

CABINET-REAR VIEW

DISASSEMBLY INSTRUCTIONS

SAFETY GLASS REMOVAL

Remove top and bottom trim strips by prying at their center. Slide the retaining bars at top and bottom to release and remove them. Remove the safety glass.

CHASSIS REMOVAL

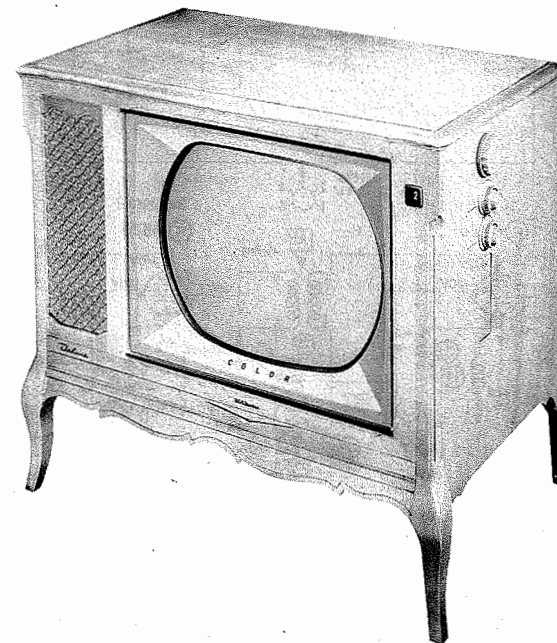
1. Remove 10 push-on type knobs from the side.
2. Remove 5 wood screws, 2 metal screws and 3 metal clips holding the rear cover. Remove the rear cover.
3. Remove the picture tube socket, convergence yoke plug, yoke leads, purity magnet ground lead, HV lead and speaker leads. (Remove Remote Control plugs if so equipped.)
4. Remove 2 wood screws holding top chassis support bracket.
5. Remove 2 chassis bolts from the bottom, 1 from the top.
6. Remove the chassis.

SET 433 FOLDER 2

PHOTOFACT* Folder



with CIRCUITRACE



MODEL 21CD8914M (CH. CTC7AC)

RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

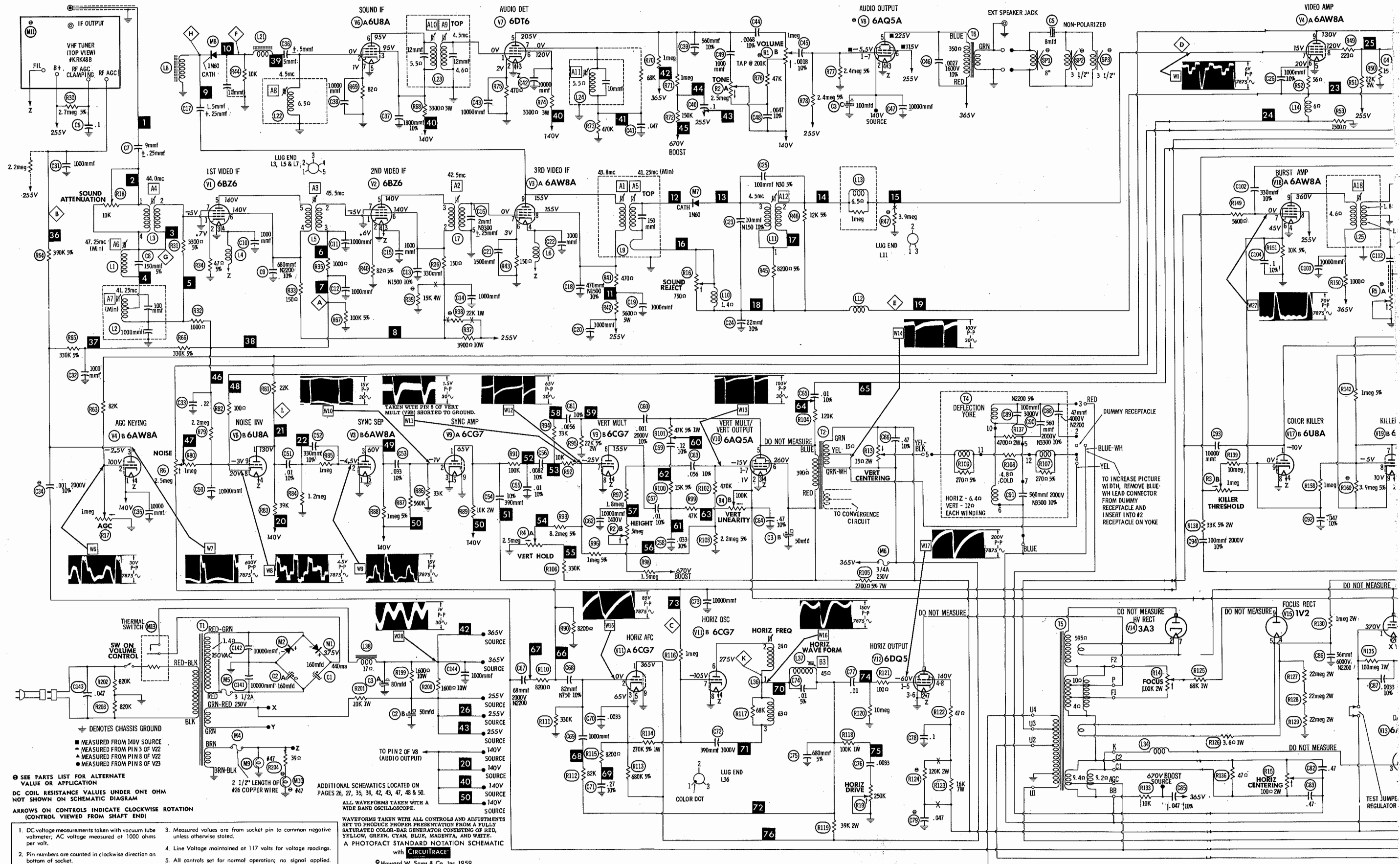
RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

TRADE NAME	RCA Victor	MODELS	CHASSIS
		21CD8725M, 21CD8727M, 21CD8776M, 21CD8777M, 21CT8712M	CTC7AA
		21CD8725MU, 21CD8727MU, 21CT8712MU	CTC7AB
		21CD8865M, 21CD8866M, 21CD8867M, 21CD8906M, 21CD8907M, 21CD8910M, 21CD8914M	CTC7AC
		21CD8865MU, 21CD8866MU, 21CD8867MU, 21CD8906MU, 21CD8907MU, 21CD8910MU, 21CD8914MU	CTC7AD
		21RC8975, 21RC8977	CTC7AE
		21RC8975U, 21RC8977U	CTC7AF
		21RC8985, 21RC8987	CTC7AH
		21RC8985U, 21RC8987U	CTC7AJ
		21CD8845M, 21CD8846M, 21CD8847M	CTC7AK
		21CD8845MU, 21CD8846MU, 21CD8847MU	CTC7AL
		21RC8995, 21RC8996	CTC7AM
		21RC8995U, 21RC8996U	CTC7AN
		21RC8995, U, 21RC8996, U	Remote Control CRK1A, CTP6A
		21RC8975, U, 21RC8977, U, 21RC8985, U, 21RC8987, U	Remote Control KRK83B, KRK84A
MANUFACTURER	Radio Corporation of America, RCA Victor Tele. Div., Camden 8, New Jersey		
TUBES	TV: VHF - Twenty-six, UHF - Twenty-seven Remote Receiver: CTP6A - Nine Remote Receiver: KRK83B - Eight Remote Transmitter: CRK1A - One Transistor Remote Transmitter: KRK84A - Three Transistors		
POWER SUPPLY	110-120 Volts AC, 60 Cycle	RATING	TV: 355 Watts, 3.8 Amp. @ 117 Volts AC Remote Receiver CTP6A: 43 Watts, .4 Amp. @ 117 Volts AC Remote Receiver KRK83B: 48 Watts, .47 Amp. @ 117 Volts AC Remote Transmitter CRK1A: .013 Amp. @ 6.5 Volts DC Remote Transmitter KRK84A: .195 Amp. @ 9 Volts DC
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)		

HOWARD W. SAMs & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of H924, J127

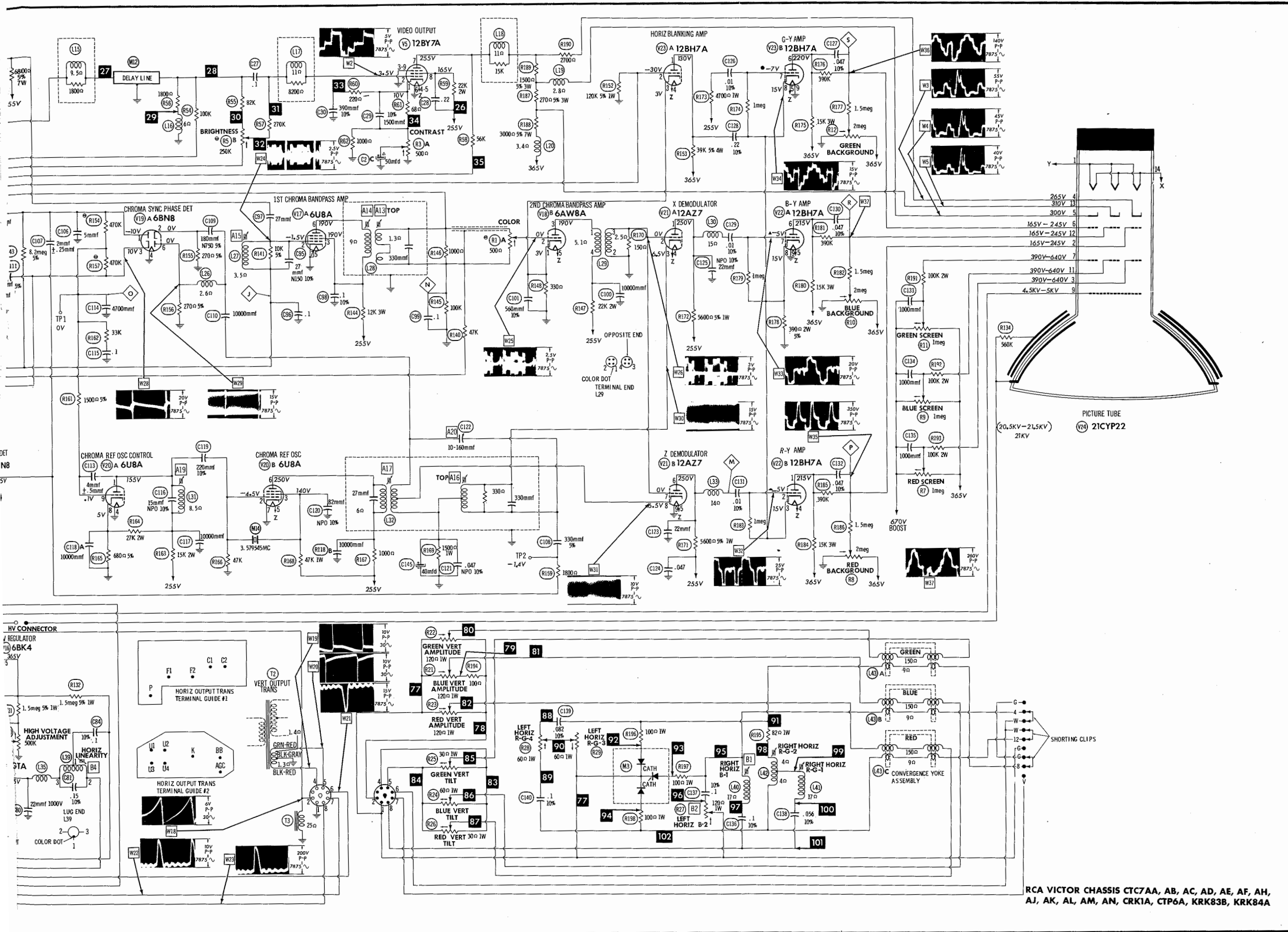
the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1959 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America



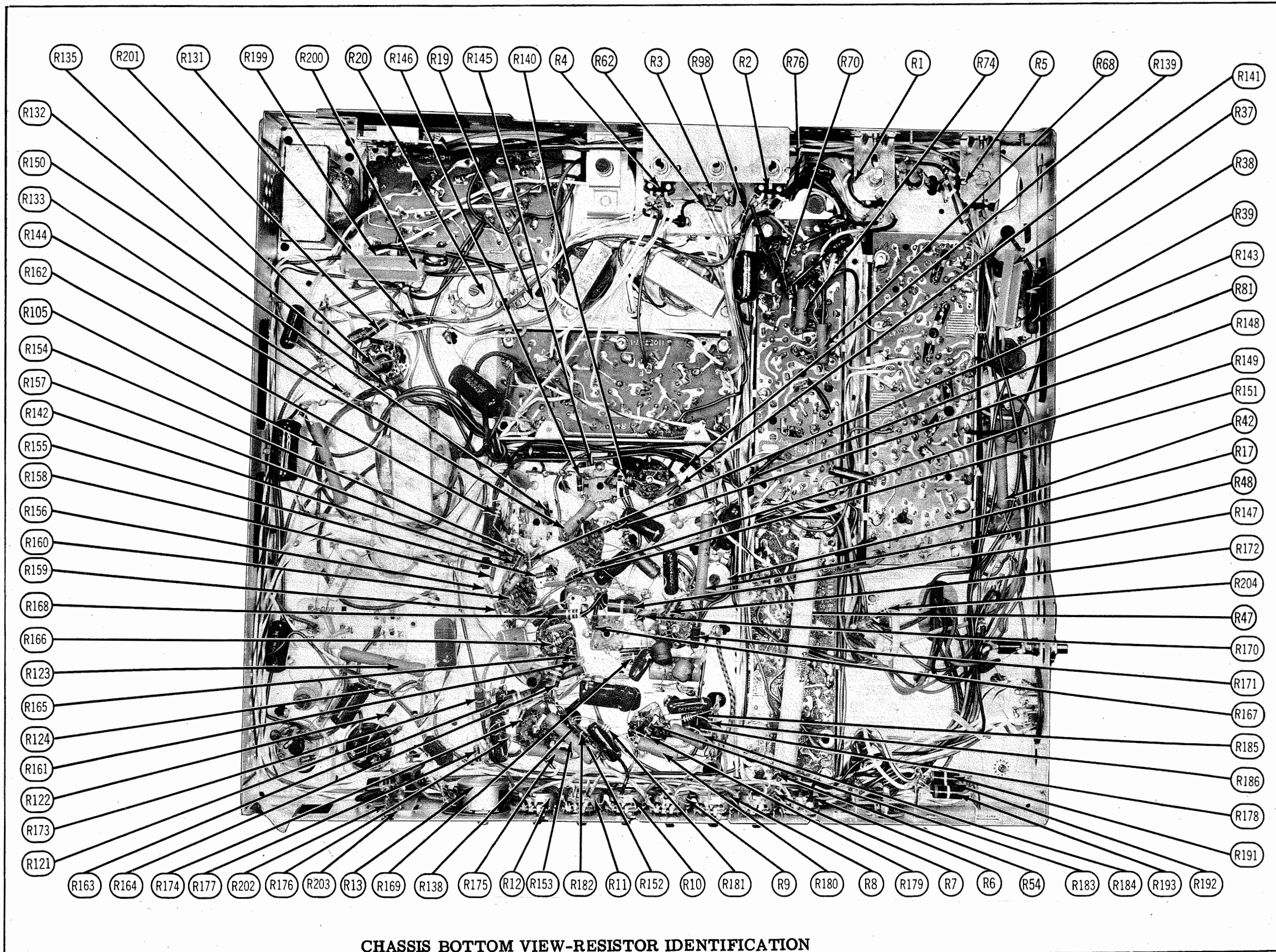
SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION
 DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM
 ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltage measured at 1000 ohms per volt.
 2. Pin numbers are counted in 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. All controls set for normal operation; no signal applied.

ADDITIONAL SCHEMATICS LOCATED ON PAGES 26, 27, 35, 39, 42, 43, 47, 48 & 50.
 ALL WAVEFORMS TAKEN WITH A WIDE BAND OSCILLOSCOPE.
 WAVEFORMS TAKEN WITH ALL CONTROLS AND ADJUSTMENTS SET TO PRODUCE PROPER PRESENTATION FROM A FULLY SATURATED COLOR-BAR GENERATOR CONSISTING OF RED, YELLOW, GREEN, CYAN, BLUE, MAGENTA, AND WHITE.
 A PHOTOFACI STANDARD NOTATION SCHEMATIC with **CIRCUITRACE**
 © Howard W. Sams & Co., Inc. 1959

