

NOTE: ALL VOLTAGES MEASURED TO CHASSIS WITH PHONO-RADIO SWITCH IN RADIO POSITION. METER SENSITIVITY 20,000 OHMS PER VOLT.

- R1 10,000 ohms 1/2 W. Resistor
- R2 220 ohms  $\pm$  10% 1/2 W. Wire Wound
- R3 27 ohms 1/2 W.
- R4 25,000 ohms  $\pm$  10% 1/4 W.
- R5 470,000 ohms 1/4 W.
- R6 22,000 ohms  $\pm$  10% 2 W.
- R7 10,000 ohms 1/2 W.
- R8 2 Megohms 1/4 W.
- R9 68,000 ohms 1/2 W.
- R10 47,000 ohms 1/4 W. Part of T2
- R11 470,000 ohms 1/4 W.
- R12 Volume Control 2 megohms with S3
- R13 75,000 ohms  $\pm$  10% 1/4 W.
- R14 10 megohms 1/4 W.
- R15 Tone Control 2 megohms
- R16 330,000 ohms 1/4 W.
- R17 100,000 ohms 1/4 W.
- R18 2,200 ohms  $\pm$  10% 1/2 W.
- R19 22,000 ohms 10% 1/2 W.
- R20 22,000 ohms 10% 1/2 W.
- R21 470,000 ohms 1/4 W.
- R22 470,000 ohms 1/4 W.
- R23 390 ohms  $\pm$  10% 2 W.
- T1 Transformer I.F. Input
- T2 Transformer I.F. Output
- T3 Transformer Power
- T4 Transformer Output
- L1 Built-in Loop Antenna
- L2A (Antenna Coil B.C. Sec.)
- L2B (Antenna Coil B.C. & S.W. Pri.)
- L2C (Antenna Coil S.W. Sec.)
- L3A (Oscillator Coil S.W. Sec.)
- L3B (Oscillator Coil B.C. Sec.)
- L3C (Oscillator Coil S.W. Pri.)
- L3D (Oscillator Coil B.C. Pri.)
- L4 Speaker Field Coil 500 ohms
- S1A (Wave Change Switch - Ant. Coil Section)
- S1B (Wave Change Switch Osc. Coil Sec.)
- S1C (Wave Change Switch Osc. Coil Pri.)
- S2A (Phono - Radio Switch)
- S2B (Phono - Radio Switch)
- S Speaker 10" Electro - Dynamic
- S3 Power Switch 115 V. 3 A. Part of R12

# 1947-48 AC MODELS A-14 B-14

Courtesy of nucow.com

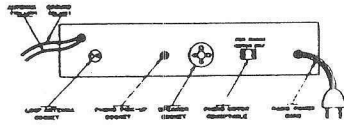
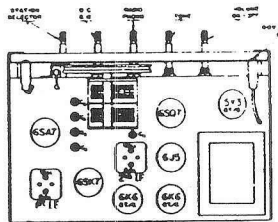
### ALIGNMENT PROCEDURE

Step in Alignment	TEST OSCILLATOR				Receiver Dial Setting	Circuit to Adjust	Symbol in Schematic
	Connection to Receiver	Dummy Antenna	Frequency Setting	Band Switch Setting			
1	Control Grid 6SK7 Pin No. 4	.05 mfd.	456 Kc.	B.C.	No Signal 540-700 Kc.	2nd I.F. Transformer	C16A C16B
2	Control Grid 6SA7 Pin No. 8	.05 mfd.	456 Kc.	B.C.	No Signal 540-700 Kc.	1st I.F. Transformer	C14A C14B
3	Antenna Lead (Yellow)	400 ohms	16 Mc.	S.W.	16 Mc.	S.W. Osc.	C2
4	Antenna Lead (Yellow)	400 ohms	16 Mc.	S.W.	16 Mc.	S.W. Ant.	C5
5. see note 1.	Antenna Lead (Yellow)	400 ohms	16 Mc.	S.W.	Approx. 16.9 Mc.	None - Increase In-put Signal from Test Oscillator approx. 5 times.	
6	Antenna Lead (Yellow)	300 mfd.	600 Kc.	B.C.	600 Kc.	B.C. Osc. Low Frequency Jockey	C8
7	Antenna Lead (Yellow)	300 mfd.	1500 Kc.	B.C.	1500 Kc.	B.C. Oscillator Trimmer	C3
8. see note 2.	Antenna Lead (Yellow)	300 mfd.	1500 Kc.	B.C.	1500 Kc.	B.C. Antenna	C4

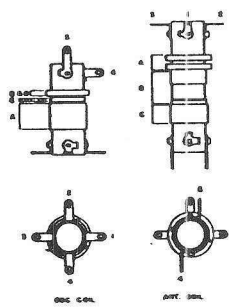
NOTE: - 1. The purpose of step No. 5 is to prove that the Short Wave band has been calibrated to the Signal Frequency and not an image.

On Short Wave the oscillator of this receiver tunes lower than the signal frequency. If the test signal is heard at approx. 16.9 Mc. the oscillator is tuned to the correct frequency.

NOTE: - 2. Alignment of the broadcast band should be made with the loop antenna connected. For convenience it may be necessary to use extension leads between the loop plug and the receiver chassis.



## I.F. 456 KC.



- C1 Paper Tubular .001 mfd. 600 V.
- C2 (S.W. Osc. Trimmer 16 Mc) Variable
- C3 (B.C. Osc. Trimmer 1500 Kc.) Condensers
- C4 (B.C. Ant. Trimmer 1500 Kc.) each 2-22 mmf
- C5 (S.W. Ant. Trimmer 16 Mc.) complete 4 section unit
- C6 B.C. Osc. Padder 600 Kc. 300-850 mmfd.
- C7 Mica 4300 mmfd  $\pm$  5%
- C8A (Tuning Condenser Ant. Section)
- C8B (Tuning Condenser Osc. Section)
- C9 Mica 100 mmfd.
- C10 Mica 100 mmfd.
- C11 Paper Tubular .05 mfd. 400 V.
- C12 Paper Tubular .05 mfd. 400 V.
- C13 Paper Tubular .05 mfd. 400 V.
- C14A Trimmer Condenser
- C14B Trimmer Condenser } Part of T1
- C15 Paper Tubular .05 mfd. 400 V.
- C16A Trimmer Condenser
- C16B Trimmer Condenser } Part of T2
- C16C Mica 100 mmfd.
- C16D Mica 100 mmfd. } Part of T2
- C17 Mica 200 mmfd.
- C18 Paper Tubular .005 mfd. 600 V.
- C19 Paper Tubular .005 mfd. 600 V.
- C20 Paper Tubular .005 mfd. 20% 600 V
- C21 . . . . . .001  $\pm$  40 - 20%
- C22 . . . . . .005  $\pm$  20%
- C23 . . . . . .005  $\pm$  20%
- C24 . . . . . .005  $\pm$  20%
- C25 . . . . . .005  $\pm$  20%
- C26A (Electrolytic Condenser 30 mfd. 450 V)
- C26B (Electrolytic Condenser 30 mfd. 450 V)

