

(Note: The current reading should appear to be slightly rising at this time as well. This is perfectly normal. Also, if the above values are obtained, then the amplifier is probably in good operating condition. Proceed.)

4. Turn off the AC power.
5. Remove the amplifier top cover.
6. If the output transistor emitter resistors are exposed along each of the output heatsink channels, then choose one resistor, and connect a millivolt meter using long clip leads across it. If the amplifier does not have exposed emitter resistors, then follow the directions in illustration #1.

IMPORTANT !! When making the following adjustments of the bias potentiometer, **DO SO VERY SLOWLY, WATCHING YOUR MILLIVOLT METER. SMALL INCREMENTS OF ROTATION OF THE BIAS POT CAN MAKE BIG CHANGES IN THE BIAS CURRENT !!**
BE CAREFUL !!

(Should you accidentally rotate the control too far, the worst that likely will happen to a properly functioning amplifier is that one or both supply rail fuses will probably blow.)

7. Again, turn on the AC power, and adjust the variac to the proper AC line voltage.
8. With a small insulated shaft blade screwdriver, and while watching your millivolt meter, adjust the voltage reading across the emitter resistor to the value (given in the attached chart) marked "cold start value".
9. Now, look again at the AC line current meter. The indicated current value should still be in the approximate range given in step #3 above. **NOTE:** if it is not, or if you have trouble in adjusting the bias in step #8 above, then stop and turn off the amplifier and check for faults, or a circuit failure before proceeding any further.
10. (See the graphs in Illustration #2) The two graphs illustrate the typical bias current/time/temperature characteristics of THRESHOLD amplifiers. Note that it takes about 1 hour to reach a stable value. Also note that the amplifier **BACK AND TOP COVER MUST BE IN PLACE** when these values are reached to be correct.
11. After about 1 hour recheck the amplifier - this time with the temperature meter and probe inserted