sure you are getting something reasonably close to this to begin with, otherwise, you may not have connected to the correct points on the board. I would expect to be somewhere with +/- 75 millivolts or so to start, otherwise, recheck your connections.

You should make sure the lid is in place and the unit is up to temp with the fan kicking in and out before adjusting. You will tweek the pot very very small amounts, as small as possible. Most of the time you will overshoot no matter how little you think you tweaked it. Every time you tweek, replace the lid and watch the meter. It will go up in voltage until the fan kicks on and then go back down until the fan kicks off, then start to climb back up. Ideally, you want this voltage swing to be 27-30mv. On mine, one channel swings almost perfect and the other swings 5 or 6 mv instead of 3. I set it so the swing was centered as close as I could to 27-30.

After each adjustment, monitor the voltage for a good 10-15 minutes to allow it to stabilize. It is extremely sensitive to temp. that's why the cover must be replaced.

When it is set right, the fan should turn on for a 30-60 seconds or so then shut off for about 30 seconds then on again. All of this is done with no input to the amp of course and in normal stereo mode.

Repeat for each channel.

I would have sent pics, but my amps are buried in my system and I didn't want to tear them out. Let me know if you need more assist. I reset the bias about once a year or sooner if the amp is moved around.

I have the ops manual and schematics if you need copies. I even have a Julian Hirsch review of the amp with specs somewhere.

Good luck and enjoy this excellent amp.