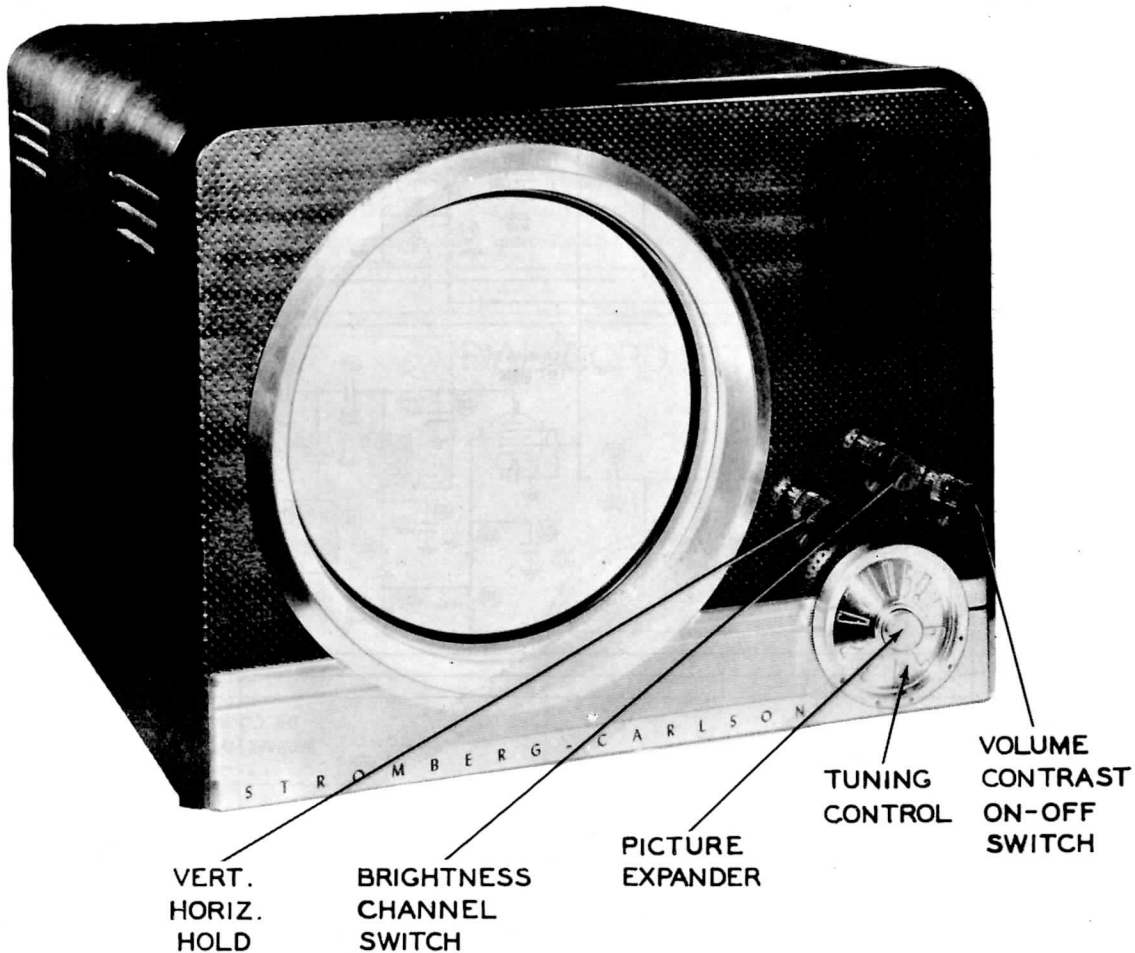


PHOTOFACT* Folder



STROMBERG-CARLSON
MODEL TC-10



STROMBERG-CARLSON
MODEL TC-10

TRADE NAME Stromberg-Carlson, Model TC-10
 MANUFACTURER Stromberg-Carlson Co., 100 Carlson Rd., Rochester 3, New York
 TYPE SET Television Receiver
 TUBES Twenty Two

POWER SUPPLY 110-120 Volts AC-60 Cycle
 TUNING RANGE—Channels 2 thru 13

RATING: 1.8 Amp. @ 117 Volts AC

INDEX

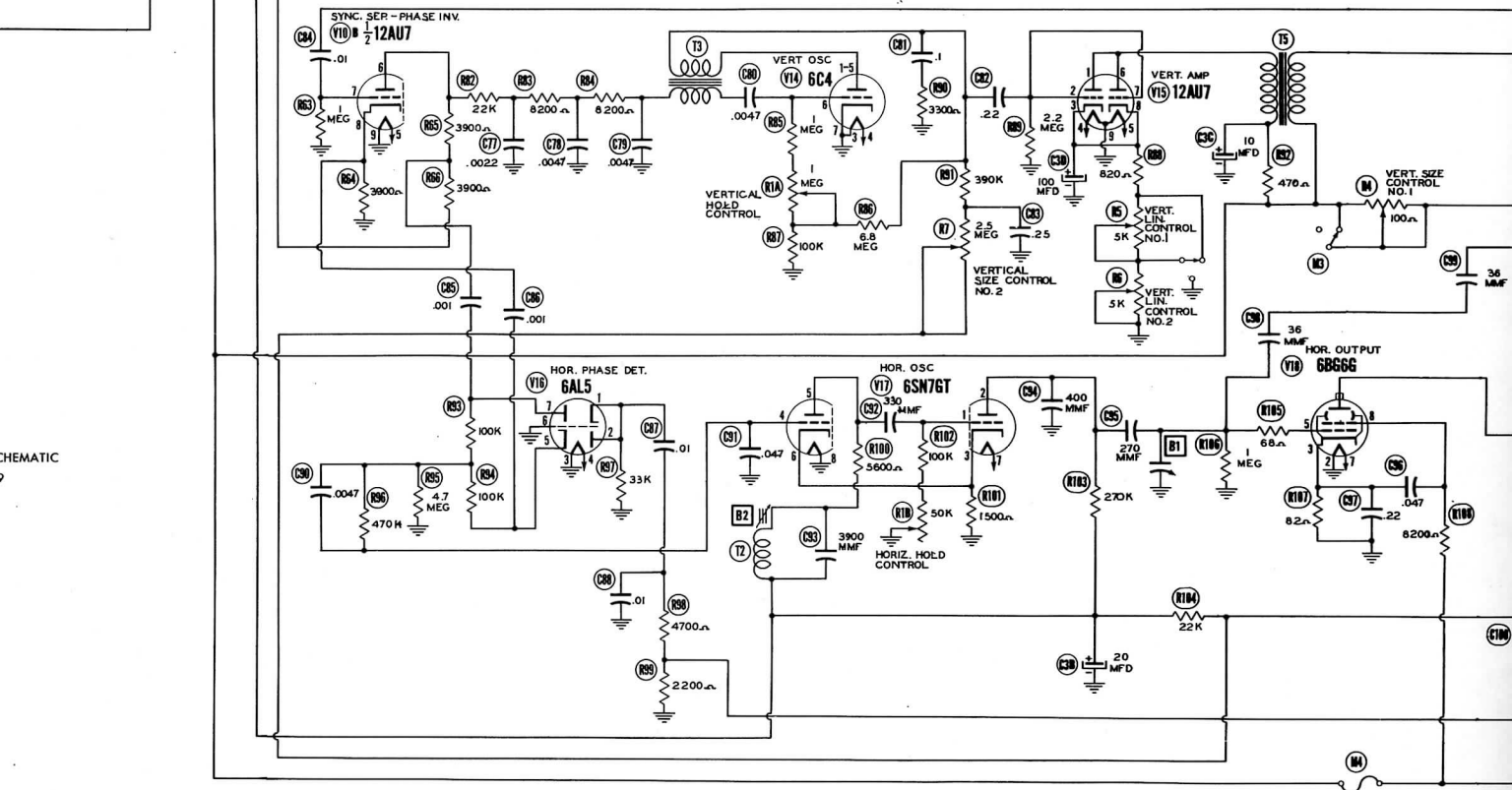
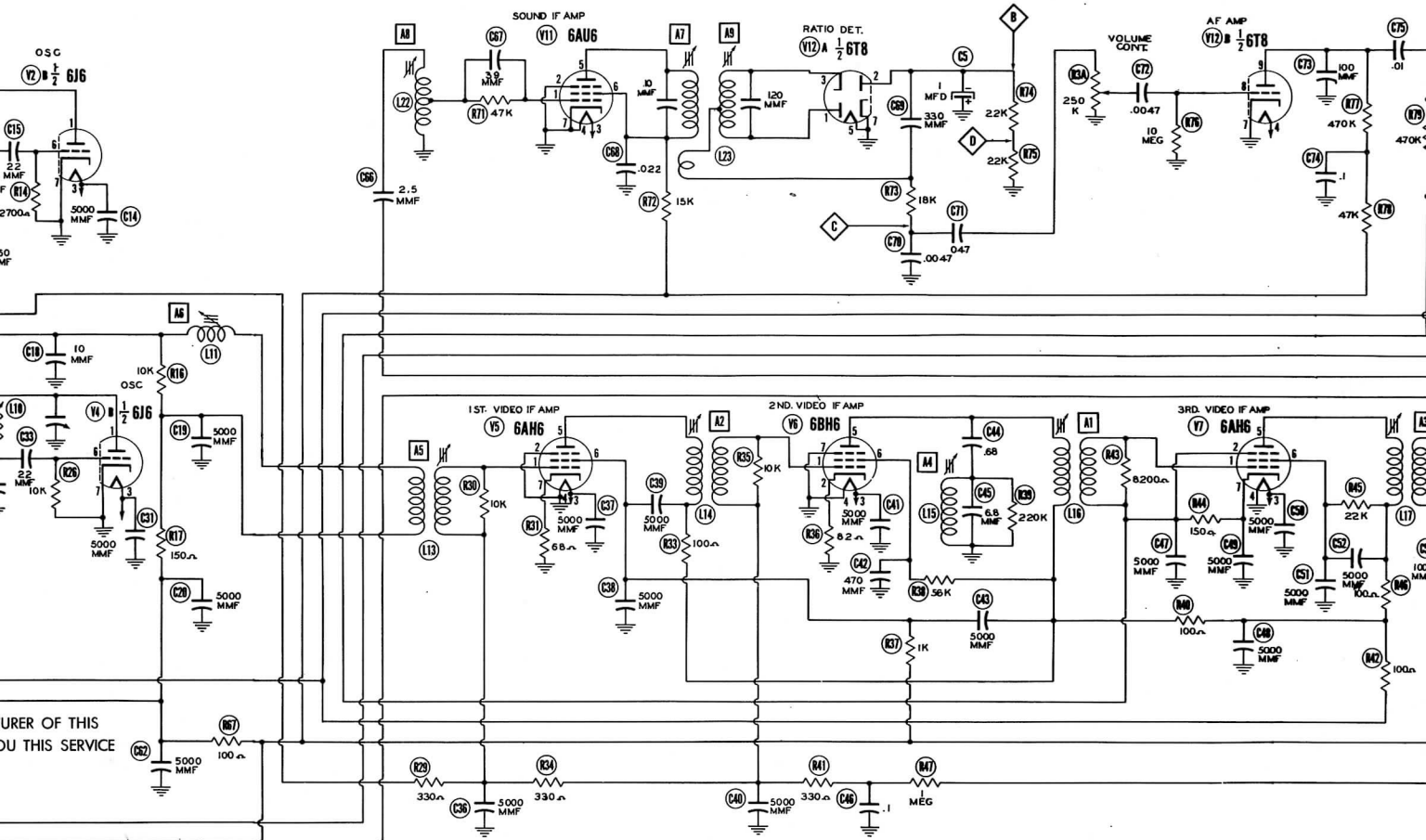
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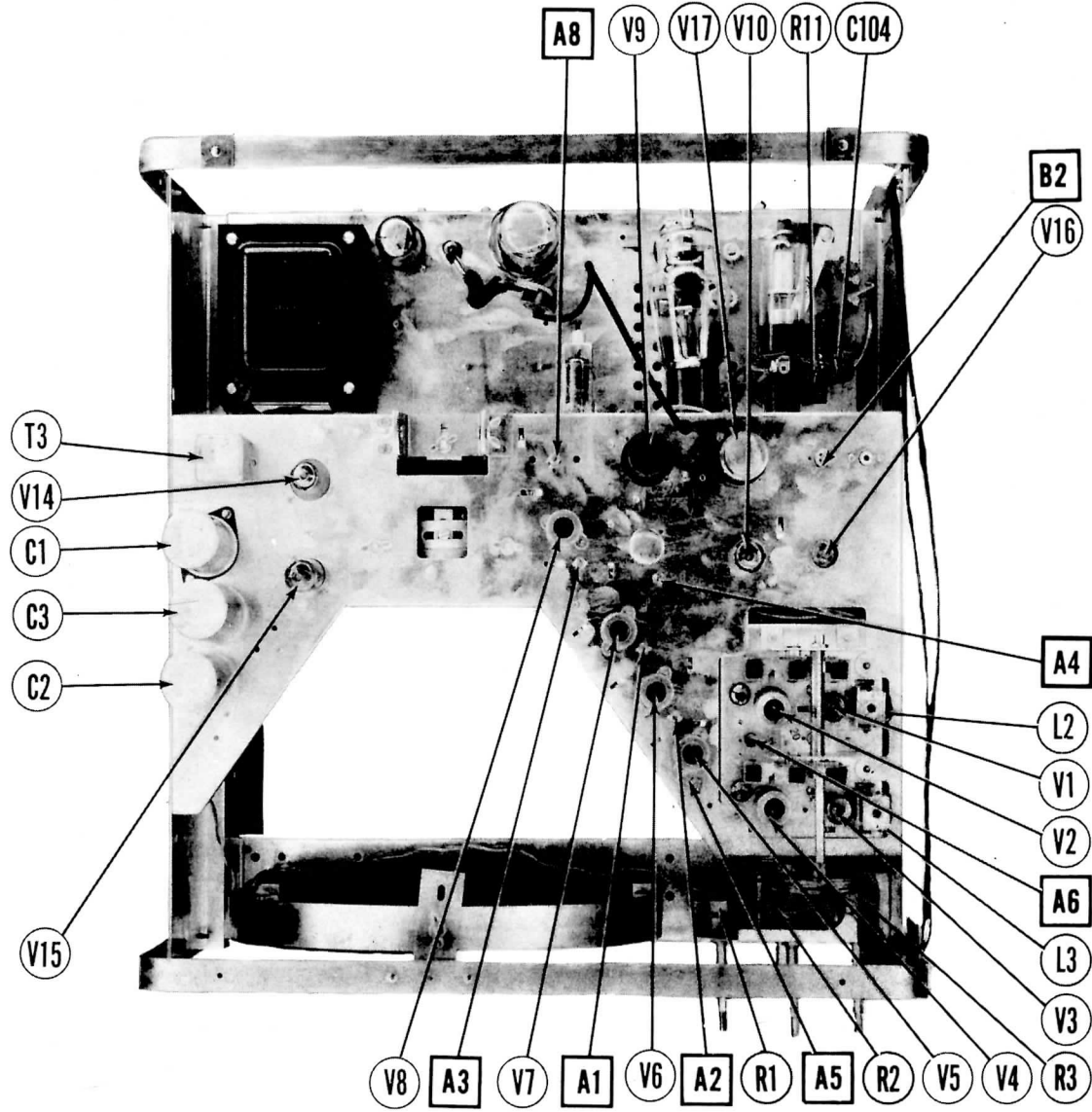
DATE 12/49 SET # 79 FOLDER # 17

