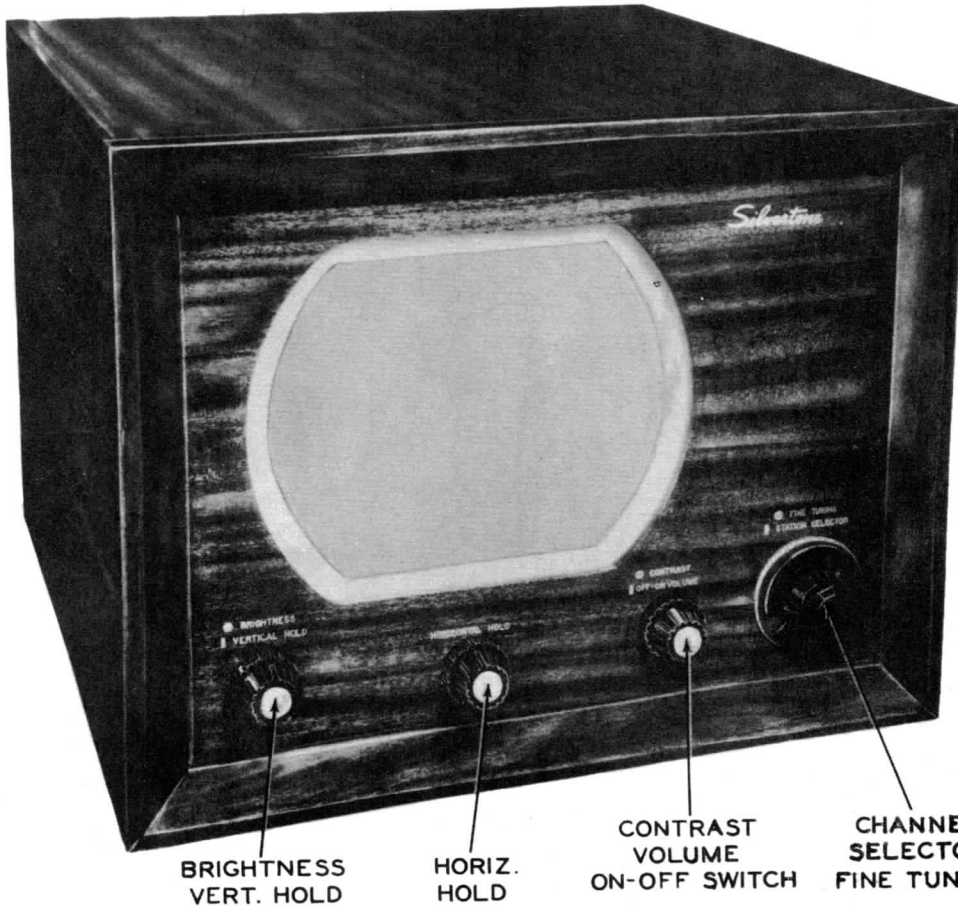


PHOTOFACT* Folder



SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch.110.499-1),
9126 (Ch. 110.499-2)



BRIGHTNESS
VERT. HOLD

HORIZ.
HOLD

CONTRAST
VOLUME
ON-OFF SWITCH

CHANNEL
SELECTOR
FINE TUNING

MODEL 9123

SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch.110.499-1),
9126 (Ch. 110.499-2)

TRADE NAME	Silvertone, Models 9123 (Ch. 110.499) 9124 (Ch. 110.499-1), 9126 (Ch. 110.499-2)		
SUPPLIER	Sears, Roebuck and Co., 925 S. Homan St., Chicago, Illinois		
TYPE SET	Television Receiver		
TUBES	Twenty One		
POWER SUPPLY	110-120 Volts AC 60 Cycle		
TUNING RANGE-Channels	2 thru 13	RATING	1.75 Amp. @ 117 Volts AC

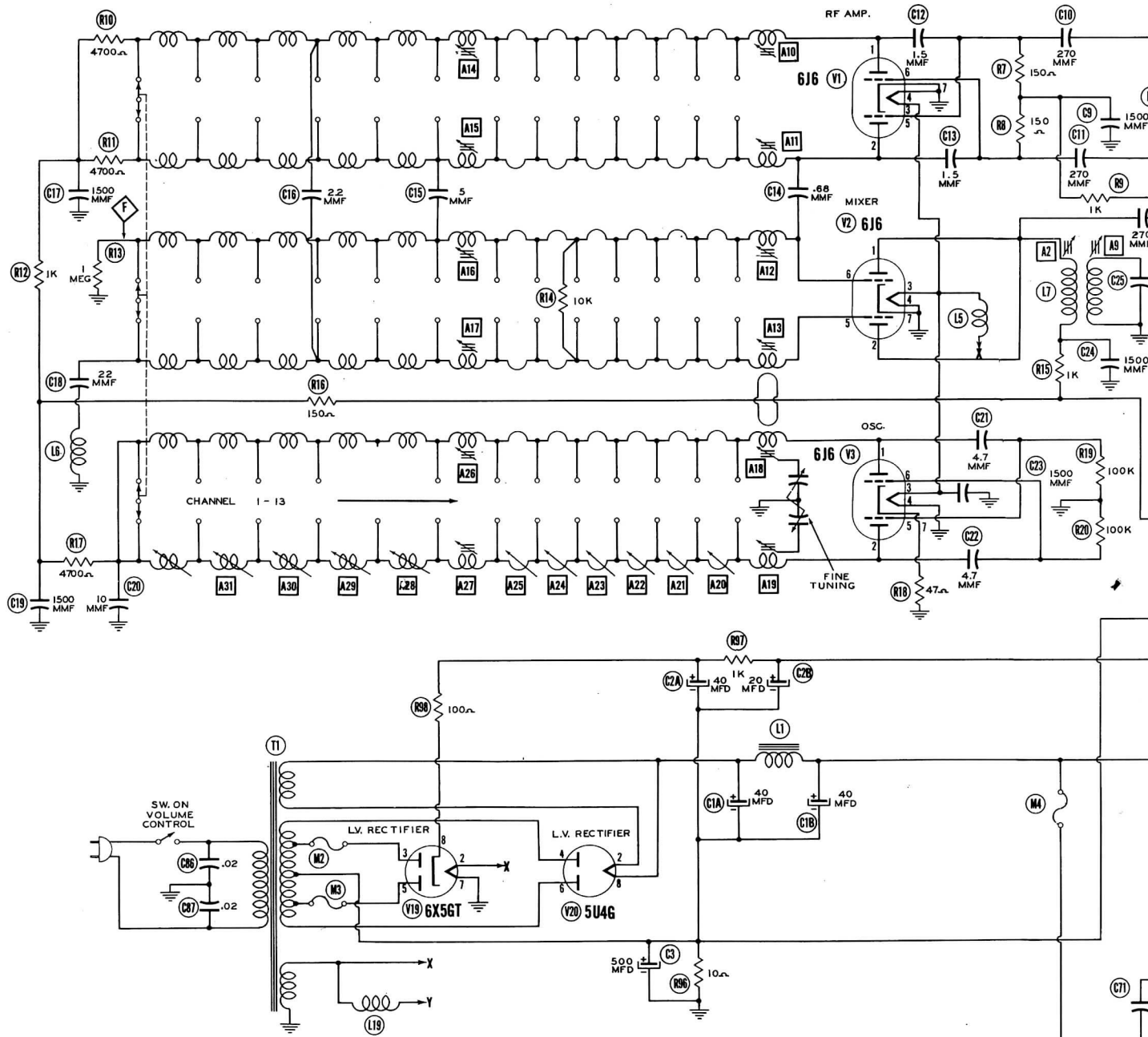
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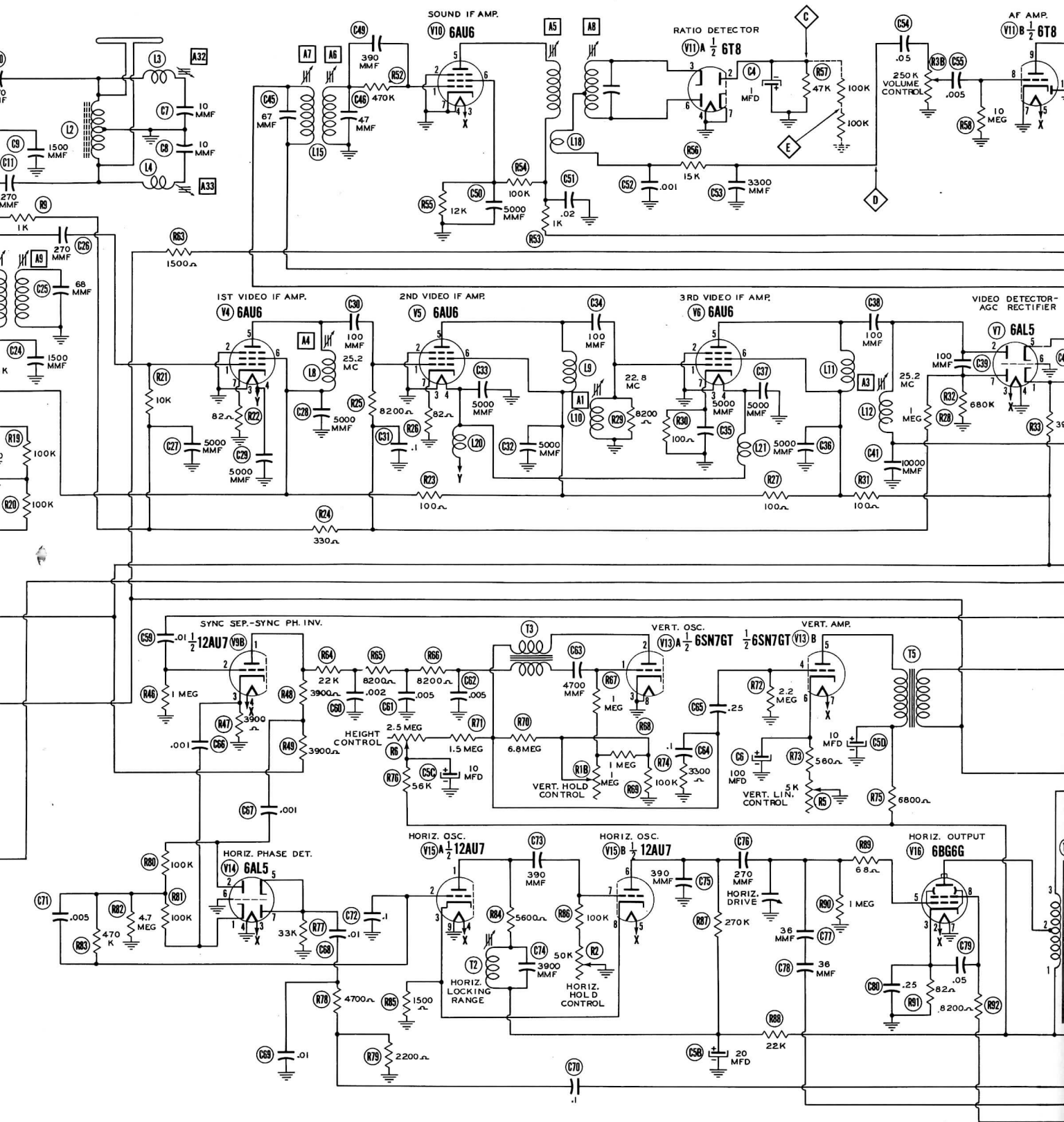
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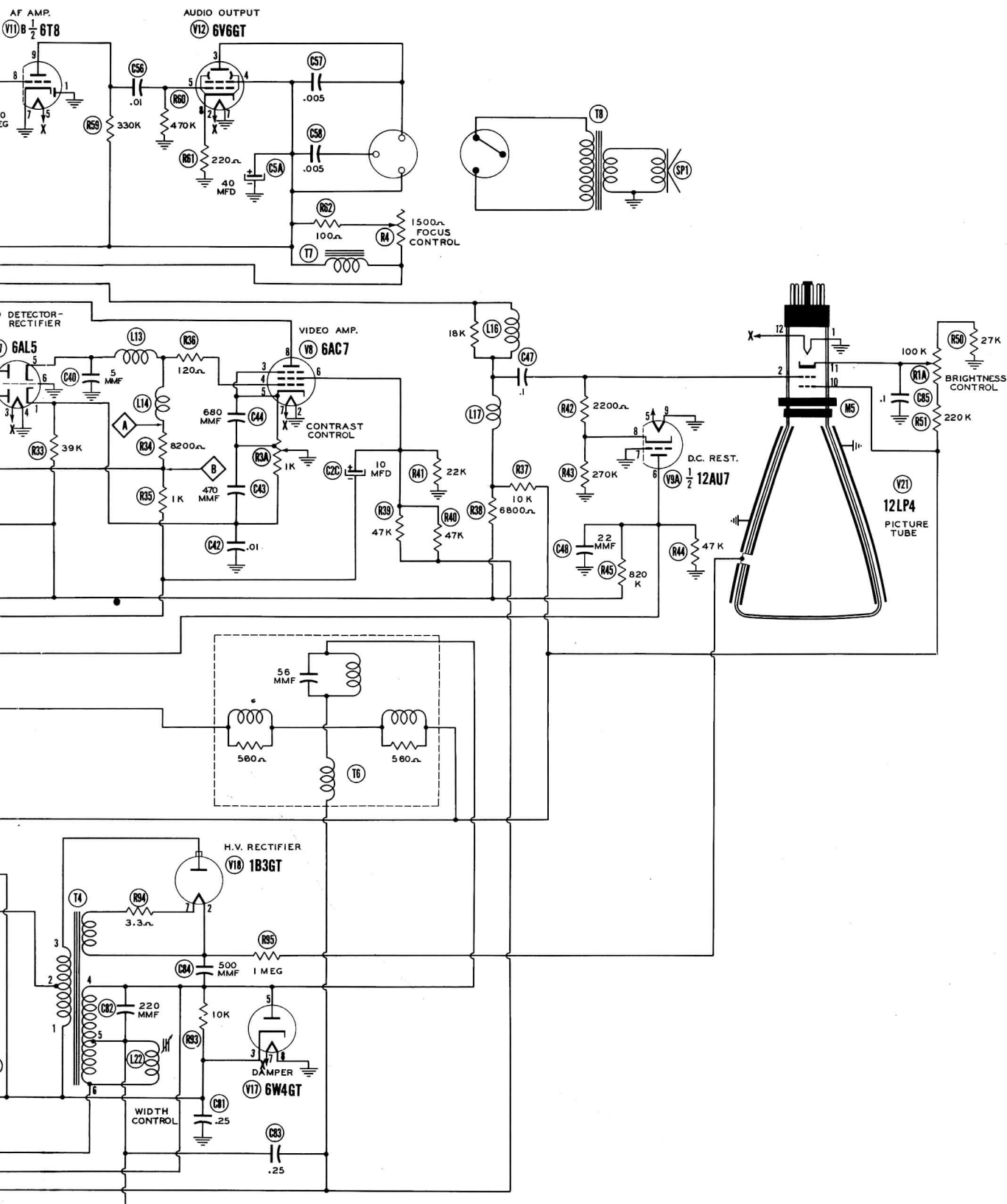
DATE 12/49 SET # 79 FOLDER # 16



THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

A PHOTOFACIT STANDARD NOTATION SCHEMATIC
 © Howard W. Sams & Co., Inc. 1949

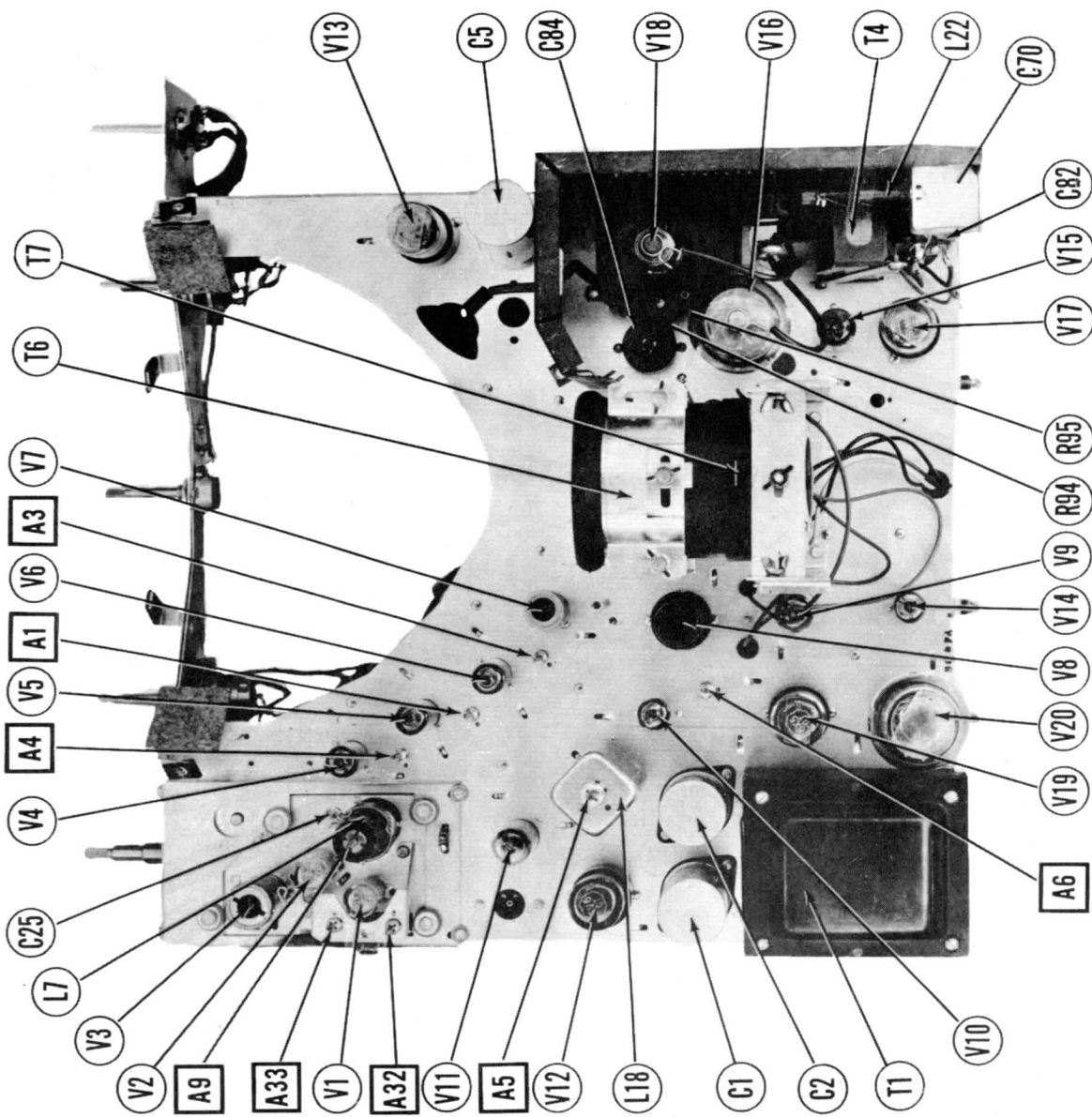


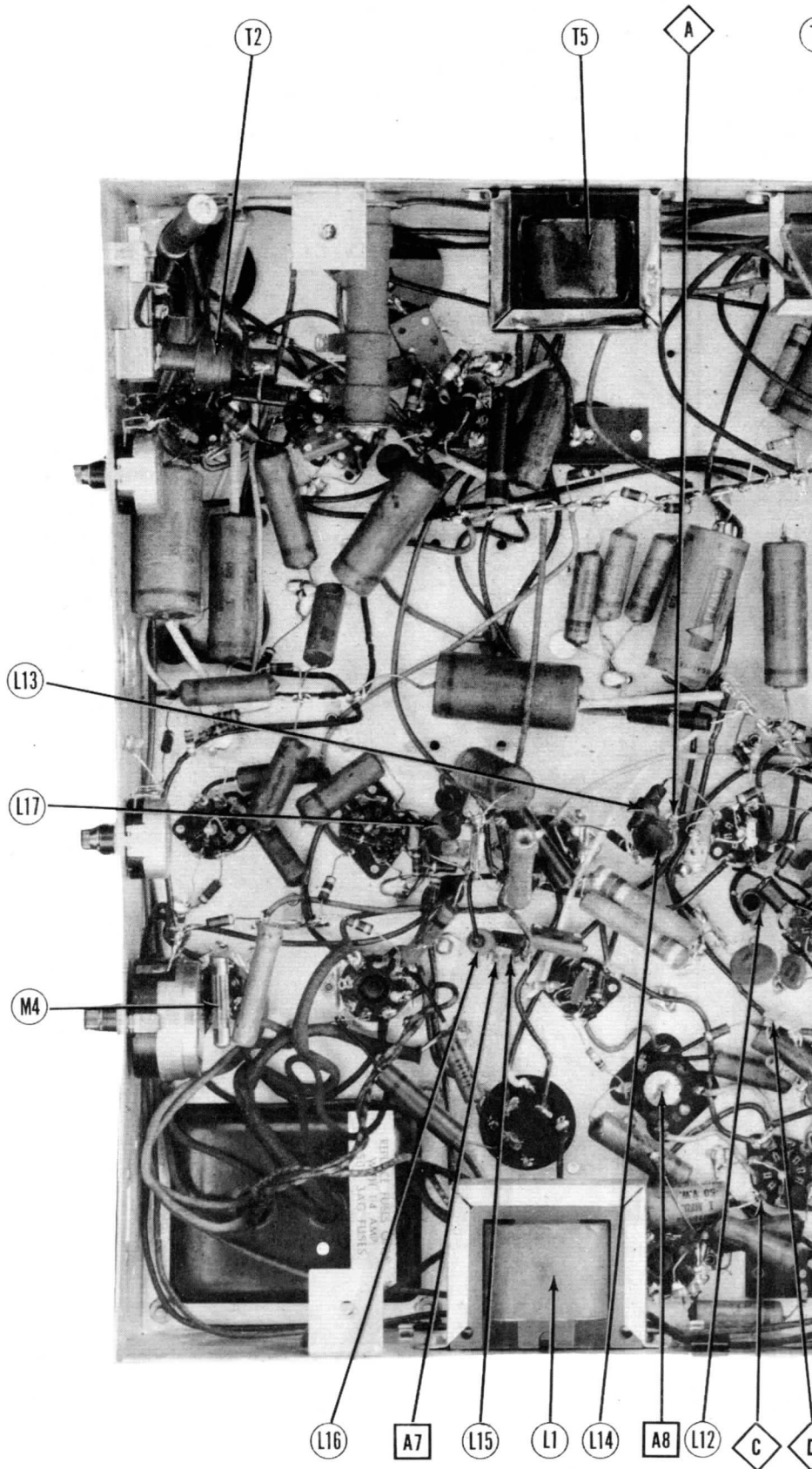


SILVERTONE MODELS
 9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
 9126 (Ch. 110.499-2)

SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
9126 (Ch. 110.499-2)

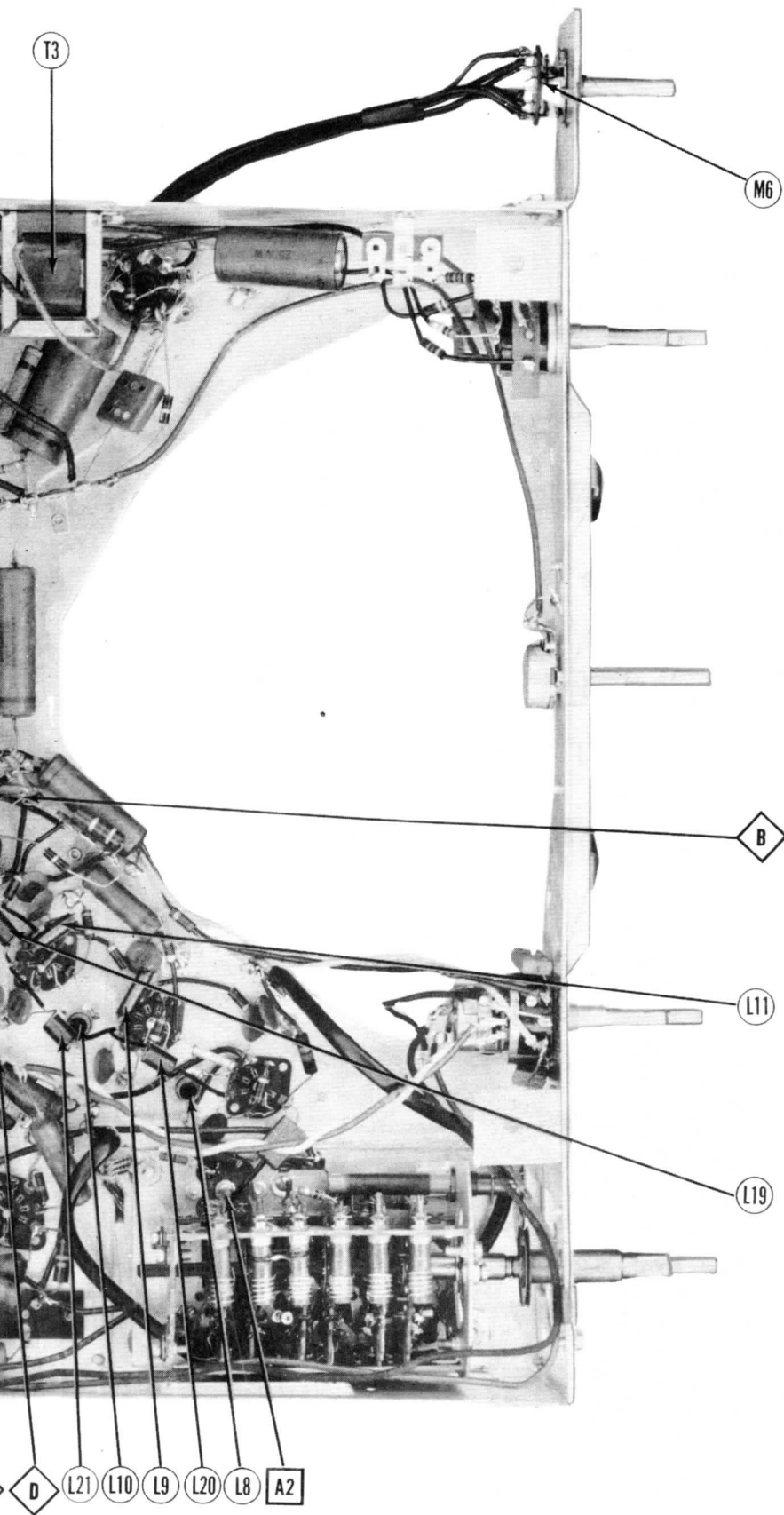
VIEW TOP SISSAHC





CHASSIS BOTTOM VIEW-TRANS.,INDUCT

SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
9126 (Ch. 110.499-2)



RECTOR AND ALIGNMENT IDENTIFICATION

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	6J6	85VDC	85VDC	6.3VAC	OV	-8VDC	-8VDC	OV		
V 2	6J6	115VDC	115VDC	6.3VAC	OV	-2.4VDC	-4.6VDC	OV		
V 3	6J6	60VDC	60VDC	6.3VAC	OV	§-4.2VDC	§-3.6VDC	4VDC		
V 4	6AU6	-6VDC	OV	OV	6.3VAC	125VDC	125VDC	5VDC		
V 5	6AU6	-7VDC	OV	OV	6.3VAC	126VDC	126VDC	6VDC		
V 6	6AU6	OV	OV	OV	6.3VAC	128VDC	128VDC	1VDC		
V 7	6AL5	OV	-2VDC	6.3VAC	OV	-1VDC	OV	-5VDC		
V 8	6AC7	OV	OV	1.4VDC	-1.8VDC	1.4VDC	155VDC	6.3VAC	215VDC	
V 9	12AU7	125VDC	OV	5.8VDC	6.3VAC	6.3VAC	5.6VDC	OV	1VDC	OV
V 10	6AU6	-6VDC	OV	6.3VAC	OV	245VDC	25VDC	OV		
V 11	6T8	OV	-8VDC	-4.4VDC	OV	6.3VAC	-4.4VDC	OV	-6VDC	70VDC
V 12	6Y6GT	OV	6.3VAC	235VDC	250VDC	OV	245VDC	OV	12VDC	
V 13	6SN7GT	-40VDC	140VDC	OV	OV	330VDC	6.2VDC	6.3VAC	OV	
V 14	6AL5	2.2VDC	-1.2VDC	6.3VAC	OV	OV	OV	OV		
V 15	12AU7	240VDC	2VDC	10VDC	6.3VAC	6.3VAC	100VDC	-3.6VDC	10VDC	OV
V 16	6EG6G	OV	6.3VAC	7.5VDC	-1.7VDC	-1.4VDC	-1.3VDC	OV	250VDC	TOP CAP
V 17	6W4GT	OV	280VDC	410VDC	125VDC	340VDC	410VDC	6.3VAC	OV	
V 18	1B3GT	↓ Do not Measure								
V 19	6X5GT	OV	6.3VAC	165VAC	135VDC	165VAC	OV	OV	175VDC	
V 20	5U4G	OV	370VDC	340VDC	365VAC	OV	365VAC	340VDC	370VDC	
V 21	12LP4	OV	1VDC	340VDC	125VDC	6.3VAC	6.3VAC			