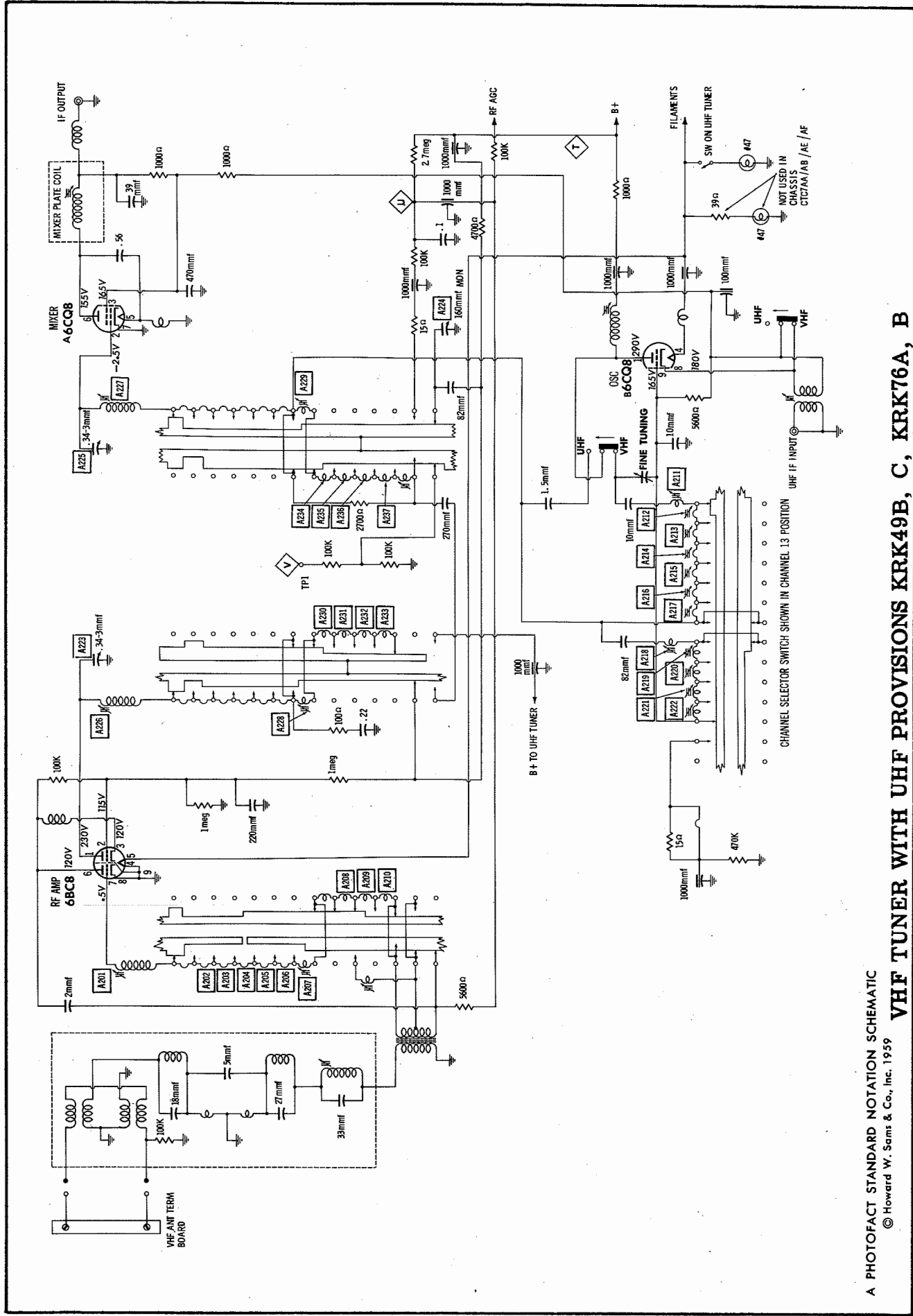


RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

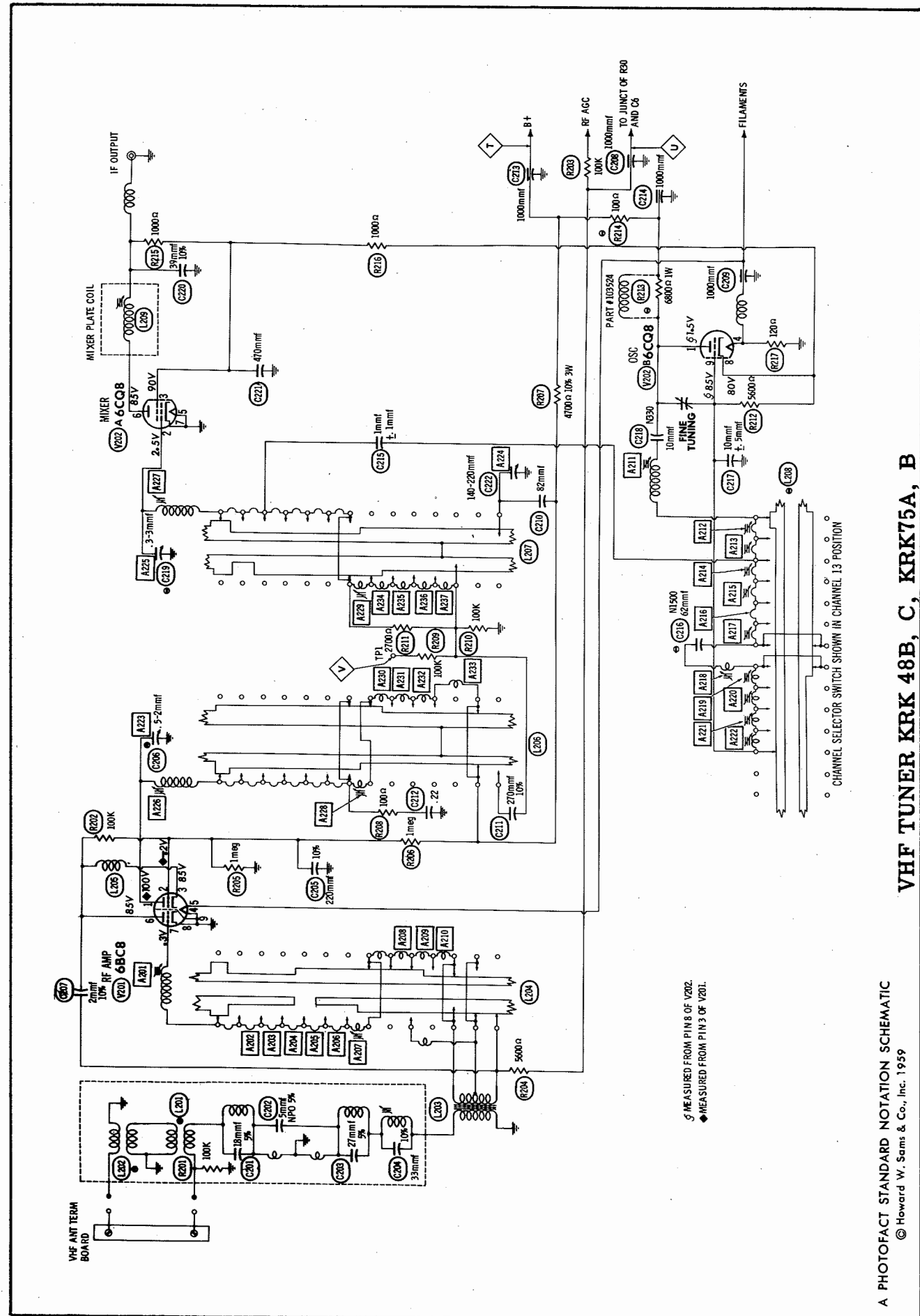


CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION

FOLDER 2



A PHOTOFACT STANDARD NOTATION SCHEMATIC
 © Howard W. Sams & Co., Inc. 1959
VHF TUNER WITH UHF PROVISIONS KRK49B, C, KRK76A, B



A PHOTOFACT STANDARD NOTATION SCHEMATIC
 © Howard W. Sams & Co., Inc. 1959
RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CRP6A, KRK83B, KRK84A

◊ MEASURED FROM PINS OF V202.
 ◆ MEASURED FROM PIN 3 OF V201.

TUNER ALIGNMENT INSTRUCTIONS

PRE-ALIGNMENT INSTRUCTIONS FOR TUNERS KRK48B, C, KRK75A, B

Allow a 20 minute warm-up period for the receiver and test equipment.
 Disable the Horizontal Sweep Circuit by removing the 3/4A fuse and connecting a 1500Ω 100 watt resistor between hot side of fuse holder and chassis.
 Connect a short jumper between tuner AGC terminal and chassis.
 Suggested alignment tools: A201, A223 thru A229 General Cement #5000, 5003, 5009, 8290
 Walsco #2520, 2523, 2525, 2537
 A211 thru A222 General Cement #5009, 8195, 8274, 8275, 8728, 8987
 Walsco #2531

ANTENNA INPUT ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
 Use only enough sweep generator output to provide a usable pattern on scope.
 Use 10MC sweep unless otherwise noted.
 Coils not containing adjustable cores are adjusted by expanding or compressing coil turns.
 Remove tuner B+ at point \diamond .

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. Fig. 201	Across antenna terminals thru pad (Fig. 201).	207MC	205.25MC 209.75MC	12	Vert. Amp. to point \diamond . Low side to chassis.	A201	Adjust A201 for response similar to Fig. 202.
2.	"	201MC	199.25MC 203.75MC	11	"	A202	"
3.	"	195MC	193.25MC 197.75MC	10	"	A203	"
4.	"	189MC	187.25MC 191.75MC	9	"	A204	"
5.	"	183MC	181.25MC 185.75MC	8	"	A205	"
6.	"	177MC	175.25MC 179.75MC	7	"	A206	"
7.	"	79MC	77.25MC 81.75MC	5	"	A207	"
8.	"	69MC	67.25MC 71.75MC	4	"	A208	"
9.	"	63MC	61.25MC 65.75MC	3	"	A209	"
10.	"	57MC	55.25MC 59.75MC	2	"	A210	Adjust A201 for response similar to Fig. 202. Reconnect tuner B+ at point \diamond .

VHF OSCILLATOR ALIGNMENT

Set the Fine Tuning to the center of its range.
 Use only enough generator output to provide a usable indication on VTVM.
 Unplug cable from IF output jack. Connect .001mfd in series with 39Ω across IF output jack.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
11. Direct	Place a thin insulated metal strip between the Mixer-Osc. tube (V202), and tube shield. Connect the high side of sweep generator to the metal strip. Low side to chassis.	257MC	13	Vert. Amp. to point \diamond . Low side to chassis.	A211	Adjust for zero beat on scope.
		251MC	12		A212	
		245MC	11		A213	
		239MC	10		A214	
		233MC	9		A215	
		227MC	8		A216	
		221MC	7		A217	
		129MC	6		A218	
		123MC	5		A219	
		113MC	4		A220	
		107MC	3		A221	
	101MC	2	A222			

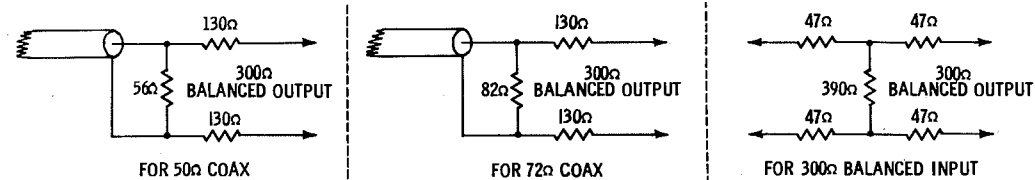
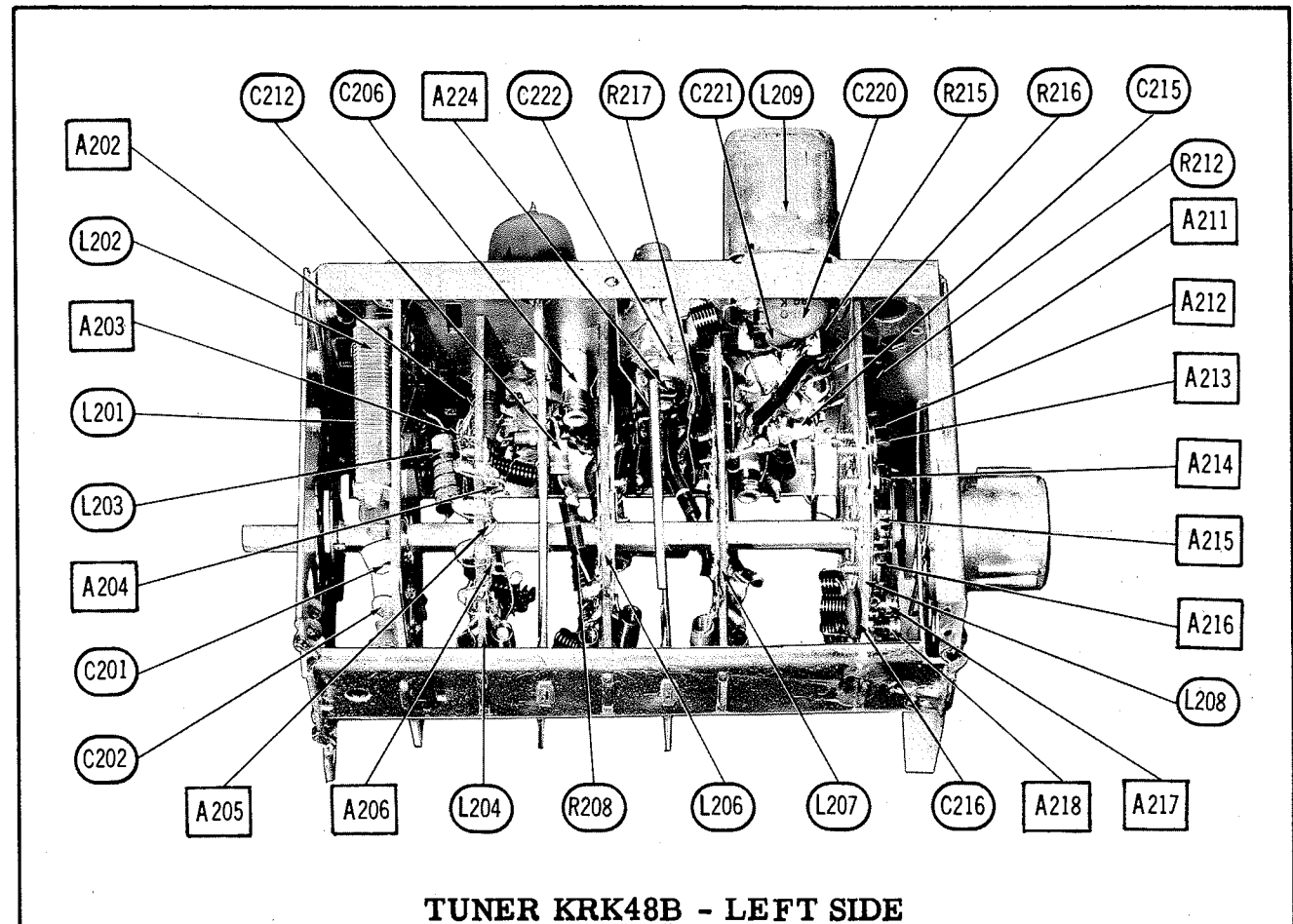
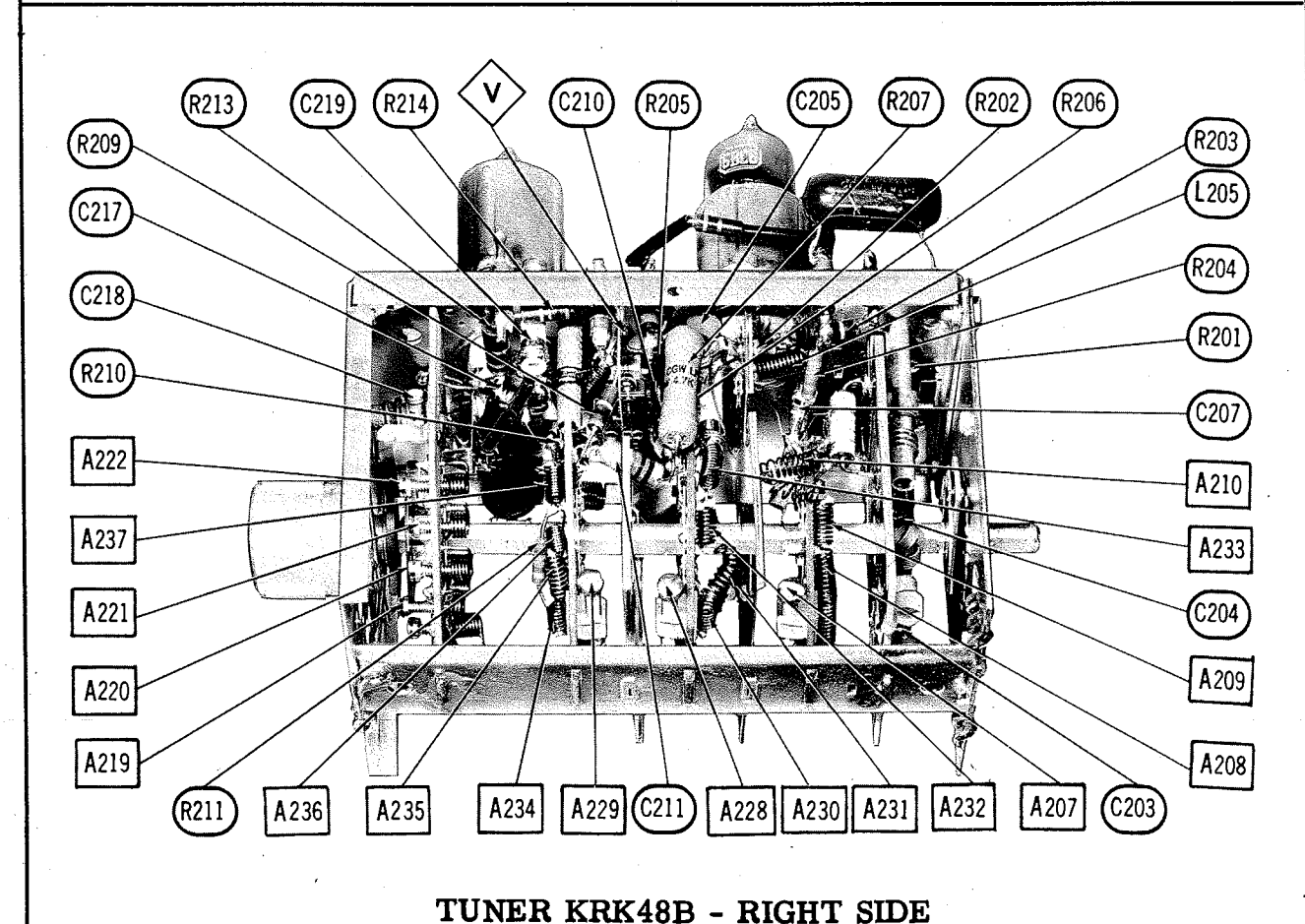


FIG. 201



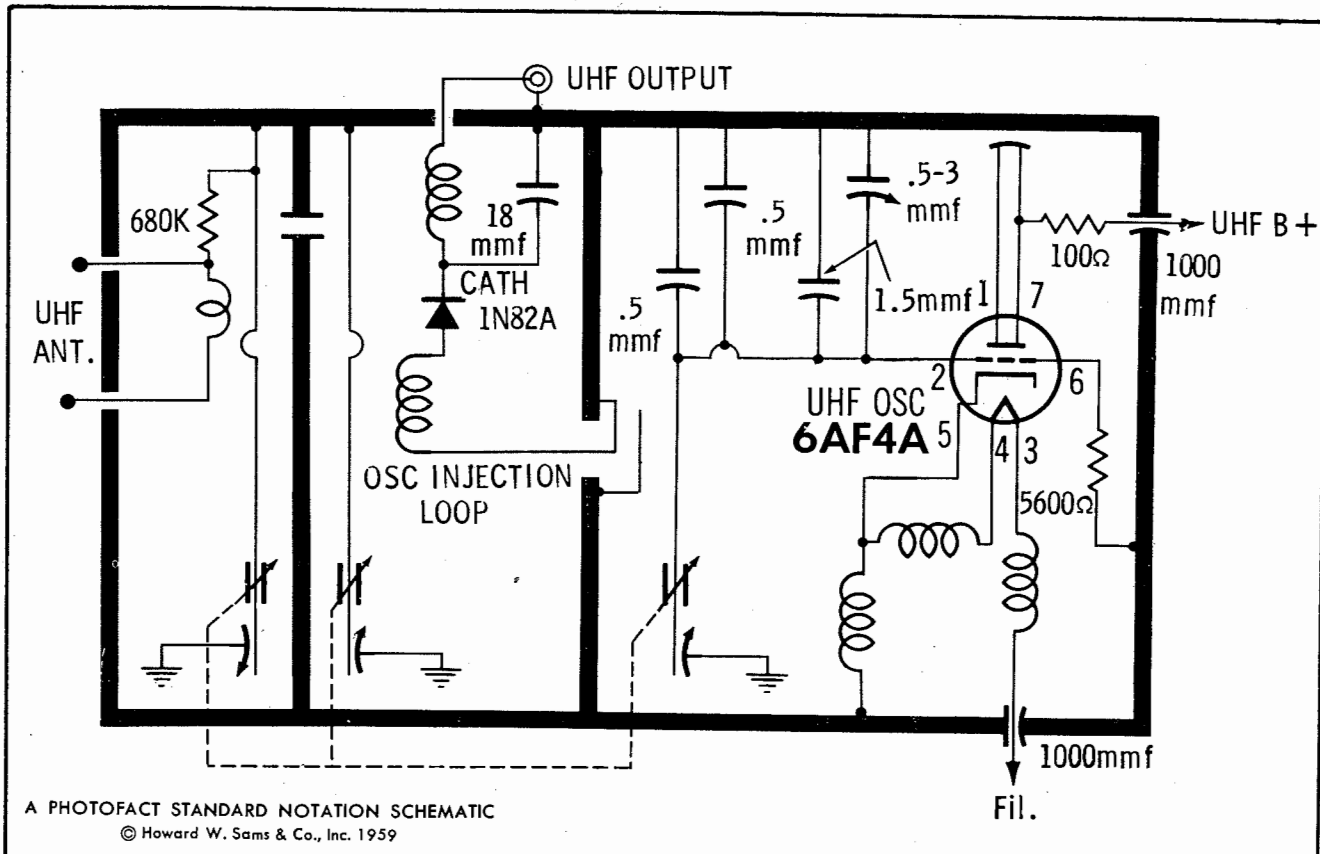
TUNER KRK48B - LEFT SIDE



TUNER KRK48B - RIGHT SIDE

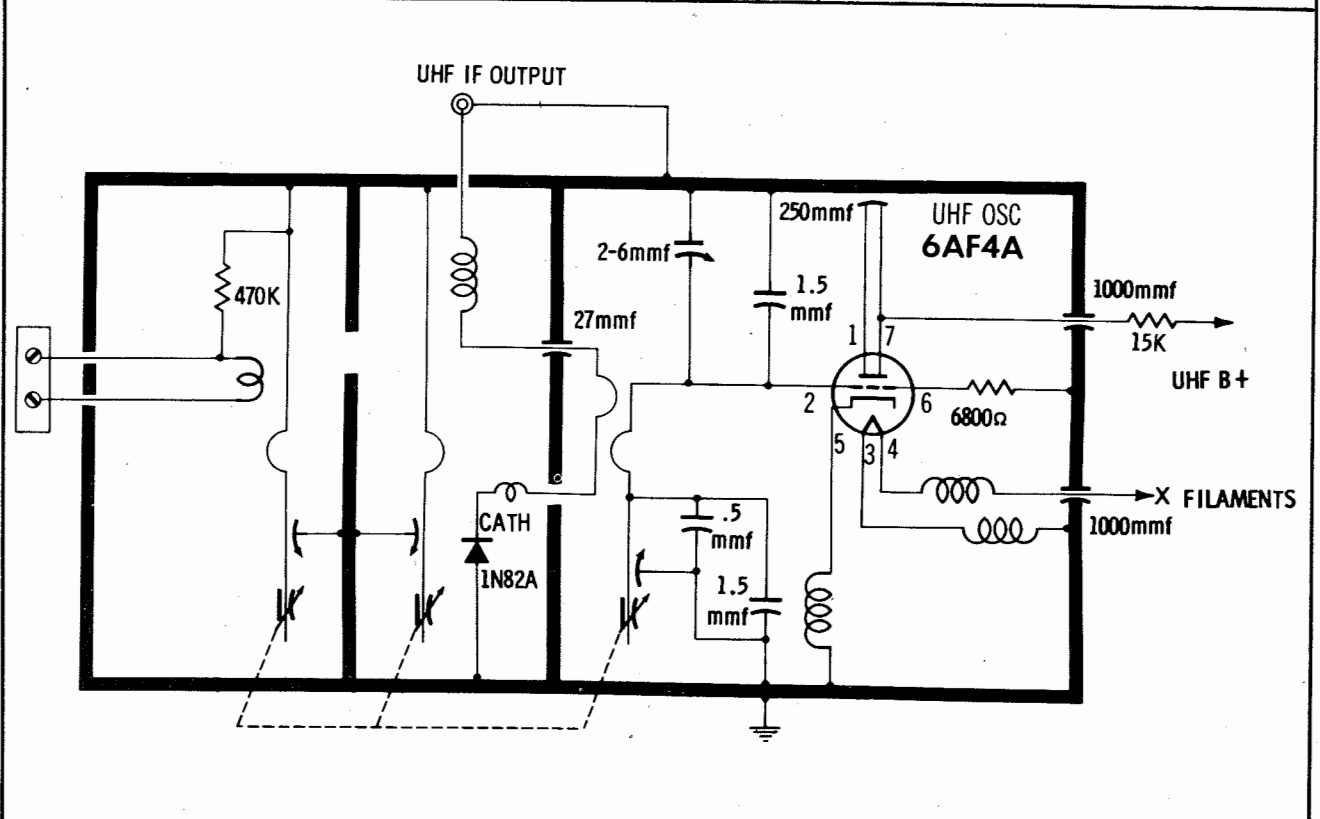
RCA VICTOR CHASSIS CT7A, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2