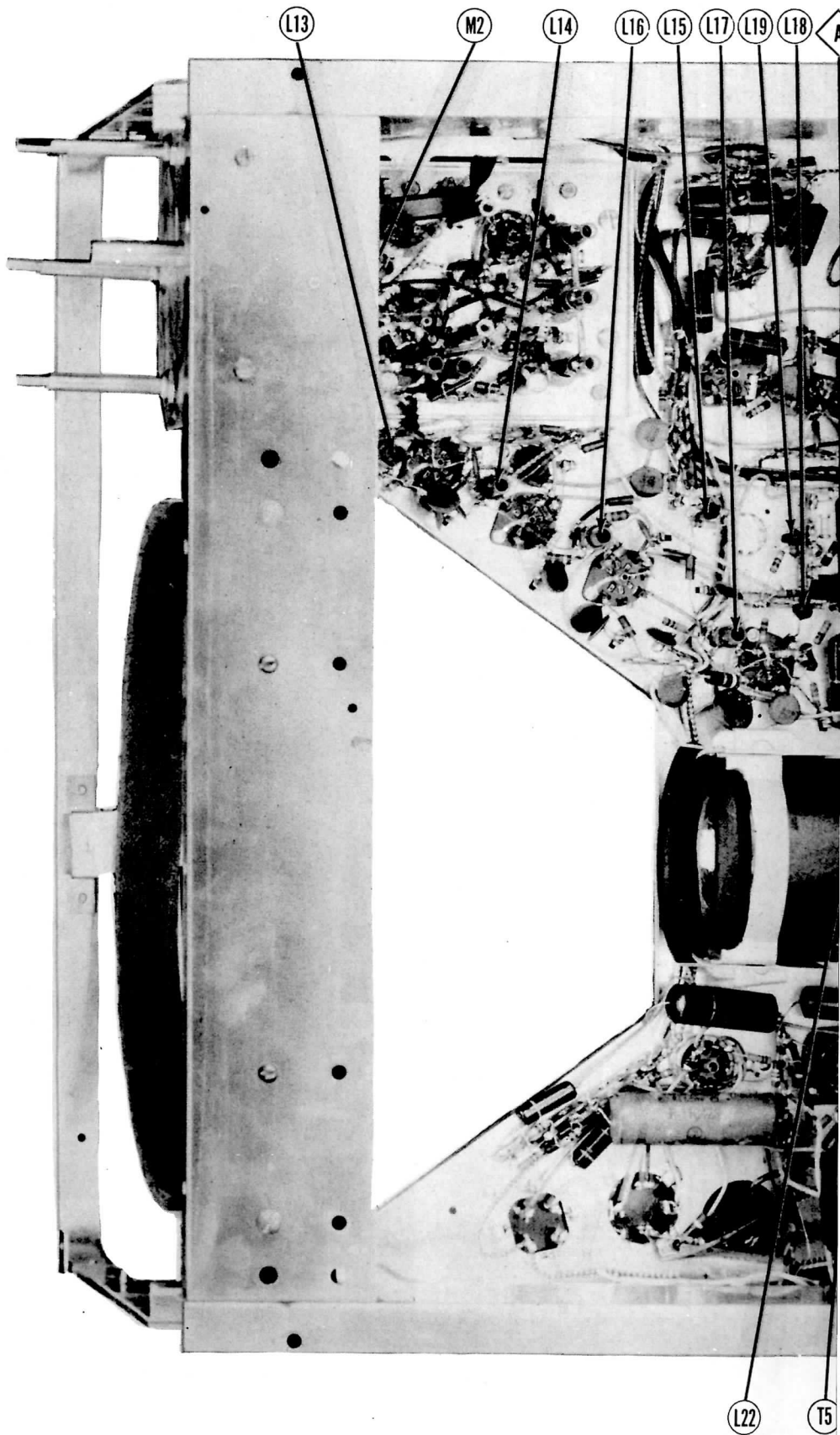


STROMBERG-CARLSON

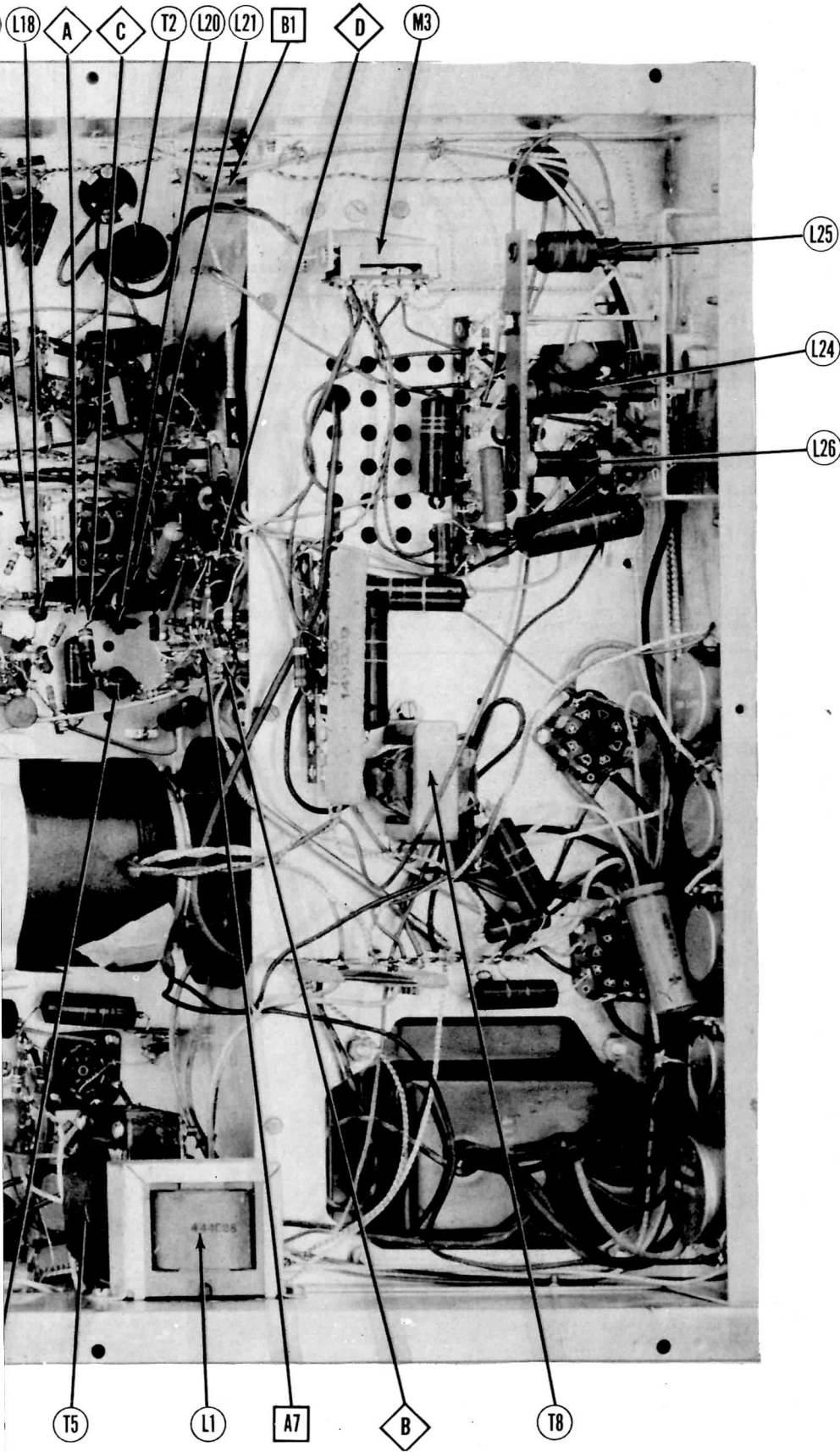
MODEL TC-10

CHASSIS TOP VIEW

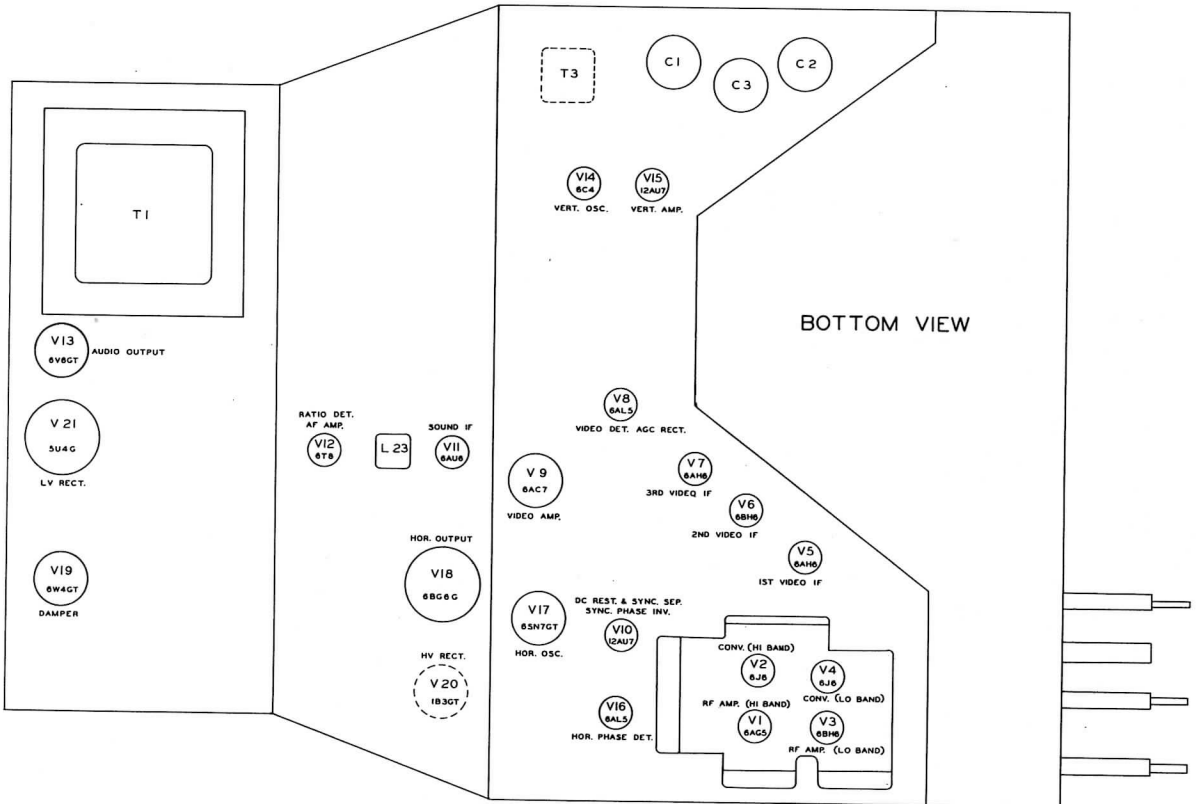
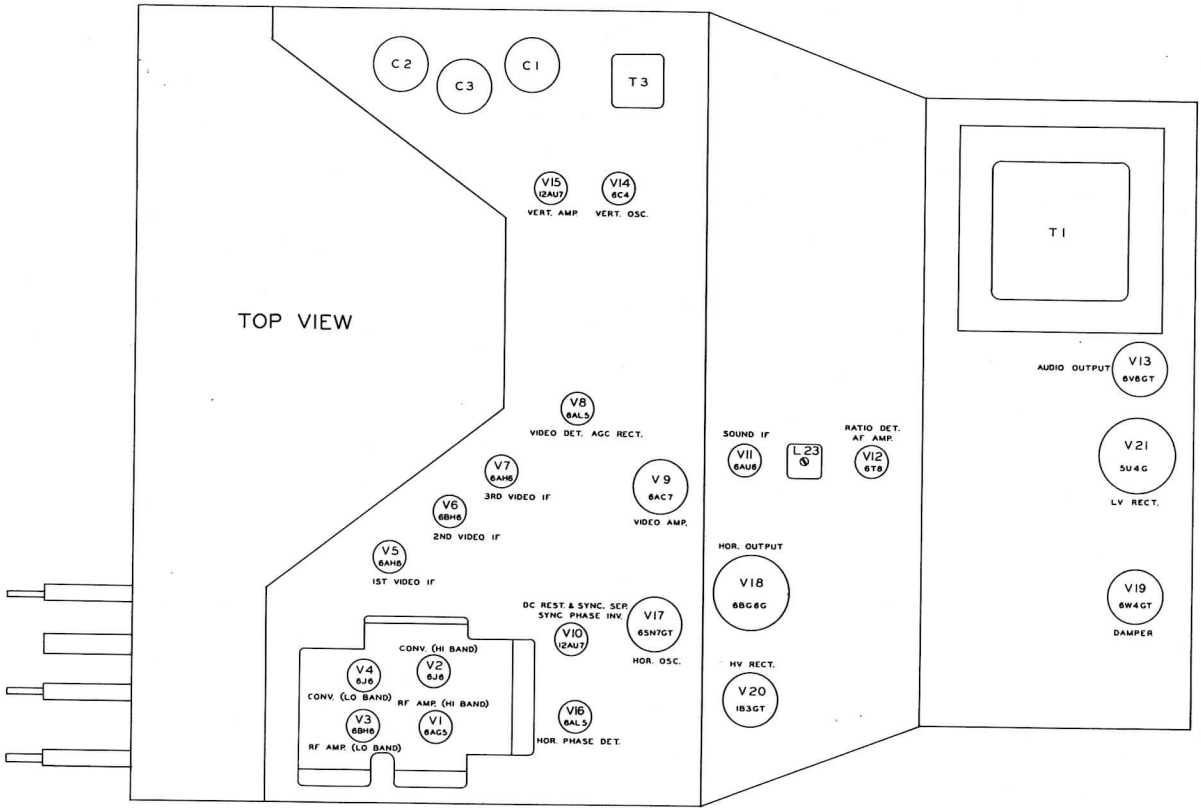