↓ Do not measure.
§ Taken with Vacuum Tube Voltmeter

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6J6	14KΩ	14KΩ	.2Ω	Ω	1.6Meg.	1.6Meg.	Ω		
V 2	6J6	12KΩ	12KΩ	.2Ω	Ω	1 Meg.	1 Meg.	Ω		
V 3	6J6	15.6KΩ	15.6KΩ	.2Ω	Ω	100KΩ	100KΩ	47Ω		
V 4	6AU6	1.6 Meg.	Ω	Ω	.2Ω	11200Ω	11200Ω	80Ω		
V 5	6AU6	1.6 Meg.	Ω	Ω	.2Ω	11200Ω	11200Ω	80Ω		
V 6	6AU6	.2Ω	Ω	Ω	.2Ω	11000Ω	11000Ω	100Ω		
V 7	6AL5	1Ω	1000Ω	.2Ω	Ω	10KΩ	Ω	680KΩ		
V 8	6AC7	Ω	Ω	750Ω	10KΩ	750Ω	20KΩ	.2Ω	*10KΩ	
V 9	12AU7	110KΩ	1 Meg.	3900Ω	.2Ω	.2Ω	47KΩ	Ω	270KΩ	Ω
V 10	6AU6	470KΩ	Ω	.2Ω	Ω	*3KΩ	*26KΩ	Ω		
V 11	6T8	Ω	47KΩ	Inf.	Ω	.2Ω	Inf.	Ω	10 Meg.	*330KΩ
V 12	6Y6GT	Inf.	.2Ω	*200Ω	*1800Ω	470KΩ	15KΩ	Ω	220Ω	
V 13	6SN7GT	2 Meg.	2.8Meg.	Ω	2.2 Meg.	*7KΩ	5.6KΩ	.2Ω	Ω	
V 14	6AL5	4.7Meg.	4.7 Meg.	.2Ω	Ω	33KΩ	Ω	33KΩ		
V 15	12AU7	*27KΩ	4.7 Meg.	1500Ω	.2Ω	.2Ω	*280KΩ	150KΩ	1500Ω	Ω
V 16	6EG6G	Inf.	.2Ω	80Ω	50KΩ	1 Meg.	1 Meg.	Ω	*8200Ω	Ω
V 17	6W4GT	2500Ω	*22KΩ	*Ω	100KΩ	*10KΩ	*Ω	.2Ω	Ω	
V 18	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	TOP CAP
V 19	6X5GT	Inf.	.2Ω	20Ω	11000Ω	20Ω	Inf.	Ω	20KΩ	*500Ω
V 20	5U4G	Inf.	20KΩ	20KΩ	40Ω	Inf.	3Ω	20KΩ	20KΩ	
V 21	12LP4	Ω	270KΩ	*150Ω	100KΩ	.5Ω				

↑ Measured from pin 8 of V19
* Measured from pin 2 of V20
♦ Measured from pin 3 of V17

1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measured at 1,000 ohms.
2. Pin numbers are counted in a clockwise direction on bottom of socket.
3. Measured values are from socket pin to common negative unless otherwise stated.
4. Line voltage maintained at 117 volts for voltage readings.
5. Front panels controls set at minimum.
6. Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given.

SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch.110.499-1),
9126 (Ch. 110.499-2)

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

If set is to be aligned with the picture tube removed, remove the horizontal oscillator tube V15 to disable the high voltage.
The local oscillator tube V3 should be removed during IF Alignment to prevent erroneous indications.

VIDEO IF ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1.	High side to ungrounded tube shield floating over mixer tube V2. Low side to chassis.	22.8MC (Unmod.)	Any	DC Probe to Point \diamond Common to Point \diamond point \diamond	A1,A2	Adjust for maximum deflection.
2.	"	25.2MC (Unmod.)	"	"	A3,A4	"
3.	"	21.25MC (Unmod.)	"	"	A9	Adjust for MINIMUM deflection.

OVERALL VIDEO IF RESPONSE CHECK

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	REMARKS
4.	High side to ungrounded tube shield floating over mixer tube V2. Low side to chassis	24MC (10MC Sweep)	22.8MC 25.2MC	Any	Vert. Amp. to Point \diamond Low side to chassis.	Check for response as per Fig 1. with markers as shown. If necessary SLIGHTLY retouch A1, A2, A3, and A4 for optimum response.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

Connect two matched 100K Ω ($\pm 1\%$) resistors in series from Point C to chassis. The junction of these two resistors is alignment Point E as shown on the schematic.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4.	.01MFD High side to pin 4 (Grid) of 6AC7 (V10) Low side to chassis	4.5MC (Unmod.)	Any	DC Probe to Point \diamond Common to chassis.	A5,A6, A7	Adjust for maximum deflection.
5.	.01MFD	"	"	DC Probe to Point \diamond Common to Point \diamond point \diamond	A8	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting. Continue with step 7.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120V sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	REMARKS	
5.	.01MFD High side to pin 4 (Grid) of 6AC7 (V8). Low side to chassis.	4.5MC (450KC Sweep)	4.5MC	Any	Vert. Amp. to Point \diamond Low side to chassis.	A5,A6, A7	Disconnect stabilizer capacitor C4. Adjust A5, A6, and A7 for maximum amplitude and symmetry as per Fig 2.
6.	.01MFD	"	"	"	Vert. Amp. to Point \diamond Low side to chassis.	A5,A8	Reconnect stabilizer capacitor C4. Adjust A8 so 4.5MC marker occurs at center of crossover lines as per Fig 3. SLIGHTLY retouch A5 for maximum amplitude and straightness of crossover lines.

RF & MIXER ALIGNMENT—TUNER#1

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection.
Connect a 1000MFD capacitor from the grid of the first video amplifier (6AU6, V4) to chassis. Keep leads short as possible.
Connect the DC Probe of VTVM to the junction of R24 and C31, common to chassis. Set contrast control to read -3V. The signal generator should be terminated with a resistance equal to its output impedance (usually 50 ohms). These adjustments are normally very stable and alignment should not be attempted unless they are known to be out of alignment.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	REMARKS	
7.	Two 120 Ω carbon resistors with 120 Ω in each lead.	177MC (10MC Sweep)	175.25MC 179.75MC	7	Vert. Amp. thru 10K Ω to Point \diamond Low side to chassis.	A10,A11 A12,A13	Adjust for approximately flat top response as per Fig 4 with markers above 70%.
8.	"	183MC (10MC Sweep)	181.25MC 185.75MC	8	"	"	Check for response curve as per Fig 4.
9.	"	189MC (10MC Sweep)	187.25MC 191.75MC	9	"	"	"
10.	"	195MC (10MC Sweep)	193.25MC 197.75MC	10	"	"	"
11.	"	201MC (10MC Sweep)	199.25MC 203.75MC	11	"	"	"
12.	"	207MC (10MC Sweep)	205.25MC 209.75MC	12	"	"	"
13.	"	213MC (10MC Sweep)	211.25MC 215.75MC	13	"	"	"

If markers are below 70% on any channel make slight adjustment of A10, A11, A12, and A13 with channel selector on that channel. Recheck all high band channels.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
14. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	85MC (10MC Sweep)	83.25MC 87.75MC	6	Vert. Amp. thru 10KΩ to Point Ⓢ Low side to chassis.	A14,A15 A16,A17	Adjust for approximately flat top response as per Fig. 4 with markers above 70%.
15. "	"	79MC (10MC Sweep)	77.25MC 81.75MC	5	"	"	Check for response as per Fig 4.
16. "	"	69MC (10MC Sweep)	67.25MC 71.75MC	4	"	"	"
17. "	"	63MC (10MC Sweep)	61.25MC 65.75MC	3	"	"	"
18. "	"	57MC (10MC Sweep)	55.25MC 59.75MC	2	"	"	"

If markers are below 70% on any channel make slight adjustment of A14, A15 A16, and A17 with channel selector on that channel. Recheck all low band channels.

OSCILLATOR ALIGNMENT-TUNER*

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
19. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	213MC (10MC Sweep)	211.25MC 215.75MC	13	Vert. Amp. to Point Ⓢ Low side to chassis.	A18,A19	Adjust for response curve as per Fig 5 with markers as shown.
20. "	"	207MC (10MC Sweep)	205.25MC 209.75MC	12	"	A20	"
21. "	"	201MC (10MC Sweep)	199.25MC 203.75MC	11	"	A21	"
22. "	"	195MC (10MC Sweep)	193.25MC 197.75MC	10	"	A22	"
23. "	"	189MC (10MC Sweep)	187.25MC 191.75MC	9	"	A23	"
24. "	"	183MC (10MC Sweep)	181.25MC 185.75MC	8	"	A24	"
25. "	"	177MC (10MC Sweep)	175.25MC 179.75MC	7	"	A25	"
26. "	"	85MC (10MC Sweep)	83.25MC 87.75MC	6	"	A26,A27	"
27. "	"	79MC (10MC Sweep)	77.25MC 81.75MC	5	"	A28	"
28. "	"	69MC (10MC Sweep)	67.25MC 71.75MC	4	"	A29	"
29. "	"	63MC (10MC Sweep)	61.25MC 65.75MC	3	"	A30	"
30. "	"	57MC (10MC Sweep)	55.25MC 59.75MC	2	"	A31	"

WAVE TRAP ADJUSTMENT

Wave traps A32 and A33 are used for specific types of interference and their alignment will depend upon the type encountered. With the receiver tuned to the channel having the interference, set fine tuning control until interference is at maximum. Adjust A32 and A33 for minimum interference in the picture and sound, keeping the cores at approximately the same relative position. Turn one core 1/2 turn, adjust the other for minimum interference.

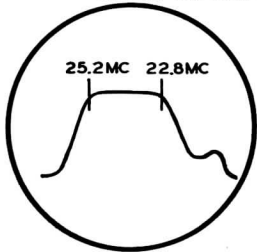


FIG. 1

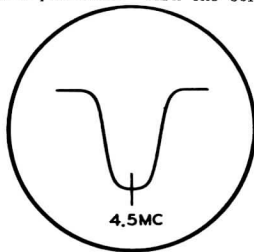


FIG. 2

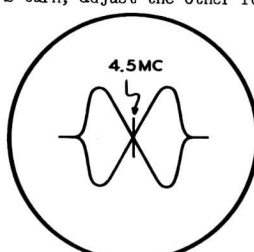


FIG. 3

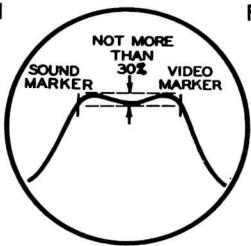


FIG. 4

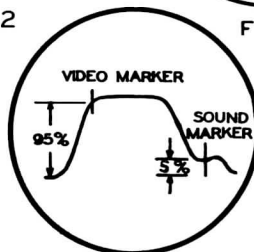
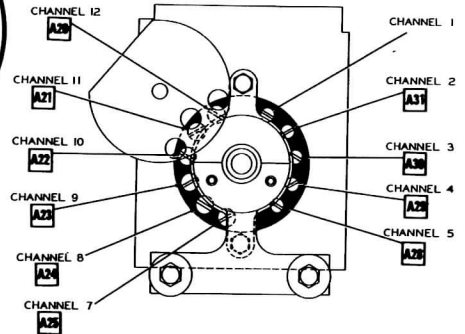


FIG. 5



RF OSCILLATOR ALIGNMENT POINTS

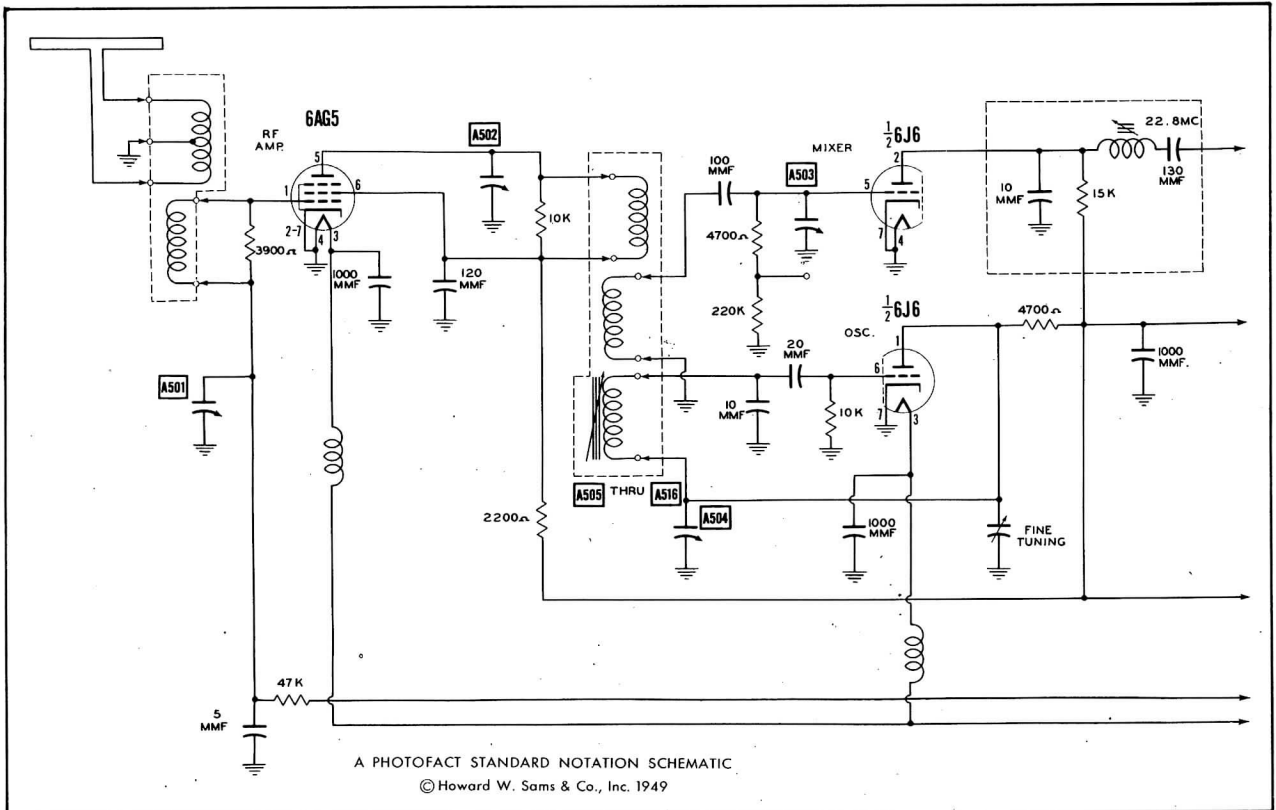
**9123 (Ch. 110.499), 9124 (Ch.110.499-1),
 SILVER TONE MODELS
 9126 (Ch. 110.499-2)**

ALIGNMENT INSTRUCTIONS (CONT.)

