

ADJUSTMENTS

1—OUTPUT BIAS ADJUSTMENT

- a. Set Volume control to minimum.
- b. Connect DC VTVM to Pin 5 of V9 or V10.
- c. Adjust Channel A Bias Control until VTVM reads 0.8 volt.
- d. Connect DC VTVM to Pin 5 of V11 or V12 and adjust Channel B Bias control until VTVM reads 0.8 volt.
- e. Repeat steps a through d until both readings are equal.

2—AC BALANCE AND OUTPUT TUBE DC BALANCE ADJUSTMENT

Channel A

- a. Connect a 4-ohm load to the left speaker output.
- b. Connect Impedance Selector (lead protruding from rear of chassis) to 4-ohm tap on left speaker terminal strip.
- c. Connect IM Distortion Analyzer output to the AUX-1 input for Channel A.
- d. Connect the Analyzer input ground lead to the left speaker lug within the SPKR brackets and next to the 4-ohm lug.
- e. Connect the hot lead from the Analyzer input to the remaining lug within the SPKR brackets.
- f. Set the input Selector switch to AUX, the Mode Selector switch to STEREO and adjust the Analyzer output until 9.0 volts are indicated across the output load.
- g. Adjust Channel A AC Balance and DC Balance controls for minimum IM distortion. Repeat this adjustment several times.

Channel B

- a. Connect a 4-ohm load between the COM and 4-ohm lugs of the right speaker terminal strip.
- b. Connect IM Distortion Analyzer output to the AUX input for Channel B.
- c. Connect the Analyzer input ground lead to the terminal lug marked 4 on the right speaker terminal strip.
- d. The hot lead from the Analyzer input should be connected to the terminal lug marked COM on the right speaker terminal strip.
- e. Set the Input Selector switch to AUX, the Mode Selector switch to STEREO and adjust the Analyzer output until 9.0 volts are indicated across the output load.
- f. Adjust Channel B AC Balance and DC Balance controls for minimum IM distortion. Repeat this adjustment several times.