CHASSIS BOTTOM VIEW-TRANS., INDUCTO



DUCTOR AND ALIGNMENT IDENTIFICATION



TUBE PLACEMENT CHART

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

If the picture tube is removed during alignment, remove the horizontal oscillator tube V17, to eliminate the high voltage shock hazard.
 Connect the negative lead of a 3 volt battery to the junction of R41 and R47.
 Connect the positive lead to chassis.
 Set the contrast control to maximum clockwise.

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection.
 Turn the band switch to the "low" band position (counter-clockwise).
 Turn the tuning control to a point where spurious signals from the local oscillator do not distort the pattern on the scope.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. See Fig 1.	High side thru dummy to pin 1 (Grid) of 6BA6 (V5). Low side to chassis.	25MC (10MC Sweep)	23.35MC 26.4MC	See note above	Vert. Amp. to Point \diamond Low side to chassis.	A1,A2, A3	Note that A1 is tuned near 23.35MC, and A2 is tuned near 26.4MC. A3 is tuned between A1, A2. Adjust for response curve similar to Fig 2. The markers should appear at 70%.
2. Direct	High side to un-grounded tube shield floating over converter tube (V4). Low side to chassis.	"	21.9MC (maximum output)	"	"	A4	Adjust for MINIMUM response at 21.9MC as shown in Fig 3.
3. Direct	"	"	23.35MC 26.4MC	"	"	A5,A6	Adjust for response curve similar to Fig 4 with markers at 50%. If necessary SLIGHTLY retouch A1 thru A6 for best symmetry of pattern.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4. .05MFD	High side to pin 4 (Grid) of 6AC7 (V9). Low side to chassis.	4.5MC (Unmod.)	Any channel unused locally	DC Probe to Point \diamond Low side to chassis.	A7,A8	Adjust for maximum deflection.
5. .05MFD	"	"	"	DC Probe to Point \diamond Low side to Point \diamond	A9	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Note that step 4 is performed using 400% AM modulation, if the FM signal generator has no AM modulation, use an AM signal generator for this step. Check to see that the 4.5MC calibrations on both signal generators are accurate.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4. .05MFD	High side to pin 4 (Grid) of 6AC7 (V9). Low side to chassis.	4.5MC (400% Mod.)	Any channel unused locally	Vert. Amp. thru crystal probe Fig 4. to pin 2 (picture tube). Low side to chassis.	A8	Adjust for MINIMUM 400% response on scope.
5. .05MFD	"	4.5MC (450KC Sweep)	"	Vert. Amp. to Point \diamond Low side to chassis.	A9,A7	Adjust A9 so 4.5MC occurs at center of crossover lines as per Fig 5. Adjust A7 for maximum amplitude and straightness of crossover lines.

The RF portion of this receiver is tuned at the factory and should not require adjustment in the field.

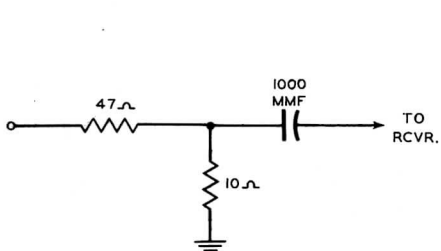


FIG 1

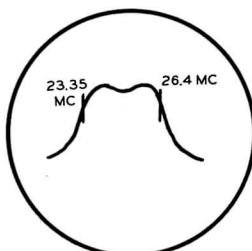


FIG 2

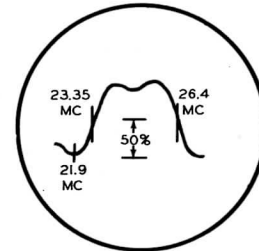


FIG 3

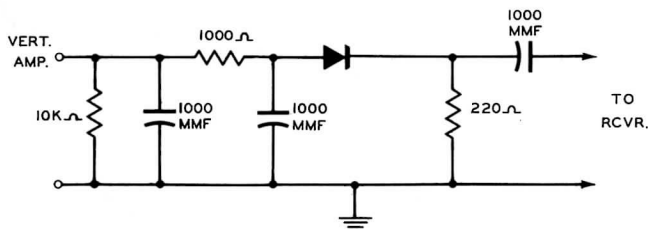


FIG 4

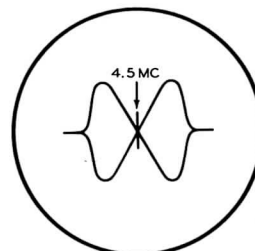
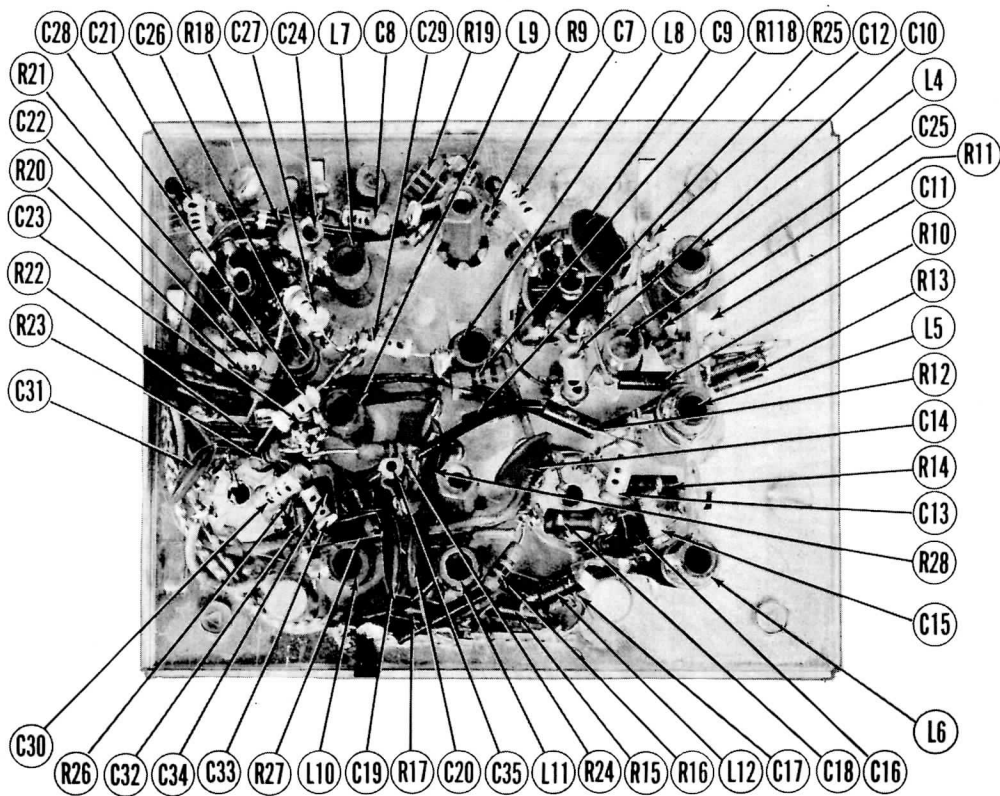
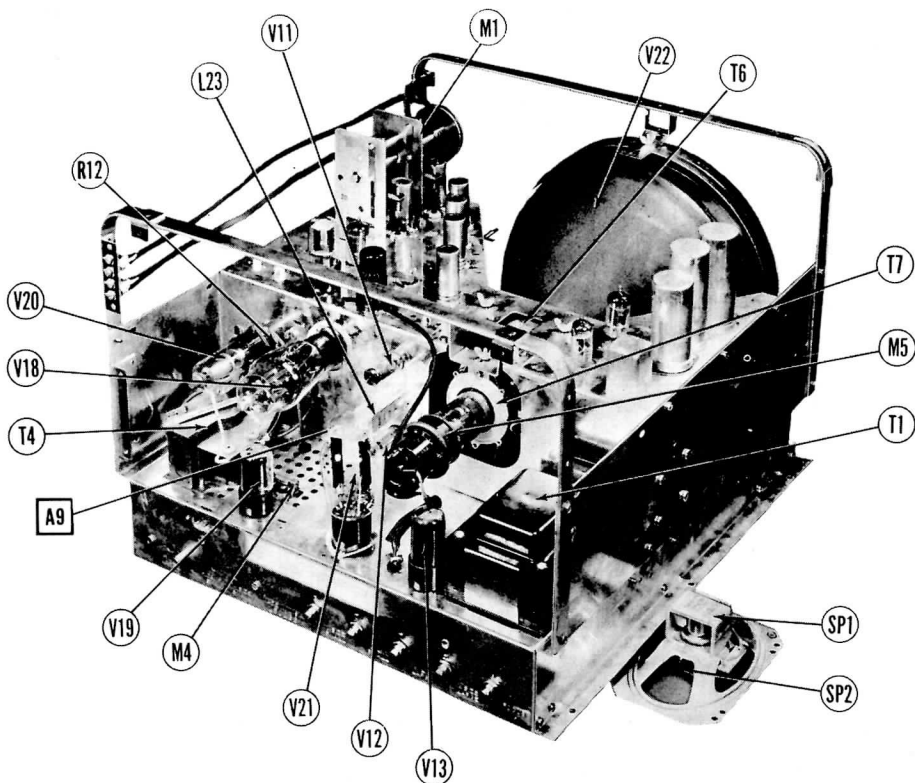


FIG 5



RF TUNER - BOTTOM VIEW



CHASSIS - TOP VIEW

VOLTAGE AND RESISTANCE MEASUREMENTS

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	-.8VDC	0V	6.3VAC	0V	240VDC	145VDC	0V		
V 2	6J6	85VDC	155VDC	6.3VAC	0V	-.8VDC	§-1.5VDC	0V		
V 3	6BH6	-.8VDC	0V	6.3VAC	0V	260VDC	205VDC	0V		
V 4	6J6	85VDC	175VDC	6.3VAC	0V	-4.2VDC	§-10VDC	0V		
V 5	6AH6	-2.3VDC	0V	6.3VAC	0V	250VDC	175VDC	.6VDC		
V 6	6BH6	-.7VDC	-.4VDC	6.3VAC	0V	260VDC	195VDC	0V		
V 7	6AH6	7.5VDC 45VDC	7.5VDC 45VDC	6.3VAC	0V	270VDC	220VDC	8VDC 47VDC		
V 8	6AL5	-.7VDC	-.2VDC	0V	6.3VAC	0V	0V	-2VDC		
V 9	6AC7	0V	6.3VAC	1.8VDC	.2VDC	1.8VDC	170VDC	0V	200VDC	
V 10	12AU7	6VDC	0V	1.4VDC	6.3VAC	6.3VAC	160VDC	0V	7.8VDC	0V
V 11	6AU6	-.5VDC	0V	6.3VAC	0V	85VDC	85VDC	0V		
V 12	6T8	-.5VDC	-.9VDC	-.6VDC	6.3VAC	0V	-.5VDC	0V	-.6VDC	57VDC
V 13	6V6GT	0V	6.3VAC	280VDC	265VDC	40VDC	7.5VDC 45VDC	0V	20VDC 57VDC	
V 14	6C4	250VDC	0V	0V	6.3VAC	250VDC	-90VDC	0V		
V 15	12AU7	370VDC	0V	6VDC 25VDC	6.3VAC	6.3VAC	370VDC	0V	6VDC 25VDC	0V
V 16	6AL5	0V	0V	0V	6.3VAC	2VDC	0V	-1VDC		
V 17	6SN7GT	-4.1VDC	115VDC	15VDC	.2VDC	280VDC	15VDC	6.3VAC	0V	
V 18	6BG6G	0V	0V	7.2VDC	112VDC	-4.3VDC	-4.3VDC	6.3VAC	250VDC	TOP * CAP
V 19	6W4GT	0V	0V	455VDC	0V	380VDC	0V	6.3VAC	0V	
V 20	1B3GT	* DO NOT MEASURE								
V 21	5U4G	0V	390VDC	0V	370VAC	0V	370VAC	0V	390VDC	
V 22	10BP4	0V	1.5VDC	PIN 10 375VDC	PIN 11 110VDC	PIN 12 6.3VAC				

§ Taken with vacuum tube voltmeter.

