

MAIN AMP ADJUSTMENTS

Equipment Requirements

1. The output impedance of the signal generator should be less than 1kohm.
2. The input impedance of the oscilloscope, level meter, etc. should be more than 100kohms.

When adjusting the main amp follow the proper order: waveform adjustment, center voltage adjustment and last, idling current adjustment.

Waveform Adjustment

1. Connect an 8-ohm dummy load to the output terminal.
2. Feed a $-6\text{dBm}/1\text{kHz}$ signal to the input terminal (between the DC circuit board IN and the E terminal).
3. Adjust the VR3 as shown in Figure 2 to achieve a waveform which is symmetrically rounded like that shown in Figure 1.



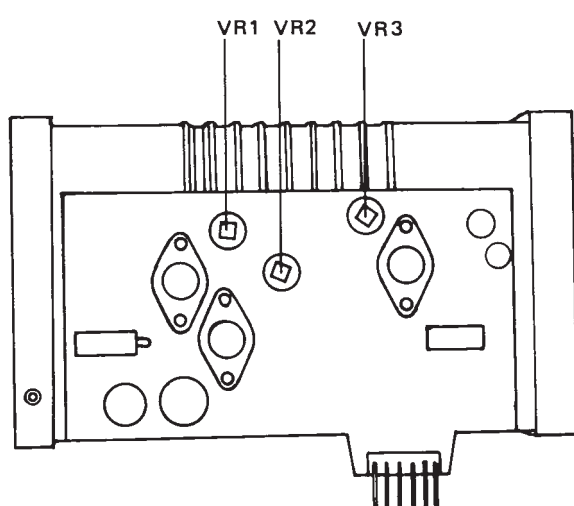
Fig. 1 Output waveform

Center Voltage Adjustment

4. Adjust VR2 so that the DC circuit board +CO terminal voltage is $45 \pm 1\text{V}$.
- NOTE: Only after steps 1 to 4 have been successfully carried out should you continue to idling current adjustment.

Idling Current Adjustment

5. Adjust VR1 so that the DC circuit board TP terminal voltage is $10 \pm 1\text{mV}$ at no signal.



- VR1: Idling Current Adjustment
VR2: Center Voltage Adjustment
VR3: Waveform Adjustment

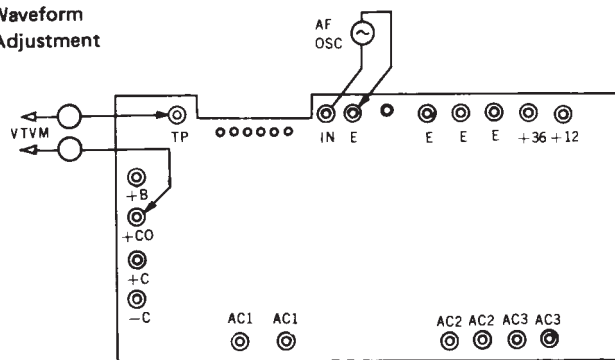


Fig. 2 MA Circuit Board

Fig. 3 DC Circuit Board