A PHOTOFAC STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1959

UHF TUNER KRK66L, M, P & R



A PHOTOFAC STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1959

ALTERNATE CIRCUIT UHF TUNER KRK66L, M, P & R

TUNER ALIGNMENT INSTRUCTIONS (cont)

VHF RF AND MIXER ALIGNMENT

Set the Fine Tuning to the center of its range.
Use only enough sweep generator output to provide a usable pattern on scope.
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.
Use 10MC sweep unless otherwise noted.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
12. Fig. 201	Across antenna terminals thru pad (Fig. 201).	183MC	181.25MC 185.75MC	8	Vert. Amp. to point ∇ . Low side to chassis.	A223, A224, A225	Adjust for response similar to Fig. 203. Adjust A223 to place markers on curve, A225 for proper tilt and A224 for bandwidth.
13. "	"	213MC	211.25MC 215.75MC	13	"	A226, A227, A224	Adjust for response similar to Fig. 203. Adjust A226 to place markers on curve, A227 for proper tilt and A224 for bandwidth. Temporarily remove signal generator connection and check oscillator injection voltage (Meter should read -1.5 to -5 volts) if outside limits. Replace V202 and repeat steps 12 and 13.
14. "	"	85MC	83.25MC 87.75MC	6	"	A228, A229	Adjust for response similar to Fig. 203. Adjust A228 to place markers on curve, A229 for proper tilt. Check response on channels 5 thru 2. If response is not in limits proceed with steps 15 thru 18.
15. "	"	79MC	77.25MC 81.75MC	5	"	A230, A231	Adjust for response similar to Fig. 203. Coils not containing adjustable cores are adjusted by expanding or compressing coil turns.
16. "	"	69MC	67.25MC 71.75MC	4	"	A232, A233	"
17. "	"	63MC	61.25MC 65.75MC	3	"	A234, A235	"
18. "	"	57MC	55.25MC 59.75MC	2	"	A236, A237	"

UHF ALIGNMENT

This portion of the receiver has been properly aligned at the factory and is very stable. Alignment of this portion should not be required in the field.

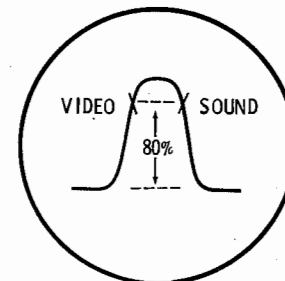


FIG. 202A

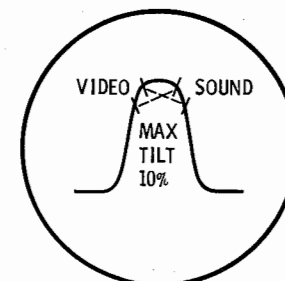


FIG. 202B

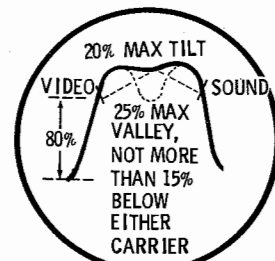


FIG. 203A

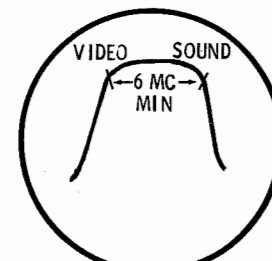


FIG. 203B

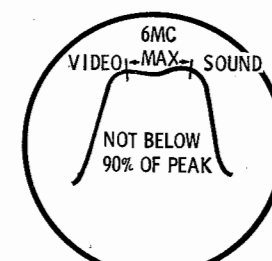


FIG. 203C

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

TUNER PARTS LIST AND DESCRIPTIONS

KRK48B,C KRK75A,B

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V201	RF Amp.	6BC8	
V202	Mixer-Osc.	6CQ8	

FIXED CAPACITORS

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

ITEM No.	RATING CAP.	VOLT	REPLACEMENT DATA					NOTES
			RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLOY PART No.	
C201	18		102646		TCZ-18		CNO-418	5%
C202	5		102571					NPO 5%
C203	27		100352		TCZ-27		CNO-427	5%
C204	33		102573	NPO-SI 33	D6-330	C10Q33C	ZT-5433	10%
C205	220		100672	NPO-DI 220	D6-221	C10T22U	JL-322	10%
C206	.5-2		103554					10%
C207	2		78047	NPO-SI 2		C10V2C		10%
C208	1000		103517	EF-001	MFT-1000		503C-DI	
C209	1000		105660	EF-001	MFT-1000		503C-DI	
C210	82		103560	1469-000082	TCZ-B2	22A5Q82	MS-482	10%
C211	270		77838	NPO-SI 270	D6-271	C10T27U		10%
C212	.22		105857					
C213	1000		103517	EF-001	MFT-1000		503C-DI	
C214	1000		105660	EF-001	MFT-1000		503C-DI	
C215	1.0		105781					±.1mmf
C216	62		106743					N750
C217	10		78350	NPO-SI 10	TCZ-10			±.5mmf
C218	10		106046					N330
C219	.3-3		103552					10%
C220	39		104931	NPO-DI 39	DD-390	L10Q39	CNO-439	
C221	470		78622	DI-470	DD-471	L10T47	B-347	
C222	140-200		103519				5GA-T47	

- ① Tuners KRK48C, KRK75A, B use .34-3mmf in this application (Part #105757).
 ② Some versions of KRK48B use 68mmf N1500 (Part #105855). Tuner KRK48C uses 47mmf N1500 (Part #102882).

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT		
R201	100K			
R202	100K			
R203	100K			
R204	5600Ω			
R205	1meg			
R206	1meg			
R207	4700Ω	10%	104835	
R208	100Ω			
R209	100K			

ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT		
R210	100K			
R211	2700Ω			
R212	5600Ω			
R213	6800Ω			Note 1
R214	100Ω			Note 2
R215	1000Ω			
R216	1000Ω			
R217	120Ω			

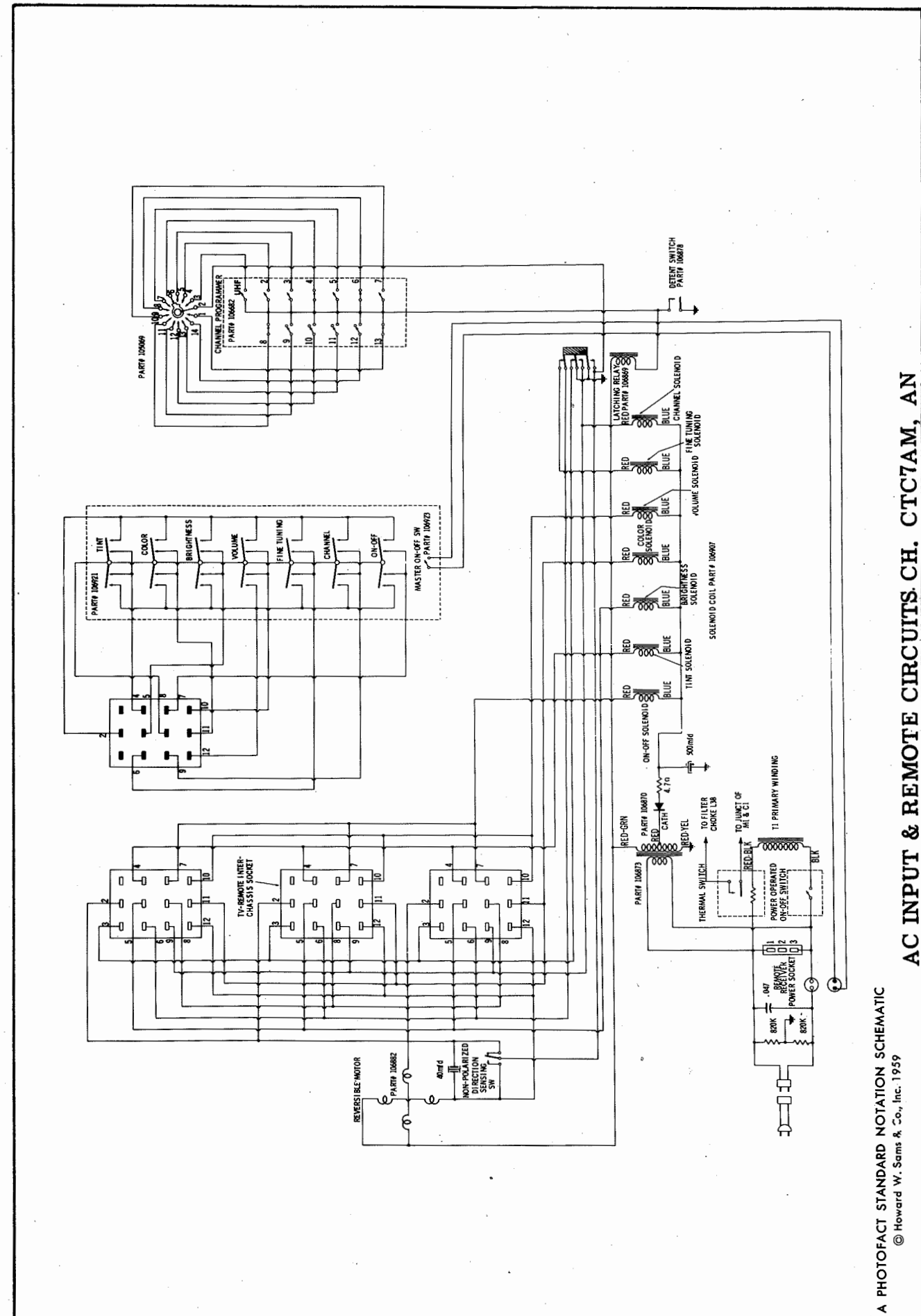
- Note 1. Tuner KRK75A, B use 4700Ω 1/2 W in this application.
 Note 2. Tuner KRK75A, B use 3300Ω 1/2 W in this application.

COILS (RF-IF)

ITEM No.	USE	RCA Victor PART No.	NOTES
L201	Ant. Matching Trans.	102576 ①	
L202	Ant. Trans.	102576 ①	
L203	Ant. Trans.	104937	
L204	Ant. Coils	104941	Channel 2-13, Includes wafer assy.
L205	RF Choke	76562	
L206	RF Coils	104939	Channel 2-13, Includes wafer assy.

ITEM No.	USE	RCA Victor PART No.	NOTES
L207	Mixer Grid Coils	104940	Channel 2-13, Includes wafer assy.
L208	Osc. Coils	104938 ②	Channel 2-13, Includes wafer assy.
L209	Mixer Plate Coil	104943	

- ① Tuner KRK75A, B combine L201, L202 in Part #104936.
 ② Tuner KRK75A, B use Part #106490.



A PHOTOFACT STANDARD NOTATION SCHEMATIC
 © Howard W. Sams & Co., Inc. 1959

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A, AN 'WV1C1C' HC SLINCIRC ETOWER & LINDI CA

FOLDER 2

REMOTE CONTROL ALIGNMENT INSTRUCTIONS

REMOTE CONTROL RECEIVER ALIGNMENT FOR KRK83B

A transmitter which has been checked for frequency accuracy may be substituted for the Signal Generator. Preset A1 and A2 so that the cores are at approximately the center of the coils. Suggested alignment tools: A1, A2 General Cement #8721, 8722 Walsco #2519
 A3, A4, A5 General Cement #8607, 9291 Walsco #2520, 2522, 2523, 2524, 2537
 A6, A7, A10 General Cement #9440
 A8, A9 General Cement #5000, 5003, 5014, 5015, 5016, 8276, 8290 Walsco #2512, 2515, 2522, 2523, 2525, 2537

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
13. 1500mmf Ceramic Capacitor	High side to point \diamond Low side to chassis.	40.5KC (Unmod)		DC probe to point \diamond Common to chassis.	A1, A2	Adjust for maximum deflection. Use only enough generator output to provide a usable indication on VTVM.
14. "	"	1.25KC		DC probe to pin 5 (cathode) of 6AL5 (1st. LF Rect.). Common to chassis.	A3	"
15. "	"	2.25KC		DC probe to pin 3 (cathode) of 6BN8 (2nd. LF Rect.). Common to chassis.	A4	"
16. "	"	3.5KC		DC probe to pin 9 (cathode) of 6BN8 (3rd. LF Rect.). Common to chassis.	A5	"

REMOTE CONTROL TRANSMITTER ALIGNMENT FOR KRK84A

A separate transmitter which has been checked for frequency accuracy may be substituted for the Signal Generator. Remove the 40.5KC Oscillator transistor. The bottom shield and front bezel must be in place during alignment.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
17. 1500mmf Ceramic Capacitor	High side to Vert. Amp. of scope. Low side to scope.	41.75KC (Unmod) (Depress "On-Off" button)		Vert. Amp. thru 10mmf to point \diamond . Low side to chassis.	A6	Adjust for zero beat on scope.
18. "	"	40.5KC (Depress "Sound" button)		"	A7	Adjust for zero beat on scope. Replace the 40.5KC transistor in transmitter. Remove 41.75KC Oscillator transistor.
19. "	"	40.5KC (Depress "On-Off" button)		"	A8	Adjust for zero beat on scope.
20. "	"	38.25KC (Depress "Sound" button)		"	A9	Adjust for zero beat on scope. Replace 41.75KC transistor.
21. "	Disconnect signal generator.	Depress "Channel" button		Vert. Amp. thru 10mmf to point \diamond . Low side to chassis.	A10	Adjust for maximum amplitude consistent with maximum modulation percentage. (See Fig. 1)