▲ Measured in High Band position.

◆ Measured in Low Band position.

Note: Size switch set in "Small" position for these readings.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	1.7Meg.	0Ω	.1Ω	0Ω	†3.5KΩ	†35KΩ	0Ω		
V 2	6J6	†11KΩ	†6KΩ	.1Ω	0Ω	100KΩ	2.7KΩ	0Ω		
V 3	6BH6	1.7Meg.	0Ω	.1Ω	0Ω	†3.5KΩ	†35KΩ	0Ω		
V 4	6J6	†11KΩ	†6KΩ	.1Ω	0Ω	100KΩ	10KΩ	0Ω		
V 5	6AH6	1.7Meg.	0Ω	.1Ω	0Ω	†2.5KΩ	†8KΩ	68Ω		
V 6	6BH6	1.7Meg.	82Ω	.1Ω	0Ω	†2.4KΩ	†58KΩ	0Ω		
V 7	6AH6	900Ω 170Ω	900Ω 170Ω	.1Ω	0Ω	†2.4KΩ	†24KΩ	1000Ω 300Ω		
V 8	6AL5	9.3KΩ	680KΩ	0Ω	.1Ω	10Ω	0Ω	1000Ω		
V 9	6AC7	0Ω	.1Ω	750Ω	9.3KΩ	750Ω	†17KΩ	0Ω	†27KΩ	
V 10	12AU7	47KΩ	0Ω	270KΩ	.1Ω	.1Ω	†13KΩ	1 Meg.	3.9KΩ	0Ω
V 11	6AU6	47KΩ	0Ω	.1Ω	0Ω	†20KΩ	†20KΩ	0Ω		
V 12	6T8	Inf.	44KΩ	Inf.	.1Ω	0Ω	Inf.	0Ω	10 Meg.	†470KΩ
V 13	6V6GT	0Ω	.1Ω	†1.7KΩ	†2.2KΩ	470KΩ	900Ω 170Ω	0Ω	1.2KΩ 480Ω	
V 14	6C4	†390KΩ	Inf.	0Ω	.1Ω	†390KΩ	1.2 Meg.	0Ω		
V 15	12AU7	†1000Ω	2.2Meg.	5KΩ 750Ω	.1Ω	.1Ω	†1000Ω	2.2Meg.	5KΩ 750Ω	0Ω
V 16	6AL5	33KΩ	33KΩ	0Ω	.1Ω	4.8Meg.	0Ω	4.8Meg.		
V 17	6SN7GT	130KΩ	†300KΩ	1.5KΩ	5 Meg.	†30KΩ	1.5KΩ	.1Ω	0Ω	
V 18	6BG6G	Inf.	0Ω	82Ω	†300KΩ	1 Meg.	1 Meg.	.1Ω	†8.2KΩ	TOP CAP †4KΩ
V 19	6W4GT	Inf.	Inf.	†4KΩ	Inf.	†95Ω	Inf.	.1Ω	0Ω	
V 20	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	TOP CAP †4KΩ
V 21	5U4G	Inf.	20KΩ	Inf.	46Ω	Inf.	48Ω	Inf.	20KΩ	
V 22	10BP4	0Ω	270KΩ	PIN 10 †1000Ω	PIN 11 70KΩ	PIN 12 .1Ω				

† Measured from pin 2 of V21

▲ Measured in High Band position.

◆ Measured in Low Band position.

Note: Size switch set in small position for these measurements.

- DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measured at 1,000 ohms.
- Pin numbers are counted in a clockwise direction on bottom of socket.
- Measured values are from socket pin to common negative unless otherwise stated.

- Line voltage maintained at 117 volts for voltage readings.
- Front panels controls set at minimum.
- Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given.

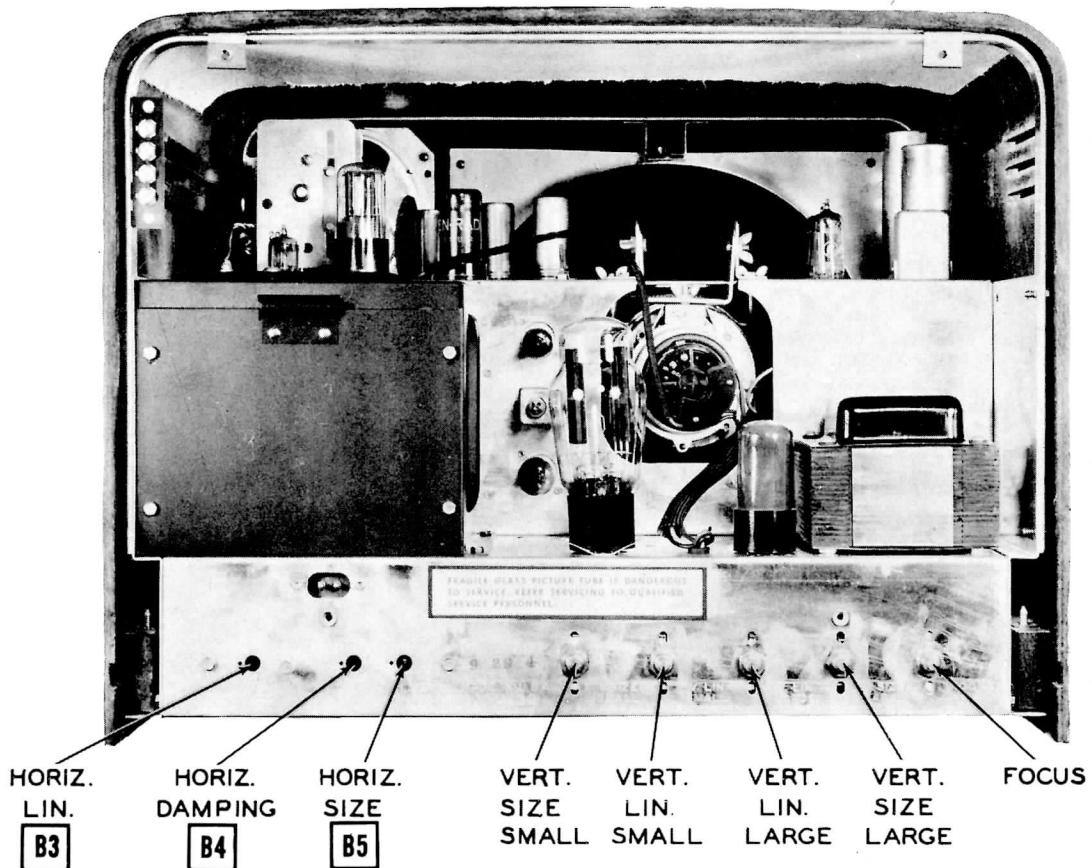
HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

1. Turn the horizontal drive trimmer (B1) (under chassis), clockwise until fully closed, then counter-clockwise 1/2 turn.
2. Turn the set on and set the contrast control to normal. Tune in a TV station, preferably a test pattern, and turn the horizontal hold control to the center of its range. Turn the vertical hold control to synchronize the picture vertically.
3. Turn the horizontal frequency adjustment B2 until the picture synchronizes horizontally. The setting of this adjustment is correct when a sudden twist of the hold control tends to throw the picture out of horizontal synchronization.
4. Turn the horizontal linearity #2, (horizontal linearity large), B3 so the screw protrudes 1/2 in., leave the adjustment in this position.
5. With the picture expander control set in "small" position, adjust the horizontal linearity #1, (horizontal damping small), B4, and the horizontal size, (horizontal size small), B5 for a picture slightly wider than the picture tube face with best linearity from right to left. If the proper width cannot be obtained, it may be necessary to readjust B1. If B1 is changed repeat steps 3, 4 and 5.
6. With the picture expander in the "large" position, no further horizontal adjustment should be necessary.

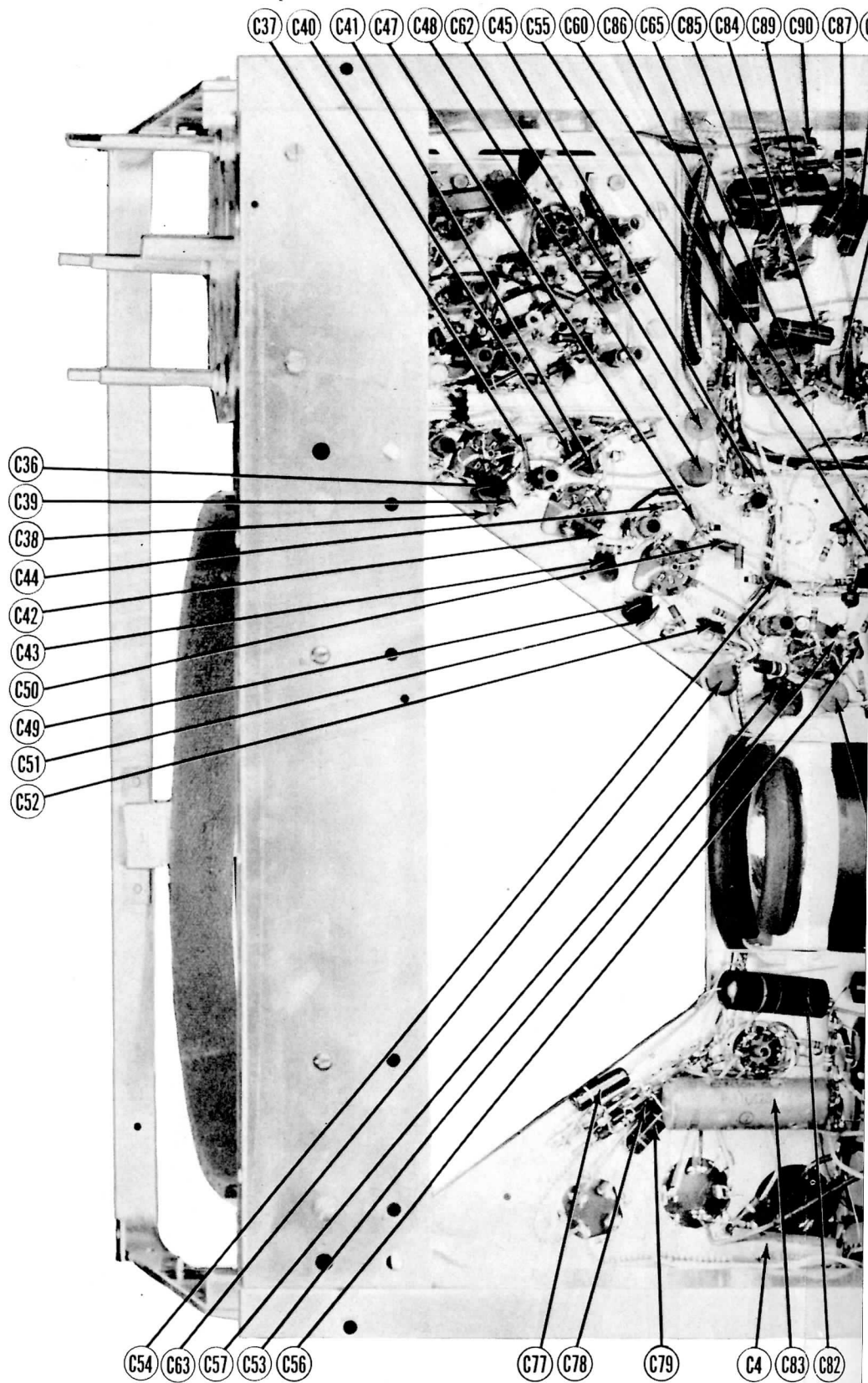
VERTICAL LINEARITY ADJUSTMENTS

The horizontal sweep circuit adjustments should be performed before beginning the vertical linearity adjustments.

