

Bias voltages for the modulator and final amplifier are established by means of the adjustable taps on R22, the 5,000 ohm 25 watt resistor located underneath the chassis directly below socket XV21. These adjustments have already been made on factory wired transmitters.

Rough adjustment for kits should be made as follows. Set one tap 1/2" from the terminal which is connected to R23 (9K ohms 10 watts). Set the other tap 1" from the same terminal.

For finish adjustment set transmitter controls:

<u>Control</u>	<u>Position</u>
MODE	CW
DRIVE	0
SW8	Off
SW7	On
AUDIO	0

Final amplifier grid voltage should be 70 volts negative with respect to ground. Turn SW7 off for each adjustment. Set the tap nearest to the terminal connected to R23 for -70 volts amplifier grid voltage (measure at either end of L7 and ground).

- 8 -

3. To adjust the remaining tap of R22 (nearest the ground end) set controls:  
(Make adjustments with SW7 and SW8 off).

<u>Control</u>	<u>Position</u>
MODE	AM
DRIVE	0 3
METER	Mod
SW7	On
SW8	On
AUDIO	0

Voltage read at modulator grids should be -55 volts. Do not permit modulator current to run over 80 ma. for any length of time while making adjustments.

These adjustments should result in operating conditions of 60 ma. static modulator current on AM phone, 70 ma. static amplifier plate current on SSB operation.