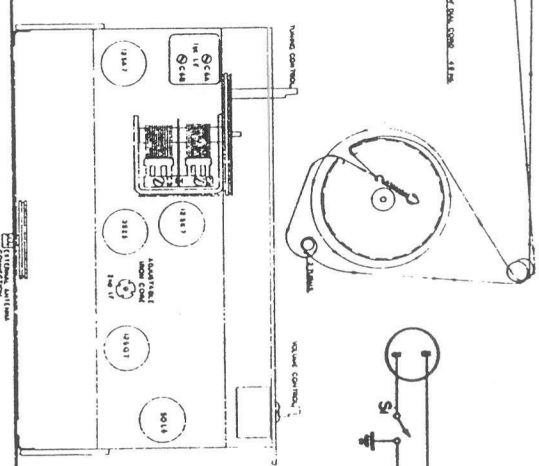


- R1 22,000 ohms 1/4 W. Resistor
- R2 2.2 Meg. 1/4 W. "
- R3 47,000 ohms 1/4 W. "
- R4 1 Meg. Volume Control
- R5 22 ohms 1/2 W. Resistor
- R6 10 Meg. 1/4 W. "
- R7 .47 Meg. 1/4 W. "
- R8 .47 Meg. 1/4 W. "
- R9 150 ohms 1/2 W. "
- R10 1200 ohms 1 W. "

- C1 .001 Mfd. Paper 600 V. Condenser
- C2A Variable (Ant. Section) "
- C2B Variable (Osc. Section) "
- C3 Trimmer (Ant. 1500 Kc.) on C2A
- C4 Trimmer (Osc. 1500 Kc.) on C2B
- C5 100 Mmfd. Mica
- C6A Trimmer (On Input Trans. T1)
- C6B Trimmer (On Input Trans. T1)
- C7 .05 Mfd. Paper 400 V. "
- C8 .05 Mfd. Paper 600 V. "
- C9 220 Mmfd. Mica (Part of T2)
- C10 220 Mmfd. Mica
- C11 .001 Mfd. Paper 600 V. "
- C12 220 Mmfd. Mica
- C13 .005 Mfd. Paper 600 V. "
- C14 .01 Mfd. Paper 600 V. "
- C15A 40 Mfd. Filter Paper 150 V. "
- C15B 40 Mfd. Filter Paper 150 V. "
- C16 500 Mmfd. Mica "

- L1 Loop Antenna
- L2 Oscillator Coil
- L3 Antenna Primary Coil
- T1 Transformer I.F. Input
- T2 Transformer I.F. Output
- T3 Transformer Output



Courtesy of [nucow.com](http://nucow.com)

ALIGNMENT PROCEDURE

35Z5GT. I.F. = 456 KC.

1947-48  
AC-DC.  
MODEL  
21

Steps in Alignment	Test Oscillator		Receiver Dial Setting	Circuit to Adjust	Symbol on Schematic
	Connection to Receiver	Dummy Antenna			
1.	Control Grid 12SK7 Pin No. 4	.05 Mfd.	456 Kc.	No Signal 540-700 Kc.	Adjustable Iron Core C8A C8B
2.	Control Grid 12SA7 Pin No. 8	.05 Mfd.	456 Kc.	No Signal 540-700 Kc.	1st I.F. Transformer C6A C6B
3.	Antenna Clip Back of Chassis	50 Mmfd.	1500 Kc.	1500 Kc.	Oscillator Trimmer C4
4.	Antenna Clip Back of Chassis	50 Mmfd.	1500 Kc.	1500 Kc.	Antenna Trimmer C3