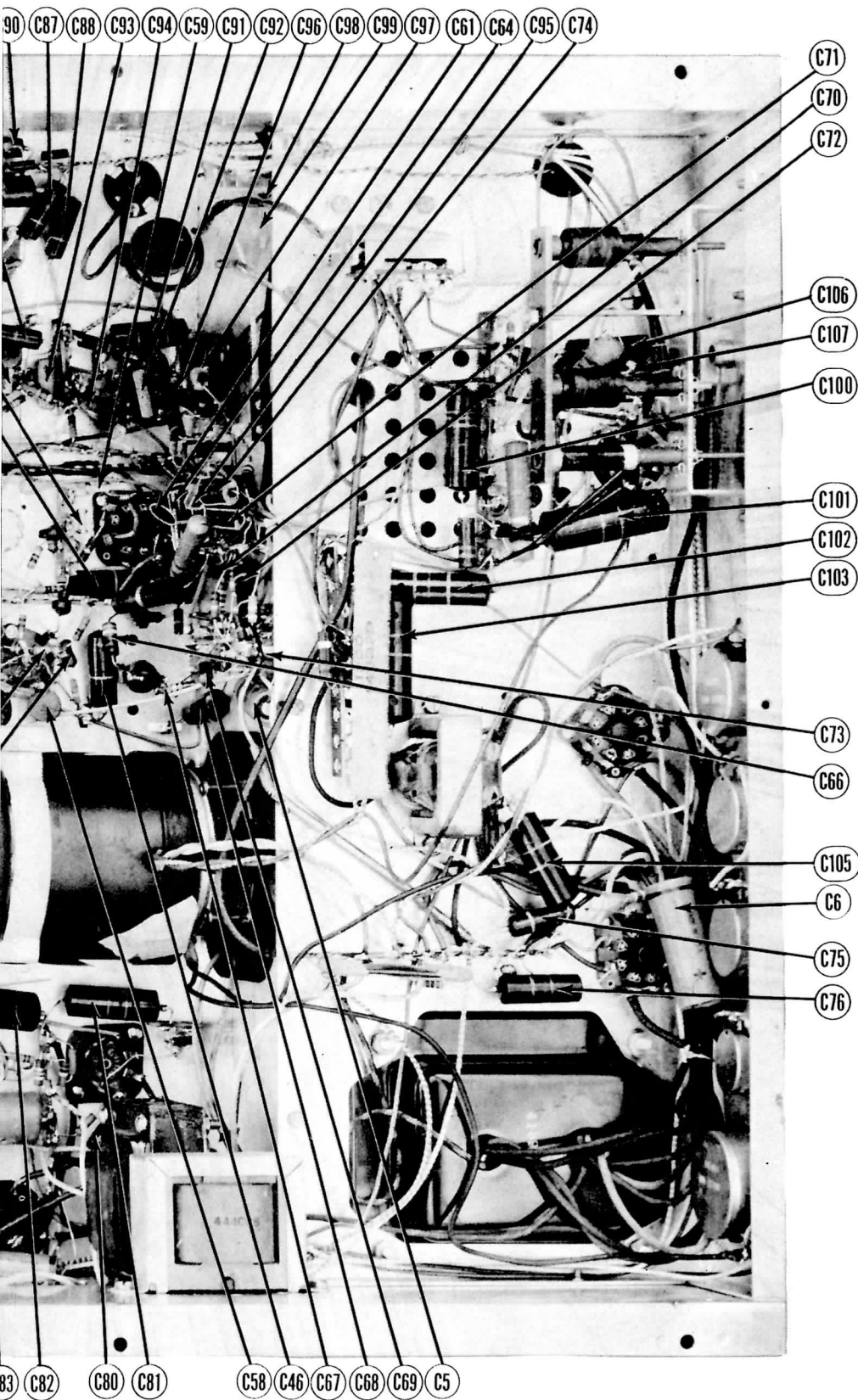
1. Tune in a test pattern from a TV station and turn the contrast control to its normal setting. Turn the vertical hold, and horizontal hold, controls to properly synchronize the picture.
2. Set the picture expander to "large".
3. Adjust the vertical size #2 (vertical size large), control until the outer circle of the test pattern almost disappears off the edge of the picture tube face.
4. Adjust the vertical linearity #2, (vertical linearity large), control for best linearity from top to bottom of the picture. The vertical size and linearity controls are interacting and should be adjusted alternately until proper size with best vertical linearity is obtained.
5. Switch the picture expander to "small".
6. Adjust the vertical size #1, (vertical size small), and the vertical linearity #1, (vertical linearity small), until the picture is of proper size with best linearity from top to bottom.