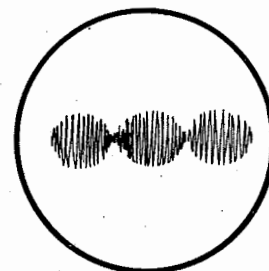
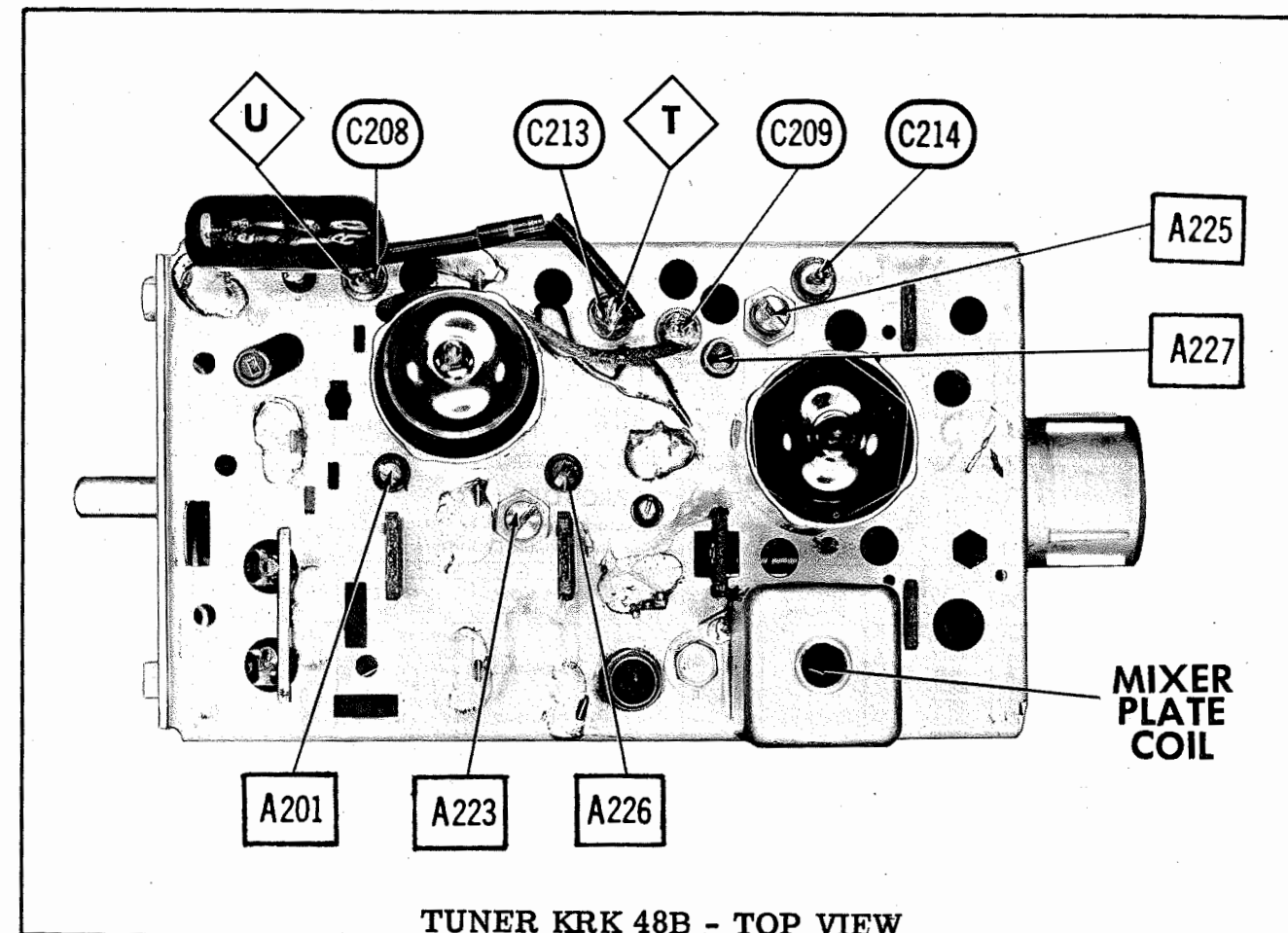
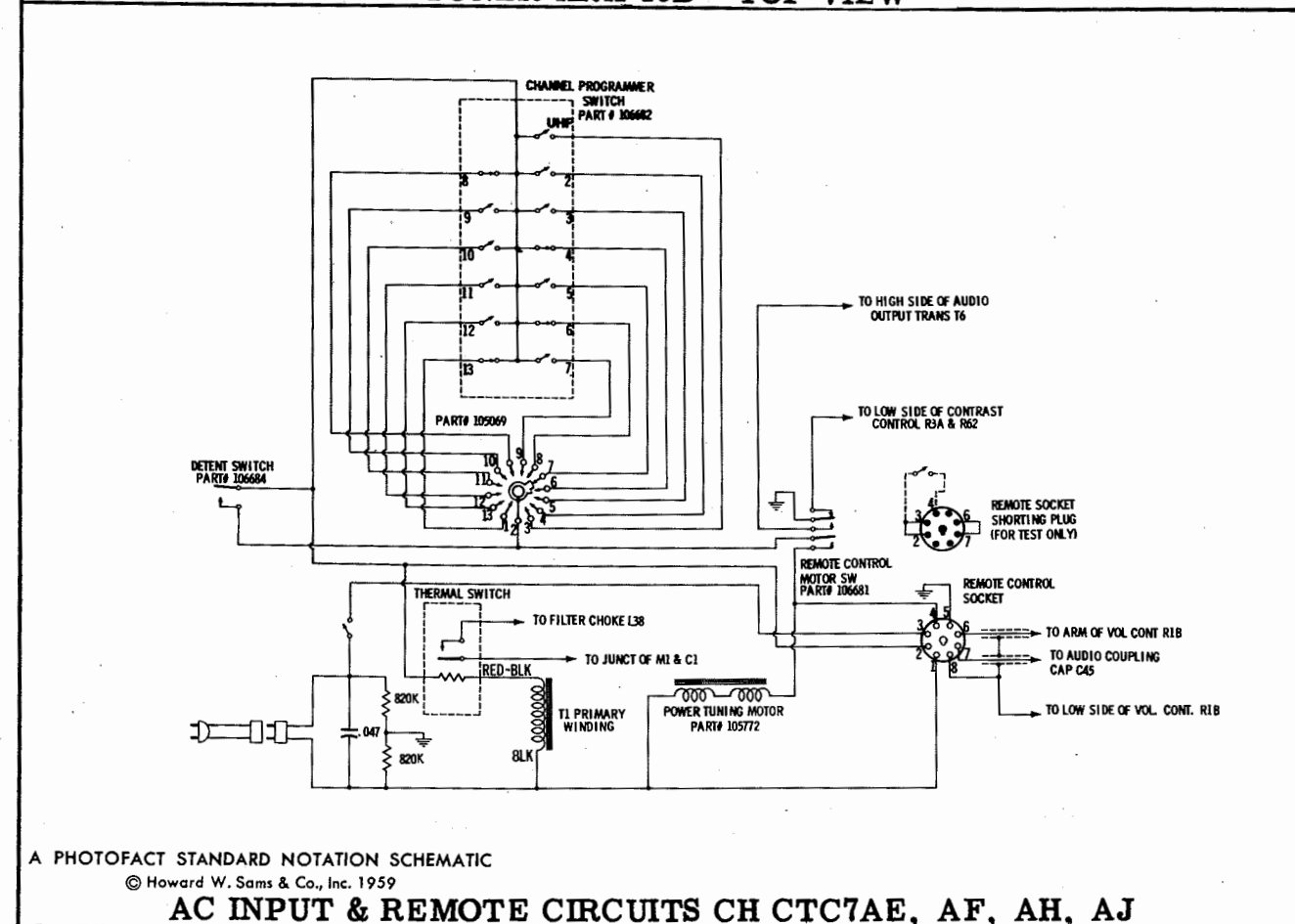


FIG. 1



TUNER KRK 48B - TOP VIEW



A PHOTOFAC STANDARD NOTATION SCHEMATIC

© Howard W. Sams & Co., Inc. 1959

AC INPUT & REMOTE CIRCUITS CH CTC7AE, AF, AH, AJ

SET 433 FOLDER 2

RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

REMOTE CONTROL PARTS LIST AND DESCRIPTIONS

KRK 83B-84A
TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	1st HI Freq. Amp.	6CB6		V6	Noise Rectifier - 2nd Low Freq. Rectifier - 3rd Low Freq. Rectifier	6BN8	
V2	2nd HI Freq. Amp.	6AU6		V7	Sound Relay Control - Channel Relay Control	6CG7	
V3	3rd HI Freq. Amp. - On-Off Relay Control	6CG7		V8	Rectifier	6X4	
V4	Det. - 1st Low Freq. Rect.	6AL5					
V5	1st Low Freq. Amp. - Noise Amp. - Cathode Follower	6AN8					

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C1A	.20	350	106745	AFH3-127-10	C0800	FP227	TMD-35	D-160	TVLS-3635.2*
B	.20	350				TC29	TD-50-25	MT-0250	
C	.50	25							

* Not normally in distributors stock. Available thru distributor on order to manufacturer.

FIXED CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA							NOTES
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
C2	.1	400	106110					5BF-P10	10%	
C3	.1	400	106110					5BF-P10	10%	
C4	.22	200	106354				GEM-2022	2WF-P22	10%	
C5	.047	200	106107					2WF-S47	10%	
C6	.1	400	106110					5BF-P10	10%	
C7	.22	200	106354				GEM-2022	2WF-P22	10%	
C8	.1	400	106110					5BF-P10	10%	
C9	.22	200	106354					2WF-P22	10%	
C10	4700		106547	DI 4700		IR5D47	GEM-2022	2WF-P22	10%	
C11	580		105248	DI 580	MD-561	IR5T56	JL-247	MS-247	10%	
C12	180		102562	DI 180	DD-181	L10T18	JL-356	MS-356	10%	
C13	2200		104899	DI 2200		IR5D22	JL-222	MS-222	10%	
C14	.1	400	106110					5BF-P10	10%	
C15	180		102562	DI 180	DD-161	L10T18	JL-347	MS-347	10%	
C16	470		102230	DI 470	MD-471	5R5T47	JL-215	MS-215	10%	
C17	1500		104890	DI 1500		IR5D15	JL-247	MS-247	10%	
C18	4700		106547	DI 4700		IR5D47	JL-239	MS-239	10%	
C19	.015	200	106548			IR5D39	GEM-2047	2WF-S15	10%	
C20	3900			1469-0039				MS-239	10%	
C21	.47	200	106107					2WF-P47	10%	
C22	.0047	600	106549					6TM-D47S 10%	10%	
C23	2200			DI 2200		IR5D22	JL-222	MS-222	10%	
C24	.47	200					GEM-2047	2WF-P47	10%	
C25	.0022	600	106550					6TM-D22S 10%	10%	
C26	2200			DI 2200		IR5D22	JL-222	MS-222	10%	
C27	.33	200					GEM-2033	2WF-P33	10%	
C28	.015	600	73797					6TM-S15S 10%	10%	

* Not normally in distributors stock. Available through distributor on order to manufacturer.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	RCA Victor PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
RIA	1meg	1/2	106744	AB-70	A47-1meg-Z	Q13-137	U53	Volume
B	Shaft			AK-19	RN-3	TQ	Not Req.	

RESISTORS

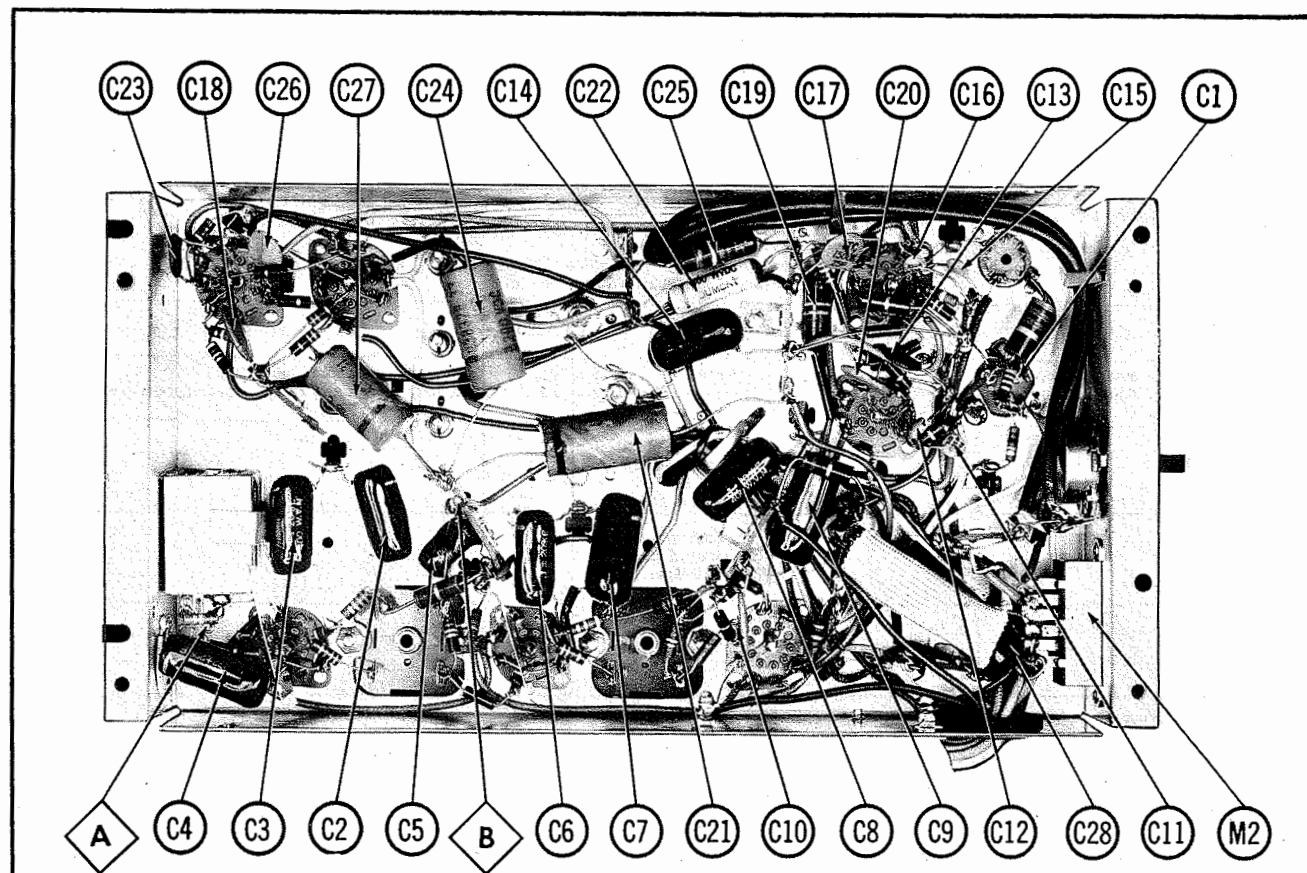
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		RCA Victor PART No.	NOTES	ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R2	56K	5%			R25	1meg	5%		
R3	1000Ω	5%			R26	1meg	5%		
R4	3300Ω	5%			R27	8200Ω	5%	1	
R5	66K	5%			R28	220Ω	5%		Note 1
R6	8200Ω	5%			R29	390Ω	5%		Note 2
R7	180Ω	5%			R30	180K	5%		
R8	1000Ω	5%			R31	470K	5%		
R9	560K	5%			R32	2.2meg	5%		
R10	1meg	5%			R33	1meg	5%		
R11	3300Ω	5%			R34	2.2meg	5%		
R12	47K	5%			R35	2.2meg	5%		
R13	5600Ω	5%			R36	1meg	5%		
R14	1000Ω				R37	3.3meg			
R15	560K	5%			R38	330K	5%		
R16	150K	5%			R39	2.2meg	5%		
R17	27K	5%			R40	1meg	5%		
R18	1000Ω	5%			R41	3.3meg	5%		
R19	47K	5%			R42	10K	5%		
R20	470K	5%			R43	680Ω	5%	2	
R21	100K	5%			R44	18Ω		1	Note 3
R22	1meg	5%			R45	5.1Ω	Hot		
R23	100K	5%			R46	15Ω	5%		
R24	270K	5%						106637	

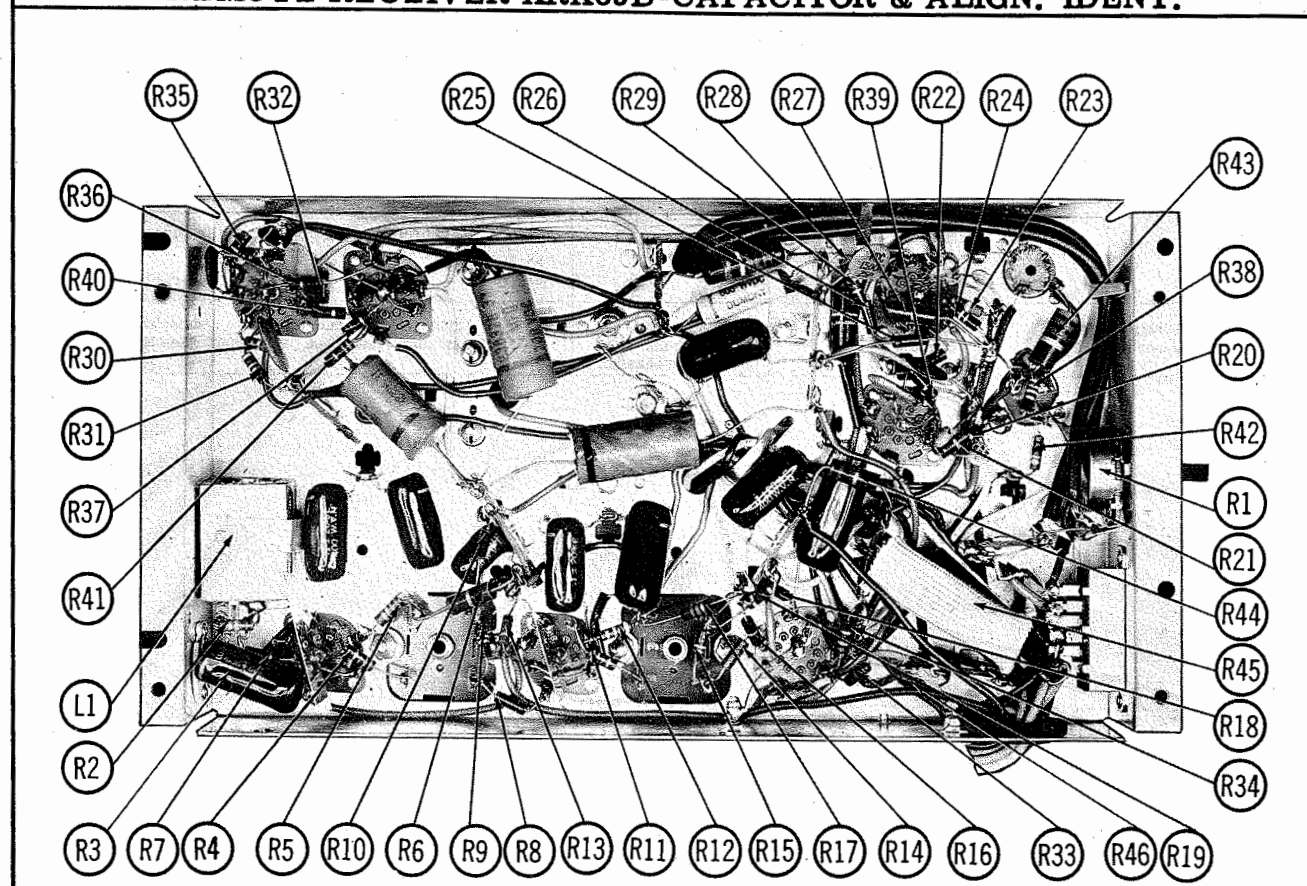
Note 1. Some versions may use 68Ω in this application.

Note 2. Some versions may use 470K in this application.

Note 3. Some versions may use 33Ω 1W in this application.



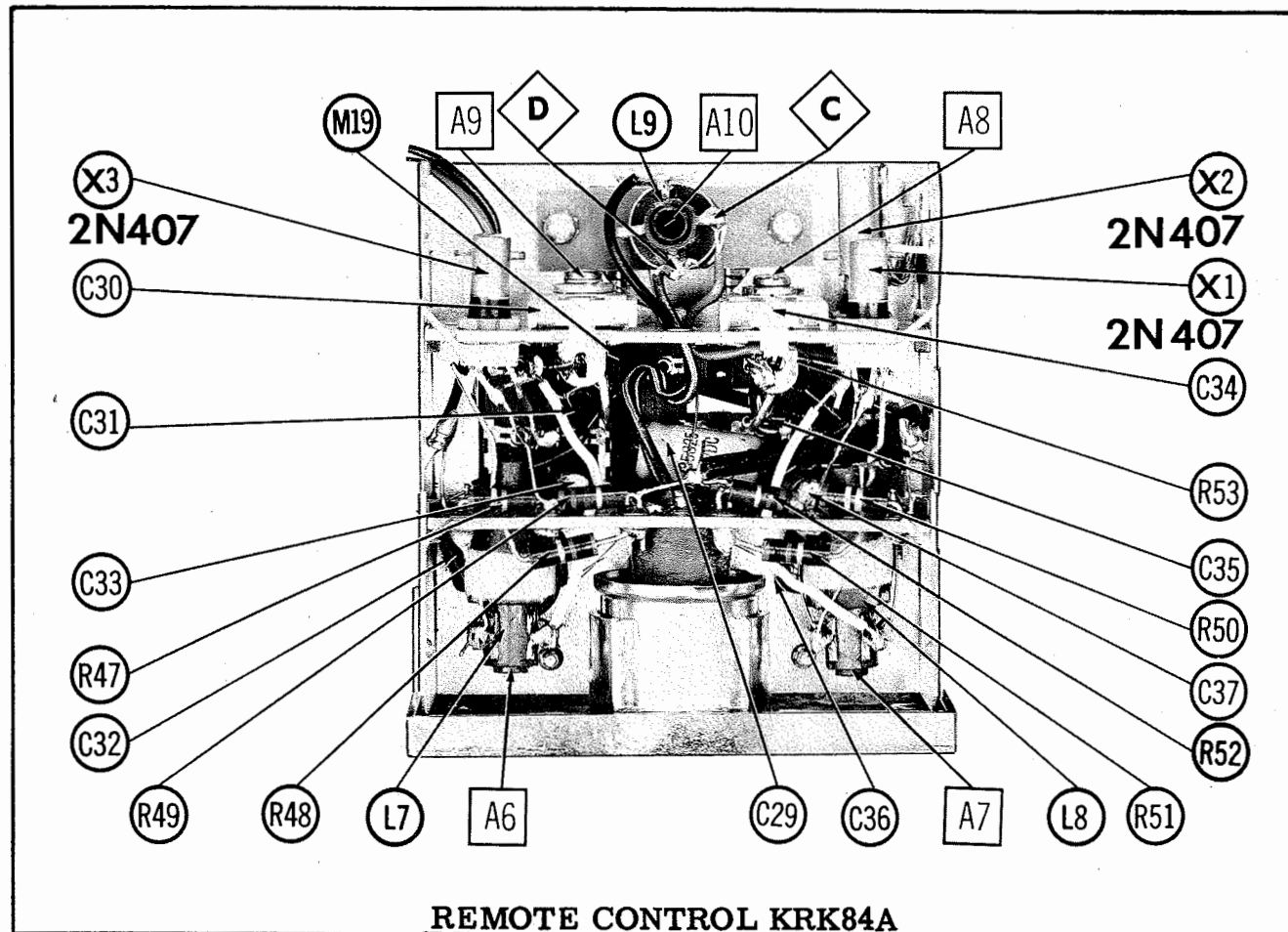
REMOTE RECEIVER KRK83B-CAPACITOR & ALIGN. IDENT.



