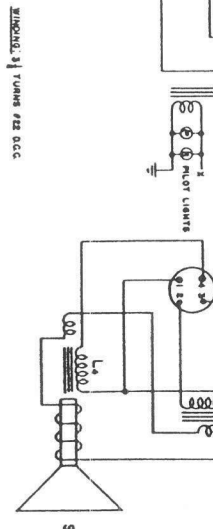
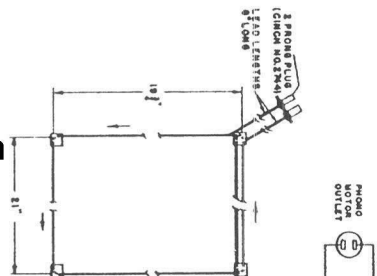
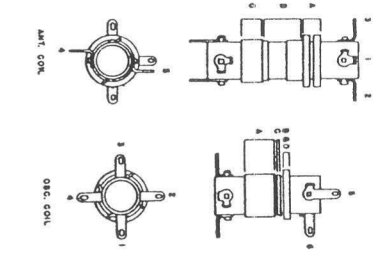
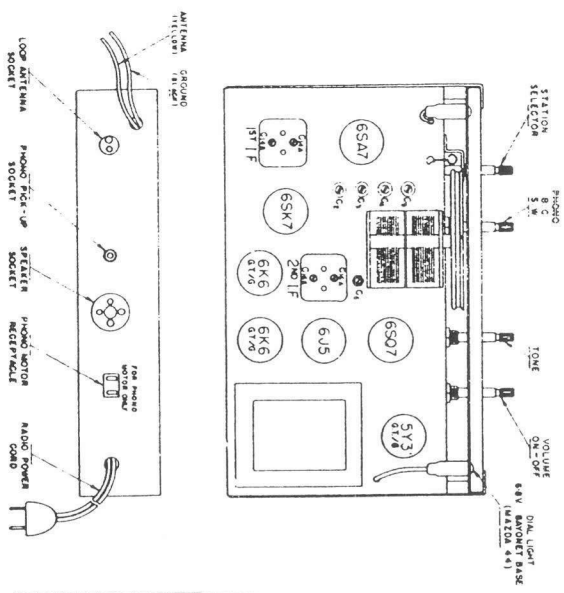


IF = 455 KC.

NOTE:
 ALL VOLTAGES MEASURED TO CHASSIS WITH
 PHONO RADIO SWITCH IN RADIO POSITION,
 METER READING WITH 75,000 OHM LOAD OUT
 PHONO IN RADIO POSITION.
 SELECTOR SWITCH BROKEN IN BROADCAST POSITION

1948-49



Courtesy of nuco.w.com

A C
RADIO-PHONO
MODELS
A44 - B44
ADDISON

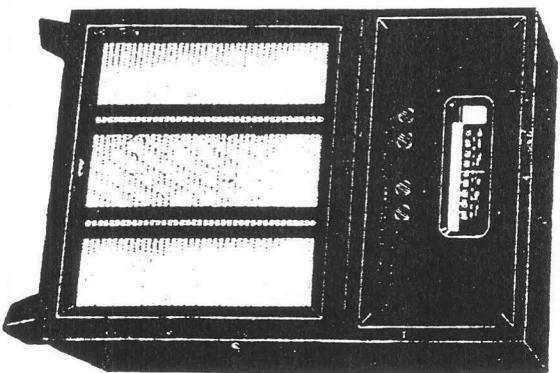
CHART OF ALIGNMENT PROCEDURE

TEST OSCILLATOR							
STEPS IN ALIGNMENT	CONNECTION TO RECEIVER	DUMMY ANTENNA	FREQUENCY SETTING	BAND SWITCH SETTING	RECEIVER DIAL SETTING	CIRCUIT TO ADJUST	SYMBOL ON SCHEMATIC
1.	CONTROL GRID 6SK7 PIN NO. 4	.05 MFD.	456 KC.	B.C.	NO SIGNAL 540-700KC.	2ND I.F. TRANS-FORMER	C16A C16B
2.	CONTROL GRID 6SA7 PIN NO. 8	.05 MFD.	456 KC.	B.C.	NO SIGNAL 540-700 KC.	1ST I.F. TRANS-FORMER	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)	200 MMF.	600 KC.	B.C.	600 KC.	B.C. OSC. LOW FREQUENCY PADDER.	C6
7.	ANTENNA LEAD (YELLOW)	200 MMF.	1500 KC.	B.C.	1500 KC.	B.C. OSCILLATOR TRIMMER	C3
8. SEE NOTE 2.	ANTENNA LEAD (YELLOW)	200 MMF.	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.



Loudspeaker

Type 10" Electrodynamic
Field Resistance 500 ohms
Impedance of V.C. 3.2 ohms at 400 C.P.S

Power Output 6.0 watts
Undistorted
Maximum 8.0 watts

Courtesy of nucow.com

AC.
MODELS

A44

B44

1948-49
IF = 456 KC.

