

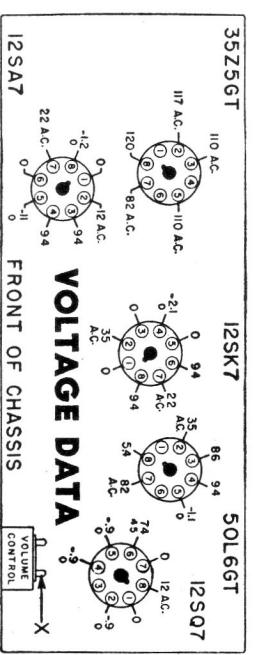
## ALIGNMENT PROCEDURE

Refer to 5B1 Manual for Models without Rotary Phono-Radio Switch.

**1946-47 I.F. 455**

- All readings made between Tube Socket Terminals and Switch Lug on volume control (Point "X" on drawing).
- Measured on a 117 Volt A.C. line.
- Volume control full on.
- Dial tuned to low frequency end, no signal.
- Voltage obtained on Vacuum Tube voltmeter.
- A second voltage reading is shown made with a 1000 ohm-per-volt meter when use of this instrument would result in appreciably lower readings.

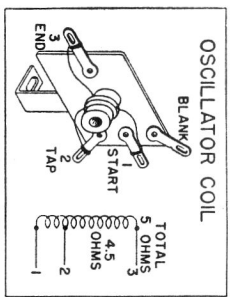
Bottom View of Chassis, Showing Voltages



R1	22,000 Ohms, 1/2 Watt	C1	1 mfd., 200 Volts
R2	1 Megohm, 1/2 Watt	C2	50 mfd., Mica
R3	10 Megohm, 1/2 Watt	C3	.02 mfd., 400 Volts
R4	220,000 Ohms, 1/2 Watt	C4	.01 mfd., 400 Volts
R5	470,000 Ohms, 1/2 Watt	C5	.01 mfd., 400 Volts
R6	150 Ohms, 1/2 Watt	C6	250 mfd., Mica
R7	150,000 Ohms, 1/2 Watt	C7	500 mfd., Mica
R8	1/2 Megohm, Volume Control and Switch. Tapped at approximately 100,000 and 200,000 ohms from start.	C8	.02 mfd., 400 Volts
R9	47,000 Ohms, 1/2 Watt	C9a	30 mfd., 150 V.
R10	27,000 Ohms, 1/2 Watt	C9b	30 mfd., 150 V.
R11	150 Ohms, 1 Watt	C9c	20 mfd., 150 V.
R12	1,000 Ohms, 1 Watt	C10	1 mfd., 400 Volts
R13	33 Ohms, 1 Watt	C11	.05 mfd., 400 Volts
R14	10 Meg., 1/2 Watt	C12	.005 mfd., 600 Volts
L1	Antenna, Loop	C13a	.00042 mfd., Gang
L2	Transformer, 1st I. F.	C13b	15 mfd., Mica
L3	Transformer, 2nd I. F.	C14	15 mfd., Mica
L4	Oscillator, Coil	C15	.01 mfd., 400 Volts
L5	Choke Coil (Filter)	C16	.05 mfd., 400 Volts
T1	Transformer, Output	C17	30 mfd., 150 V.
		C20a	50 mfd., 150 V. } Elect.
		C20b	

Connect Signal Generator to—	Dummy Antenna Between Radio and Generator	Set Generator Frequency to—	Set Receiver Dial Frequency to—	Adjust Following Trimers	Type of Adjustment
Tuning Condenser Antenna Stator	250 mfd. Condenser	455 K.C.	High frequency end of Dial	A—D 2nd I. F. A—B 1st I. F.	Adjust to maximum Output
Tuning Condenser Antenna Stator	250 mfd. Condenser	1630 K.C.	High frequency end of Dial	E—Osc.	Adjust to maximum Output
Loop radiator (or place pickup lead from gen. close to loop of set to obtain adequate signal).	No actual connection between set and generator.	1400 K.C.	Tune in generator signal	F—Ant. (See Note)	Adjust to maximum Output

NOTE: Antenna trimmer "F" must be aligned after chassis and loop are mounted in the cabinet. This adjustment can be made by lifting up the top cover and removing the plug button which is directly above trimmer "F."



## AC - PHONO MODEL 5B1A