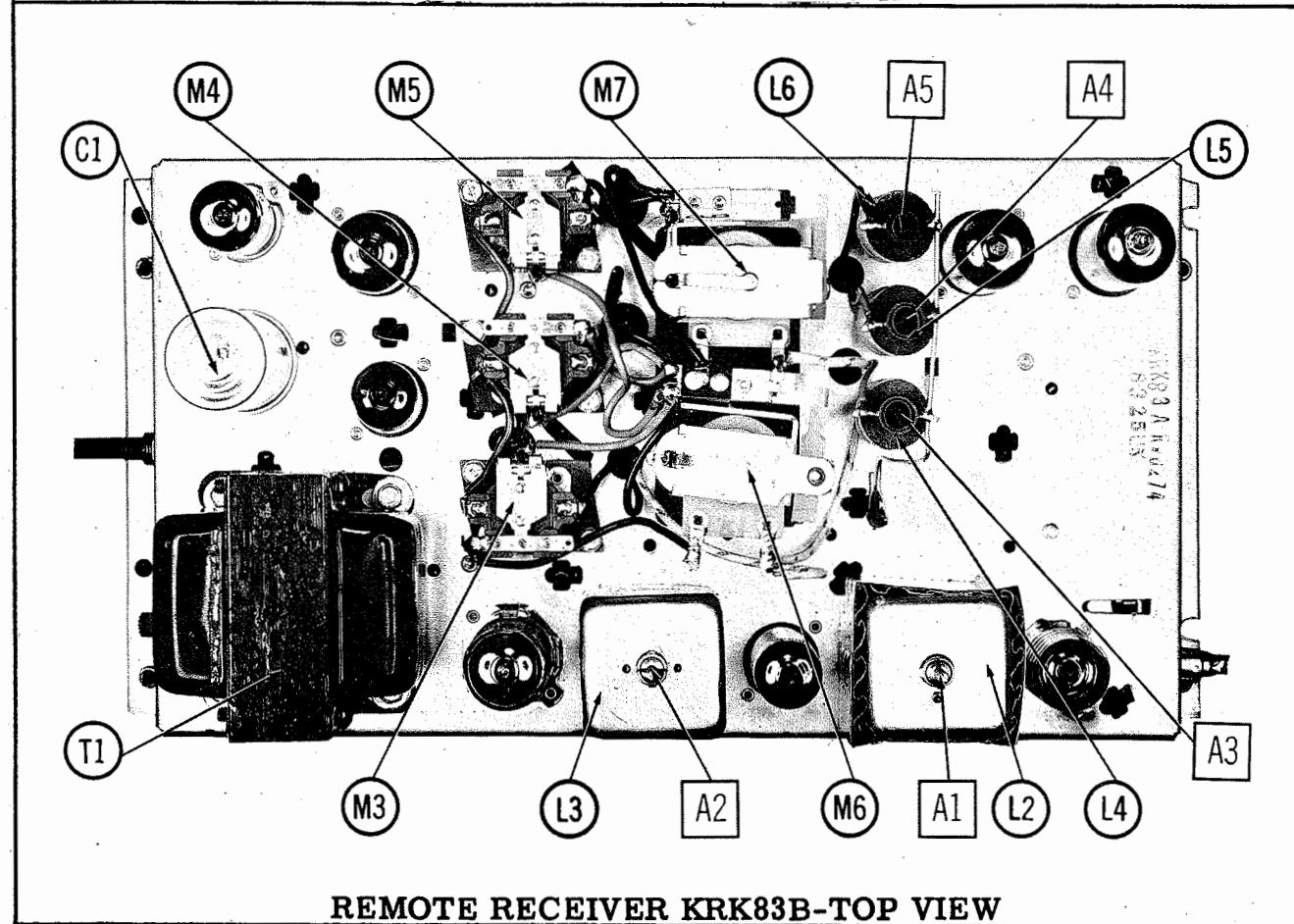
REMOTE RECEIVER KRK83B-RESISTOR IDENT.

RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2



REMOTE CONTROL KRK84A



REMOTE RECEIVER KRK83B-TOP VIEW

REMOTE CONTROL PARTS LIST & DESCRIPTION (cont)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L1	RF Choke	106842					
L2	1st HI Freq. Trans.	106715					
L3	2nd HI Freq. Trans.	106716					
L4	1st Low Freq. Rect.	106717					
L5	2nd Low Freq. Rect.	106717					
L6	3rd Low Freq. Rect.	106717					

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES		
	PRI.	SEC. 1	SEC. 2	RCA Victor PART No.	Halladorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.		Thardarson PART No.	Triad PART No.
T1	117V @.47A	280VCT @.025A	6.3V @4A	106481							

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M1	Lamp		#47
M2	Switch	106478	Remote, On-Off (DPDT, Slide Type)
M3	Relay	106483	On-Off
M4	Relay	106483	Channel Selector
M5	Relay	106483	Sound
M6	Relay	106480	Latching (On-Off)
M7	Relay	106855	Latching (Sound)

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			CBS PART No.	RCA PART No.	RAYTHEON PART No.	SYLVANIA PART No.	
X1	2N407	Osc. #1		2N407	2N362	2N407	PNP
X2	2N407	Osc. #2		2N407	2N362	2N407	PNP
X3	2N407	Amplifier		2N407	2N362	2N407	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C29	20	15	106735	XPP-12050	NL20-15	TT15X20	ML20-15	MMT-0220	TE-1157

FIXED CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
C30	5-70		71496						
C31	39		106733	1469-000039	TCZ-39	22R5Q39		MS-439	10%
C32	820		106734	1464-00082		1R5T82		MS-382	
C33	.01	100	106736	P285N-01	D6-103	LT6SL		2WF-S10	
C34	5-70		71496						
C35	82		106291	1469-00082	DTZ-82	22R5Q82		MS-462	10%
C36	820		106734	1464-00082		1R5T82		MS-382	
C37	.01	100	106736	P285N-01	D6-103	LT6SL		2WF-S10	

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		RCA Victor PART No.	NOTES	ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R47	150K	5%			R51	100Ω	5%		
R48	100Ω	5%			R52	6800Ω	5%		
R49	6800Ω	5%			R53	10Ω	5%		
R50	150K	5%							

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L7	41.75KC Osc. Coil	106731					Pri. Tapped @ .5Ω, 3.7Ω
L8	40.5KC Osc. Coil	106731					Pri. Tapped @ .5Ω, 3.7Ω
L9	Transmitter Output Trans.	106732					Tapped @ 2Ω

BATTERIES

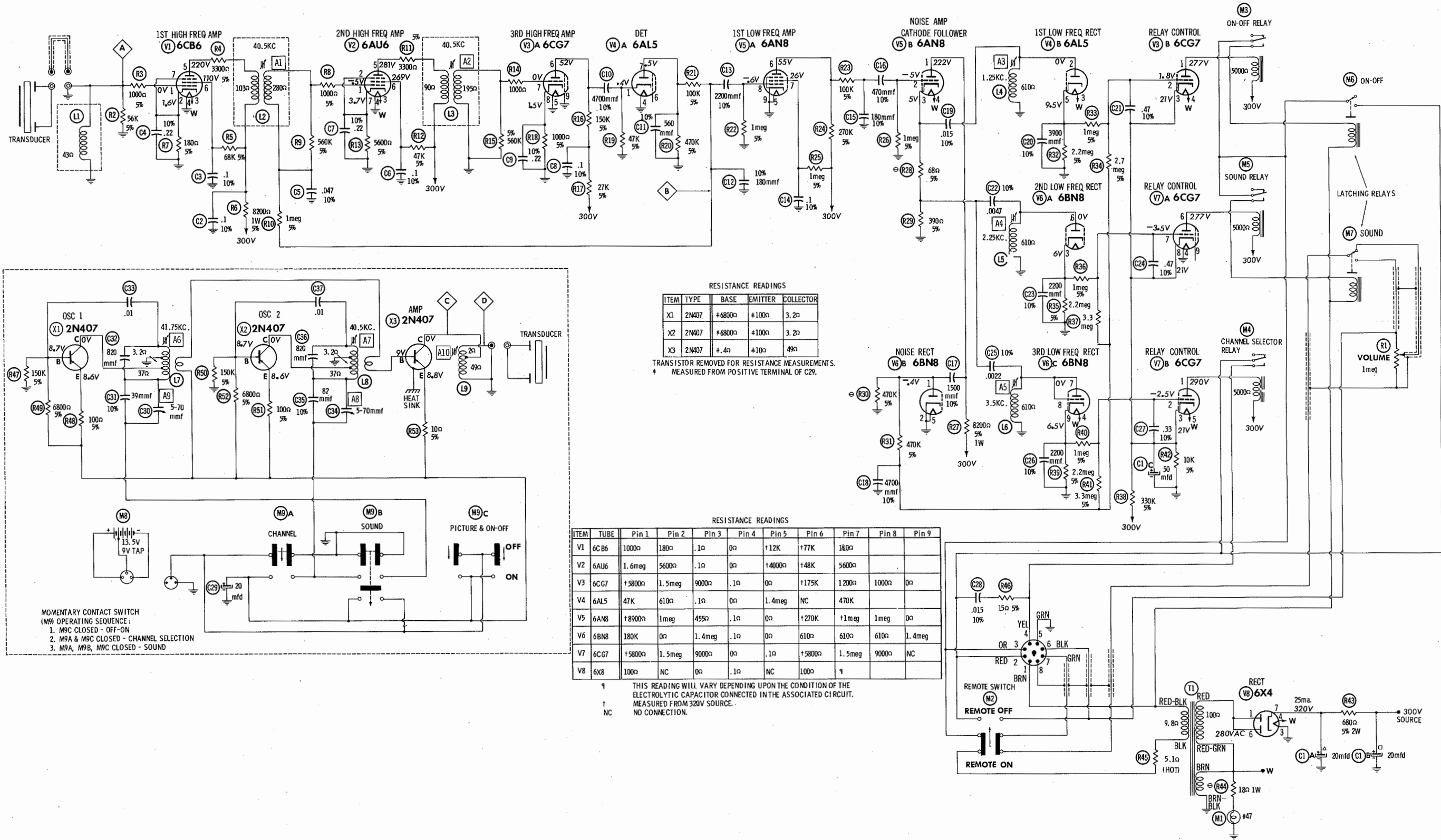
ITEM No.	VOLTAGE	RCA Victor PART No.	REPLACEMENT DATA				NOTES		
			BURGESS		EVEREADY			MALLORY	
			"A"	"B"	"A"	"B"		"A"	"B"
M8	13.5V *	YS-304	XX9		239		M-1900	* 9 volt tap used	

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M9	Switch	106730	Picture & On-Off, Sound, Channel (3 Section push type momentary contact)

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2



RESISTANCE READINGS

ITEM	TYPE	BASE	EMITTER	COLLECTOR
X1	2N407	+6800Ω	+100Ω	3.2Ω
X2	2N407	+6800Ω	+100Ω	3.2Ω
X3	2N407	+4Ω	+10Ω	49Ω

TRANSISTOR REMOVED FOR RESISTANCE MEASUREMENTS.
 † MEASURED FROM POSITIVE TERMINAL OF C29.

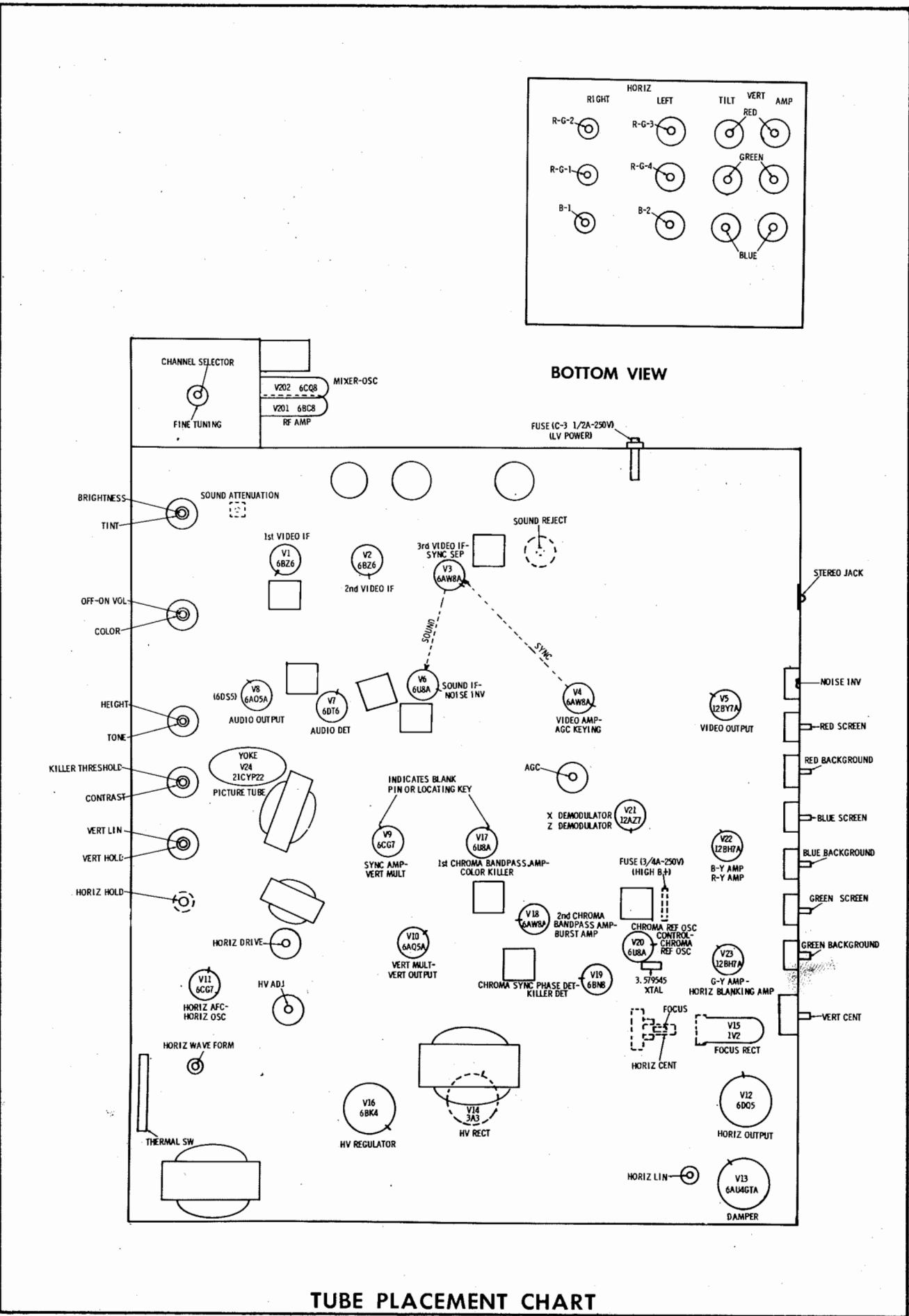
RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6CB6	1000Ω	180Ω	.1Ω	0Ω	+12K	+77K	180Ω		
V2	6AU6	1.6meg	5600Ω	.1Ω	0Ω	+4000Ω	+48K	5600Ω		
V3	6CG7	+5800Ω	1.5meg	9000Ω	.1Ω	0Ω	+175K	1200Ω	1000Ω	0Ω
V4	6AL5	47K	610Ω	.1Ω	0Ω	1.4meg	NC	470K		
V5	6AN8	+8900Ω	1meg	455Ω	.1Ω	0Ω	+270K	+1meg	1meg	0Ω
V6	6BN8	180K	0Ω	1.4meg	.1Ω	0Ω	610Ω	610Ω	610Ω	1.4meg
V7	6CG7	+5800Ω	1.5meg	9000Ω	0Ω	.1Ω	+5800Ω	1.5meg	9000Ω	NC
V8	6X4	100Ω	0Ω	.1Ω	NC	100Ω				

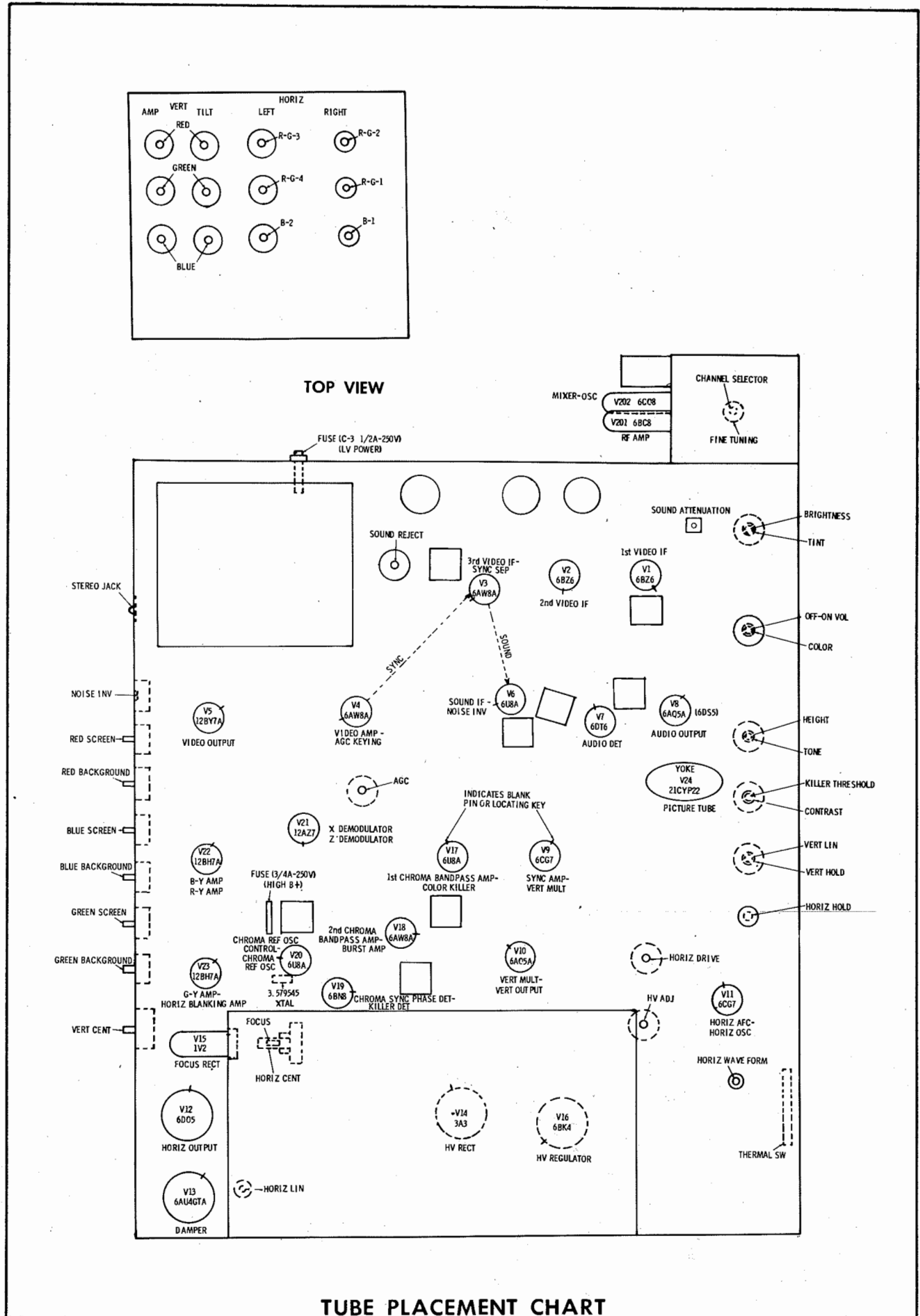
1 THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT.
 † MEASURED FROM 320V SOURCE.
 NC NO CONNECTION.