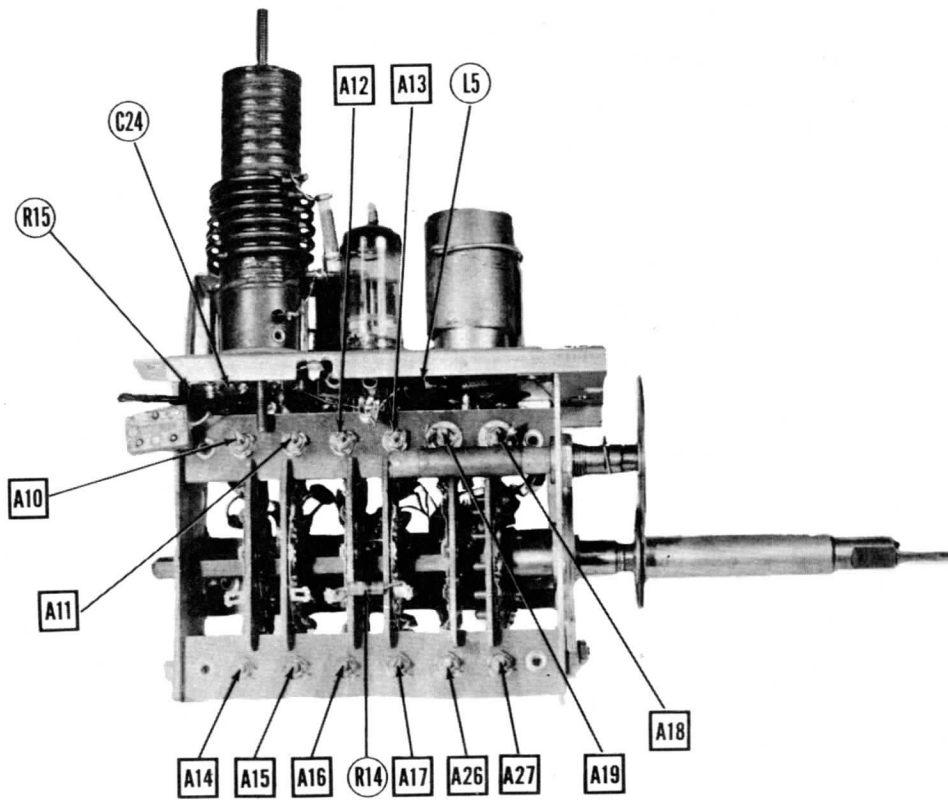
RF & OSCILLATOR ALIGNMENT (TUNER #2)

The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms. Set the contrast control to measure 1 volt on a VTVM connected between pin 5 of V8 and chassis. Complete oscillator alignment may not be necessary. If the oscillator seems to be off frequency approximately the same amount for a majority of the channels, it may be possible to correct them in one step using A504. It should be noted that this is an all channel oscillator circuit adjustment and should not be adjusted for any individual channel. If adjustment of A504 will not bring all channels within the range of the fine tuning control, it will be necessary to use the individual channel oscillator adjustment for each channel that is off frequency (step 32). The individual channel oscillator adjustments are reached through a hold just to the right of the channel switch shaft. The correct adjustment screw is accessible through this hole as the channel switch is turned to each channel.

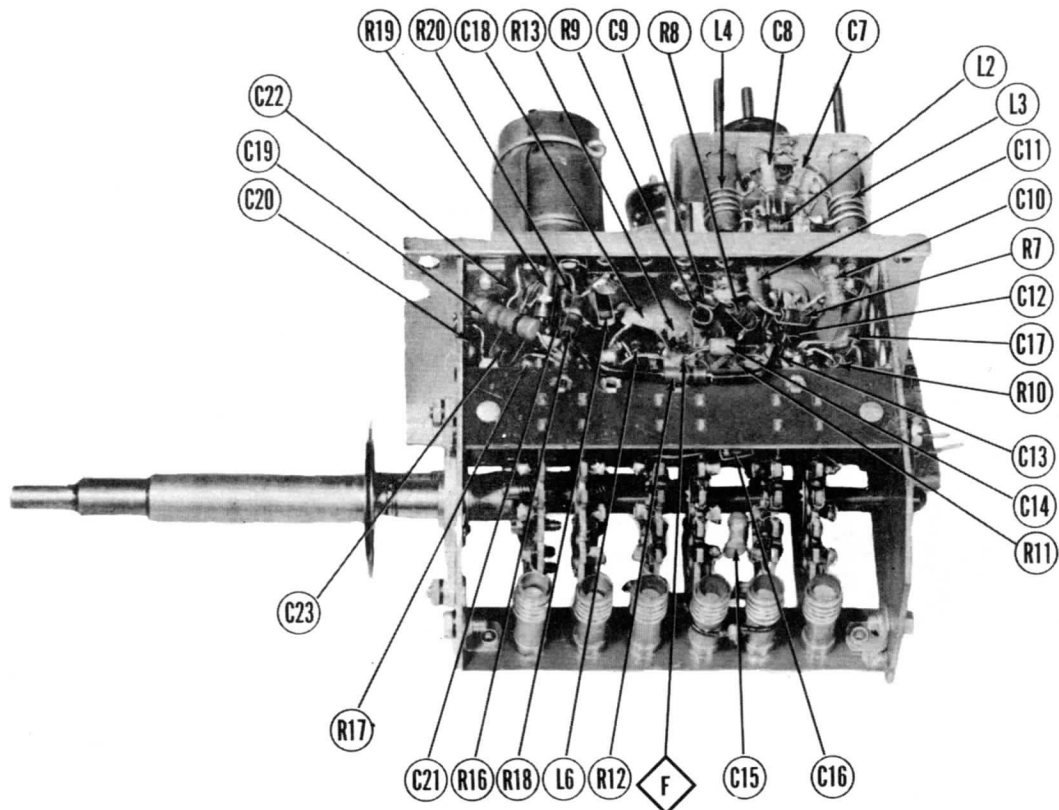
DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
31. Two 120Ω carbon res.	Across antenna terminals with 120Ω in each lead.	207MC (10MC Sweep)	205.25MC 209.75MC	12	Vert. Amp. to Point A. Low side to chassis.	A501, A502, A503	Adjust for response curve similar to Fig 5.
32. "	"	213MC (10MC Sweep)	211.25MC 215.75MC	13	"	A505	Adjust to place markers as shown in Fig 5.
		207MC (10MC Sweep)	205.25MC 209.75MC	12		A506	
		201MC (10MC Sweep)	199.25MC 203.75MC	11		A507	
		195MC (10MC Sweep)	193.25MC 197.75MC	10		A508	
		189MC (10MC Sweep)	187.25MC 191.75MC	9		A509	
		183MC (10MC Sweep)	181.25MC 185.75MC	8		A510	
		177MC (10MC Sweep)	175.25MC 179.75MC	7		A511	
		85MC (10MC Sweep)	83.25MC 87.75MC	6		A512	
		79MC (10MC Sweep)	77.25MC 81.75MC	5		A513	
		69MC (10MC Sweep)	67.25MC 71.75MC	4		A514	
		63MC (10MC Sweep)	61.25MC 65.75MC	3		A515	
		57MC (10MC Sweep)	55.25MC 59.75MC	2		A516	



