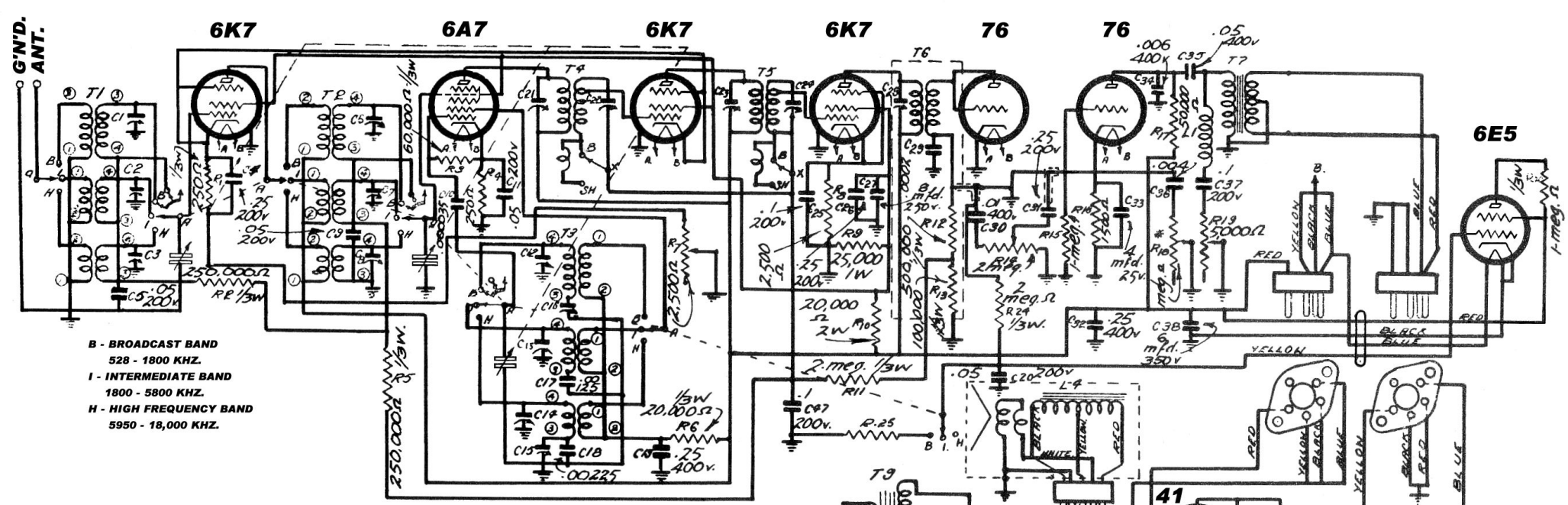
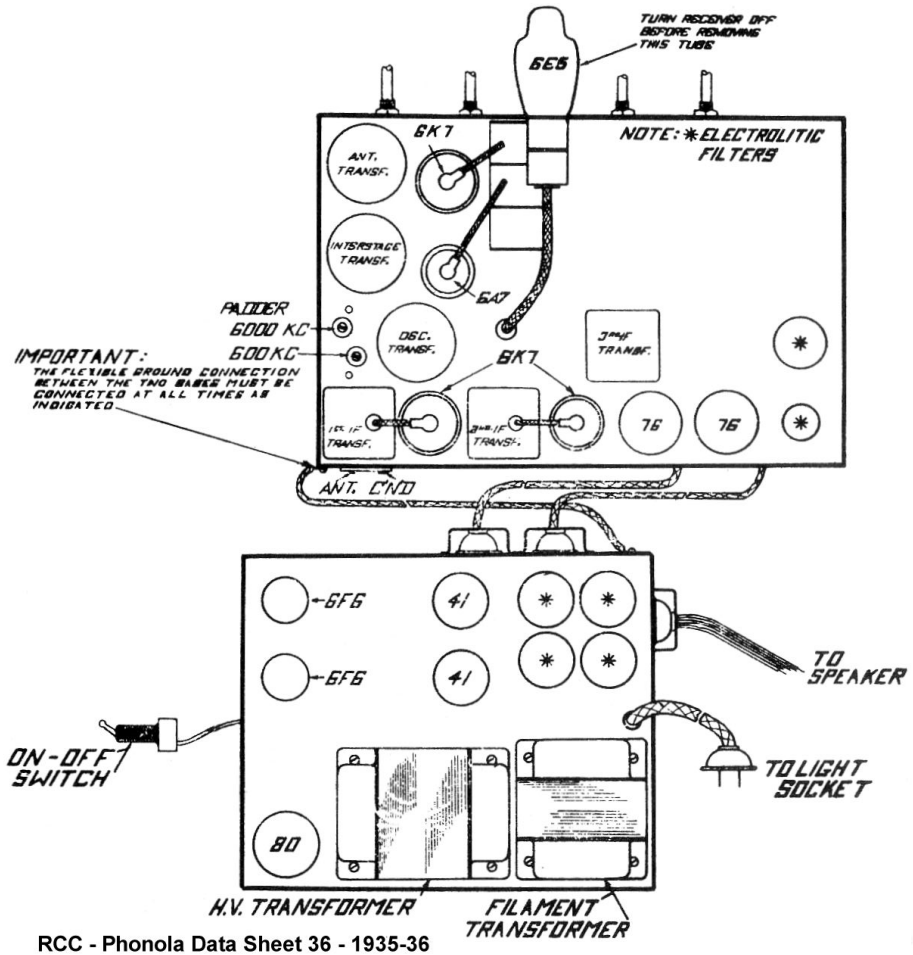