MODEL - 16				VOLUME CONTROL				MISCELLANEOUS				JENSEN No.
Circuit Designation	Value	Mfrs. No.	IRC No.									
R6	1 Meg.	5	13-137 Sw.No. 22	CAPACITORS				AEROVOX No.	L1	Loop Ant.	47D	
C1 to C4	Tuning Gang	40A							L2	Osc. Coil	10D	
C5,C7	.05 400v pp.		484						L3	Ant. Primary Coil	25D	
C6,C14	.1 200v pp.		284						T1	1st. I.F. Trans.	66A	
C8	50 mmfd. mica		1468						T2	2nd. I.F. Trans.	67A	
C11	250 mmfd. mica		1468						T3	Output Trans.	55A	2410
C12,C16	.003 600v pp.		684						S	Speaker P.M.	9B	P4V
C13	100 mmfd. mica		1468						MODELS - A14, B14			
C15	.02 600v pp.		684						VOLUME AND TONE CONTROL			
C17	10 mfd. 150v Electrolytic		PRT150						Circuit Designation	Value	Mfrs. No.	IRC No.
MISCELLANEOUS				JENSEN No.					R12	2 Meg.	76	13-139X Sw. No. 21
L1	Ant. Coil	12							R15	2 Meg.	76	13-139
L2	R.F. Coil	13							CAPACITORS			
L3	B.C. Osc. Coil	14							C1	.001 600v pp.		684
T1	1st. I.F. Trans.	10							C2 to C5	Trimmers	56A	
T2	2nd. I.F. Trans.	11							C7	4300 mmfd. mica	5%	1467
T3	Output Trans.	61	2410						C8A,C8B	Tuning Gang	48	
S	Speaker P.M.	20	P5V						C9,C10	100 mmfd. mica		1468
MODEL - 19				VOLUME CONTROL				MISCELLANEOUS				JENSEN No.
Circuit Designation	Value	Mfrs. No.	IRC No.						C11,C12,C13,C15	.05 400v pp.		484
R6	1 Meg.	15B	13-137 Sw.No. 22						C18,C19	.005 600v pp.		684
Courtesy of nucow.com				CAPACITORS				AEROVOX No.	C20,C22,C23,C24	.005 600v pp.	20%	684
C1,C12	.05 400v pp.		484						C25	.001 600v pp.	+40 - 20%	684
C2A,C2B,C3,C4	Tuning Gang	19B							C21	30-30 mfd. 450v Electrolytic		PRT450
C5,C11	100 mmfd. mica		1468						MISCELLANEOUS			
C6	.1 200v pp.		284						T1	1st. I.F. Trans.	72	
C9	220 mmfd. mica		1468						T2	2nd. I.F. Trans.	73	
C10	.001 600v pp.		684						T3	Power Trans. 25 C.	9A	1011
C13	.005 600v pp.		684						T3	Power Trans. 60 C.	10A	1010
C14	.003 600v pp.		684						T4	Output Trans.	4A	2430
C15	10 mfd. electro.		PRT150						L1	Loop Ant.	68	
MISCELLANEOUS				JENSEN No.					L2A,B,C	Ant. Coils	35A	
L1	Ant. Coil	24B							L3A,B,C,D	Osc. Coils	34A	
L2	Osc. Coil	23B							L4	Field Coil		500.
T1	1st. I.F. Trans.	20B							S	Speaker 10"	3A	
T2	2nd. I.F. Trans.	21B							Speaker with Trans. 52A			
T3	Output Trans.	18B	2410						MODEL - L-2			
S	Speaker P.M.	9B	P4V						VOLUME CONTROL			
MODEL - 21				VOLUME CONTROL				MISCELLANEOUS				JENSEN No.
Circuit Designation	Value	Mfrs. No.	IRC No.						Circuit Designation	Value	Mfrs. No.	IRC No.
R4	1 Meg.	82A	13-137 Sw.No. 21						R4	1 Meg.	82A	13-137 Sw.No. 21
CAPACITORS				AEROVOX No.					CAPACITORS			
C1,C11	.001 600v pp.		684						C1,C11	.001 600v pp.		684
C2A,C2B,C3,C4	Tuning Gang	7D							C2A,C2B,C3,C4	Tuning Gang	54A	
C5	100 mmfd. mica		1468						C5	100 mmfd. mica		1468
C7	.05 400v pp.		484						C7	.05 400v pp.		484
C8	.05 600v pp.		684						C8	.05 600v pp.		684
C9,C10,C12	220 mmfd. mica		1468						C9,C10,C12	220 mmfd. mica		1468
C13	.005 600v pp.		684						C13	.005 600v pp.		684
C14	.01 600v pp.		684						C14	.01 600v pp.		684
C15A,C15B	40-40 mfd. 150v Electrolytic	74A	PRT150						C15A,C15B	40-40 mfd. 150v Electrolytic	74A	PRT150
C16	500 mmfd. mica		1468						MISCELLANEOUS			
MISCELLANEOUS				JENSEN No.					L1	Loop Ant.	73A	
L1	Ant. Coil	24B							L2	Osc. Coil	79A	
L2	Osc. Coil	23B							T1	1st. I.F. Trans.	66A	
T1	1st. I.F. Trans.	20B							T2	2nd. I.F. Trans.	67A	
T2	2nd. I.F. Trans.	21B							T3	Output Trans.	55A	2410
T3	Output Trans.	18B	2410						S	Speaker P.M.	9B	P4V
S	Speaker P.M.	9B	P4V									