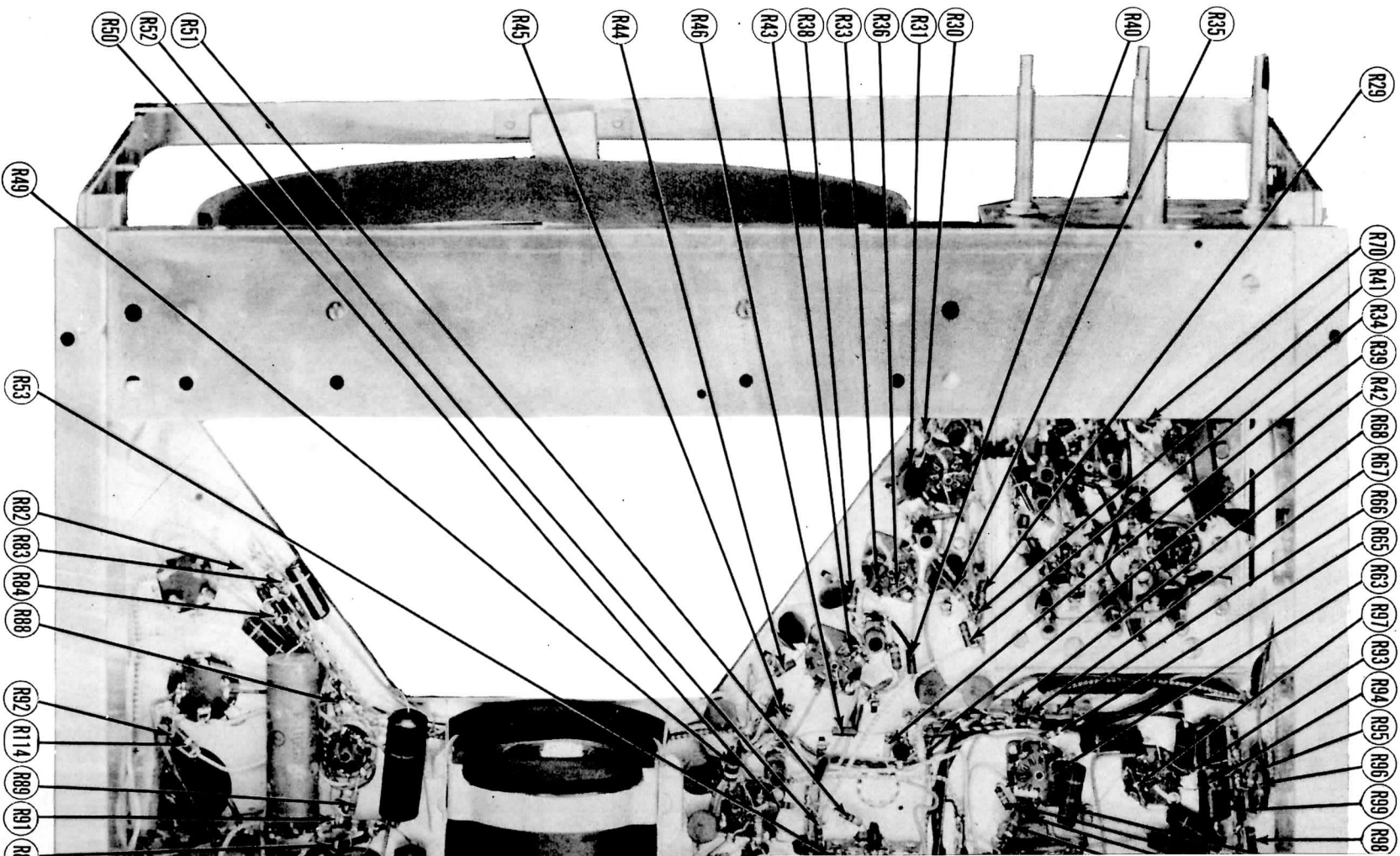
CABINET-REAR VIEW



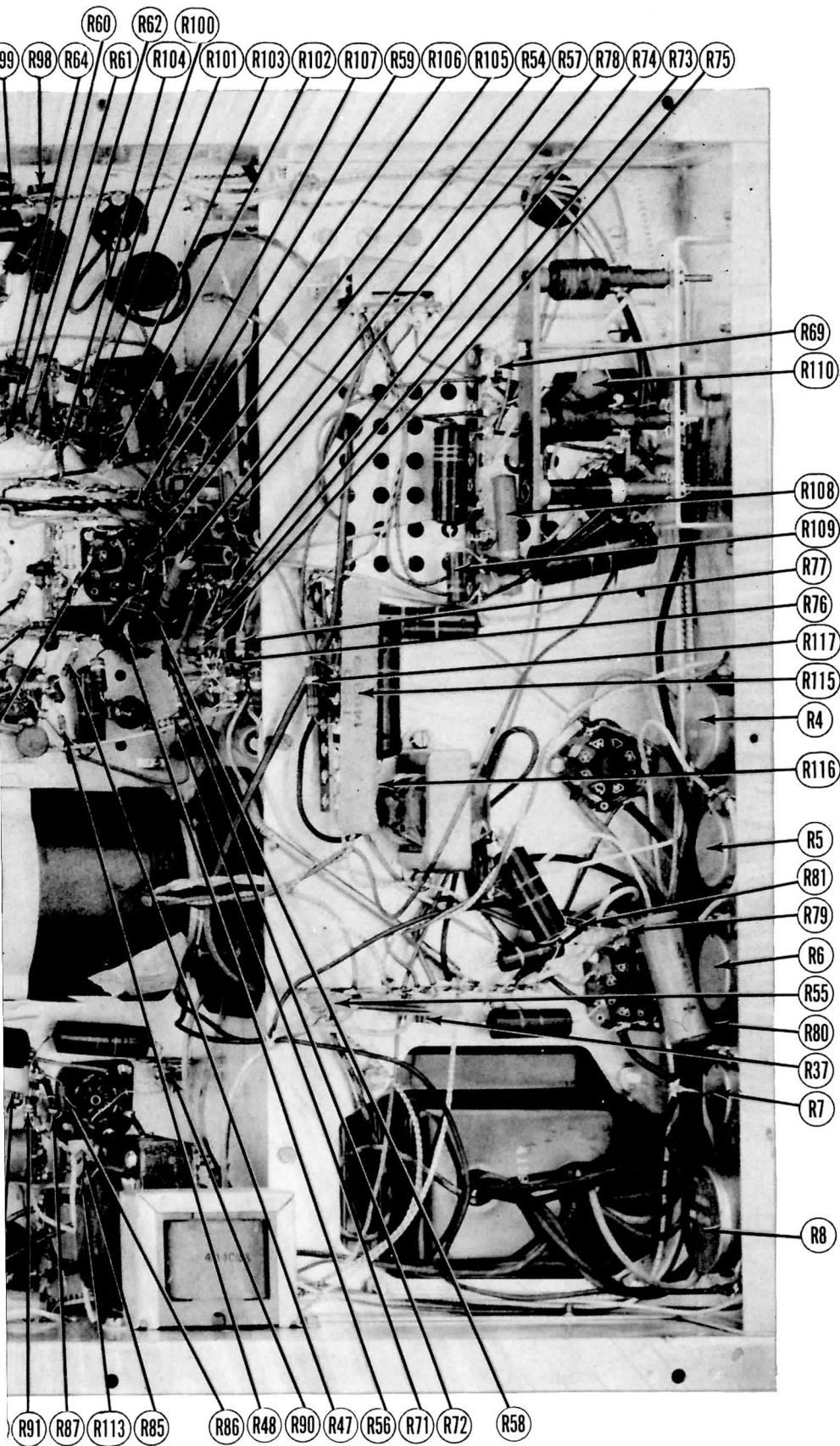
CHASSIS BOTTOM VIEW-CAPA



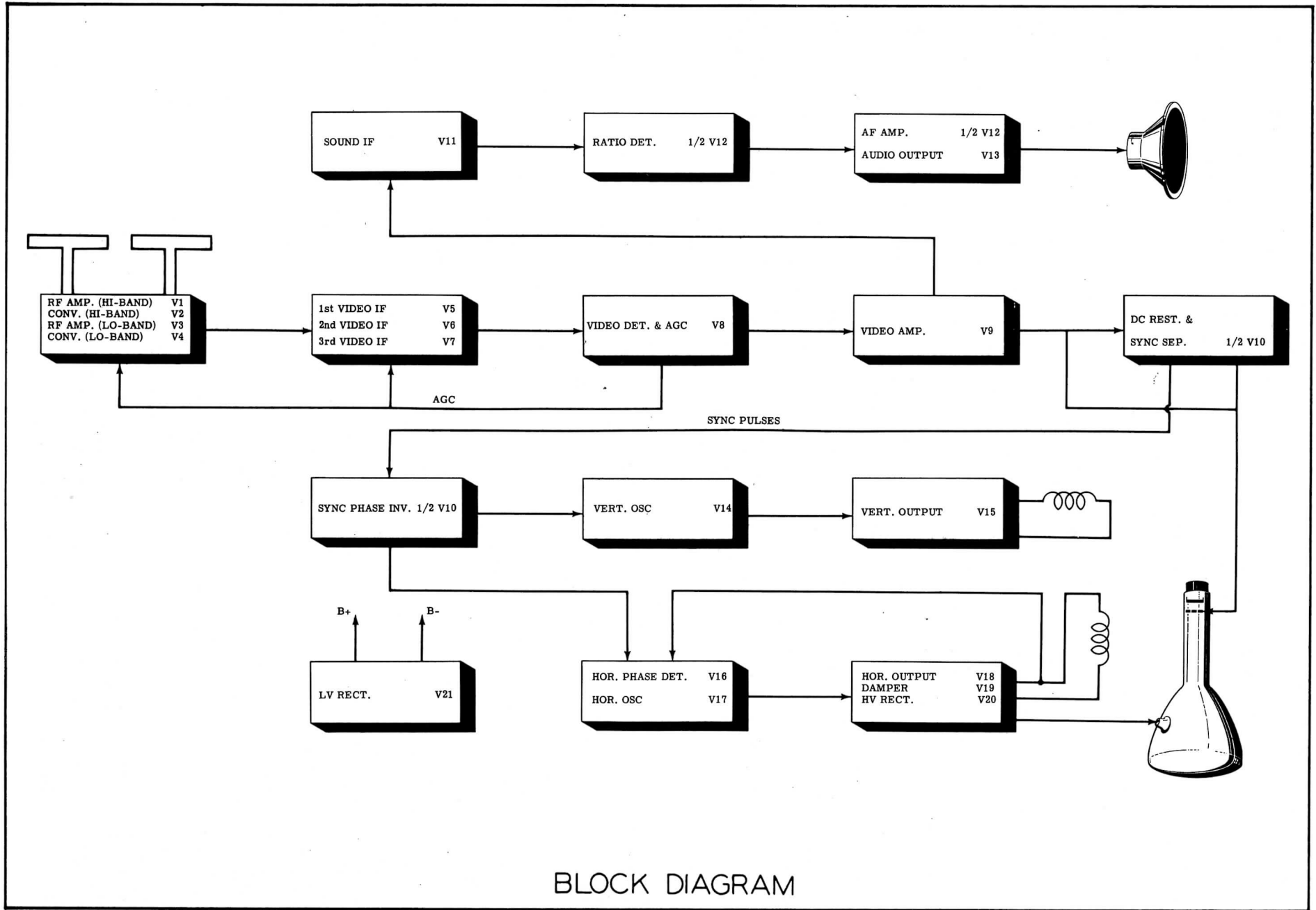
CAPACITOR IDENTIFICATION



CHASSIS BOTTOM VIEW - RE



RESISTOR IDENTIFICATION



BLOCK DIAGRAM

STROMBERG-CARLSON
MODEL TC-10

PARTS LIST AND

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		STROM. CARL. PART No.	STANDARD REPLACEMENT		
V1	H1 Band RF Amp.	6AC5	6AC5	7BD	
V2	H1 Band Conv.	6J6	6J6	7BF	
V3	Lo Band RF Amp.	6BH6	6BH6	7CM	
V4	Lo Band Conv.	6J6	6J6	7BF	
V5	1st Video IF	6AH6	6AH6	7BK	
V6	2nd Video IF	6BH6	6BH6	7CM	
V7	3rd Video IF	6AH6	6AH6	7BK	
V8	Video Det.-AGC Rectifier	6AL5	6AL5	6BT	
V9	Video Amp.	6AC7	6AC7	8N	
V10	DC Rest.-Sync. Sep.-Sync.				
V11	Phase Inverter	12AU7	12AU7	9A	
V12	Sound IF Amp. Ratio Det.-AF Amp.	6AU6	6AU6	7BK	
		6T8	6T8	9E	
V13	Audio Output	6V6GT	6V6GT	7AC	
V14	Vert. Osc.	6C4	6C4	6BG	
V15	Vert. Amp.	12AU7	12AU7	9A	
V16	Hor. Phase Det.	6AL5	6AL5	6BT	
V17	Hor. Osc.	6SN7GT	6SN7GT	8BD	
V18	Hor. Output	6BG6G	6BG6G	5BT	
V19	Damper	6W4GT	6W4GT	4CG	
V20	HW Rectifier	1B3GT	1B3GT	3C	
V21	LW Rectifier	5U4G	5U4G	5T	
V22A	Picture Tube	10BP4	10BP4	12D	
V22B	Picture Tube	10FP4	10FP4	12D	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP. VOLT	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		STROM. CARL. PART No.	AEROVOX PART No.	CORNELL DUBILIER PART No.	ERIE PART No.	
C1A	40	450	111058	AFH88J	UP4445	TVL-64
B	40	450				
C2A	40	450	111059	AF822J20C		D12976
B	10	450				
C	10	450				
D	100	100				
C3A	40	450	111060	AF842J20B	UP43145C+ BRH501	TVL-30 TVA-17
B	20	450				
C	10	450				
D	100	50				
C4	100	6	111070	PRS6/100	BRH601	TVA-8
C5	1	50	111063		BR145	TVA-11
C6	25	25	111069	PRS25/25	BR252A	TVA-6
C7	220		110462			
C8	750		110654			GP2K-220
C9	5000		110586			GP2K-750
C10	75		110483			811-005 29C1
C11	75		110493			GP1K-75
C12	2000		110652			GP2M-002 29C2
C13	2000		110652			811-005 29C2
C14	5000		110586			GP2M-002 29C1
C15	22		110653			GP1K-22
C16	10		110656			N750K-10
C17	750		110654			GP2K-750
C18	10		110656			N750K-10
C19	5000		110586			811-005 29C1
C20	5000		110586			811-005 29C1
C21	220		110462			GP2K-220
C22	750		110654			GP2K-750
C23	750		110654			GP2K-750
C24	2000		110652			GP2M-002 29C2
C25	0.5-5		110035			532-08-0.5 -5
C26	0.5-5		110035			532-08-0.5 -5
C27	4.2		110673			
C28	4.2		110673			
C29	5.5		110655			
C30	2000		110652			
C31	5000		110586			GP2M-002 29C2
C32	1.5		110428			811-005 29C1
C33	22		110653			NPOK-1.5
C34	10		110653			GP1K-22
C35	750		110656			GP2K-750
C36	5000		110654			811-005 29C1
C37	5000		110586			811-005 29C1
C38	5000		110586			1467-005 1D5D5
C39	5000		110586			1467-005 1D5D5
C40	5000		110586			1467-005 1D5D5
C41	5000		110586			1467-005 1D5D5
C42	470		110464			1468-0005 5W5T5
C43	5000		110586			1467-005 1D5D5
C44	.68		110437			
C45	6.8		110671			NPOK-6.8
C46	.1	200	110661	P288-1	GT2P1	TM-1
C47	5000		110586	1467-005	1D5D5	29C1
C48	5000		110586	1467-005	1D5D5	29C1
C49	5000		110586	1467-005	1D5D5	29C1
C50	5000		110586	1467-005	1D5D5	29C1
C51	5000		110586	1467-005	1D5D5	29C1
C52	5000		110586	1467-005	1D5D5	29C1
C53	100		110460	1468-0001	5W5T1	1FM-31
C54	5000		110586	1467-005	1D5D5	29C1
C55	.1	200	110661	P288-1	GT2P1	TM-1
C56	5		110598	1468-000005	5W5V5	MS-55
C57	10000		110672	P488-01	GT4S1	36C1
C58	5000		110586	1467-005	1D5D5	29C1
C59	470		110464	1468-0005	5W5T5	1FM-35
C60	680		110465	1468-750	1W5T7	1FM-37

ITEM No.	RATING		REPLACEMENT DATA		
	CAP.	VOLT	STROM. CARL. PART No.	AEROVOX PART No.	CORNE DUBILIER PART No.
C61	5000		110586	1467-005	1D5D5
C62	5000		110586	1467-005	1D5D5
C63	5000		110586	1467-005	1D5D5
C64	.1	400	110546	P488-1	GT4P1
C65	22		110653	1468-000025	5W5Q25
C66	2.5		110484		
C67	.39		110665	1468-00004	5W5Q4
C68	.022	400	110542	P488-022	GT4S2
C69	.330		110454	1468-0003	5W5T3
C70	.0047	400	110537	P688-0047	GT6D5
C71	.047	200	110680	P288-047	GT2S5
C72	.0047	400	110538	P688-0047	GT6D5
C73	100		110451	1468-0001	5W5T1
C74	.1	400	110546	P488-1	GT4P1
C75	.01	400	110540	P488-01	GT4S1
C76	.022	600	110557	P688-022	GT6S2
C77	.0022	400	110536	P688-0022	GT6D2
C78	.0047	400	110538	P688-0047	GT6D5
C79	.0047	400	110538	P688-0047	GT6D5
C80	.0047	400	110538	P688-0047	GT6D5
C81	.1	400	110548	P488-1	GT4P1
C82	.22	400	110548	P488-22	GT4P25
C83	.25	600	110428	684-25	GT6P25
C84	.01	400	110540	P488-01	GT4S1
C85	.001	400	110534	P688-001	GT6D1
C86	.001	400	110534	P688-001	GT6D1
C87	.01	400	110540	P488-01	GT4S1
C88	.01	400	110540	P488-01	GT4S1
C89	.1	400	110546	P488-1	GT4P1
C90	.0047	400	110538	P688-0047	GT6D5
C91	.047	400	110544	P488-047	GT4S5
C92	.330	500	110234		
C93	3900	500	110272		
C94	400	500	110216	1468-0004	5W5T4
C95	270	500	110208	1468-00025	5W5T25
C96	.047	400	110544	P488-047	GT4S5
C97	.22	400	110548	P488-22	GT4P25
C98	.36		110664		
C99	.36		110664		
C100	.033	600	110558	P688-033	
C101	.1	600	110561	P688-1	GT6P1
C102	.062	400	110674	P488-068	GT4S5
C103	.22	400	110548	P488-22	GT4P25
C104	.0005	10000	110658	10084-0005	
C105	.1	400	110451	P488-1	GT4P1
C106	.01	1000	110568	P1088-01	GT16S1
C107	.01	1000	110568	P1088-01	GT16S1

* Some models use .0033 MFD in this application
 † Some models use .01MFD in this application
 ‡ Omit bypass section.

CONT

ITEM No.	RATING		REPLACEMENT DATA		
	RESISTANCE	WATTS	STROM. CARL. PART No.	IRC PART No.	CLAROS PART No.
R1A	1 Meg.	1/4		B11-137 *	
B	50KΩ	1/4	145086	B11-123 *	145086
C	Shaft				
	End			E202 *	
R2	100KΩ	1/4	145076		
R3A	250KΩ	1/4	145085		145085
B	750Ω	1/4			
R4	100Ω	2	145082	W-100	43-100
R5	5000Ω	2	145079	Q11-114	M-19-S
R6	5000Ω	2	145079	Q11-114	M-19-S
R7	2.5Meg.	1/4	145080	Q11-239	M-84-S
R8	10KΩ	4	145081		10-10K

* Additional parts to be used with "Concentrik"

RESIS

ITEM No.	RATING		REPLACEMENT DATA	
	RESISTANCE	WATTS	STROMBERG-CARLSON PART No.	IRC PART No.
R9	2200Ω	1/4	149103	BTS-2200
R10	33KΩ	1/4	149110	
R11	1000Ω	1/4	149101	BTS-1000
R12	1000Ω	1/4	149101	BTS-1000
R13	150Ω	1/4	149096	
R14	2700Ω 10%	1/4	28163	
R15	4700Ω	1/4	149105	
R16	10KΩ	1/4	149107	BTS-10K
R17	150Ω	1/4	149096	
R18	560Ω 10%	1/4	28155	BTS-560
R19	1000Ω	1/4	149101	BTS-1000
R20	33KΩ	1/4	149110	
R21	1000Ω	1/4	149101	BTS-1000
R22	150Ω	1/4	149096	
R23	10KΩ	1/4	149107	BTS-10K
R24	1000Ω	1/4	149101	BTS-1000
R25	100KΩ	1/4	149113	BTS-100K
R26	10KΩ 10%	1/4	149107	
R27	4700Ω	1/4	149105	
R28	150Ω	1/4	149096	
R29	330Ω	1/4	149098	
R30	10KΩ 10%	1/4	28170	BTS-10K
R31	68Ω	1/4	149094	
R32	33KΩ	1/4	149110	
R33	100Ω	1/4	149095	
R34	330Ω	1/4	149098	
R35	10KΩ 10%	1/4	28170	BTS-10K
R36	82Ω 10%	1/4	28145	

PARTS LIST AND DESCRIPTIONS

CAPACITORS (CONT.)

NOTES
▲ Filter
■ Filter
▲ Filter
■ Decoupling
▲ V. Amp. Screen Bypass
Output Cath. Bypass
▲ Filter
■ Decoupling
▲ Vert. Output Dec.
Vert. Output Cath. Dec.
Bias Filter
Stabilizing Cap.
Output Cath. Bypass
RF Coupling
AGC Filter
HB RF Fil. Bypass
HB RF Screen Bypass
HB RF Decoupling
HB RF Plate Dec.
HB Conv. Grid Filter
HB Conv. Fil. Bypass
Osc. Grid Cap.
Osc. Feedback
HB Osc. Plate Dec.
Fixed Trimmer
Conv. Plate Dec.
Decoupling
RF Coupling
LB RF Screen Bypass
LB RF Decoupling
LB RF Plate Dec.
Variable Trimmer

Electrolytic Capacitors.

