



13 volt secondary isolated from chassis ground. Necessary for voltage doubler section for filament bias.

Added voltage doubler to charge cutoff bias from 18 volts to 38 volts. A resistor (R10) must be added between bias set resistor (R10) and relay to correct voltage across relay and bias voltage. 13 volt secondary from transformer must be grounded. Must be isolated from chassis.

Added 130 ohm 5 watt resistor to correct relay and bias voltage after voltage doubler addition. Capacitance changed from .18 volts to 38 volts.

- NOTES:
1. ALL RESISTORS IN OHM 1/2W 10% UNLESS OTHERWISE NOTED.
 2. ALL CAPACITORS IN F UNLESS OTHERWISE NOTED.
 3. B VALUE IS NOMINAL.

Added voltage doubler circuit to change bias and keying line from -18v to -36v. Power and operate lamp grounds must be isolated from chassis for voltage doubler modification. Ran separate lamp ground to operate/standby switch from 13 vac transformer tap. Moved meter and chassis ground from operate/standby switch to ground lug on terminal strip between capacitor banks.

Added 130 ohm 5 watt resistor to correct bias and relay voltages after voltage doubler modification. Bias and keying line voltage changed from -18v to -36v

Moved meter and chassis grounds from operate/standby switch to this location on 3 terminal strip.

Soft key circuit board changes -36 volt keying circuit to +1 volt key line.

Orange wire from 13 vac tap on transformer to this point on standby/operate switch for isolated from chassis lamp ground. Necessary for voltage doubler modification.