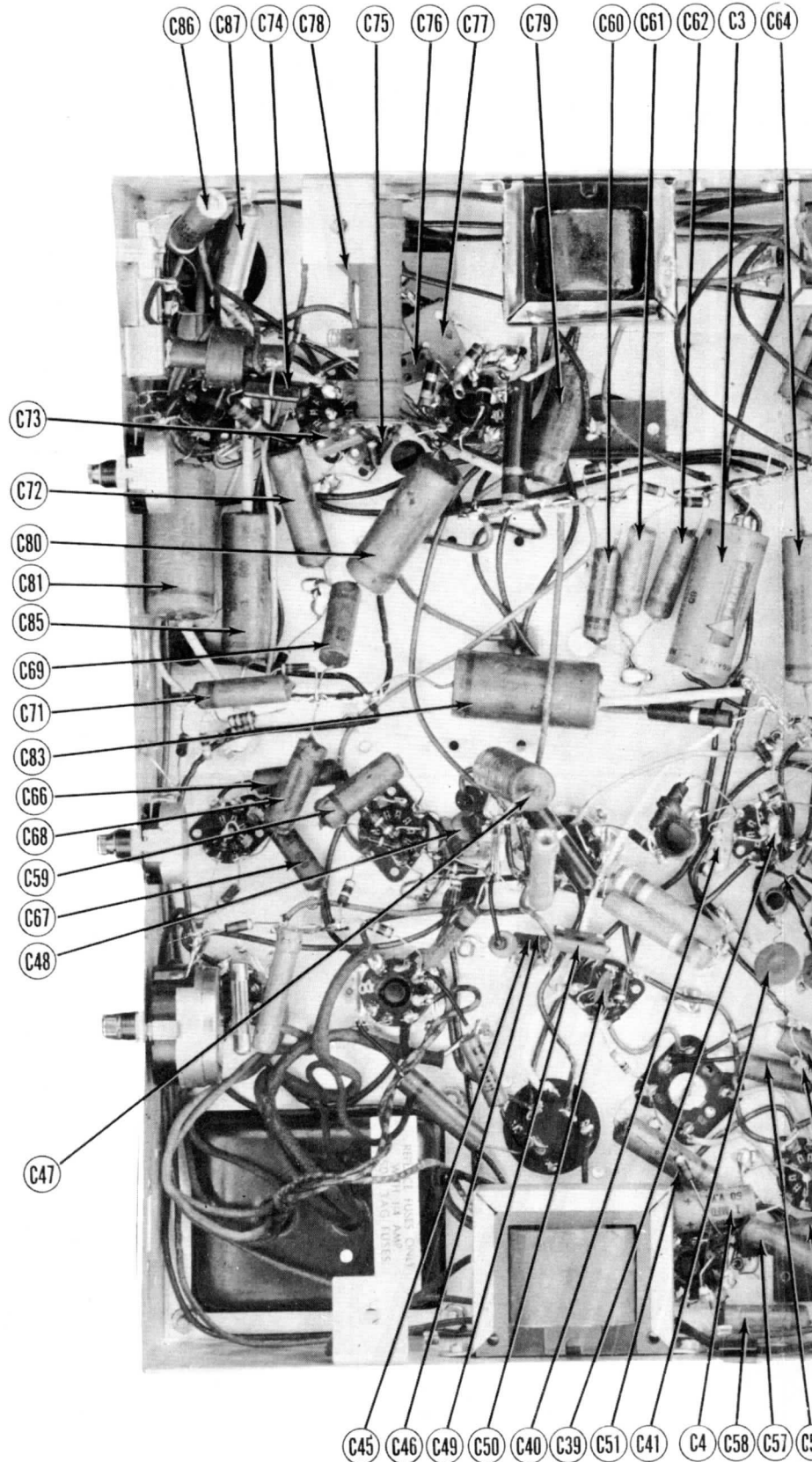
RF TUNER #2



RF TUNER-LEFT SIDE

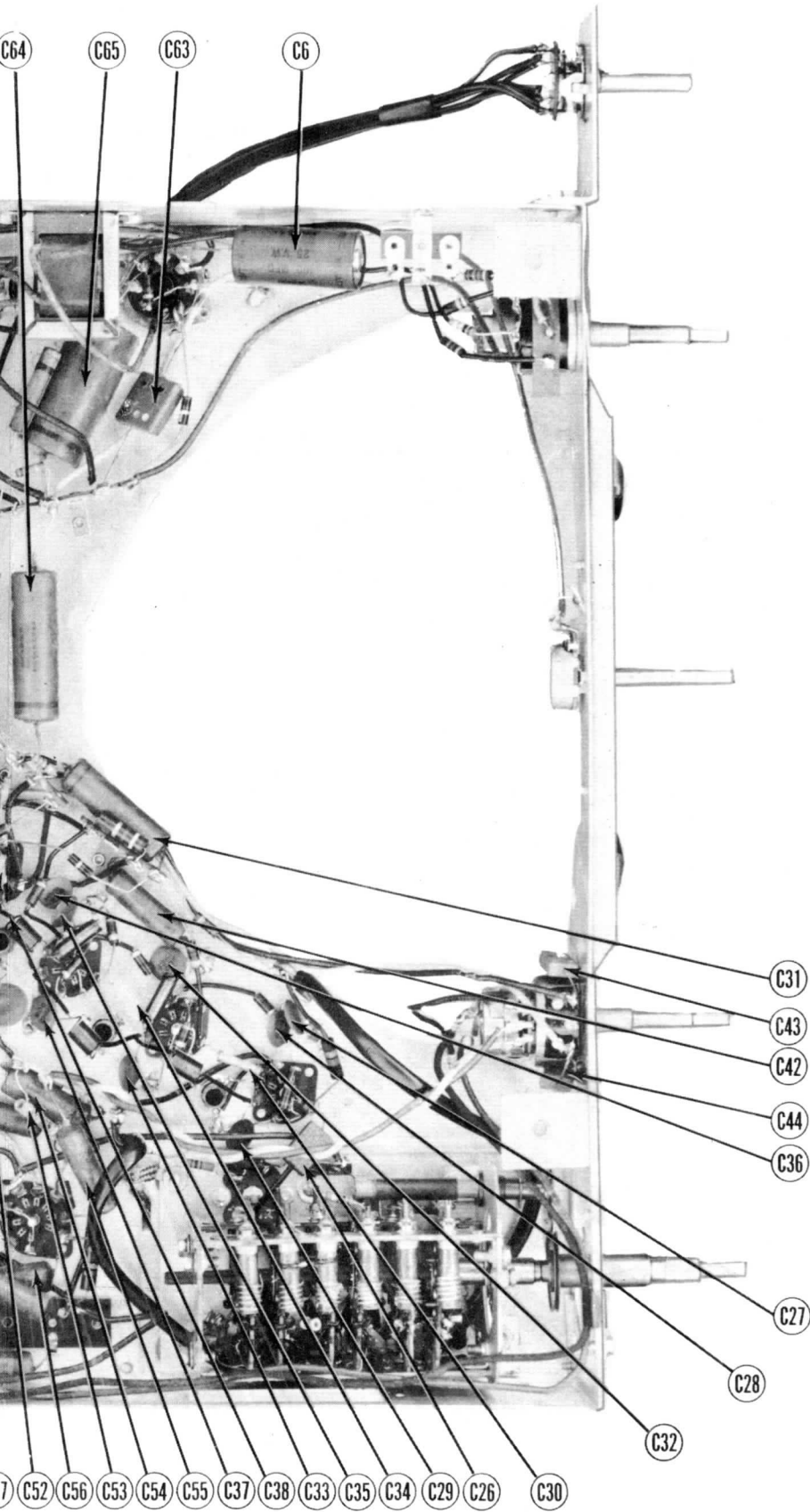


RF TUNER-RIGHT SIDE

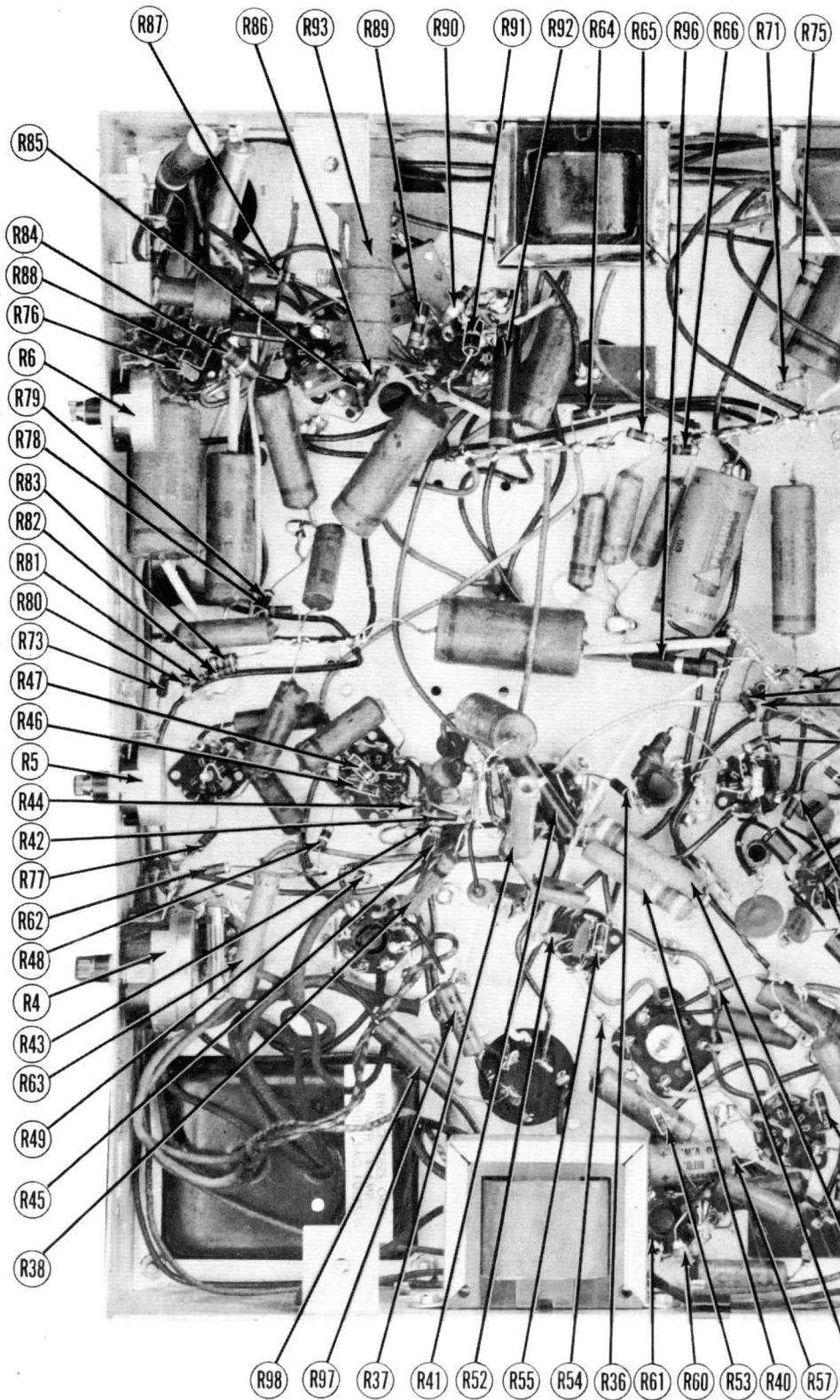


CHASSIS BOTTOM VIEW-CAR

SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
9126 (Ch. 110.499-2)

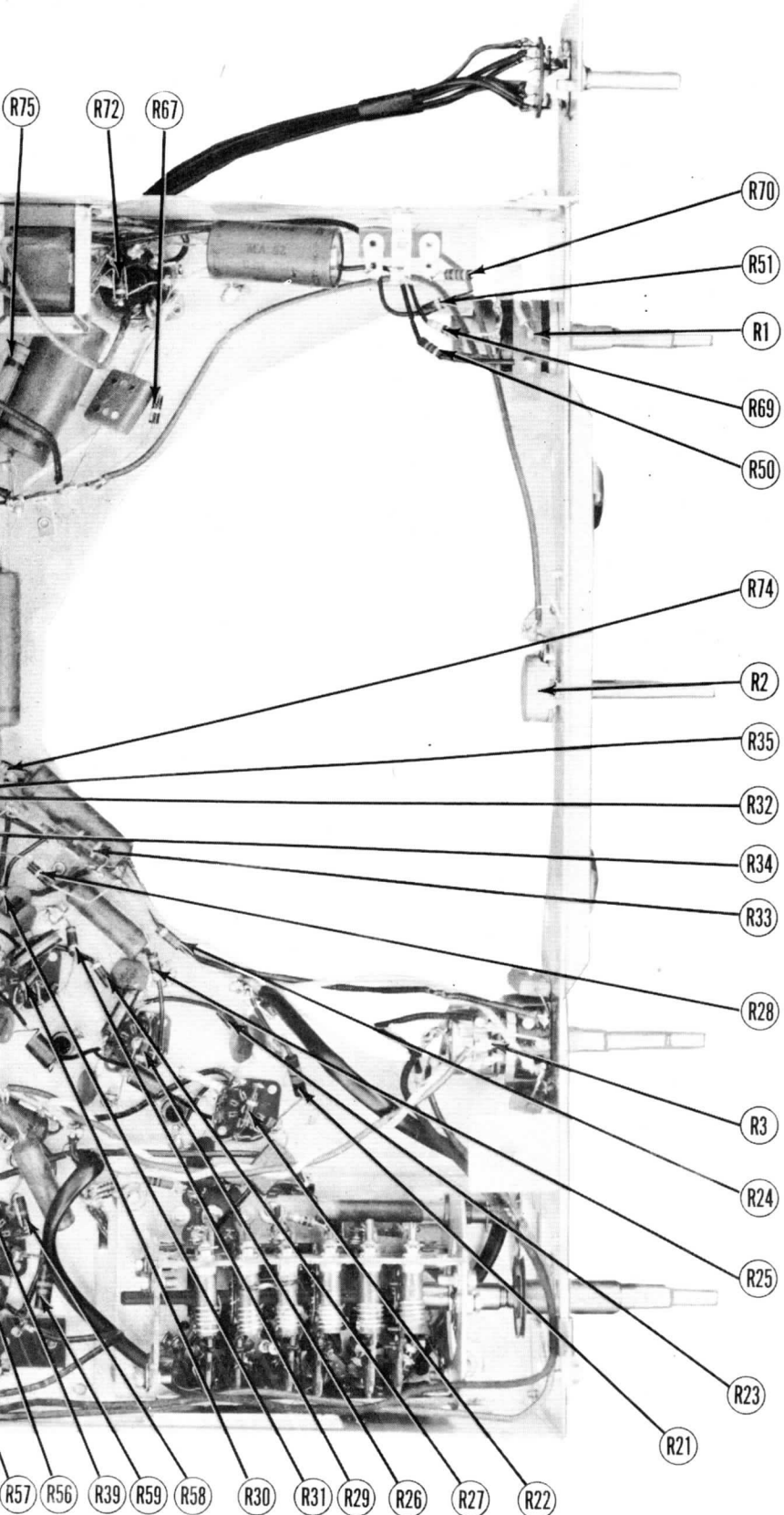


CAPACITOR IDENTIFICATION



CHASSIS BOTTOM VIEW-RES

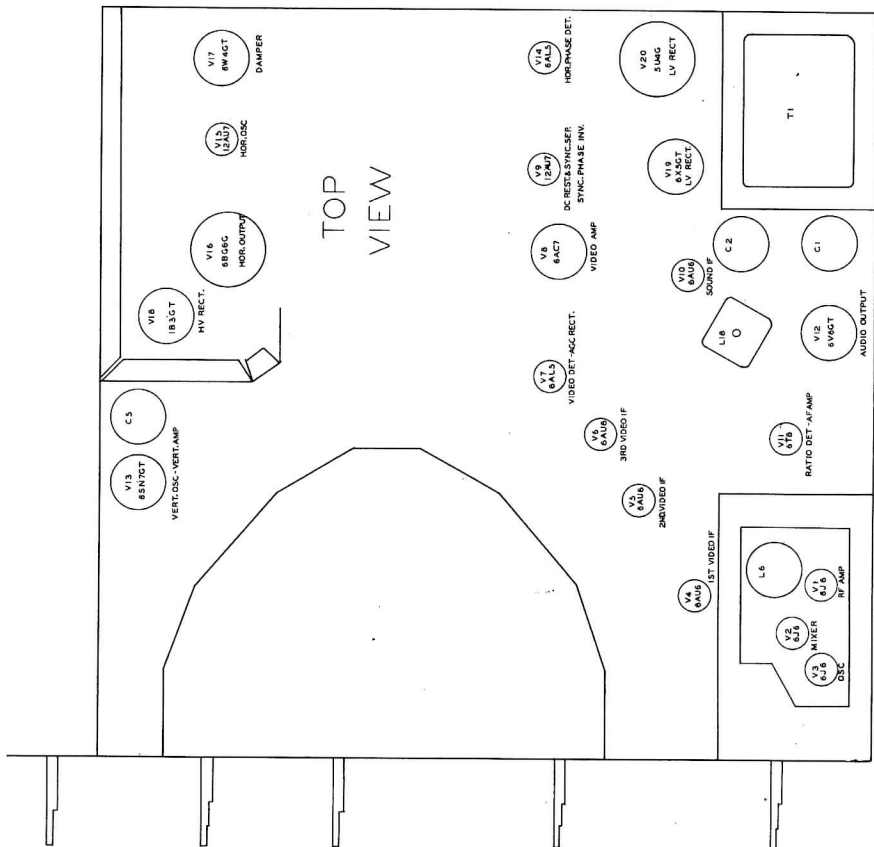
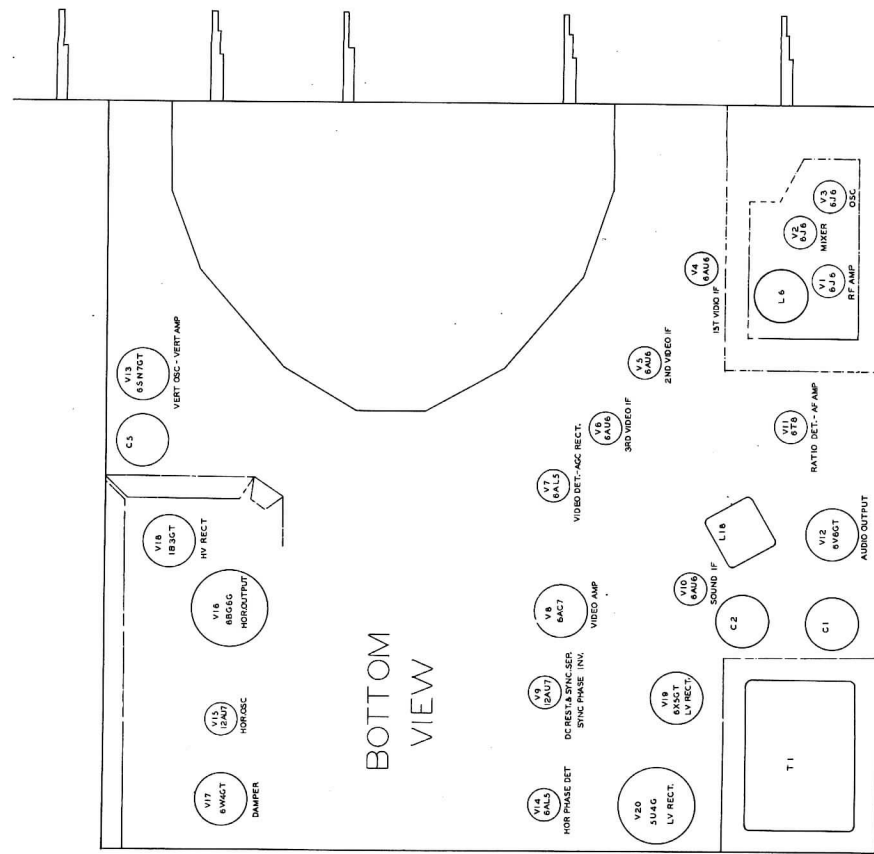
SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
9126 (Ch. 110.499-2)



