

CA50 BIAS ADJUSTMENT

- 1). Remove top cover.
- 2) Turn on CA50 and allow unit to stabilize uninterrupted for at least 15 minutes with no input signal.
- 3) Referring to the enclosed circuit board illustration, attach test probes across the test points indicated. Ensure digital voltmeter is set to DC millivolts and has at least 1mVDC resolution (must have 3-1/2 digit display). Note that Audio Research strongly recommends the use of "grabber" probes which have a fully insulated body and thumb-button-operated hook to firmly attach to the test points without slipping. The "pin" probes supplied with most meters can easily slip and cause short circuits which will damage the unit and/or cause injury.

Radio Shack sells an acceptable pair of probes under part number 278-1160 for \$4.79.

- 4). Adjust bias adjust trimpot indicated with provided plastic alignment tool to raise or lower bias. Correct bias is 65mVDC. Note that the left and right channel trimpots adjust opposite of each other: turning the left channel trimpot CW raises the bias; turning the right channel trimpot CW lowers the bias.
- 5). Caution: the bias test resistor to which the test probes are connected is 420v above ground.