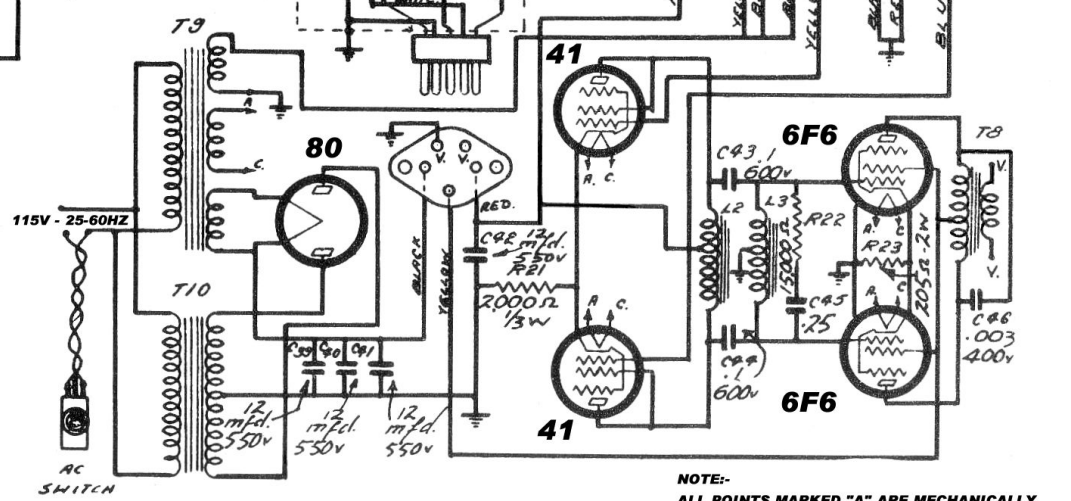