RESISTOR IDENTIFICATION

**SILVERTONE MODELS
9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
9126 (Ch. 110.499-2)**

CHART PLACEMENT EBUJL



PARTS LIST AND

CAPACITORS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		SILVERTONE PART No.	STANDARD REPLACEMENT		
V1A	RF Amp.	6J6	6J6	7BF	Used in Tuner #1
B	RF Amp.	6AG5	6AG5	7BD	Used in Tuner #2
V2	Mixer	6J6	6J6	7BF	
V3	Oscillator	6J6	6J6	7BF	Used in Tuner #1
V4	1st Video IF Amp.	6AU6	6AU6	7BK	
V5	2nd Video IF Amp.	6AU6	6AU6	7BK	
V6	3rd Video IF Amp.	6AU6	6AU6	7BK	
V7	Video Det. & AGC Rect.	6AL5	6AL5	6BT	
V8	Video Amp.	6AC7	6AC7	8N	
V9	DC Rest.-Sync. Sep.-Sync.	12AU7	12AU7	9A	
V10	Phase Inverter	6AU6	6AU6	7BK	
V11	Sound IF Amp.	6T8	6T8	9E	
V12	Ratio Det.-AF Amp.	6V6GT	6V6GT	7AC	
V13	Vert. Osc.-Vert. Amp.	6SN7GT	6SN7GT	8BD	
V14	Hor. Phase Det.	6AL5	6AL5	6BT	
V15	Hor. Osc.	12AU7	12AU7	9A	
V16	Hor. Output	6BG6G	6BG6G	5BT	
V17	Damper	6W4GT	6W4GT	4CG	
V18	HV Rectifier	1B3GT	1B3GT	3C	
V19	LV Rectifier	6X5GT	6X5GT	6S	
V20	LV Rectifier	5U4G	5U4G	5T	
V21A	Picture Tube	12LP4	12LP4	12D	Used in models 9124 and 9126
B	Picture Tube	10BP4	10BP4	12D	Used in model 9123

ITEM No.	RATING		REPLACEMENT DATA		
	CAP.	VOLT	SILVERTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.
C56	.01	600	P1988	P688-01	GT6S1
C57	.005	600	P1987	P688-005	GT6D5
C58	.005	600	P1987	P688-005	GT6D5
C59	.01	600	P1988	P688-01	GT6S1
C60	.002	600	P19101	P688-002	GT6D2
C61	.005	600	P19120	P688-005	GT6D5
C62	.005	600	P19120	P688-005	GT6D5
C63	4700	500	P1992	1467-005	1D5D5
C64	.1	600	P19121	P688-1	GT6P1
C65	.25	600	P19108	684-25	GT6P25
C66	.001	600	P1991	P688-001	GT6D1
C67	.001	600	P1991	P688-001	GT6D1
C68	.01	600	P1988	P688-01	GT6S1
C69	.01	600	P1988	P688-01	GT6S1
C70	.1	600	P19100	P688-1	GT6P1
C71	.005	600	P1987	P688-005	GT6D5
C72	.1	200	P19111	P288-1	GT2P1
C73	390	500	P19122	1468-0004	5W5T4
C74	3900	500	P19107		
C75	390	500	P1993	1468-0004	5W5T4
C76	270	500	P1994	1468-00025	5W5T25
C77	36	1500	P19135		
C78	36	1500	P19135		
C79	.05	600	P1996	P688-05	GT6S5
C80	.25	400	P1995	P488-25	GT4P25
C81	.25	600	P19108	684-25	GT6P25
C82	220	2500	P19136		
C83	.25	600	P19108	684-25	GT6P25
C84	500	10000	P1998-1		410
C85	.1	600	P1989	P688-1	GT6P1
C86	.02	600	P19106	P688-02	GT6S2
C87	.02	600	P19106	P688-02	GT6S2

* Some models use 120MVF in this application.
 † Some models use 39MVF in this application.
 ‡ Used only in models with 12 inch picture tube. Some series parallel combination in this application.
 § Omit bypass section.

CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA			IDENTIFICATION CODES AND INSTALLATION NOTES
	CAP.	VOLT	SILVERTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	
C1A	40	450	A20126	AFH88J	UP4445	TVL-64 ▲ Filter ▲ Filter ▲ Filter ▲ V. Amp. Screen Byp.
B	40	450	A20127	AFH84F2D	UP43145C	D9041 TVL-40 ▲ Filter ▲ Filter ▲ V. Amp. Screen Byp.
C2A	40	250				TVL-11 TVL-11 TVL-40 ▲ Filter ▲ Filter ▲ V. Amp. Screen Byp.
B	20	250				
C	10	150				
C3	500	6	P20128	FRS6/500	BRH605	TVL-8 Fixed Trimmer
C4	1	50	P20129	E26E39	BBR1-50	TVL-11 TVL-40 ▲ Filter ▲ Filter ▲ V. Amp. Screen Byp.
C5A	40	450	A20125	AF9422J	UP421145	TVL-40 ▲ Filter ▲ Filter ▲ V. Amp. Screen Byp.
B	20	450				
C	10	450				
D	10	450				
C6	100	25	P20130	FRS50/100	BRH251A	TVL-8 Fixed Trimmer
C7	10					NPOK-10 Fixed Trimmer
C8	10					NPOK-10 Fixed Trimmer
C9	1500					GP2L-0015 Fixed Trimmer
C10	270					GP2K-270 RF Coupling
C11	270					GP2K-270 RF Coupling
C12	1.5					Neutralizing
C13	1.5					Neutralizing
C14	.68					RF Coupling
C15	5					RF Coupling
C16	2.2					RF Coupling
C17	1500					RF Coupling
C18	22					RF Coupling
C19	1500					RF Coupling
C20	10					RF Coupling
C21	4.7					RF Coupling
C22	4.7					RF Coupling
C23	1500					RF Coupling
C24	1500					RF Coupling
C25	68					RF Coupling
C26	270	500				RF Coupling
C27	5000		P19109	1468-00025	5W5T25	IFM-325 IF Coupling
C28	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C29	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C30	100		P19110	1468-0001	5W5T1	IFM-325 IF Coupling
C31	1	400	P19111	P488-1	GT4P1	IFM-325 IF Coupling
C32	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C33	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C34	100		P19110	1468-0001	5W5T1	IFM-325 IF Coupling
C35	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C36	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C37	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C38	100		P19110	1468-0001	5W5T1	IFM-325 IF Coupling
C39	100		P19110	1468-0001	5W5T1	IFM-325 IF Coupling
C40	5		P19114	1468-000005	5W5V5	IFM-325 IF Coupling
C41	10000		P19113	P488-01	GT4S1	IFM-325 IF Coupling
C42	.01	400	P19116	P488-01	GT4S1	IFM-325 IF Coupling
C43	470	500	P19105	1468-0005	5W5T5	IFM-325 IF Coupling
C44	680	500	P19104		1W5T7	IFM-325 IF Coupling
C45	67	500				IFM-325 IF Coupling
C46	47					IFM-325 IF Coupling
C47	.1	600	P19121	1469-00005	5R5Q5	IFM-325 IF Coupling
C48	22	500	P1990	1468-000025	5W5Q25	IFM-325 IF Coupling
C49	390	500	P19117	1468-0004	5W5T4	IFM-325 IF Coupling
C50	5000		P19109	1467-005	1D5D5	IFM-325 IF Coupling
C51	.02	600	P19115	P688-02	GT6S2	IFM-325 IF Coupling
C52	.001	600	P19103	P688-001	GT6D1	IFM-325 IF Coupling
C53	3300		P19118			IFM-325 IF Coupling
C54	.05	200	P19119	P288-05	GT2S5	IFM-325 IF Coupling
C55	.005	600	P1987	P688-005	GT6D5	IFM-325 IF Coupling

CONTROL

ITEM No.	RATING		REPLACEMENT DATA		
	RESIST-ANCE	WATTS	SILVERTONE PART No.	IRC PART No.	CLAROSTAT PART No.
R1A	100KΩ			B11-128	
B	1 Meg.		A24100	B11-137	
C				E187	
R2	50KΩ		A24101	Q11-123	
R3A	1000Ω		A2499		
B	250KΩ				
R4	1500Ω		P2525		10-1500
R5	5000Ω		P2523	Q11-114	M-19-S
R6	2.5MΩ		P2524	Q11-239	

Additional parts to be used with "Concentrikrit".

RESISTOR

ITEM No.	RATING		REPLACEMENT DATA		
	RESISTANCE	WATTS	SILVERTONE PART No.	IRC PART No.	ALL PART No.
R7	150Ω				RF C
R8	150Ω				RF C
R9	1000Ω				Bias
R10	4700Ω				RF P
R11	4700Ω				RF P
R12	1000Ω				RF P
R13	1 Meg.				Mix
R14	10KΩ			BTS-10K	Mix
R15	1000Ω			BTS-1000	Mix
R16	150Ω				Deco
R17	4700Ω				Osc.
R18	47Ω				Osc.
R19	100KΩ				Osc.
R20	100KΩ				Osc.
R21	10KΩ		P23108		1st
R22	82Ω		P23148		1st
R23	100Ω		P23109		1st
R24	330Ω		P23110		1st
R25	8200Ω		P23111		2nd
R26	82Ω		P23148		2nd
R27	100Ω		P23109		2nd
R28	1 Meg.		P23112		AGC
R29	8200Ω		P23111		AGC
R30	100Ω		P23109		3rd
R31	100Ω		P23109		3rd
R32	680KΩ		P23113	BTS-680K	AGC
R33	39KΩ		P23107	BTA-39K	Vol
R34	8200Ω		P23111	BTS-8200	Vide
R35	1000Ω		P23114	BTS-1000	Bias
R36	120Ω		P23115		Para
R37	10KΩ		P23101	AB-10K	Vide
R38	6800Ω 20%		P23117	BT-1-6800	Vide
R39	47KΩ		P23116	BT-2-47K	F11
R40	47KΩ		P23116	BT-2-47K	F11
R41	22KΩ		P23100	BT-2-22K	Ble
R42	2200Ω		P23128	BTS-2200	Pict
R43	2700Ω		P23129	BTS-270K	DC P
R44	47KΩ		P23131	BTS-47K	DC P
R45	8200Ω		P23130	BTS-820K	Vol
R46	1 Meg.		P23112	BTS-1 Meg.	Syn
R47	3900Ω		P23132	BTS-3900	Syn
R48	3900Ω		P23132	BTS-3900	Syn
R49	3900Ω		P23132	BTS-3900	Syn

PARTS LIST AND DESCRIPTIONS

CAPACITORS (CONT.)

ITEM No.	RATING CAP.	VOLT	SILVERTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
C56	.01	600	P1988	P688-01	GT6S1	GP2-335-01	TM-11	Audio Coupling
C57	.005	600	P1987	P688-005	GT6D5	GP2M-005	TM-25	Output Plate Bypass
C58	.005	600	P1987	P688-005	GT6D5	GP2M-005	TM-25	Output Plate Bypass
C59	.01	600	P1988	P688-01	GT6S1	GP2-335-01	TM-11	Sync. Coupling
C60	.002	600	P19101	P688-002	GT6D2	GP2M-002	TM-22	Integrator Net.
C61	.005	600	P19120	P688-005	GT6D5	GP2M-005	TM-25	Integrator Net.
C62	.005	600	P19120	P688-005	GT6D5	GP2M-005	TM-25	Integrator Net.
C63	4700	500	P1992	1467-005	1D5D5	GP2M-0047	LFM-25	Vert. Osc. Grid Cap.
C64	.1	600	P19121	P688-1	GT6P1		TM-1	Vert. Discharge
C65	.25	600	P19108	684-25	GT6P25		TC-2	Vert. Sweep Coupling
C66	.001	600	P1991	P688-001	GT6D1	GP2L-001	TM-21	Hor. Sync. Coupling
C67	.001	600	P1991	P688-001	GT6D1	GP2L-001	TM-21	Hor. Sync. Coupling
C68	.01	600	P1988	P688-01	GT6S1	GP2-335-01	TM-11	AFC Filter
C69	.01	600	P1988	P688-01	GT6S1	GP2-335-01	TM-11	AFC Filter
C70	.1	600	P19100	P688-1	GT6P1		TM-1	AFC Feedback
C71	.005	600	P1987	P688-005	GT6D5	GP2M-005	TM-25	Hor. Sync. Coupling
C72	.1	200	P19111	P288-1	GT2P1		TM-1	Hor. Osc. Grid Cap.
C73	390	500	P19122	1468-0004	5W5T4	GP2K-390	LFM-34	Hor. MV Feedback
C74	3900	500	P19107					Fixed Trimmer
C75	390	500	P1993	1468-0004	5W5T4	GP2K-390	LFM-34	Hor. Discharge
C76	270	500	P1994	1468-00025	5W5T25	GP2K-270	LFM-325	Hor. Sweep Coupling
C77	36	1500	P19135					Hor. Feedback
C78	36	1500	P19135					Hor. Feedback
C79	.05	600	P1996	P688-05	GT6S5		TM-15	Hor. Output Screen Byp.
C80	.25	400	P1995	P488-25	GT4P25		TC-2	Hor. Output Cath. Bypass
C81	.25	600	P19108	684-25	GT6P25		TC-2	Damper Filter
C82	220	2500	P19108	684-25	GT6P25		TC-2	Fixed Trimmer +
C83	.25	600	P19108	684-25	GT6P25		TC-2	Hor. Sweep Coupling
C84	500	10000	P1989-1			410-500		HV Filter
C85	.1	600	P1989	P688-1	GT6P1		TM-1	Pic. Tube Cath. Dec.
C86	.02	600	P19106	P688-02	GT6S2		TM-12	Line Filter
C87	.02	600	P19106	P688-02	GT6S2		TM-12	Line Filter

