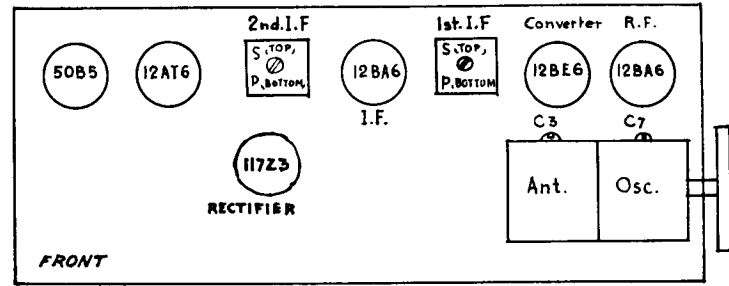
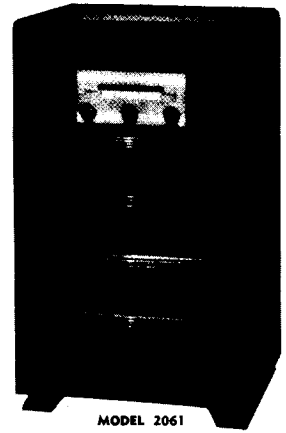


ALIGNMENT AND TUBE LOCATION CHART



MODEL 2061



MODEL 2061

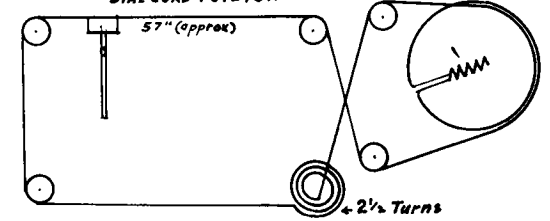
**SPECIFICATIONS**

Voltage Rating 105-125 Volts A.C.  
 Type of Circuit ..... Superheterodyne  
 Tuning Range ..... 540 kc.-1640 kc.  
 Input Power Rating ..... 40 watts at 117 line volts  
 Intermediate Frequency ..... 455 kc.  
 Speaker Voice Coil Impedance (P.M.) ..... 6-8 ohms, 400 cycles  
 Power Output ..... Maximum 2.0 watts, 10% distortion 1.2 watts

**IDENTIFICATION TABLE**

Model	Chassis	Cabinet	Speaker	Phono Equip.
W	02743	02755	48995	148975—25 cycle or
M	02743	02820	48995	148976—60 cycle

**DIAL CORD ARRANGEMENT  
 VIEWED FROM FRONT  
 DIAL CORD P.C. 124011**



WHEN DRIVE PULLEY AND POINTER ARE IN POSITION SHOWN, GANG CONDENSER IS IN CLOSED POSITION.

**SEE PARTS LIST ON PAGE 90**

**Number and Type of Tubes—6**

- 1—12BA6 ..... R.F. Amplifier
- 1—12BE6 ..... Converter
- 1—12BA6 ..... I.F. Amplifier
- 1—12AT6 ..... Det., AVC, 1st Audio Amplifier
- 1—50B5 ..... Power Output
- 1—117Z3 ..... Rectifier

**VOLTAGE CHART FOR MODEL 2061**

SOCKET	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
12BA6	R.F. Amplifier	-9	0	(13.)	(24)	50	100	0	—
12BE6	Converter	-8.	0	(24.)	(36)	100	100	-7	—
12BA6	I.F. Amplifier	-7	0	(36)	(49)	100	100	0	—
12AT6	Demod. A.V.C. 1st Audio	-7	0	(13)	0	-7	-7	44	—
50B5	Power Output	0	5.8	(49)	(100)	100	100	0	—
117Z3	Rectifier	—	103	0	(117)	(117)	103	0	—