MOMENTARY CONTACT SWITCH (M9) OPERATING SEQUENCE:
 1. M9C CLOSED - OFF-ON
 2. M9A & M9C CLOSED - CHANNEL SELECTION
 3. M9A, M9B, M9C CLOSED - SOUND

RCA VICTOR CHASSIS CT77A, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A



TUBE PLACEMENT CHART



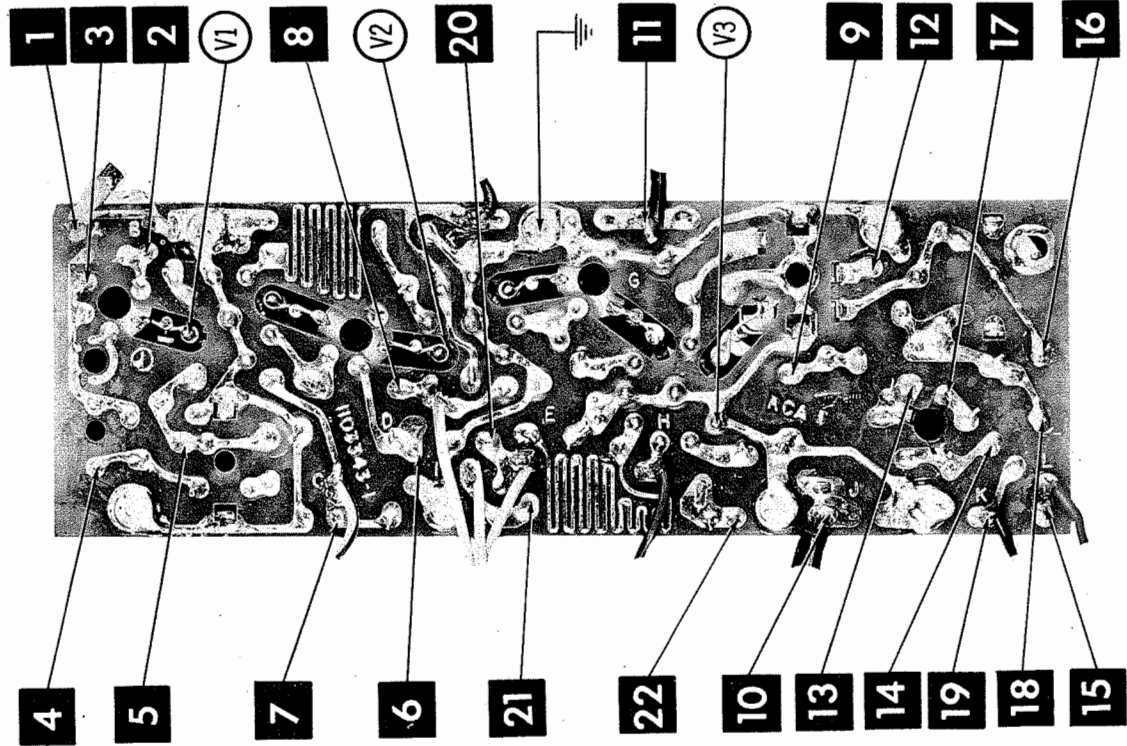
TUBE PLACEMENT CHART

SET 433 FOLDER 2

RCA VICTOR CHASSIS CT7A, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

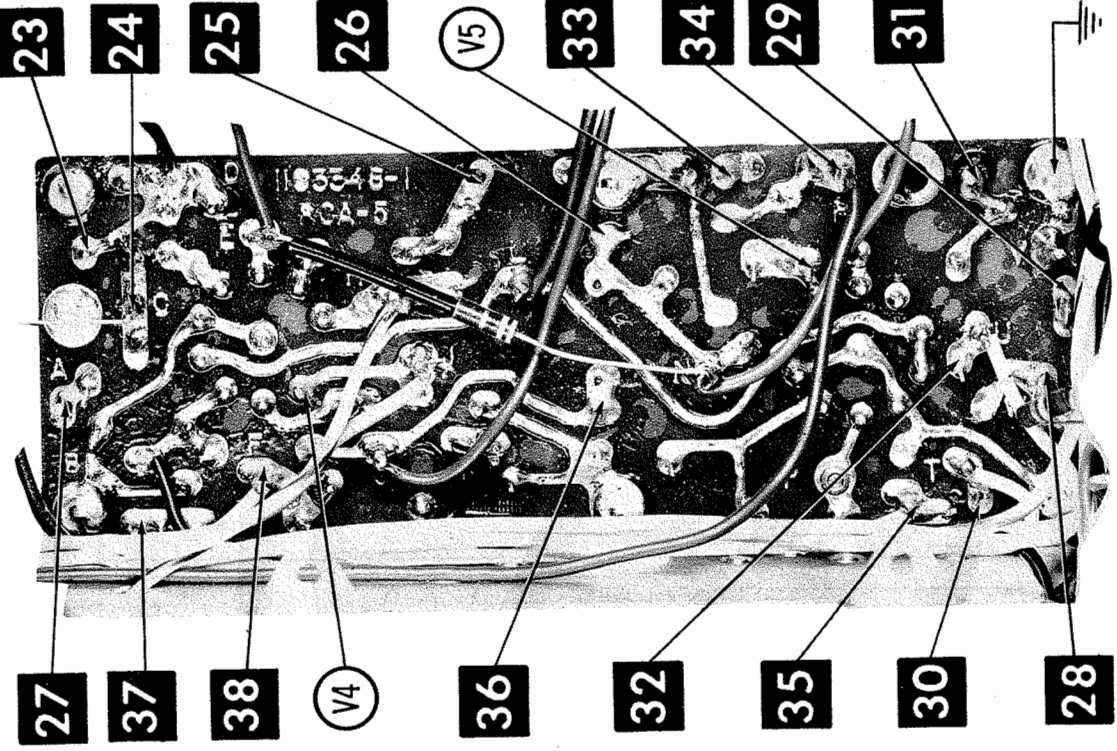
CircuitTrace Numbers 1 thru 22



VIDEO IF
PRINTED BOARD

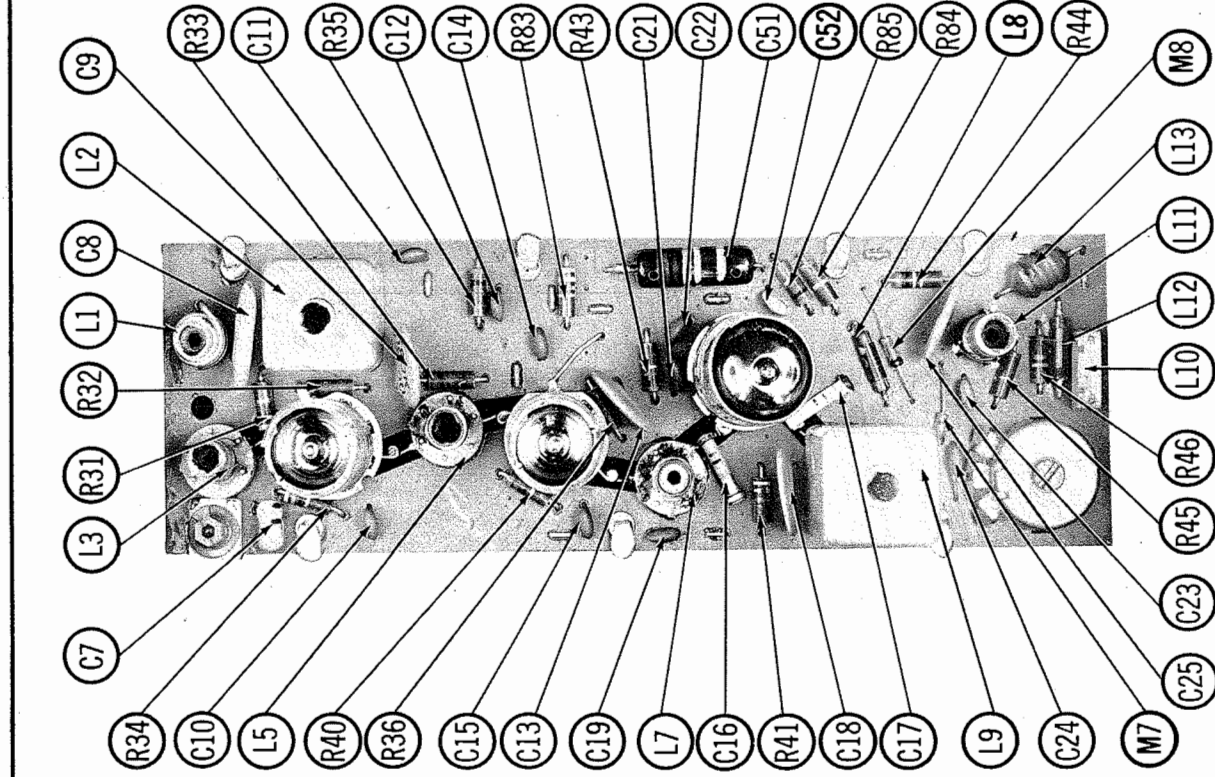
A Howard W. Sams CIRCUITRACE[®] Photo

CircuitTrace Numbers 23 thru 38



VIDEO & AGC
PRINTED BOARD

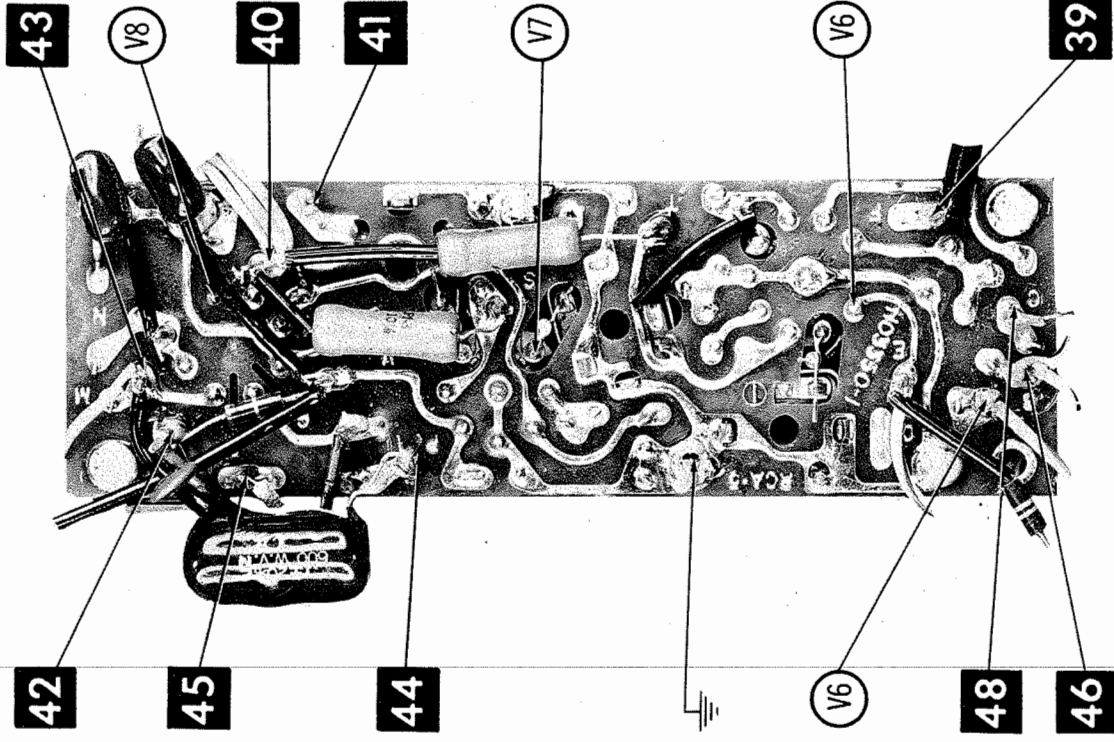
ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



VIDEO IF PRINTED BOARD

A Howard W. Sams CIRCUITRACE[®] Photo

CircuitTrace Numbers 39 thru 48

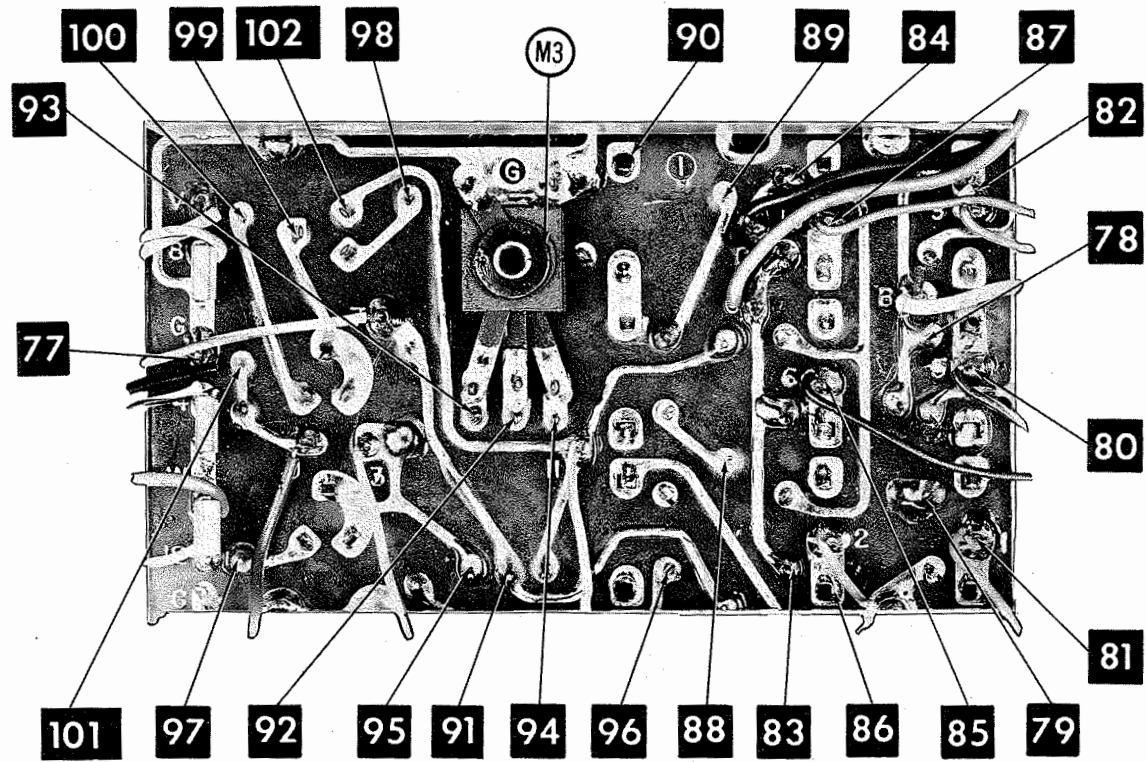


NOISE INV, SOUND
PRINTED BOARD

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH,
AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