VOLTAGES AT SOCKETS

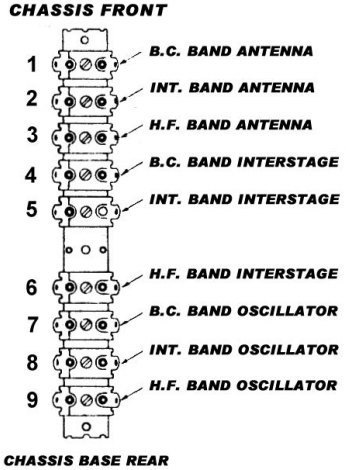
Line — 115V Antenna & Ground Shorted Volume Full

Type of Tube	Function	Heater	Cathode to Gnd.	Screen to Gnd.	Plate to Gnd.	Plate I MA
78 or 6K7	R.F.	6.1	2.5	66	200	4.0
6A7	Osc.Mixer	6.1	1.7	66	200	2.6
					G.No.2-150	4.1
78 or 6K7	I.F.	6.1	2.5	66	200	4.0
78 or 6K7	I.F.	6.1	4.3	66	200	2.6
76	2nd. Det.	6.1				
76	1st.Audio	6.1	3.5		75	2.8
41	2nd.Audio	6.1	14.0	200	200	10.
41	2nd.Audio	6.1	14.0	200	200	10.
42 or 6F6	Output	6.1	16.0	290	280	33.
42 or 6F6	Output	6.1	16.0	290	280	33.
80	Rect.	4.9				Total 106.1

Phonola - Electrohome Series 5115-M

Electrohome Series 5115-M

Receiver Alignment Information



TRIMMER LAYOUT

ALIGNMENT AND CALIBRATION: Each all wave receiver is properly aligned at the factory with precision instruments; therefore, it is extremely important that all other possible causes of faulty operation be thoroughly investigated before attempting to realign the receiver. The service technician should be properly equipped with a signal generator that will provide accurately the following signals: 456 K.C., 1500 K.C., 600 K.C., 5000 K.C., 2000 K.C., 15,000 K.C., and 6000 K.C., also a dependable output meter.

I.F. ADJUSTMENT: Use a non-metallic screw driver to make the adjustments. NOTE:- On models 585, 585-M and 5115-M always have High Fidelity switch on the fine tuning position.) Adjust signal generator for 456 K.C. and apply output of signal generator through a .1 condenser to control grid of 6A7 tube. Ground lead of generator is to be tied to chassis base ground point. Place selector band switch on "B" band, and volume control at maximum clockwise position, also tone control. Attenuate the signal from generator to a point where it is audible and at about half scale deflection on output meter. Adjust I.F. trimmers located at top of I.F. cans until maximum output is obtained.

"B" BAND ADJUSTMENT: Set generator for 1500 K.C. Set gang rotor and pointer at 1500 K.C. on dial, and adjust oscillator trimmer. (No. 7 from front) (note trimmer sketch) Adjust interstage and antenna trimmers for maximum output, No. 1 and No. 4 respectively. Now set generator for 600 K.C. and turn receiver gang until pointer rests at 600 K.C. Slowly rock gang back and forward across 600 K.C. and at same time adjust 600 K.C. padder. Connect output lead of generator through a .00025 condenser to Ant.post of receiver.

"I" BAND ADJUSTMENT: Set generator for 5800 K.C. Connect output of generator through a 400 ohm resistor to Ant. post of receiver. Turn selector switch to "I" band. Move gang until pointer rests at 5800 K.C. Now adjust "I" band oscillator trimmer No. 8 to maximum output. Now set generator at 5000 K.C. and likewise condenser gang and pointer. Adjust "I" band interstage and Ant. trimmers Nos. 2 and 5. Do not touch trimmers on bands already adjusted. "I" band has a fixed padder for correct 2000 K.C. adjustment.

"H" BAND ADJUSTMENT: Set signal generator for 18000 K.C. The receiver selector switch is on the "H" band position and the 400 ohm resistor still remains in the output circuit of the signal generator. Signal is still being fed into the receiver on antenna post. Set receiver gang and pointer on 18000K.C. point and adjust oscillator trimmer No, 9 until maximum output is obtained. Now set generator for 1500 K.C. Turn rotor of gang until signal is heard. This should be either on or very close to point marked 15 on dial. Adjust H.F. interstage trimmer No.6 and the H.F. Ant. trimmer No. 3 for maximum output. While adjusting the above trimmers, move condenser gang slowly back and forward across signal until maximum output is obtained. Now set generator for 6000 K.C. Turn tuning condenser to point where signal is heard and adjust 6000K.C. padder for maximum output. After oscillator trimmer has been adjusted the gang condenser should be "rocked" back and forth across the signal while making adjustments of the short wave R.F. compensating trimmers.