Operating Procedure

1. Make sure you have read and complied with the INSTALLATION AND CONNECTION instructions prior to attempting operation.
2. Make sure your VT60 is properly connected to a high-current power receptacle via the attached power cord (see CONNECTIONS).
3. Your preamplifier should be "On" and muted and/or set at minimum gain.
4. Turn the POWER switch from "Off" to "Power." The green "Power" LED indicator should glow immediately. Note: If the "Power" indicator lamp fails to light, turn the "Power" switch to "Off" and check the appropriate fuse for possible failure. An extra fuse for A.C. power is include with your VT60.
5. Your VT60 should now operate satisfactorily. However, a full stabilization or warm-up time approximately one hour is recommended for best sonic performance.

Servicing

Because of its careful design and exacting standards of manufacture, your VT60 amplifier should normally require only minimal service to maintain its high level of performance.

CAUTION: The VT60 amplifier contains sufficient levels of voltage and current to be ***lethal.*** Do not tamper with a component or part inside the unit. Even with the power turned off, a charge remains in the energy storage capacitors for some time. Refer any needed service to your authorized Audio Research dealer or other qualified technician.

Replacement vacuum tubes may be obtained through your authorized retailer or directly from Audio Research Customer Service. For best performance, the 6550B output tubes should be matched pairs.

Additional questions regarding the operation, maintenance or servicing of your amplifier may be referred to the Customer Service Department of Audio Research Corporation: 612-939-0600.

Output Tube Bias Adjustment

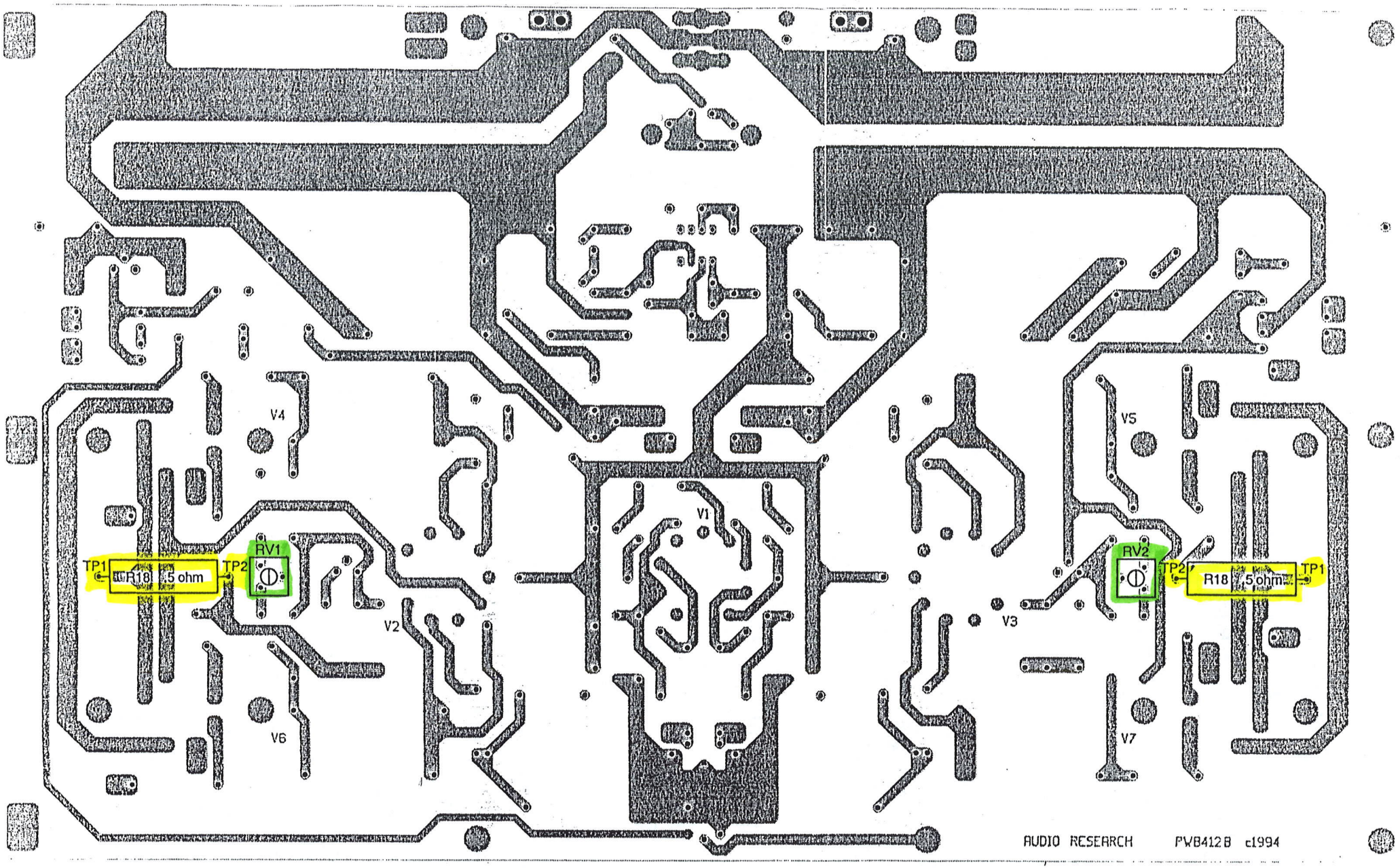
As shipped from the factory, the output "bias" adjustments are set for a nominal 65mA per 6550B tube. Under these idle conditions the tubes are each dissipating approximately 27 watts of their 41 watt rating (35 watt plate, 6 watt screen). This point of operation provides "enriched" Class AB_1 and will satisfy the most critical listener.

For best results, operate and adjust the VT60 at 120VAC. Adjustment must be made under zero-signal conditions after at least 15-20 minutes of uninterrupted stabilzation time.

A digital voltmeter capable of accurate measurements with 0.1mVDC resolution is preferred for accurate adjustment (must have 3 1/2 digit display). Use the plastic alignment tool provided to make the adjustment. The test points are accessible from the top of the circuit board between the output tubes. Adjust the "bias" for an average reading of 65mVDC (0650 Volt DC) between test points (across .5 ohm resistor.)

Cleaning

To maintain the visual appearance of your VT60, occasionally wipe the front panel and top cover surfaces with a soft damp (not wet) cloth to remove dust. A mild, non-alkaline soap solution may be used to remove fingerprints or similar smudges. Cleaners containing abrasives should ***not*** be used as they will damage the "brushed" grain of the front panel finish, as well as the LED display window. A dry 2-inch pure bristle paint brush works well to remove dust from bevels, reliefs and switches.



BIAS ADJUSTMENT - Connect voltmeter probes across TP-1 and TP-2 in each channel.(Either end of R18)
Adjust trimpot to a meter reading of 65mVDC after amplifier is fully warmed. (About 20 minutes)