ITEM No.	RATING		REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES	
	RESISTANCE	WATTS	SILVERTONE PART No.	IRC PART No.	CLAROSTAT PART No.	ALL RESISTORS ARE ± 10% UNLESS OTHERWISE STATED		
R1A	100KΩ	1/2	A24100	B11-128			Brightness Control-Front	} Dual Vertical Hold - Rear } Concentric
B	1 Meg.	1/2		B11-137				
C	Shaft			E187			Attach per instructions in "Concentrikit".	
R2	50KΩ	1/2	A24101	Q11-123			Horiz. Hold Control	
R3A	1000Ω	1/2	A2499	Q11-123			Concentric Control, Tapped @ 750Ω, Wire Wound	
R4	1500Ω	1/4	P2525	Q11-114	10-1500		Volume Control and Switch (Dual Concentric)	
R5	5000Ω	1/4	P2523	Q11-239	M-19-S		Focus Control (Wire Wound)	
R6	2.5Meg.	1/2	P2524				Vert. Linearity Control	
R7	150Ω	1/2					Height Control	

* Some models use 120MMF in this application.
 † Some models use 39MMF in this application.
 ‡ Used only in models with 12 inch picture tube. Some models use four 200MMF capacitors in a series parallel combination in this application.
 § Omit bypass section.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA			INSTALLATION NOTES
	RESISTANCE	WATTS	SILVERTONE PART No.	IRC PART No.	CLAROSTAT PART No.	
R70	27KΩ	1/2				P231
R51	220KΩ	1/2				P231
R52	470KΩ	1/2				P231
R53	1000Ω	1/2				P231
R54	1000Ω	1/2				P231
R55	12KΩ	1/2				P231
R56	15KΩ	1/2				P231
R57	47KΩ	1/2				P231
R58	10 Meg.	1				P231
R59	330KΩ	1				P231
R60	470KΩ	1				P231
R61	220Ω	1				P231
R62	100Ω	1				P231
R63	1500Ω	1				P231
R64	22KΩ	1				P231
R65	8200Ω	1				P231
R66	8200Ω	1				P231
R67	1 Meg.	1				P231
R68	1 Meg.	1				P231
R69	100KΩ	1				P231
R70	6.8 Meg.	1				P231
R71	1.5 Meg.	1				P231
R72	2.2 Meg.	1				P231
R73	560Ω	1				P231
R74	3300Ω	1				P231
R75	6800Ω 20%	2				P231
R76	56KΩ	2				P231
R77	33KΩ	2				P231
R78	4700Ω	2				P231
R79	2200Ω	2				P231
R80	100KΩ	2				P231
R81	100KΩ	2				P231
R82	4.7 Meg.	2				P231
R83	470KΩ	2				P231
R84	5600Ω	2				P231
R85	1500Ω	2				P231
R86	100KΩ	2				P231
R87	270KΩ	2				P231
R88	22KΩ	2				P231
R89	68Ω	2				P231
R90	1 Meg.	2				P231
R91	82Ω	2				P231
R92	8200Ω 5%	2				P231
R93	10KΩ	2				A211
R94	3.3Ω	2				P231
R95	1 Meg.	2				P231
R96	10Ω	4				P231
R97	1000Ω	1				P211
R98	100Ω	2				A233

ITEM No.	RATING		SILVERTONE PART No.
	RESISTANCE	WATTS	
R50	27KΩ	1/2	P231
R51	220KΩ	1/2	P231
R52	470KΩ	1/2	P231
R53	1000Ω	1/2	P231
R54	1000Ω	1/2	P231
R55	12KΩ	1/2	P231
R56	15KΩ	1/2	P231
R57	47KΩ	1/2	P231
R58	10 Meg.	1	P231
R59	330KΩ	1	P231
R60	470KΩ	1	P231
R61	220Ω	1	P231
R62	100Ω	1	P231
R63	1500Ω	1	P231
R64	22KΩ	1	P231
R65	8200Ω	1	P231
R66	8200Ω	1	P231
R67	1 Meg.	1	P231
R68	1 Meg.	1	P231
R69	100KΩ	1	P231
R70	6.8 Meg.	1	P231
R71	1.5 Meg.	1	P231
R72	2.2 Meg.	1	P231
R73	560Ω	1	P231
R74	3300Ω	1	P231
R75	6800Ω 20%	2	P231
R76	56KΩ	2	P231
R77	33KΩ	2	P231
R78	4700Ω	2	P231
R79	2200Ω	2	P231
R80	100KΩ	2	P231
R81	100KΩ	2	P231
R82	4.7 Meg.	2	P231
R83	470KΩ	2	P231
R84	5600Ω	2	P231
R85	1500Ω	2	P231
R86	100KΩ	2	P231
R87	270KΩ	2	P231
R88	22KΩ	2	P231
R89	68Ω	2	P231
R90	1 Meg.	2	P231
R91	82Ω	2	P231
R92	8200Ω 5%	2	P231
R93	10KΩ	2	A211
R94	3.3Ω	2	P231
R95	1 Meg.	2	P231
R96	10Ω	4	P231
R97	1000Ω	1	P211
R98	100Ω	2	A233

Note 1. Some models use
 Note 2. Not used in all
 Note 3. Some models use

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA			IDENTIFICATION CODES
	RESISTANCE	WATTS	SILVERTONE PART No.	IRC PART No.	CLAROSTAT PART No.	
R7	150Ω	1/2				RF Grid
R8	150Ω	1/2				RF Grid
R9	1000Ω	1/2				Bias Filter
R10	4700Ω	1/2				RF Plate
R11	4700Ω	1/2				RF Plate
R12	1000Ω	1/2				RF Decoupling
R13	1 Meg.	1/2				Mixer Grid
R14	10KΩ	1/2		BTS-10K		Mixer Grid Shunt
R15	1000Ω	1/2		BTS-1000		Mixer Decoupling
R16	150Ω	1/2				Decoupling
R17	4700Ω	1/2				Osc. Plate
R18	47Ω	1/2				Osc. Cathode
R19	100KΩ	1/2				Osc. Grid
R20	100KΩ	1/2				Osc. Grid
R21	10KΩ	1/2	P23108			1st Video IF Grid
R22	82Ω	1/2	P23148			1st Video IF Cathode
R23	100Ω	1/2	P23109			1st Video IF Decoupling
R24	530Ω	1/2	P23111			AGC Network
R25	8200Ω	1/2	P23110			2nd Video IF Grid
R26	82Ω	1/2	P23148			2nd Video IF Cathode
R27	100Ω	1/2	P23109			2nd Video IF Decoupling
R28	1 Meg.	1/2	P23112			AGC Network
R29	8200Ω	1/2	P23111			3rd Video IF Grid Coil Shunt
R30	100Ω	1/2	P23109			3rd Video IF Cathode
R31	100Ω	1/2	P23109			3rd Video IF Decoupling
R32	680KΩ	1/2	P23113	BTS-680K		AGC Diode Load
R33	39KΩ	1	P23107	BTA-39K		Voltage Divider
R34	8200Ω	1	P23111	BTS-8200		Video Det. Diode Load
R35	1000Ω	1	P23114	BTS-1000		Bias Network
R36	120Ω	1/2	P23115			Parasitic Supp.
R37	10KΩ	1/2	P23101	AB-10K		Video Amp. Plate (Wire Wound)
R38	6800Ω 20%	1	P23117	BT-1-6800		Video Amp. Plate
R39	47KΩ	1/2	P23116	BT-2-47K		Filter
R40	47KΩ	1/2	P23116	BT-2-47K		Filter
R41	22KΩ	1/2	P23100	BT-2-22K		Bleeder
R42	2200Ω	1/2	P23128	BTS-2200		Picture Tube Grid
R43	270KΩ	1/2	P23129	BTS-270K		DC Rest. Load
R44	47KΩ	1/2	P23131	BTS-47K		DC Rest. Load
R45	820KΩ	1/2	P23130	BTS-820K		Voltage Divider
R46	1 Meg.	1/2	P23112	BTS-1 Meg.		Sync. Sep. Grid
R47	3900Ω	1/2	P23132	BTS-3900		Sync. Sep. Cathode
R48	3900Ω	1/2	P23132	BTS-3900		Sync. Sep. Plate
R49	3900Ω	1/2	P23132	BTS-3900		Sync. Sep. Plate

ITEM No.	RATING		
	PRI.	SEC. 1	SEC. 2
T1	117VAC @ 1.75A	780VCT 1.95ADC 350VCT @.040ADC	5VAC @ 3A

Add series resistor to

TRANSFORMERS

ITEM No.	RATING		SILVERTONE PART No.
	DC RESISTANCE PRI.	SEC.	
T2	100Ω		A28263
T3	170Ω	1500Ω	A1099
T4	320Ω	SEC. 1 Tap @ 11Ω Tap @.6Ω SEC. 2 0Ω	A1095
T5	1200Ω	9.4Ω	A1352
T6A	14Ω		A28261
T7	990Ω		A28260

Drill new mounting holes
 †† Drill one new mounting hole

RESISTORS

ITEM No.	RATING			
	IMPEDANCE	DC RES.	PRI.	SEC.
T8	4200Ω	3.5Ω	400Ω	.7Ω

DESCRIPTIONS

(CONT.)

ERIE PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
-335-01	TM-11	Audio Coupling
TM-005	TM-25	Output Plate Bypass
TM-005	TM-25	Output Plate Bypass
-335-01	TM-11	Sync. Coupling
TM-002	TM-22	Integrator Net.
TM-005	TM-25	Integrator Net.
TM-005	TM-25	Integrator Net.
TM-0047	1FM-25	Vert. Osc. Grid Cap.
	TM-1	Vert. Discharge
	TC-2	Vert. Sweep Coupling
CL-001	TM-21	Hor. Sync. Coupling
CL-001	TM-21	Hor. Sync. Coupling
-335-01	TM-11	AFC Filter
-335-01	TM-11	AFC Filter
	TM-1	AFC Feedback
TM-005	TM-25	Hor. Sync. Coupling
	TM-1	Hor. Osc. Grid Cap.
TK-390	1FM-34	Hor. MV Feedback
		Fixed Trimmer
TK-390	1FM-34	Hor. Discharge
TK-270	1FM-325	Hor. Sweep Coupling
		Hor. Feedback
	TM-15	Hor. Output Screen Byp.
	TC-2	Hor. Output Cath. Bypass
	TC-2	Damper Filter
		Fixed Trimmer +
	TC-2	Hor. Sweep Coupling
		HV Filter
0-500	TM-1	Pic. Tube Cath. Dec.
	TM-12	Line Filter
	TM-12	Line Filter

Some models use four 200MF capacitors in a

LS

INSTALLATION NOTES

Brightness Control-Front	} Dual
Vertical Hold - Rear	
Attach per instructions in "Concentrikit".	
Horiz. Hold Control	
Contrast Control, Tapped @ 750Ω, Wire Wound	
Volume Control and Switch (Dual Concentric)	
Focus Control (Wire Wound)	
Vert. Linearity Control	
Height Control	

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	SILVERTONE	IRC	
			PART No.	PART No.	
R50	27KΩ	1/4	P23126	BTS-27K	Voltage Divider
R51	220KΩ	1/4	P23127	BTS-220K	Voltage Divider
R52	470KΩ	1/4	P23118	BTS-470K	Sound IF Grid
R53	1000Ω	1/4	P23114	BTS-1000	Sound IF Plate Decoupling
R54	100KΩ	1/4	P23120	BTS-100K	Sound IF Screen
R55	12KΩ	1/4	P23119	BTS-12K	Voltage Divider
R56	15KΩ	1/4	P23121	BTS-15K	De-emphasis
R57	47KΩ	1/4	P23147	BTS-47K	Ratio Det. Diode Load
R58	10 Meg.	1/4	P23123	BTS-10 Meg.	AF Grid
R59	330KΩ	1/4	P23124	BTA-330K	AF Plate
R60	470KΩ	1/4	P23116	BTS-470K	Output Grid
R61	220Ω	1/4	P23125	BW-1-220	Output Cathode
R62	100Ω	1/4	P23109	BW-1-100	Focus Coil Shunt
R63	1500Ω	1/4	P21101	AB-1500	Series Focus Coil
R64	22KΩ	1/4	P23122	BTS-22K	Integrator
R65	8200Ω	1/4	P23111	BTS-8200	Integrator
R66	8200Ω	1/4	P23111	BTS-8200	Integrator
R67	1 Meg.	1/4	P23112	BTS-1 Meg.	Vert. Osc. Grid See Note 1
R68	1 Meg.	1/4	P23112	BTS-1 Meg.	Vert. Osc. Grid See Note 2
R69	100KΩ	1/4	P23120	BTS-100K	Voltage Divider
R70	6.8 Meg.	1/4	P23150	BTS-6.8 Meg.	Voltage Divider
R71	1.5 Meg.	1/4	P23135	BTS-1.5 Meg.	Vert. Osc. Plate See Note 3
R72	2.2 Meg.	1/4	P23134	BTS-2.2 Meg.	Vert. Amp. Grid
R73	560Ω	1/4	P23137	BTS-560	Vert. Amp. Cathode
R74	3300Ω	1/4	P23136	BTS-3300	Vert. Peaking
R75	6800Ω 20%	1/4	P23133	BT-2-6800	Filter
R76	56KΩ	1/4	P23146	BTS-56K	Filter
R77	33KΩ	1/4	P23138	BTS-33K	Feedback Network
R78	4700Ω	1/4	P23139	BTS-4700	Feedback Network
R79	2200Ω	1/4	P23128	BTS-2200	Feedback Network
R80	100KΩ	1/4	P23120	BTS-100K	Horiz. Phase Det. Load
R81	100KΩ	1/4	P23120	BTS-100K	Horiz. Phase Det. Load
R82	4.7 Meg.	1/4	P23140	BTS-4.7 Meg.	Horiz. Phase Det. Load
R83	470KΩ	1/4	P23118	BTS-470K	Horiz. AFC Filter Network
R84	5600Ω	1/4	P23103	BTA-5600	Horiz. Osc. Plate
R85	1500Ω	1/4	P23141	BTS-1500	Horiz. Osc. Cathode
R86	100KΩ	1/4	P23120	BTS-100K	Horiz. Osc. Grid
R87	270KΩ	1/4	P23129	BTS-270K	Horiz. Osc. Plate Decoupling
R88	22KΩ	1/4	P23100	BT-2-22K	Filter
R89	68Ω	1/4	P23142	P23142	Parasitic Supp.
R90	1 Meg.	1/4	P23112	BTS-1 Meg.	Horiz. Output Grid
R91	82Ω	1/4	P23143	BW-1-82	Horiz. Output Cathode
R92	8200Ω 5%	1/4	P23106	BT-2-8200-5%	Horiz. Output Screen
R93	10KΩ	20	A21100		Damper Filter Tapped @ 7500Ω, Wire Wound
R94	3.3Ω	1	P23144		HV Filament Wire Wound
R95	1 Meg.	1	P23145		HV Filter
R96	10Ω	1	P23104	BW-1-10	Bias Network Wire Wound
R97	1000Ω	4	P21102	AB-1000	Filter Wire Wound
R98	100Ω	2	AE233-2228		Surge Limiter Wire Wound

Note 1. Some models use 1.2 Meg resistor in this application.
 Note 2. Not used in all models.
 Note 3. Some models use 1 Meg resistor in this application.