**ALIGNMENT PROCEDURE 2061**

Band and Pointer Setting	Generator Setting	Input and Dummy	Meter Connections	Trimmer Adjustments and Notes
<b>I.F. ALIGNMENT</b>				
Lower end of band.	455 KC.	Signal generator ground lead to B minus (common bus) through 2 mfd. capacitor. "Hot" lead through .1 mfd. capacitor to No. 1 pin 12BA6 I.F. socket.	Output meter across voice coil.	Adjust the iron cores (top and bottom) of the 2nd I.F. transformer for maximum output with minimum signal input. Signal should be approx. 5,000 uvs.
Lower end of band.	455 KC.	Leave signal generator ground to B minus. Connect "hot" lead through .1 mfd. capacitor to No. 7 pin 12BE6 socket.	Output meter across voice coil.	Adjust the iron cores (top and bottom) of the 1st I.F. transformer for maximum output, with minimum signal input. Signal should be approx. 300 uvs.  Return to 2nd I.F. transformer and adjust the bottom core to attain maximum overall sensitivity of 300 uvs. or better and correct tracking.
<b>R.F. ALIGNMENT</b>				
With gang capacitor fully meshed, adjust pointer to coincide with "set up" point at the top left-hand edge of the dial frame.				
Extreme high frequency end of the scale.	1650 KC.	Hazettine loop or equivalent.	Output meter across voice coil.	Adjust the oscillator trimmer capacitor so that it is just possible to tune through the 1650 kc. signal without going off scale.
1400 KC.	1400 KC.	Hazettine loop or equivalent.	Output meter across voice coil.	Adjust the antenna trimmer capacitor for correct tracking and maximum sensitivity. It will be necessary to "rock" the gang while this adjustment is being made.  Re-check sensitivity at 1600 kc. and 600 kc.

**MODEL - 2061 STROMBERG-CARLSON**

VOLUME AND TONE CONTROLS

Circuit Designation	Value	Mfrs. No.	IRC No.
R11	1 Meg.	145976	13-137X Sw. No. 21
R21	2 Meg.	145978	13-139
<u>CAPACITORS</u>			
C1,C4	200 mmfd. ceramic	01681	AEROVOX No. 1468
C2,C6	Tuning Gang	110190	
C5	.05 600v pp.	29891C	684
C8,C20	50 mmfd. ceramic	01682	1468
C9,C13,C27	.05 400v pp.	24994C	484
C12,C21	500 mmfd. ceramic	01686	1468
C16,C17,R8	Filter Assy.	110478	
C18,C22	.005 600v pp.	27760C	684
C19,C26,C31	.01 mfd. pp.	25485C	684
C23,C24	50-80 mfd.	111980	PRT150
C25	.025 600v pp.	110999	684
C28	750 mmfd. ceramic	110995	1468
C29	.02 600v pp.	25484C	684
C30	15 mmfd. ceramic	01685	1468
C32	25 mfd. 25v	01440	PRT 25
<u>MISCELLANEOUS</u>			
L1,L2	Osc. Coil	114247	JENSEN No.
L3,L4	1st. I.F. Trans.	114364	
L5,L6	2nd. I.F. Trans.	114337	
L7,L8	Output Trans.	161385	Special
L9	Filter Choke	161196	
	Loop	139994	
	Speaker 8" PM	48995	P8V

**MODEL - 9W501**

VOLUME AND TONE CONTROLS

Circuit Designation	Value	Mfrs. No.	IRC No.
R14	1 Meg.	S-5269	13-137 Sw.No. 21
R15	500k	S-5284	13-133X
<u>CAPACITORS</u>			
C1,C2,C5,C6	Tuning Gang	S-5383	
C3,C24	220 mmfd.	S-4221	20% 1468
C4,C11,C25	.05 200V pp.		20% 484
C6A	8 mmfd.	S-5384	5% 1468
C7	.1 400V pp.		10% 484
C12,C15,C21	.01 200V pp.		20% 684
C13	.005 200V pp.		10% 684
C8	Capristor	S-4523	1468
C14	.1 400V pp.		10% 484
C16,C17	Capristor	S-4614	1468
C23	.003 200V pp.		10% 684
C28,C29	.005 600V pp.		10% 684
C22	.015 200V pp.		10% 684
C26,C27	.01 400V pp.		20% 684
C30,C31	50-80 mfd.	S-5286	PRT150
C32	.035 400V pp.		10% 684
C20	10 mmfd.	S-5385	10% 1468
<u>MISCELLANEOUS</u>			
L1,L2	Loop Assy.	S-5282	JENSEN No.
L3,L4	Osc. Coil	S-5283	
L6,L7	1st. I.F. Trans.	S-4487	
L8,L9	2nd. I.F. Trans.	S-4662	
L10, L11	Output Trans.	S-5285	2420
L12	Speaker 8" PM		P8V
L12	Cone and v.c.	S-4748	
	Selenium Rect.	S-5382	