IDENTIFICATION CODES AND INSTALLATION NOTES
▲ Filter
■ Filter
▲ Filter
■ Decoupling
▲ V. Amp. Screen Bypass
Output Cath. Bypass
▲ Filter
■ Decoupling
▲ Vert. Output Dec.
Vert. Output Cath. Dec.
Bias Filter
Stabilizing Cap.
Output Cath. Bypass
RF Coupling
AGC Filter
HB RF Fil. Bypass
HB RF Screen Bypass
HB RF Decoupling
HB RF Plate Dec.
HB Conv. Grid Filter
HB Conv. Fil. Bypass
Osc. Grid Cap.
Osc. Feedback
HB Osc. Plate Dec.
Fixed Trimmer
Conv. Plate Dec.
Decoupling
RF Coupling
LB RF Screen Bypass
LB RF Decoupling
LB RF Plate Dec.
Variable Trimmer

ITEM No.	RATING		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
	CAP.	VOLT	STROM. CARL. PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	SPRAGUE PART No.	
C61	5000		110586	1467-005	1D5D5	811-005	29C1	V. Amp. Screen Bypass
C62	5000		110586	1467-005	1D5D5	811-005	29C1	RF Bypass
C63	5000		110586	1467-005	1D5D5	811-005	29C1	RF Bypass
C64	.1	400	110546	P488-1	GT4P1		TM-1	Video Coupling
C65	.22		110653	1468-000025	5W5Q25	GP1K-22	1FM-425	DC Res. Plate Bypass
C66	2.5		110484					S. IF Coupling
C67	.39		110665	1468-00004	5W5Q4	GP1K-39	1FM-44	S. IF Coupling
C68	.022	400	110542	P488-022	GT4S2		TM-12	S. IF Decoupling
C69	.330		110454	1468-00003	5W5T3	GP2K-330	1FM-335	Diode Load Cap.
C70	.0047	400	110537	P688-0047	GT6D5	GP2M-0047	TM-25	De-emphasis *
C71	.047	200	110680	P288-047	GT2S5		TM-15	Audio Coupling
C72	.0047	400	110538	P688-0047	GT6D5	GP2M-0047	TM-25	Audio Coupling
C73	100		110451	1468-00001	5W5T1	GP1K-100	1FM-31	AF Plate Bypass
C74	.1	400	110546	P488-1	GT4P1		TM-1	AF Plate Decoupling
C75	.01	400	110540	P488-01	GT4S1	GP2-335-01	TM-11	Audio Coupling
C76	.022	500	110557	P688-022	GT6S2		TM-12	Output Plate Bypass
C77	.0022	400	110538	P688-0022	GT6D2	GP2M-0022	TM-22	Integrator Net.
C78	.0047	400	110538	P688-0047	GT6D5	GP2M-0047	TM-25	Integrator Net.
C79	.0047	400	110538	P688-0047	GT6D5	GP2M-0047	TM-25	Integrator Net.
C80	.0047	400	110538	P688-0047	GT6D5	GP2M-0047	TM-25	Vert. Osc. Grid
C81	.1	400	110546	P488-1	GT4P1		TM-1	Vert. Discharge
C82	.22	400	110548	P488-22	GT4P25		TC-2	Vert. Sweep Coupling
C83	.25	600	110428	684-25	GT6P25		TC-2	Decoupling
C84	.01	400	110540	P488-01	GT4S1	GP2-335-01	TM-11	Sync. Coupling
C85	.001	400	110534	P688-001	GT6D1	GP2L-001	TM-21	Sync. Coupling
C86	.001	400	110534	P688-001	GT6D1	GP2L-001	TM-21	Sync. Coupling
C87	.01	400	110540	P488-01	GT4S1	GP2-335-01	TM-11	Hor. Sweep Coupling
C88	.01	400	110540	P488-01	GT4S1	GP2-335-01	TM-11	AF Filter
C89	.1	400	110546	P488-1	GT4P1		TM-1	Hor. Feedback
C90	.0047	400	110538	P688-0047	GT6D5	GP2M-0047	TM-25	AF Filter
C91	.047	400	110544	P488-047	GT4S5		TM-15	AF Filter
C92	.330	500	110234			GP2K-330		Hor. MV Feedback
C93	3900	500	110272					Fixed Trimmer
C94	400	500	110216	1468-0004	5W5T4	GP2K-390	1FM-34	Hor. Discharge
C95	.270	500	110208	1468-00025	5W5T25	GP2K-270	1FM-325	Hor. Sweep Coupling
C96	.047	400	110544	P488-047	GT4S5		TC-2	Hor. Output Screen Bypass
C97	.22	400	110548	P488-22	GT4P25		TC-2	Hor. Output Cath. Bypass
C98	.36		110684					Hor. Feedback
C99	.36		110684					Hor. Feedback
C100	.033	600	110558	P688-033	GT6P1		TM-1	Damper Filter
C101	.1	600	110561	P688-1	GT6S1		TM-16	Damper Filter
C102	.062	400	110674	P488-068	GT4S5		TM-16	Hor. Sweep Coupling
C103	.22	400	110548	P488-22	GT4P25		TC-2	Hor. Sweep Coupling
C104	.0005	10000	110658	10084-0005		410-500	TVM-351	HV Filter
C105	.1	400	110451	P488-1	GT4P1		TM-1	Pic. Tube Cath. Dec.
C106	.01	1000	110568	P1088-01	GT16S1		MB-11	Line Filter
C107	.01	1000	110568	P1088-01	GT16S1		MB-11	Line Filter

* Some models use .0033 MFD in this application.
 † Some models use .01MFD in this application.
 ‡ Omit bypass section.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA			INSTALLATION NOTES
	RESISTANCE	WATTS	STROM. CARL. PART No.	IRC PART No.	CLAROSTAT PART No.	
R1A	1 Meg.	1/4	145086	B11-137 *	145086	Vert. hold-rear (Dual Concentric)
B	50KΩ	1/4		B11-123 *		
C	Shaft	1/4		E202 *		
R2	100KΩ	1/4	145076			Attach per instructions in "Concentritik".
R3A	250KΩ	1/4	145085		145085	Brightness control and range switch
B	750Ω	1/4				
R4	100Ω	1/4	145082	W-100	43-100	Volume control and switch (Dual Concentric)
R5	5000Ω	1/4	145079	Q11-114	M-19-S	Contrast control
R6	5000Ω	1/4	145079	Q11-114	M-19-S	Vert. size #1 control (Wire Wound)
R7	2.5Meg.	1/4	145080	Q11-239	M-84-S	Vert. linearity #1 control
R8	10KΩ	1/4	145081		10-10K	Vert. linearity #2 control
						Focus control, (Wire Wound)

* Additional parts to be used with "Concentritik".

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	STROMBERG-CARLSON PART No.	IRC PART No.	
R9	2200Ω	1/4	149103	BTS-2200	High Band RF Grid
R10	33KΩ	1/4	149110		High Band RF Screen
R11	1000Ω	1/4	149101	BTS-1000	High Band RF Plate Decoupling
R12	1000Ω	1/4	149101	BTS-1000	High Band Conv. Grid
R13	150Ω	1/4	149096		Decoupling
R14	2700Ω 10%	1/4	28163		High Band Osc. Grid
R15	4700Ω	1/4	149105		High Band Osc. Plate Decoupling
R16	10KΩ	1/4	149107	BTS-10K	1st IF Transformer Shunt
R17	150Ω	1/4	149096		Decoupling
R18	580Ω 10%	1/4	28155		Low Band RF Grid
R19	1000Ω	1/4	149101	BTS-560	AGC Network
R20	33KΩ	1/4	149110	BTS-1000	Low Band RF Screen
R21	1000Ω	1/4	149101	BTS-1000	Low Band RF Plate Decoupling
R22	150Ω	1/4	149096		Decoupling
R23	10KΩ	1/4	149107	BTS-10K	Low Band Conv. Grid
R24	1000Ω	1/4	149101	BTS-1000	Low Band Conv. Grid
R25	100KΩ	1/4	149113	BTS-100K	Series Test Point
R26	10KΩ 10%	1/4	149107		Low Band Osc. Grid
R27	4700Ω	1/4	149105		Low Band Osc. Plate
R28	150Ω	1/4	149096		Decoupling
R29	330Ω	1/4	149098		AGC Network
R30	10KΩ 10%	1/4	28170		1st Video IF Transformer Shunt
R31	68Ω	1/4	149094	BTS-10K	1st Video IF Cathode
R32	33KΩ	1/4	149110		1st Video IF Screen See Note 1
R33	100Ω	1/4	149095		1st Video IF Plate Decoupling
R34	330Ω	1/4	149098		AGC Network
R35	10KΩ 10%	1/4	28170	BTS-10K	2nd Video IF Transformer Shunt
R36	82Ω 10%	1/4	28145		2nd Video IF Cathode

ALL RESISTORS ARE ± 20% UNLESS OTHERWISE STATED

ITEM No.	RATING		STROM. PART
	RESISTANCE	WATTS	
R37	1000Ω	1/4	149101
R38	56KΩ 10%	1/4	149115
R39	220KΩ	1/4	149095
R40	100Ω	1/4	149098
R41	330Ω	1/4	149095
R42	100Ω	1/4	28169
R43	8200Ω 10%	1/4	149109
R44	150Ω	1/4	149109
R45	22KΩ	1/4	149055
R46	100Ω	1/4	149118
R47	1 Meg.	1/4	149189
R48	680KΩ	1/4	27407
R49	33KΩ 10%	1/4	28169
R50	22KΩ 10%	1/4	149101
R51	8200Ω 10%	1/4	28147
R52	1000Ω	1/4	149107
R53	120Ω 10%	1/4	149326
R54	10KΩ	1/4	149055
R55	7000Ω	1/4	149083
R56	12KΩ 10%	1/4	149184
R57	15KΩ	1/4	149103
R58	5600Ω 10%	1/4	28184
R59	2200Ω	1/4	149111
R60	270KΩ 10%	1/4	28194
R61	47KΩ	1/4	149119
R62	1.4 Meg. 10%	1/4	28165
R63	1 Meg.	1/4	28165
R64	3900Ω 10%	1/4	28165
R65	3900Ω 10%	1/4	28165
R66	3900Ω 10%	1/4	149095
R67	100Ω	1/4	149101
R68	1000Ω	1/4	148115
R69	220KΩ	1/4	149107
R70	10KΩ	1/4	149111
R71	47KΩ	1/4	149108
R72	15KΩ	1/4	28175
R73	18KΩ 10%	1/4	27407
R74	22KΩ 10%	1/4	27407
R75	22KΩ 10%	1/4	149125
R76	10 Meg.	1/4	149117
R77	470KΩ	1/4	149111
R78	47KΩ	1/4	149117
R79	470KΩ	1/4	149177
R80	270Ω 10%	1/4	149170
R81	220Ω	1/4	149097
R82	22KΩ	1/4	149109
R83	8200Ω 10%	1/4	28169
R84	8200Ω 10%	1/4	28169
R85	1 Meg.	1/4	149119
R86	6.8 Meg.	1/4	149124
R87	100KΩ	1/4	149113
R88	820Ω 10%	1/4	28157
R89	2.2 Meg.	1/4	149121
R90	3300Ω	1/4	149104
R91	390KΩ 10%	1/4	28006
R92	470Ω	1/4	149099
R93	100KΩ 10%	1/4	28006
R94	100KΩ 10%	1/4	28006
R95	4.7 Meg.	1/4	149123
R96	470KΩ	1/4	149117
R97	33KΩ 10%	1/4	149110
R98	4700Ω	1/4	149105
R99	2200Ω	1/4	149103
R100	5600Ω 10%		

DESCRIPTIONS

(CONT.)