SILVERTONE MODELS
 9123 (Ch. 110.499), 9124 (Ch. 110.499-1),
 9126 (Ch. 110.499-2)

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	SILVERTONE	STANCOR	MERIT	CHICAGO
					PART No.	PART No.	PART No.	PART No.
T1	117VAC @ 1.75A	780VCT .195ADC 350VCT .040ADC	5VAC @ 3A	6.3VAC @ 9.1A	A1098	P-8157 **		

** Add series resistor to drop voltage to the 40MA DC circuit.

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		SILVERTONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.					
T2	100Ω		A28263				Hor. AFC Coil
T3	170Ω	1500Ω	A1099	A-8111††	A-3000††	TB0-1††	Vert. Block Osc. Trans
T4	320Ω	SEC. 1	A1095	A-8117		TFB-1	Hor. Output Trans.
	Tap @ 105Ω	11Ω Tap @ .6Ω					
		SEC. 2					
T5	1200Ω	9.4Ω	A1352	A-8112	A-3035##	TS0-4 ##	Vert. Output Trans.
T6	14Ω		A28261	DY-1			Hor. Deflection Coil
T7	62Ω						Vert. Deflection Coil
	990Ω		A28260				Focus Coil

Drill new mounting holes.
 †† Drill one new mounting hole.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		SILVERTONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.	PRI.	SEC.					
T8	4200Ω	3.5Ω	400Ω	.7Ω		A-3877††	A-3026	RO-8††	†† Drill one new mounting hole.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			NOTES
			SILVERTONE PART No.	JENSEN PART No.	QUAM PART No.	
	FIELD RES.	V. C. IMP.				
SPLA	PM	3.5Ω	A58121 §	ST-119 # MOD.P10-T	10A4A	# Replace output trans. to match 6-8Ω voice coil. § Used in console models only. ▲ 5" speaker used in table models only.
B	PM		A5866 ▲			
SP2A		V. C. DIA.				
B		9 3/4"	3/4"			

FILTER CHOKE

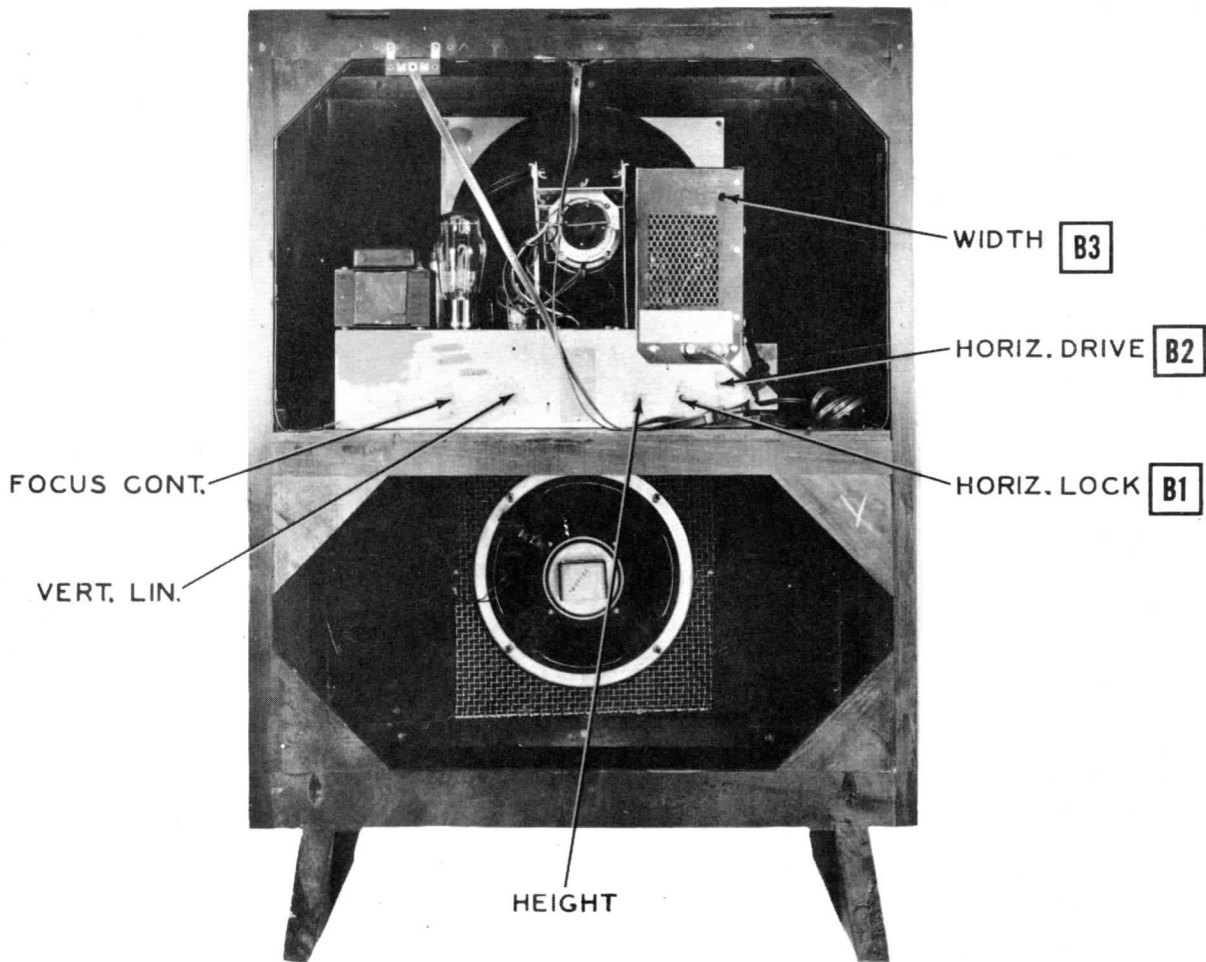
ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 μ)	SILVERTONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
L1	.195A	170Ω	6.6Henries	A1404	C-2225	C-299111	TR-4200	†† Drill one new mounting hole.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
				SILVERTONE PART No.	MEISSNER PART No.	
		PRI.	SEC.			
L2	Ant. Input	0Ω				Part of RF tuner #1.
L3	Interference Trap	0Ω				Part of RF tuner #1.
L4	Interference Trap	0Ω				Part of RF tuner #1.
L5	Fill. Choke	.1Ω		A28264		
L6	Mixer Grid Trap	0Ω				Part of RF tuner #1.
L7	1st Video IF	.1Ω	0Ω			Part of RF tuner #1.
L8	2nd Video IF	.2Ω		A3392		
L9	IF Choke	3Ω		A28253		
L10	3rd Video IF	.2Ω		A3392		
L11	IF Choke	3Ω		A28253		
L12	4th Video IF	.2Ω		A3392		
L13	Peaking	7Ω		A28255-1		
L14	Peaking	20Ω		A28262		
L15	Sound Take-Off	1.5Ω	1.5Ω	A28254		
L16	Peaking	11Ω		A28255-3		
L17	Peaking	14Ω		A28255-4		
L18	Ratio Det.	8Ω	1Ω	A3393		
L19	Fill. Choke	.1Ω		A28264		
L20	Fill. Choke	.1Ω		A28264		
L21	Fill. Choke	.1Ω		A28264		
L22	Horiz. Width Control	.5Ω		A28258		

MISCELLANEOUS

ITEM No.	PART NAME	SILVERTONE PART No.	NOTES
M1A	Tuner Assembly	A54616	Tuner #1
B	Tuner Assembly	A54617	Tuner #2
M2	Fuse		Not used on all models.
M3	Fuse		Not used on all models.
M4	Fuse	A54692	Type 3AG 1/4 Amp.
M5	Ion Trap	A54623	PM Ttpe
	Socket	A18101	Speaker
	Socket	A18156	Picture Tube
	Cabinet	A6066	Model 9123
	Cabinet	A6067	Model 9124
	Cabinet	A6068	Model 9126
	Knob	A39187	On - Off - Volume Control
	Knob	A39189	Horiz. Hold Control
	Knob	A39187	Vert. Hold Control
	Knob	A39188	Contrast Control
	Knob	A39188-1	Brightness Control
	Knob	A39192-1	Ant. Switch - Model 9126 Only
	Knob	A39191	Channel Selector
	Knob	A39190	Fine Tuning Control
	Safety Glass	A62260	Models 9124 and 9126
	Safety Glass	A62256	Model 9123



CABINET-REAR VIEW

DISASSEMBLY INSTRUCTIONS

1. Remove 5 push-on type knobs from controls.
2. Remove 10 screws holding rear cover. Remove cover.
3. Remove speaker plug from top left side of TV chassis.
4. Disconnect two antenna plugs.
5. Remove four 7/16" hex head bolts holding TV chassis to cabinet. Remove TV chassis.
6. Remove four 11/32" hex nuts holding speaker to cabinet. Remove speaker.

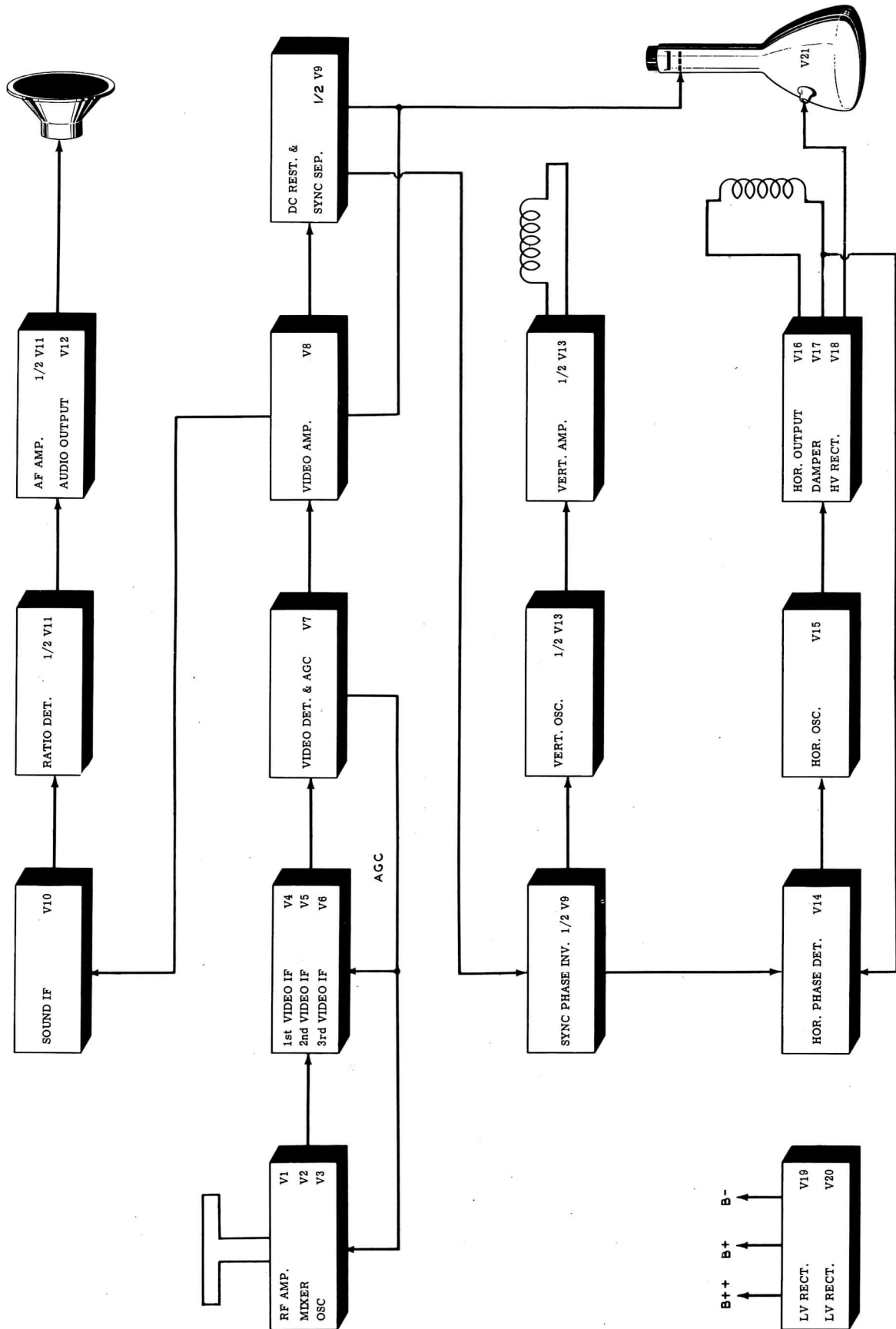
HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Turn the receiver on and tune in a test pattern. Turn vertical hold control to sync picture vertically.

Turn the horizontal hold control to the mid-position of its range. Adjust B1 until picture syncs normally in the horizontal plane.

Adjust B2 for the best compromise between brightness and horizontal linearity.

Adjust B3 so that picture fills the mask horizontally.



BLOCK DIAGRAM