**MODEL - BT504**

VOLUME CONTROL

Circuit Designation	Value	Mfrs. No.	IRC No.
R8	1 Meg.	S-5562	13-137 Sw. No. 22
<u>CAPACITORS</u>			
C2,C3,C9	Trimners	S-5561	
C4,C6,C12,C13	Tuning Gang	S-5367	
C5	100 mmfd. ceramic	73152	20% 1468
C7	56 mmfd. ceramic	71924	1468
C8	120 mmfd. mica	12724	5% 1468
C10	390 mmfd. mica	S-5419	5% 1468
C11	3900 mmfd. mica	S-5258	5% 1467
C17	.003 200V pp.		684
C18,C29	.05 200V pp.		484
C16	4 mmfd. ceramic	S-5128	1468
C22,C23,C24,C25	Multisection	S-5560	
C26	.005 400V pp		684
C27	10 mfd. 150V	S-3221	PRT150
C28			JENSEN No.
<u>MISCELLANEOUS</u>			
L1,L2,L3	Ant. Coil	S-5368	
L4,L5,L6	Osc. Coil	S-5369	
L7,L8	1st. I.F. Trans.	73129	
L9,L10	2nd. I.F. Trans.	73130	
T1	Output Trans.	S-5373	2410
	Speaker 4.5" PM		P4V or P5V
	Cone and v.c.	S-5355	

**MODELS - 533D, 533F**

VOLUME CONTROL

Circuit Designation	Value	Mfrs. No.	IRC No.
R9	2 meg.	S-6013	13-139X Sw. No. 21
<u>CAPACITORS</u>			
C1,C21	.01 mfd. pp.		684
C2,C3	Trimners	S-4450	
C4,C5,C6	Trimners	S-4451	
C7,C10,C15	Tuning Gang	S-6010	
C8	3300 mmfd. mica	S-4441	1467
C9	560 mmfd. mica	S-4440	1468
C11,C16	.056 mfd. pp.		684
C12,C22	220 mmfd. mica	S-4439	1468
C13,R5	Capristor 39 mmfd.	S-4453	1468
C14	6000 mmfd. mica	S-4442	1467
C17	.047 mfd. pp.		684
C18	150 mmfd. ceramic		1468
C19,C23,C24	.0047 mfd. pp.		684
C20	.022 mfd. pp.		684
C25A,B,C	80-40-20 mfd.	S-4452	PRT150,PRT 25
C26	.027 mfd. pp.		684
C27	.035 mfd. pp.		684
<u>MISCELLANEOUS</u>			
L1,L2,L3,L4	Ant. Coil	S-5239 (533F)	
L1,L2	Ant. Coil	S-5241 (533D)	
L5,L6,L7	Osc. Coil	S-5240 (533F)	
L8,R1	Peaking Coil	S-4457	
T1	1st. I.F. Trans.	S-4487	
T2	2nd. I.F. Trans.	S-4488	
	Speaker 6" PM	S-6014	P6V
	Cone and v.c.	S-6046	
	Output Trans.	S-6022	Special
T3	Loop and Back	S-5243 (533D)	

**MODEL - 45E**

VOLUME CONTROL

Circuit Designation	Value	Mfrs. No.	IRC No.
R3	1 Meg.	38406	13-137 Sw.No. 21
<u>CAPACITORS</u>			
C3	.01 200v pp.		684
C4	.0047 600v pp.		684
C5A,B	50-80 mfd	S-6092	PRT150
C6	.018 200v pp.		684
C7	.1 400v pp.		484
C8	.047 400v pp.		484
<u>MISCELLANEOUS</u>			
T1	Speaker 4" PM Output Trans. Cone and v.c.	S-5829 S-5033 S-5575	P4V 2410

**MODEL - 45-EY-3**

VOLUME CONTROL

Circuit Designation	Value	Mfrs. No.	IRC No.
R1	1 Meg.	S-4994	13-137X
<u>CAPACITORS</u>			
C1	.0047 400v pp.		684
C2,C4,C6	.01 400v pp.		684
C3	.1 400v pp.		484
C5A,B	50-80 mfd.	75980	PRT150
<u>MISCELLANEOUS</u>			
	Speaker 4x6 PM Cone and v.c. Output Trans. Selenium Rect. Motor 117V Motor 85v	S-3502 S-4206 S-5729 75940 75760 75937	P46V Special

IRC FIXED RESISTORS

Metallized:	Type
1/2 watt 470 $\omega$ to 22 meg.	BTS
1 watt 330 $\omega$ to 22 meg.	BTA
2 watt 470 $\omega$ to 22 meg.	BT-2
Wire Wound:	Type
1/2 watt .47 to 820 $\omega$	BW-1/2
1 watt .47 to 5100 $\omega$	BW-1
2 watt 1 to 8200 $\omega$	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.