ADDISON

MODEL - 50

VOLUME AND TONE CONTROL

<u>Circuit Designation</u>	<u>Value</u>	<u>Mfrs. No.</u>	<u>IRC No.</u>
30	3M 900K tap	76 F-6	
31A	3M	76 F-9	13-140 Sw.No. 21

Courtesy of nuco.w.com

CAPACITORS

AEROVOX No.

26A,B,C,D	20-30-20-20 mfd. 400-350-300-25V Electrolytic	34 G	PRT450 PRT 25 1468
34	500 mmfd. mica		684
35	.002 600V pp.		684
36 to 45,149	.005 600V pp.		684
46,47,128	.01 600V pp.		684
48,49	.03 600V pp.		684
50	.003 600V pp.		684
55,56,57	Trimmers	13 G	
61	82 mmfd.ceramic -part of item 2		1468
62	68 mmfd.ceramic -part of item 3		1468
63,64	470 mmfd. mica -part of item 4		1468
65	" " " -part of item 8		1468
66,67,68,69	150 mmfd. mica -parts of 2,3,5		1468
70	62 mmfd.ceramic -part of item 5		1468
71	120 mmfd.ceramic		1468
75	1000 mmfd. mica -part of item 8		1467
76,77,143,150	100 mmfd. mica		1468
78	53 mmfd.ceramic		1468
79	12 mmfd.ceramic -part of item 5		1468
80,81	33 mmfd.ceramic -part of item 4		1468
82	30 mmfd. mica -part of item 1		1468
83,130	10 mmfd.ceramic		1468
86	82 mmfd.ceramic		1468
87	39 mmfd.ceramic		1468
88	91 mmfd.ceramic		1468
89	50 mmfd. mica		1468
90,91	27 mmfd.ceramic		1468
114	.05 600V pp.		684
119	15 mmfd.ceramic		1468
144	20 mfd.25V elec.		PRT25
145	4.7 mmfd.		1468
146,147	.01 600V pp.		684

MISCELLANEOUS

1	FM Ant Trans.	88-F
2	I.F. Trans. 10.7-5.825mc (A)	82-F
3	I.F. Trans. 10- (B)	84-F
4	I.F. Trans. 10.7-167.5	85-F

5	Discrim. Trans.	87-F	JENSEN No.
6	1st. Osc. Coil	83-F	
8	Diode Trans.	86-F	
9	BC Ant. Coil	8-G	
10	SW Ant. Coil	33-G	
11 to 23	Parts of 1,2,3,4,5 and 6		
24	FM Osc. Coil	9-G	1035
27	Power Trans.25C.	31-G	1034
27	Power Trans.60C.	30-G	
28A,B	Tuning Cond. and Osc. Coil Assy.	78-F	
122	Speaker 12" PM	45-G	P12S
126	Ant. Loop		
131	FM Osc. Core	89F-59A	
132	Ant. Core	89F-60	
135	Output Trans.	14F-2	7/8x7/8
141	Osc. Crystal	36G	

MODELS - A44,B44

VOLUME AND TONE CONTROL

<u>Circuit Designation</u>	<u>Value</u>	<u>Mfrs. No.</u>	<u>IRC No.</u>
R12	2 Meg. 400K Tap	76	13-139X Sw.No. 21
R15	2 Meg.	78	13-139

CAPACITORS

AEROVOX No.

C1,C21	.001 600V pp.		
C2 to C5	Trimmer Assy.	56A	5%
C7	4300 mmfd. mica		1467
C8A,B	Tuning Gang	48	
C9,C10	100 mmfd. mica		1468
C11,C12,C13,C15	.05 400V pp.		484
C16A to D,C17	Parts of T2		
C18,C19,C20,C22			
C23,C24,C25	.005 600V pp.		684
C26A,C26B	30-30 mfd.450V Electrolytic	99	PRT450

MISCELLANEOUS

JENSEN No.

T1	1st. I.F. Trans.	72	
T2	2nd. I.F. Trans.	73	
T3	Power Trans. 25C	9A	1021
T3	" " 60C	10A	1020
T4	Output Trans.	4A	2430
L2A,B,C	Ant. Coil Assy.	35A	
L3A to D	Osc. Coil Assy.	34A	
S	Speaker 10"	3A	
S	Field Coil 500Ω		
S	Speaker with Trans.	52A	

IRC FIXED RESISTORS

<u>Metallized:</u>	<u>Type</u>	<u>Wire Wound:</u>	<u>Type</u>
1/2 watt 470Ω to 22 meg.	BTS	1/2 watt .47 to 820Ω	BW-1/2
1 watt 330Ω to 22 meg.	BTA	1 watt .47 to 5100Ω	BW-1
2 watt 470Ω to 22 meg.	BT-2	2 watt 1 to 8200Ω	BW-2

For replacing resistors rated from 5 to 10 watts IRC type AB is recommended. Their resistance values range from 1 to 50,000 ohms. Note however that above 25,000 ohms type AB should not be called upon to dissipate more than 5 watts. Type DG is recommended in this case.