

in the last screw hole in the top cover near the back end of the amplifier. This is the standardized temperature measurement point for all THRESHOLD amplifiers.

12. Check the temperature reading above against the proper value given in the attached chart for the particular amplifier being adjusted.
13. If the measured temperature is outside of the specified operating range, then remove the top cover and adjust the idle current a small amount in the direction the temperature must be changed (higher if the temperature must be increased, or lower if it must be decreased). Reinstall the top cover. After about 15 minutes, recheck the temperature as before: if the desired value has not been reached, re-adjust once more, and recheck again after another 15 minutes.

**NOTE:** THRESHOLD amplifiers, once they achieve a stable bias value (whether it is correct or not), have a tendency to "lock in" to it. Therefore, if the two attempts at re-adjustment above do not bring the temperature into specification, the only way to "unlock" it is to turn the amplifier off and allow it to cool back down to room temperature. A small fan is very helpful here. After the cooling is complete, then restart the process with step #8 above. This time make slight adjustments to the bias voltage value read on the millivolt meter while the amplifier is still warming up. Do this as often as necessary until the required temperature value is reached and maintained.

14. Once the correct value of stable operating temperature has been achieved, it is important to once more turn off the amplifier, allow it to cool down, and restart it again, this time allowing it to come up to the specified stable operating temperature **WITHOUT HAVING MADE ANY ADJUSTMENTS TO THE BIAS**. If after 1 hour the amplifier still meets the given temperature specification, and passes all electrical tests as well, it is then ready to be delivered to its owner.