CircuiTrace Numbers 77 thru 102

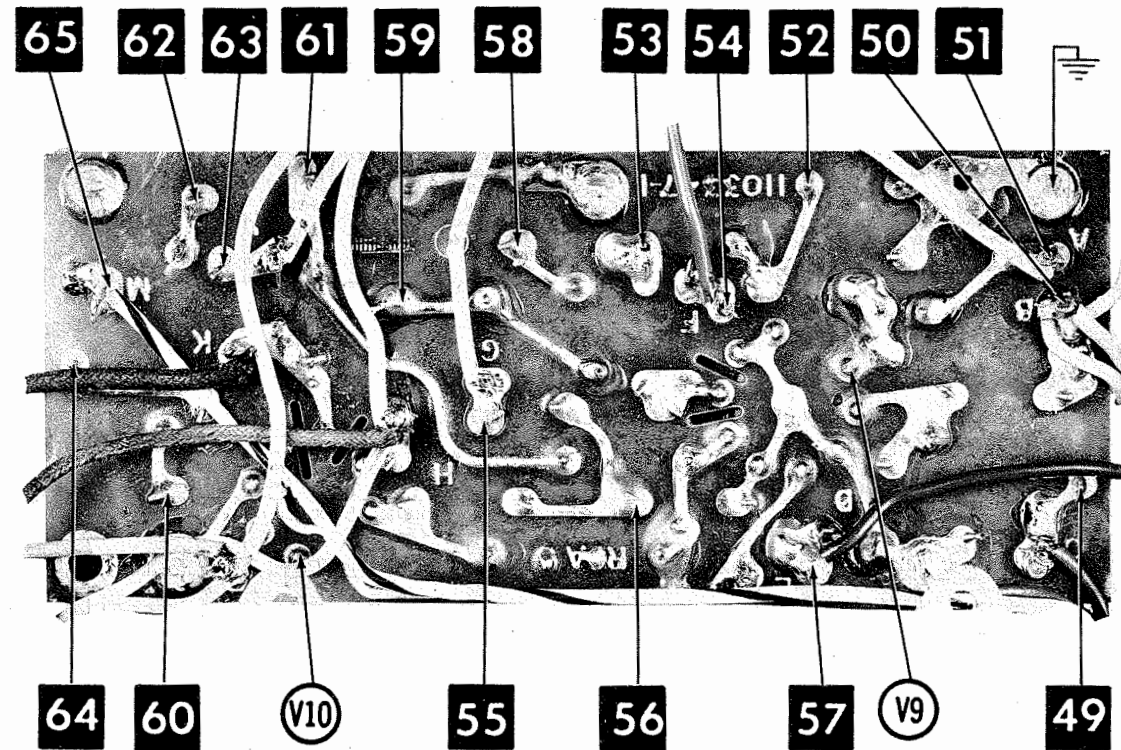


A Howard W. Sams **CIRCUITRACE** Photo

**CONVERGENCE
PRINTED BOARD**

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

CircuiTrace Numbers 49 thru 65

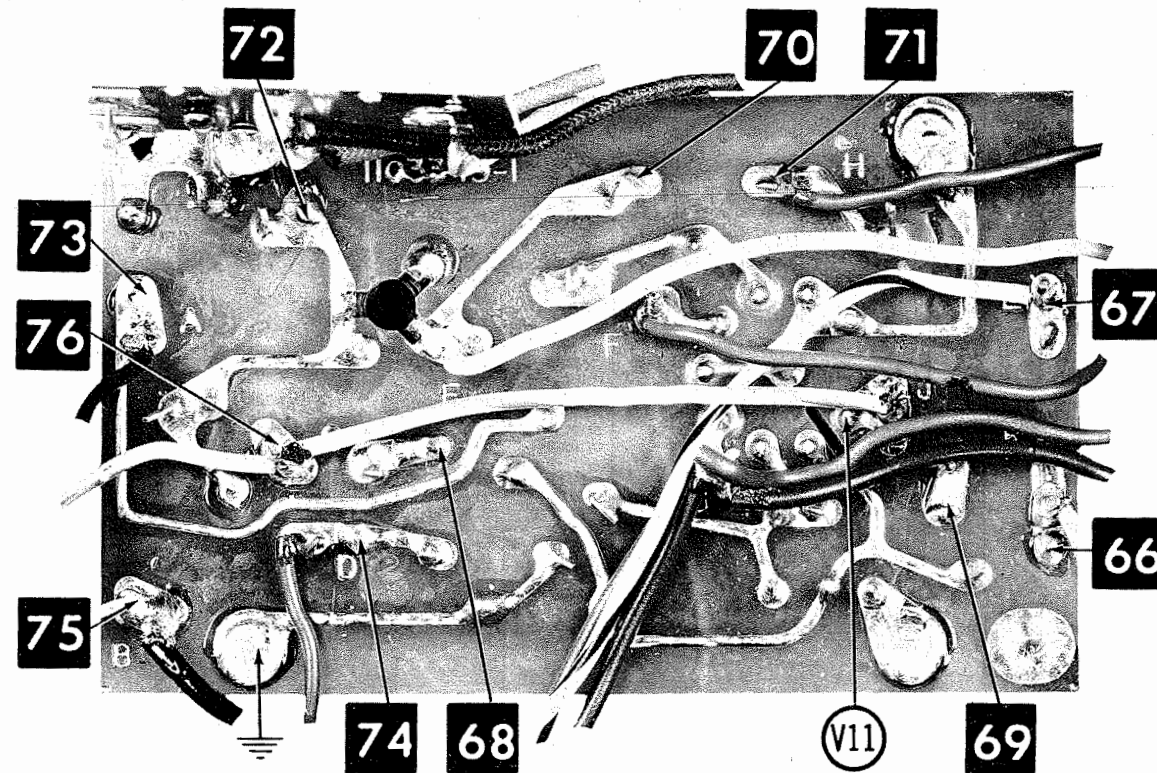


A Howard W. Sams **CIRCUITRACE** Photo

**SYNC & VERT
PRINTED BOARD**

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

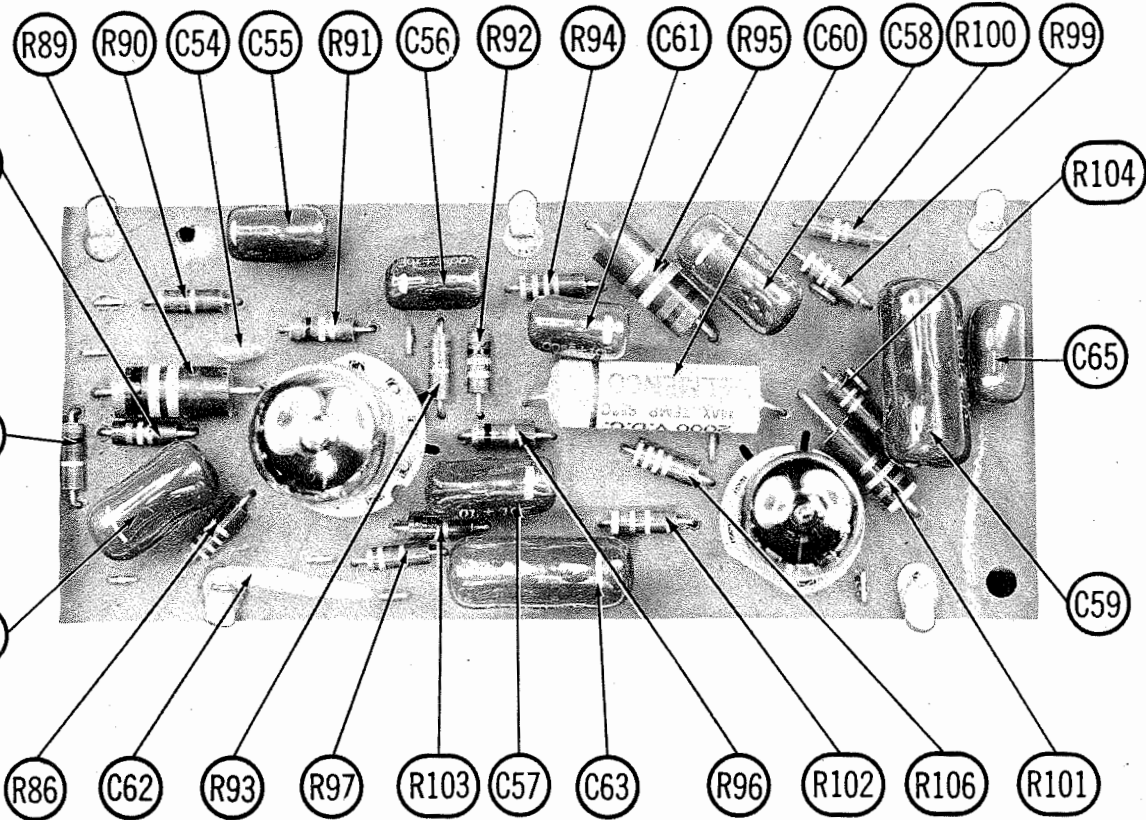
CircuiTrace Numbers 66 thru 76



A Howard W. Sams **CIRCUITRACE** Photo

HORIZ PRINTED BOARD

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



VERT & SYNC PRINTED BOARD

RCA VICTOR CHASSIS CTC7AA, AB, AC, AD, AE, AF, AH,
AJ, AK, AL, AM, AN, CRK1A, CTP6A, KKK83B, KKK84A

FOLDER 2

REMOTE CONTROL PARTS LIST AND DESCRIPTIONS

CTP6A

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	1st 40KC Amp.	6CB6	
V2	2nd 40KC Amp.	6AU6	
V3	3rd 40KC Amp. -Motor Reverse Det.	6AW8A	
V4	Tint Relay Control-Motor Reverse Relay Control	5965	
V5	Color Relay Control-Brightness Relay Control	5965	

ITEM No.	USE	TYPE	NOTES
V6	Vol. Relay Control-Fine Tuning Relay Control	5965	
V7	Channel Relay Control-Off-On Relay Control	5965	
V8	Motor Reverse Amp. - AGC Det. -AGC Clamper	6AV6	
V9	Rectifier	6X4	

ELECTROLYTIC CAPACITORS

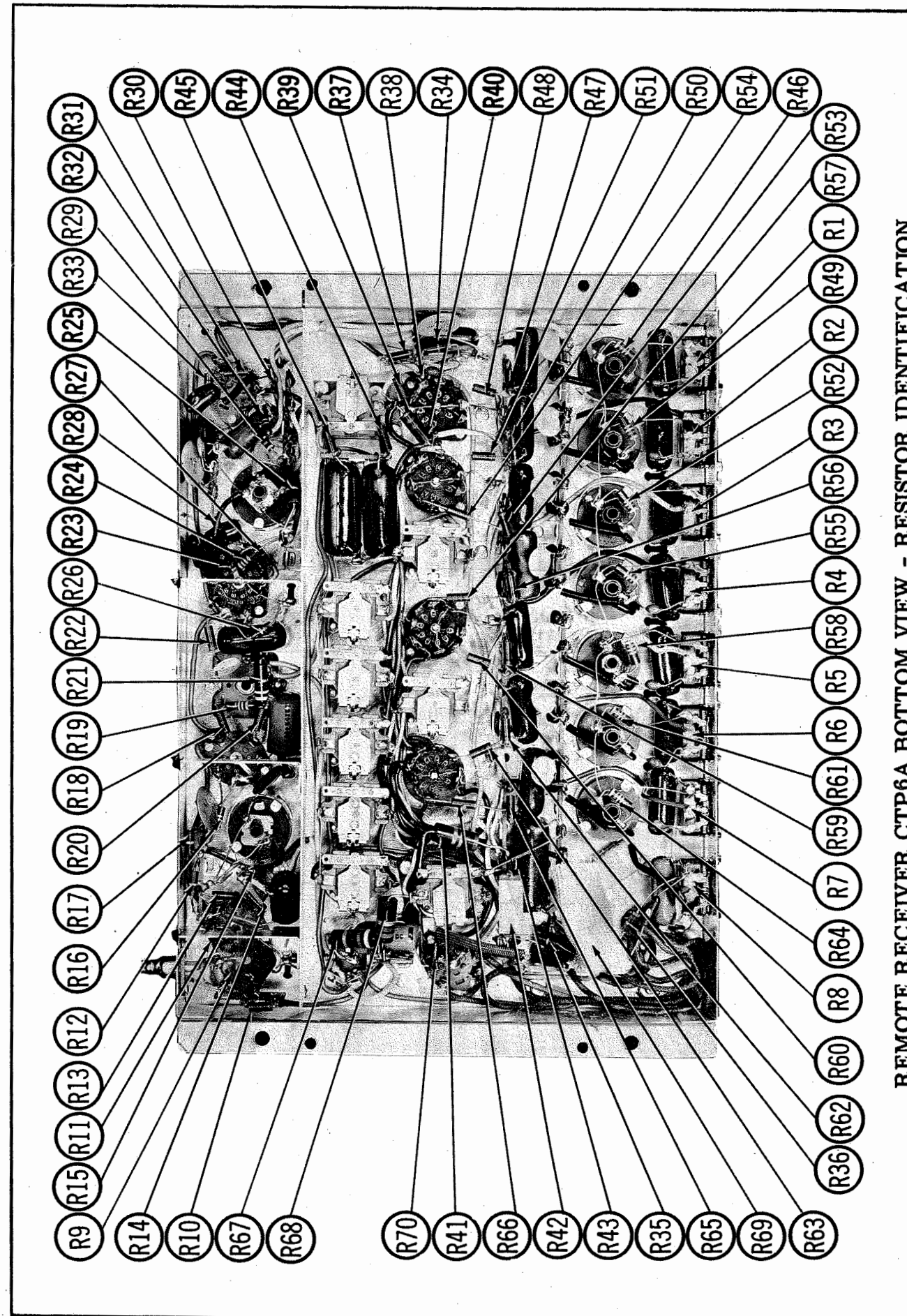
ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	RCA Victor Part No.	AEROVOX Part No.	CORNELL-DUBILIER Part No.	MALLORY Part No.	PYRAMID Part No.	SANGAMO Part No.	SPRAGUE Part No.
CLA	20	300	106833	AFH3-28	C0220	FP319.8	TMT-28	T-100	
B	20	300							
C	20	300							
C2	5	150	106839	SRE150V5	BBR4-150	TT150X5	TD-4-150	MMT-1505	TVA-1403

FIXED CAPACITORS

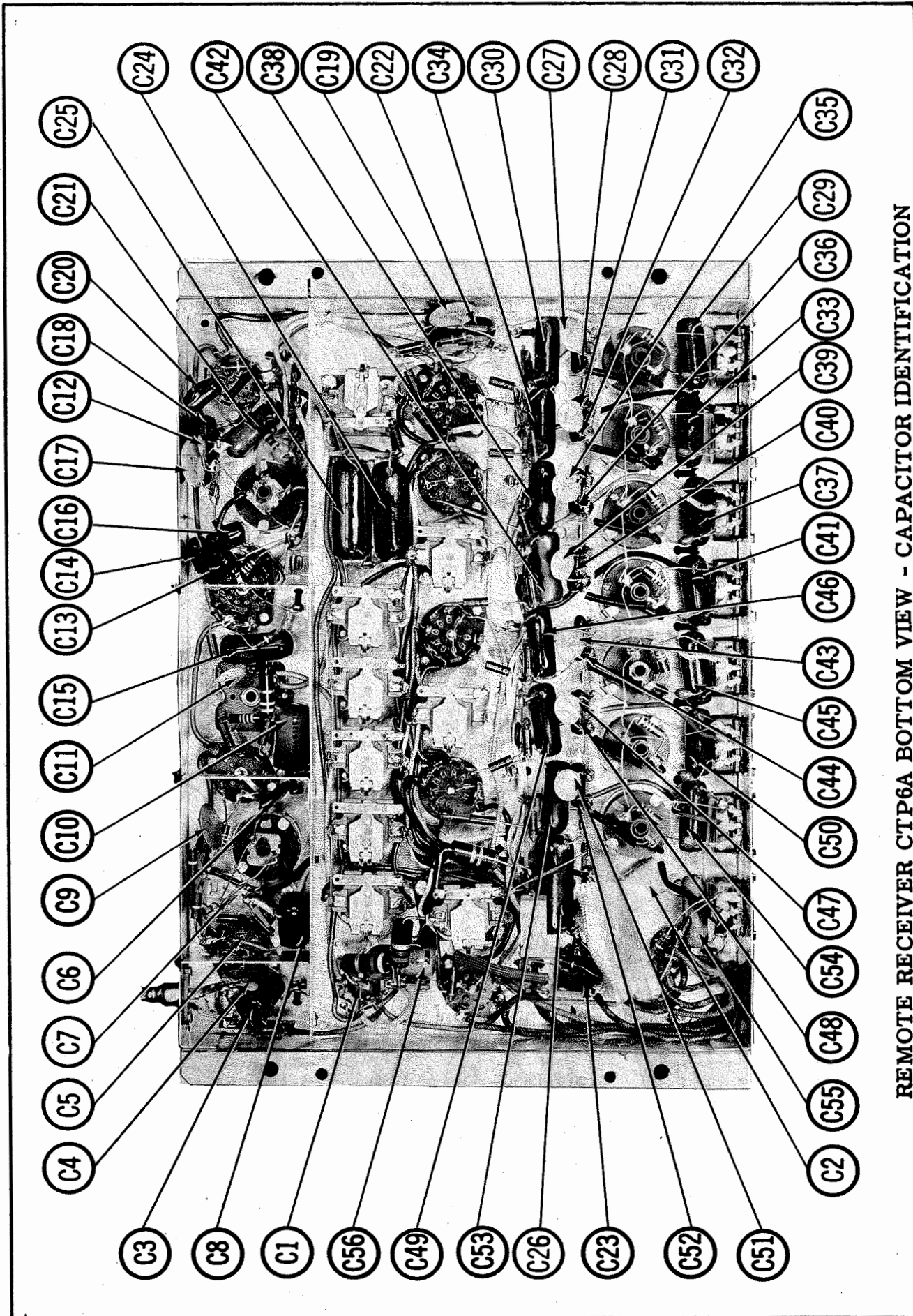
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	RCA Victor Part No.	AEROVOX Part No.	CENTRALAB Part No.	CORNELL-DUBILIER Part No.	MALLORY Part No.	SPRAGUE Part No.	
C3	.1	400	106110	P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	
C4	470		104390	BPD-00047	DD-471	BYA10T47	B-347	5GA-T47	
C5	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-S1	
C6	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-S1	
C7	150		106840		DTN-150		CNT-315	5TCU-T15S 5% *	N750 5%
C8	.1	400	106110	P488N-1	DD-103	CUB4P1	GEM-401	4TM-P1	
C9	10000			BPD-01	DD-103	BYA10S1	B-110	5HK-S1	
C10	.1	400	106110	P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	
C11	100		105674	P488N-1	DTN-100	C10T1U	CNT-310	5TCU-T1S 10% *	N750 10%
C12	68		104224	N750-DI 100	D6-680	CTA6Q68C	CNO-468	5TCC-Q68S 10% *	10%
C13	.1	400	106185	P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	
C14	.1	400	106185	P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	
C15	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C16	.1	400	106185	P488N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C17	5600		104495	BPD-0056	DD-562		B-256	4TM-P1S 10% *	10%
C18	.1	200	106374	P288N-1		CUB2P1	GEM-201	5HK-D56S *	
C19	5600		104495	BPD-0056	DD-562		B-256	2TM-P1	
C20	.01	400	106185	P488N-1	D6-103		GEM-1611	5HK-D66S *	
C21	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	4TM-S1S 10% *	
C22	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C23	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C24	.22	400	106375	P488N-22		CUB4P22	GEM-4022	4TM-P22	
C25	.22	400	106375	P488N-22		CUB4P22	GEM-4022	4TM-P22	
C26	.22	400	106375	P488N-22		CUB4P22	GEM-4022	4TM-P22	
C27	220								
C28	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C29	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C30	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C31	220								
C32	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C33	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C34	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C35	220								
C36	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C37	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C38	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C39	220								
C40	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C41	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C42	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C43	220								
C44	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C45	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C46	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C47	220								
C48	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C49	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C50	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C51	220								
C52	2200		106838	1464-0022		1R5D22		MS-322	N1500 5% ①
C53	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	5%
C54	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C55	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	
C56	.1	400	106110	P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	

* Not normally in distributors stock. Available thru distributor on order to manufacturer.
① Some versions may use 330mmf 5% N3300 in this application (Part #106837).



RCA VICTOR CHASSIS C1C7A, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A
REMOTE IDENTIFICATION - RESISTOR IDENTIFICATION



REMOTE RECEIVER CTP6A BOTTOM VIEW - CAPACITOR IDENTIFICATION

REMOTE CONTROL PARTS LIST AND DESCRIPTIONS (Continued)

CTP6A CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	RCA Victor PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
R1A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Tint
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R2A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Color
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R3A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Brightness
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R4A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Volume
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R5A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Fine Tuning
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R6A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Channel
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R7A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	On-Off
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	
R8A	1meg	1/2	105211	BX-69	B47-1meg-S	B11-137	TA16L	Noise
B	Shaft			Not Req.	Not Req.	TM-1	Not Req.	

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		RCA Victor PART No.	NOTES	ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R9	1meg				R40	2200Ω	1		
R10	1meg				R41	15K	2		
R11	1meg				R42	4.7Ω	4		
R12	150K				R43	22Ω			
R13	150Ω				R44	22Ω			
R14	150Ω				R45	22Ω			
R15	1000Ω				R46	470K			
R16	330K				R47	1meg			
R17	150K				R48	1meg			
R18	150Ω				R49	470K			
R19	330K				R50	1meg			
R20	150Ω				R51	1meg			
R21	3900Ω	1			R52	470K			
R22	1000Ω				R53	1meg			
R23	82K				R54	1meg			
R24	47K				R55	470K			
R25	10K	1			R56	1meg			
R26	100Ω				R57	1meg			
R27	150K				R58	470K			
R28	1.5meg			Note 1	R59	1meg			
R29	1meg				R60	1meg			
R30	3.3meg				R61	470K			
R31	150K				R62	1meg			
R32	22meg 5%				R63	1meg			
R33	47K				R64	470K			
R34	10meg				R65	1meg			
R35	1meg				R66	1meg			
R36	1.2meg				R67	4700Ω	2		
R37	1meg				R68	560Ω	2		
R38	3.3meg				R69	500Ω Cold		100118	
R39	1meg				R70	15Ω			

Note 1. Some versions may use 1.2meg in this application.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA-Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Rom PART No.	
L1	1st 40KC Amp. Coil	106853					
L2	2nd 40KC Amp. Trans.	106836					
L3	40KC Output Trans.	106854					
L4	35.75KC Coil	106846					
L5	37.0KC Coil	106847					
L6	38.25KC Coil	106848					
L7	39.5KC Coil	106849					
L8	40.75KC Coil	106850					
L9	42.0KC Coil	106851					
L10	43.25KC Coil	106852					

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA						
	PRI.	SEC. 1	SEC. 2	RCA-Victor PART No.	Hollidorsen PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordorsen PART No.	Triad PART No.
T1	117V @ .4A	400 VCT @ .030A	45V @ .00067A Tap @ 6.3V @ .4A	106832						

RECTIFIERS

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	CURRENT (Measured)		RCA-Victor PART No.	FEDERAL PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	
M1	.00067A		106951			2S1	①	① Selenium Type
M2			106952					
M3			106952					
M4			106952					
M5			106952					
M6			106952					
M7			106952					
M8			106952					
M9			106952					

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

REMOTE CONTROL PARTS LIST AND DESCRIPTIONS (Continued)

CTP6A FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			RCA - Victor PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M10		1 1/2"	Length of #28 Copper Wire.					

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M11	Lamp		#47
M12	Relay	106834	SPDT, Motor Reverse
M13	Relay	106835	SPDT, Tint
M14	Relay	106835	SPDT, Color
M15	Relay	106835	SPDT, Brightness
M16	Relay	106835	SPDT, Volume
M17	Relay	106835	SPDT, Fine Tuning
M18	Relay	106835	SPDT, Channel
M19	Relay	106835	SPDT, Off-On
M20	Relay	106834	SPDT, Motor Forward
	Microphone	106586	Transducer Models 2IRC8975, 7, & U, 2IRC8985, 7, & U
	Microphone	106862	Transducer Models 2IRC8995, 6, & U

CRK1A

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			CBS PART No.	RCA PART No.	RAYTHEON PART No.	SYLVANIA PART No.	
XI	2N408	Oscillator		2N408		2N408	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C51	40	3	106947	PWE3040	NL40-3	TT3X40	ML40-6		TE-1057

FIXED CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
C58	13-100								
C59	13-100		106932						N750
C80	8-50								
C81	13-100								N750
C82	8-50		106931						N750
C83	8-50								
C84	430		106944					MS-343	5%
C85	360		106938	1469-00036		5R5T43		MS-336	5%
C86	270		106939	1469-00027		5R5T36		MS-327	5%
C87	200		106940	1469-00020		5R5T27	MCE237	MS-32	5%
C88	120		106941	1469-00012		22R5T2		MS-312	5%
C89	62		106942	1469-00068		22R5T12		MS-462	10%
C70	39		106733	1469-00039		22R5Q62		MS-439	10%
C71	.047	50	106946			22R5Q39		2WF-947	10%
C72	.047	50	106946					2WF-947	10%
C73	430		106944			5R5T43		MS-343	5%
C74	330		106945					5GA-T338 5%*	5%
C75	470		76922	1464-00047		5R5T47		MS-347	10%
C76	470		106943	1464-00047		5R5T47		MS-347	5%
C77	220		96518	1469-00022		22R5T22		MS-322	10%

* Not normally in distributors stock. Available thru distributor on order to manufacturer.