ERIE PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
11-005	29C1	V. Amp. Screen Bypass
11-005	29C1	RF Bypass
11-005	29C1	RF Bypass
PIK-22	TM-1	Video Coupling
MS-425		DC Res. Plate Bypass
PIK-39	1FM-44	S. IF Coupling
	TM-12	S. IF Coupling
P2K-330	1FM-335	S. IF Decoupling
P2M-0047	TM-25	Diode Load Cap.
	TM-15	De-emphasis *
P2M-0047	TM-25	Audio Coupling
PIK-100	1FM-31	AF Plate Bypass
	TM-1	AF Plate Decoupling
P2-335-01	TM-11	Audio Coupling
	TM-12	Output Plate Bypass
P2M-0022	TM-22	Integrator Net.
P2M-0047	TM-25	Integrator Net.
P2M-0047	TM-25	Integrator Net.
P2M-0047	TM-25	Vert. Osc. Grid
	TM-1	Vert. Discharge
	TC-2	Vert. Sweep Coupling
	TC-2	Decoupling
P2-335-01	TM-11	Sync. Coupling
P2L-001	TM-21	Sync. Coupling
P2L-001	TM-21	Sync. Coupling
P2-335-01	TM-11	Hor. Sweep Coupling
P2-335-01	TM-11	AFC Filter
P2M-0047	TM-1	Hor. Feedback
	TM-25	AFC Filter
	TM-15	AFC Filter
P2K-330		Hor. HV Feedback
		Fixed Trimmer
P2K-330	1FM-34	Hor. Discharge
P2K-270	1FM-325	Hor. Sweep Coupling
	TM-15	Hor. Output Screen Bypass
	TC-2	Hor. Output Cath. Bypass
		Hor. Feedback
		Hor. Feedback
	TM-1	Damper Filter
	TM-16	Hor. Sweep Coupling
	TC-2	Hor. Sweep Coupling
10-500	TVM-351	HV Filter
	TM-1	Pic. Tube Cath. Dec.
	MB-11	Line Filter
	MB-11	Line Filter

INSTALLATION NOTES

INSTALLATION NOTES	
Vert. hold-rear	(Dual Concentric)
Horiz. hold-front	(Dual Concentric)
Attach per instructions in "Concentrik".	
Brightness control and range switch	
Volume control and switch (Dual Concentric)	
Contrast control	
Vert. size #1 control (Wire Wound)	
Vert. linearity #1 control	
Vert. linearity #2 control	
Vert. size #2 control	
Focus control, (Wire Wound)	

IDENTIFICATION CODES

IDENTIFICATION CODES	
RESISTORS ARE ± 20% UNLESS OTHERWISE STATED	
h Band RF Grid	
h Band RF Screen	
h Band RF Plate Decoupling	
h Band Conv. Grid	
coupling	
h Band Osc. Grid	
h Band Osc. Plate Decoupling	
IF Transformer Shunt	
coupling	
Band RF Grid	
Network	
Band RF Screen	
Band RF Plate Decoupling	
coupling	
Band Conv. Grid	
Band Conv. Grid	
igs Test Point	
Band Osc. Grid	
Band Osc. Plate	
coupling	
Network	
Video IF Transformer Shunt	
Video IF Cathode	
Video IF Screen See Note 1	
Video IF Plate Decoupling	
Network	
Video IF Transformer Shunt	
Video IF Cathode	

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
			STROM. CARL.	IRC	
	RESISTANCE	WATTS	PART No.	PART No.	
R37	1000Ω	1	149101	BTS-1000	Decoupling
R38	56KΩ 10%	1			2nd Video IF Screen See Note 1
R39	220KΩ	1	149115	BTS-220K	Trap Coil Shunt
R40	100Ω	1	149095		2nd Video IF Decoupling
R41	330Ω	1	149098		AGC Network
R42	100Ω	1	149095		Decoupling
R43	8200Ω 10%	1	28169	BTS-8200	3rd Video IF Transformer Shunt
R44	150Ω	1	149096		3rd Video IF Cathode
R45	22KΩ	1	149109	BTS-22K	3rd Video IF Screen
R46	100Ω	1	149095		3rd Video IF Decoupling
R47	1 Meg.	1	149119	BTS-1 Meg.	AGC Network
R48	680KΩ	1	149118	BTS-680K	AGC Diode Load
R49	39KΩ 10%	1	149189	BTA-39K	Voltage Divider
R50	22KΩ 10%	1	27407	BTS-22K	4th Video IF Transformer Shunt
R51	8200Ω 10%	1	28169	BTS-8200	Video Det. Diode Load
R52	1000Ω	1	149101	BTS-1000	Bias Network
R53	120Ω 10%	1	28147		Parasitic Supp.
R54	10KΩ	1	149107	BTS-10K	Video Amp. Screen
R55	7000Ω	1	149326	AB-7000	Video Amp. Screen Decoupling Wire Wound
R56	12KΩ 10%	2	149055	BT-2-12K	Video Amp. Plate
R57	15KΩ	2	149083	BT-2-15K	Video Amp. Plate
R58	5600Ω 10%	1	149184	BTA-5600	Voltage Divider
R59	2200Ω	1	149103	BTS-2200	Picture Tube Grid
R60	270KΩ 10%	1	28184	BTS-270K	DC Rest. Load
R61	47KΩ	1	149111	BTS-47K	Voltage Divider
R62	1.8 Meg. 10%	1	28194	BTS-1.8 Meg.	Sync. Sep. Plate
R63	1 Meg.	1	149119	BTS-1 Meg.	Sync. Phase Inv. Grid
R64	3900Ω 10%	1	28165	BTS-3900	Sync. Phase Inv. Cathode
R65	3900Ω 10%	1	28165	BTS-3900	Sync. Phase Inv. Plate
R66	3900Ω 10%	1	28165	BTS-3900	Sync. Phase Inv. Plate
R67	100Ω	1	149095	BW-1-100	Decoupling
R68	1000Ω	1	149101	BTS-1000	Acc. Anode Decoupling
R69	220KΩ	1	149115	BTS-220K	Voltage Divider
R70	10KΩ	1	149107	BTS-10K	Voltage Divider
R71	47KΩ	1	149111		1st Sound IF Grid
R72	15KΩ	1	149106		1st Sound IF Decoupling
R73	18KΩ 10%	1	28173	BTS-18K	De-emphasis
R74	22KΩ 10%	1	27407	BTS-22K	Ratio Det. Diode Load
R75	22KΩ 10%	1	27407	BTS-22K	Ratio Det. Diode Load
R76	10 Meg.	1	149125	BTS-10 Meg.	AF Grid
R77	470KΩ	1	149117	BTS-470K	AF Plate
R78	47KΩ	1	149111	BTS-47K	AF Plate Decoupling
R79	470KΩ	1	149117	BTS-470K	Output Grid
R80	270Ω 10%	1	149170	BW-1-270	Output Cathode (Wire Wound)
R81	220Ω	1	149097	BTS-220	Focus Coil Shunt
R82	22KΩ	1	149109	BTS-22K	Integrator
R83	8200Ω 10%	1	28169	BTS-8200	Integrator
R84	8200Ω 10%	1	28169	BTS-8200	Integrator
R85	1 Meg.	1	149119	BTS-1 Meg.	Vert. Osc. Grid
R86	6.8 Meg.	1	149124	BTS-6.8 Meg.	Voltage Divider
R87	100KΩ	1	149113	BTS-100K	Voltage Divider
R88	820Ω 10%	1	28157	BTS-820	Vert. Output Cathode
R89	2.2 Meg.	1	149121	BTS-2.2 Meg.	Vert. Output Grid
R90	3300Ω	1	149104	BTS-3300	Vert. Peaking
R91	390KΩ 10%	1	28186	BTS-390K	Voltage Divider
R92	470Ω	1	149099	BTS-470	Vert. Output Decoupling
R93	100KΩ 10%	1	28006	BTS-100K	Horiz. Phase Det. Load
R94	100KΩ 10%	1	28006	BTS-100K	Horiz. Phase Det. Load
R95	4.7 Meg.	1	149123	BTS-4.7 Meg.	Horiz. Phase Det. Load
R96	470KΩ	1	149117	BTS-470K	Horiz. AFC Filter Network
R97	33KΩ 10%	1	149110	BTS-33K	Feedback Network
R98	4700Ω	1	149105	BTS-4700	Feedback Network
R99	2200Ω	1	149103	BTS-2200	Feedback Network
R100	5600Ω 10%	1	149184	BTA-5600	Horiz. Osc. Plate
R101	1500Ω	1	149102	BTS-1500	Horiz. Osc. Cathode
R102	100KΩ	1	149113	BTS-100K	Horiz. Osc. Grid
R103	270KΩ 10%	1	28184	BTS-270K	Horiz. Osc. Plate
R104	22KΩ	1	149109	BTS-22K	Filter
R105	68Ω	1	149094		Parasitic Supp.
R106	1 Meg.	1	149119	BTS-1 Meg.	Horiz. Output Grid
R107	82Ω 10%	1	149166	BW-1-82	Horiz. Output Cathode
R108	8200Ω 10%	2	149054	BT-2-8200	Horiz. Output Screen
R109	15KΩ	1	149145	BTA-15K	Horiz. Size Coil Shunt
R110	4000Ω	10	149325	AB-4000	Damper Filter (Wire Wound)
R111	5.6Ω 10%	1			HV Rect. Filament (Wire Wound) See Note 2
R112	1 Meg.	1	149119		HV Filter
R113	100Ω	1	149095	BW-1-100	Bias Network
R114	15Ω 10%	1	149158	BW-1-15	Bias Network
R115	1200Ω	15	149329	DC-1200	Filter (Wire Wound)
R116	680Ω 10%	2	149042	BW-2-680	Filter
R117	330Ω 10%	1	149171	BW-1-330	Filter
R118	2200Ω	1	149103	BTS-2200	Band Pass Coil Shunt

Note 1. Not used in all models.
Note 2. Some models use 3.3Ω resistor in this application.

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	STROMBERG-CARLSON PART No.	JENSEN PART No.	QUAM PART No.	
SP1	PM	3.1Ω			46A1	
SP2	CONE DIA.	V. C. DIA.				
	3 7/8" x 6"	9/16"				

STROMBERG-CARLSON
MODEL TC-10

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	STROMBERG-CARLSON PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
T1	117VAC ④ 1.8A	730VCT .220ADC	5VAC ④ 3A	6.3VAC ④ 8.5A	161419	P-6315	P-3059	TP-395 #

Add series resistor to reduce plate voltage.

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		STROM. CARL. PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.					
T2	100Ω		114069				Hor.Osc. Coil Vert.Block Osc.Trans Hor.Output Trans.
T3	165Ω	1400Ω	114658	A-8121 §	A-4000 §	TB0-2	
T4	330Ω	SEC. 1	161016	A-8117		TFB-1	
	Tap @ 177Ω	10.6Ω Tap. ④ .6Ω					
T5	540Ω	SEC. 2	161242	A-8116	A-3035 ▲	T80-4	Vert.Output Trans. Hor.Deflection Coil Vert.Deflection Coil Focus Coil
T6A	13.5Ω	0Ω	114659	DY-1			
T6B	62Ω	6.8Ω					
T7	1000Ω		114660				

§ Drill one new mounting hole.

▲ Drill new mounting holes.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA			INSTALLATION NOTES	
	IMPEDANCE		DC RES.		STROMBERG-CARLSON PART No.	STANCOR PART No.	MERIT PART No.		CHICAGO PART No.
	PRI.	SEC.	PRI.	SEC.					
T8	7000Ω	3.1Ω	520Ω	.6Ω	161244	A-3878	A-2930	RO-13	

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 μ)	STROMBERG-CARLSON PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
L1	.145A	82Ω	2.5Henries	161014	C-2304	C-2974	TR-4200	

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	STROMBERG-CARLSON PART No.	MEISSNER PART No.	
L2A	Ant. Trans.	0Ω		114647		Hi-Band Primary Hi-Band Secondary
B	Ant. Trans.	0Ω		114646		
L3	Ant. Trans.	0Ω		114057		Lo-Band
L4	RF Plate	0Ω		114066		Hi-Band
L5	Mixer Grid	0Ω		114066		Hi-Band
L6	Osc. Coil	0Ω		114066		Hi-Band
L7	RF Plate	0Ω		114065		Lo-Band
L8	Band Pass	0Ω		114642		Lo-Band
L9	Mixer Grid	0Ω		114065		Lo-Band
L10	Osc. Coil	0Ω		114065		Lo-Band
L11	Mixer Plate	.1Ω		114061		
L12	RF Choke	0Ω		114060		
L13	1st Video					
L14	2nd Video	1Ω		114377		
	IF					
L15	21.9MC Trap	1Ω	1Ω	114376		
L16	3rd Video	1.2Ω		114665		
	IF					
L17	4th Video	1Ω	1Ω	114382		
	IF					
L18	Peaking	8Ω		114657		Wound on 22KΩ resistor
L19	Peaking	20Ω		114654		
L20	Peaking	9Ω		114656		
L21	Peaking	12.5Ω		114655		
L22	Sound IF	5.5Ω		114374		
L23	Ratio Det. Trans.	5Ω	.9Ω	114375		
L24	Hor. Linearity #1	65Ω		114075		
L25	Hor. Linearity #2	67Ω		114071		
L26	Hor. Size	2.8Ω		114074		

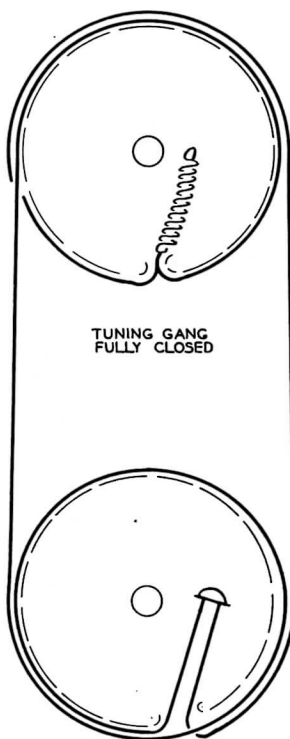
MISCELLANEOUS

ITEM No.	PART NAME	STROM. CARL. PART No.	NOTES
M1	RF Tuner		
M2	Ant. Switch		
M3	Size Switch		
M4	Fuse		.25 Amp.
M5	Ion Trap		

DISASSEMBLY INSTRUCTIONS

1. Remove four screws holding rear cover. Remove cover.
2. Remove six screws from bottom sides.
3. Slide cabinet to rear and remove.
4. Remove screw located bottom rear center. Slide bottom fiber cover to rear and remove.
5. Loosen allen head set screws on tuning knob shaft. Remove tuning knob.
6. Remove three push-on type control knobs.
7. Remove four screws located on bottom front.
8. Remove speaker plug from chassis.
9. Remove two screws located near top corners of front panel. Remove panel.

DIAL CORD STRINGING



**STROMBERG-CARLSON
MODEL TC-10**