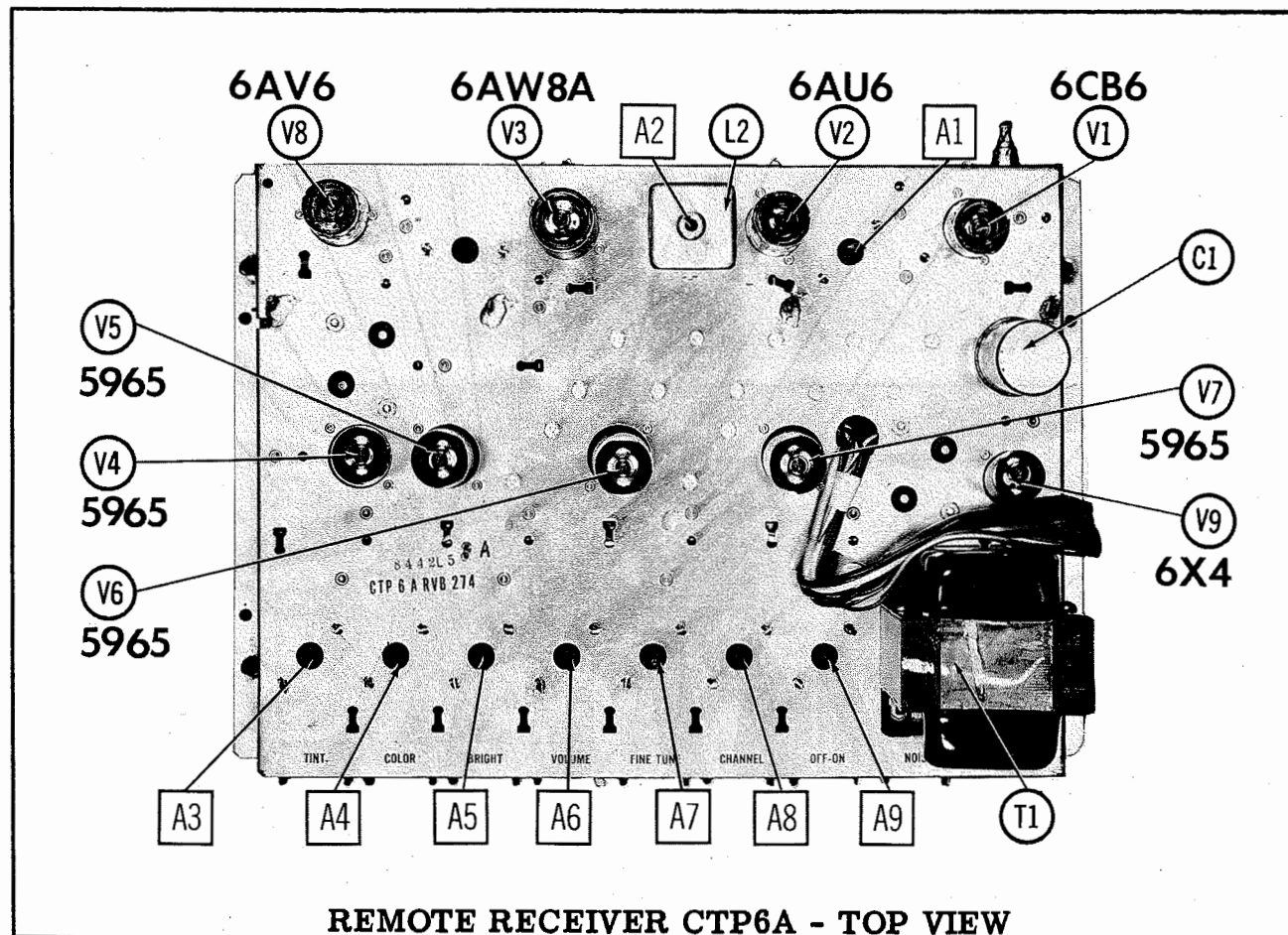
RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

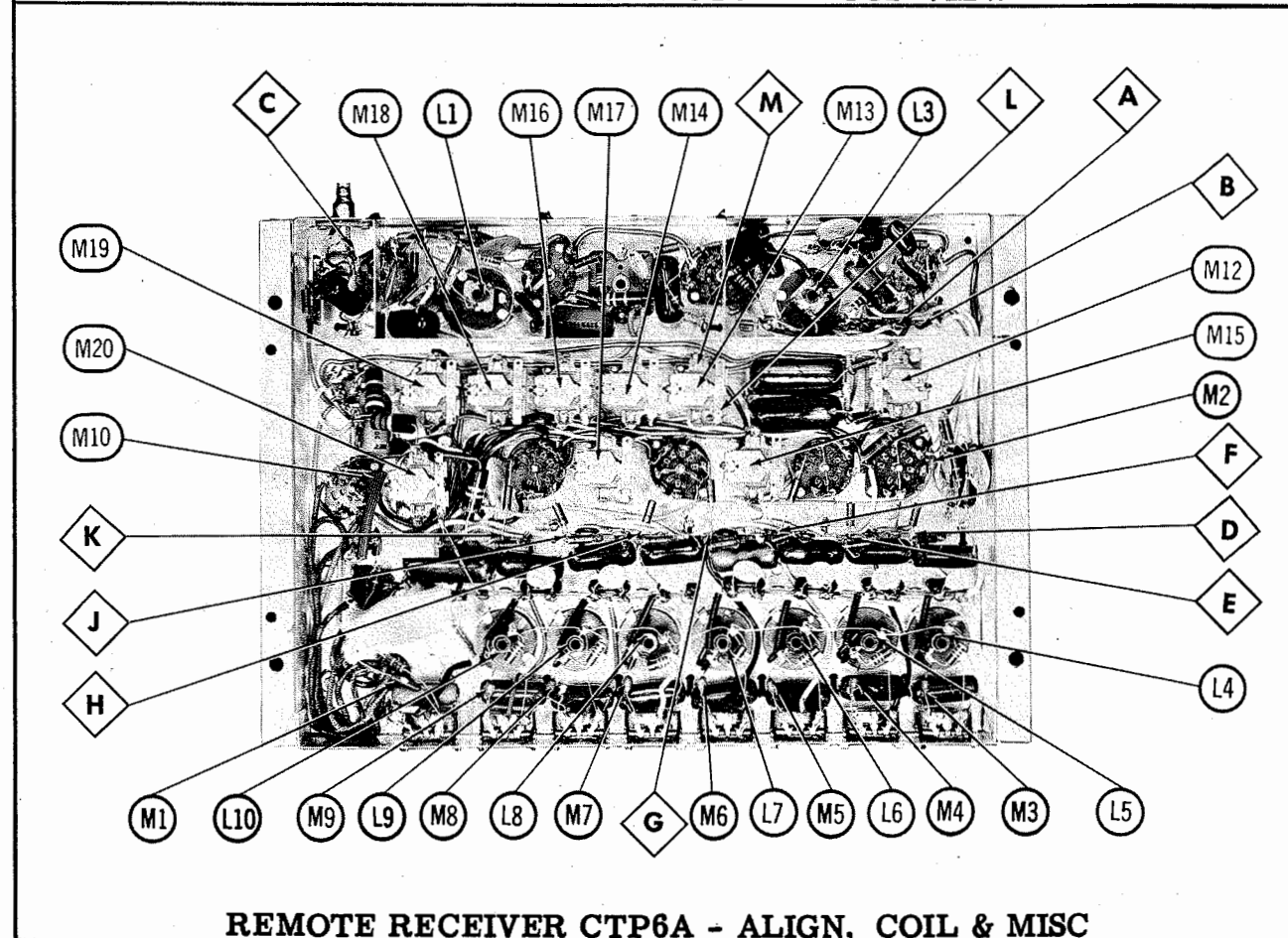
ITEM No.	RATING		RCA Victor PART No.	NOTES	ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R71	2200Ω	5%			R74	270Ω	5%		
R72	750Ω	5%			R75	10meg			
R73	390Ω	5%							

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA-Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Rom PART No.	
L11	Osc. Coil	106948					Tapped @ .1Ω & .3Ω



REMOTE RECEIVER CTP6A - TOP VIEW



REMOTE RECEIVER CTP6A - ALIGN, COIL & MISC

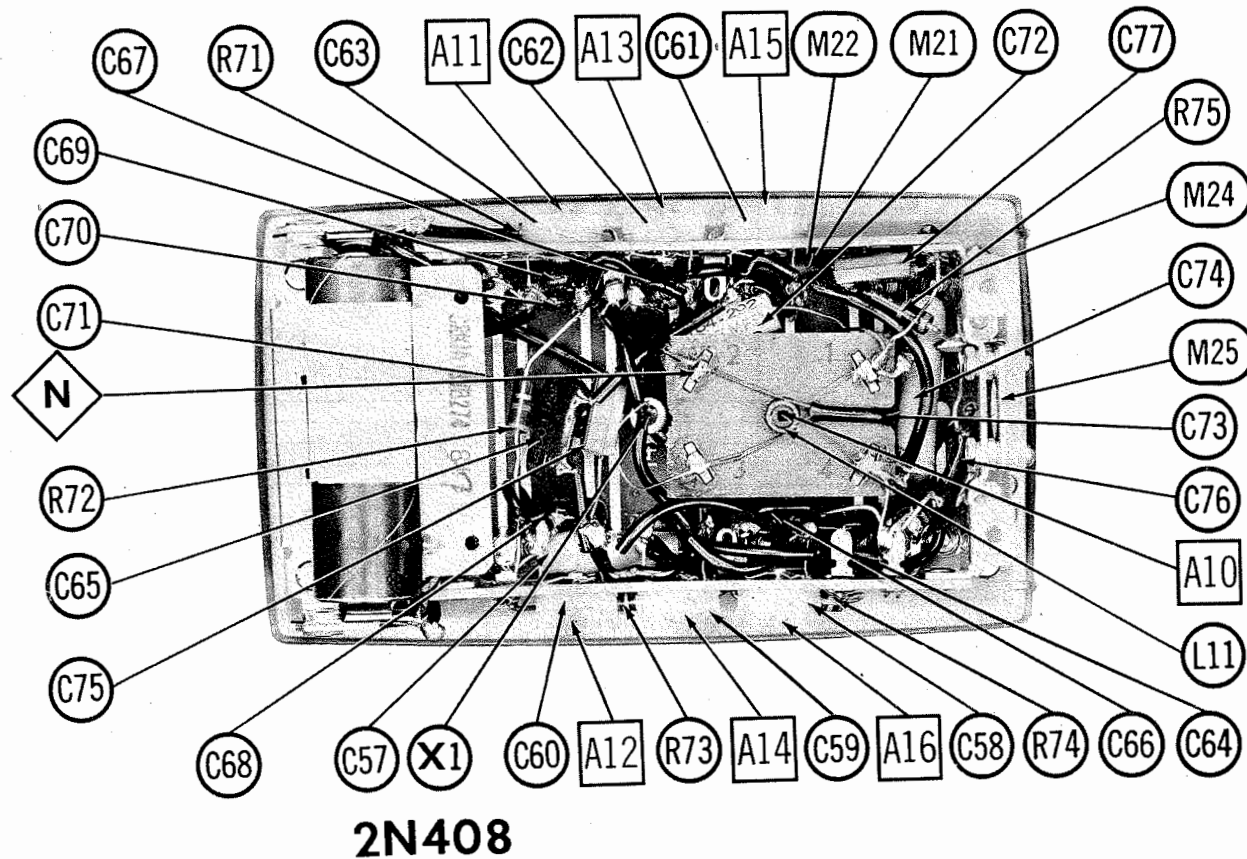
RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

REMOTE CONTROL ALIGNMENT INSTRUCTIONS (cont)

REMOTE CONTROL TRANSMITTER ALIGNMENT FOR CRK1A

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
14. 1500mmf Ceramic Capacitor	High side to Vert. Amp. of scope. Low side to scope.	43.25KC (Unmod) (Depress "Off" button)		Vert. Amp. to terminal 2 of L11. Low side to terminal 1.	A10	Adjust for zero beat on scope. Release button and depress opposite button and check for blocking on scope pattern.
15. "	"	42.0KC (Depress left "Channel" button)		"	A11	"
16. "	"	40.75KC (Depress left "Fine Tuning" button)		"	A12	"
17. "	"	39.5KC (Depress left "Volume" button)		"	A13	"
18. "	"	38.25KC (Depress left "Bright" button)		"	A14	"
19. "	"	37.0KC (Depress left "Color" button)		"	A15	"
20. "	"	35.75KC (Depress left "Tint" button)		"	A16	"



REMOTE CONTROL CRK1A

REMOTE CONTROL PARTS LIST AND DESCRIPTIONS (Continued)

CRK1A
RECTIFIERS

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	CURRENT (Measured)	RCA-Victor PART No.	FEDERAL PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	
M21 M22		106949 106949					

BATTERIES

ITEM No.	VOLTAGE	RCA-Victor PART No.	REPLACEMENT DATA				NOTES		
			BURGESS		EVEREADY			MALLORY	
			"A"	"B"	"A"	"B"		"A"	"B"
M23	6.5					TR-165R	Mercury Type		

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M24	Switch	106934	Circuit Board, Remote Control Transmitter
M25	Transducer	106930	

REMOTE CONTROL ALIGNMENT INSTRUCTIONS

PRE-ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: A1, A3 thru A15 GENERAL CEMENT #9440
 A2 GENERAL CEMENT #8606, 8606L, 8282, 9295
 WALSCO #2526, 2543, 2544, 2545

REMOTE CONTROL RECEIVER ALIGNMENT FOR CTP6A

Connect the negative lead of a 5 volt bias supply to pin 6 (plate) of the 6AV6 (V8). Positive to chassis. Turn all controls (R1 thru R7) fully clockwise. Turn Noise control (R8) fully counterclockwise. Open test jumper between points \diamond and \diamond . When performing steps 4 thru 10 note in which step the highest negative voltage is obtained after the minimum is reached. This will be important for steps 11 and 12. Use only enough generator output to provide a usable indication on VTVM.

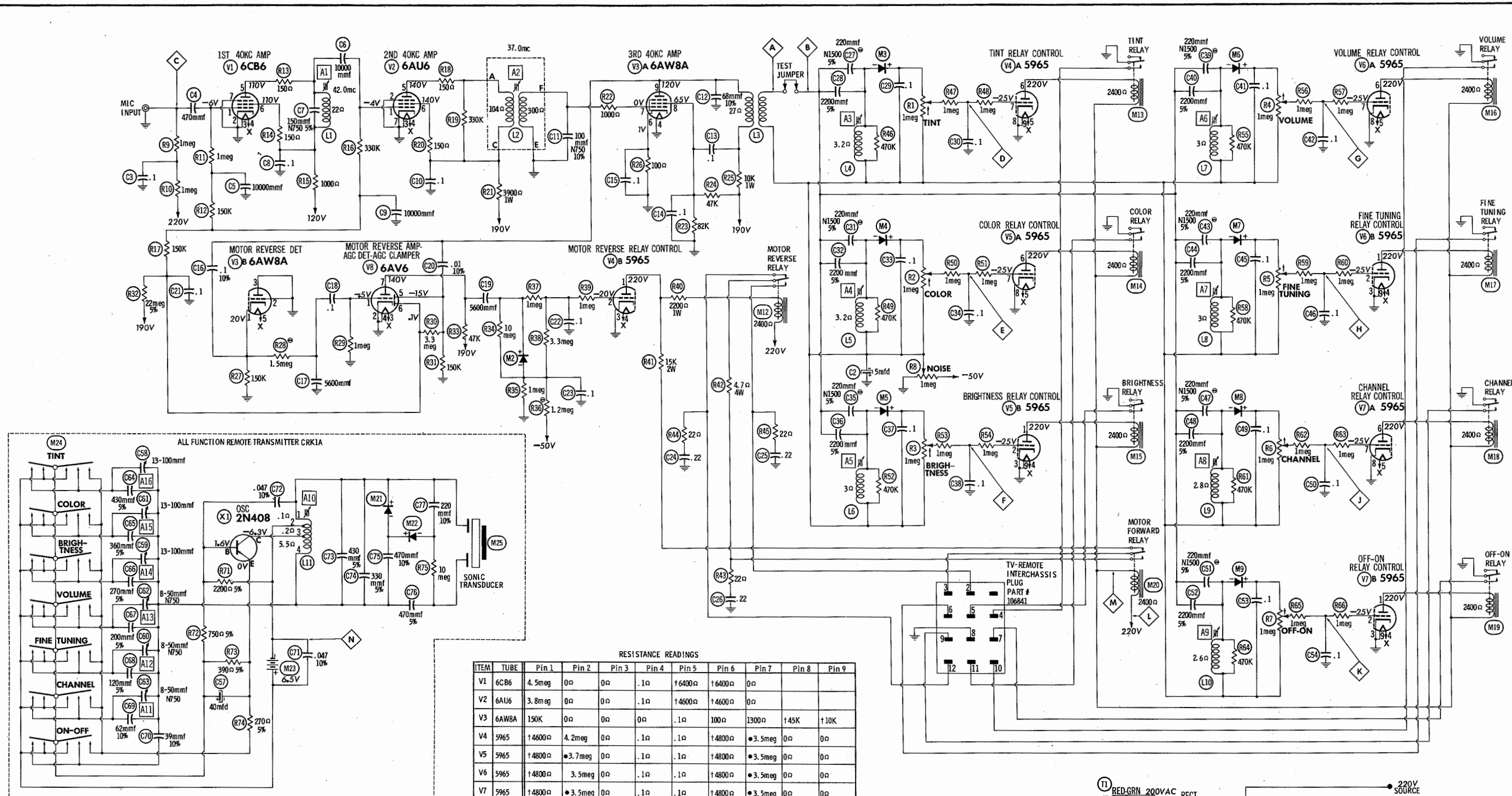
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. 1500mmf Ceramic Capacitor	High side to point \diamond . Low side to chassis.	42.0KC (Unmod)		DC probe to pin 5 (plate) of 6AV6 (V8). Common to chassis. (Use negative scale)	A1	Adjust for maximum negative voltage on meter. Set generator output for -15 volts on meter when finally peaked.
2. "	"	37.0KC		"	A2	Adjust for maximum negative reading on meter. DO NOT change generator level. Reading should be -15 to \pm 2 volts.
3. "	"	35.75KC		DC probe to pin 6 (plate) of 6AV6 (V8). Common to chassis.		Remove bias from pin 6 of V8. Set generator output to provide a reading on meter of -6 volts. Leave generator at this setting. Reconnect jumper between points \diamond and \diamond .
4. "	"	"		DC probe to point \diamond Common to chassis.	A3	Adjust for MINIMUM negative reading.
5. "	"	37.0KC		DC probe to point \diamond Common to chassis.	A4	"
6. "	"	38.25KC		DC probe to point \diamond Common to chassis.	A5	"
7. "	"	39.5KC		DC probe to point \diamond Common to chassis.	A6	"
8. "	"	40.75KC		DC probe to point \diamond Common to chassis.	A7	"
9. "	"	42.0KC		DC probe to point \diamond Common to chassis.	A8	"
10. "	"	43.25KC		DC probe to point \diamond Common to chassis.	A9	"
11. "	"	Use freq. of step above which resulted in highest negative voltage.		DC probe to point \diamond Common to point \diamond .	R8	Adjust the Noise control (R8) for 20 volt reading on meter.
12. "	"	35.75KC 37.0KC 38.25KC 39.5KC 40.75KC 42.0KC 43.25KC		"	R1 R2 R3 R4 R5 R6 R7	Adjust each Drive control (except the one corresponding to frequency used in step 11) for 20 volt reading on meter.
13. "	"	35.75KC		DC probe to center arm of Tint control (R1). Common to chassis.	R8	Remove 5965 (V4). Adjust Noise control (R8) for +8 volts on meter. Replace V4.

continued PAGE 28

SET 433 FOLDER 2

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2



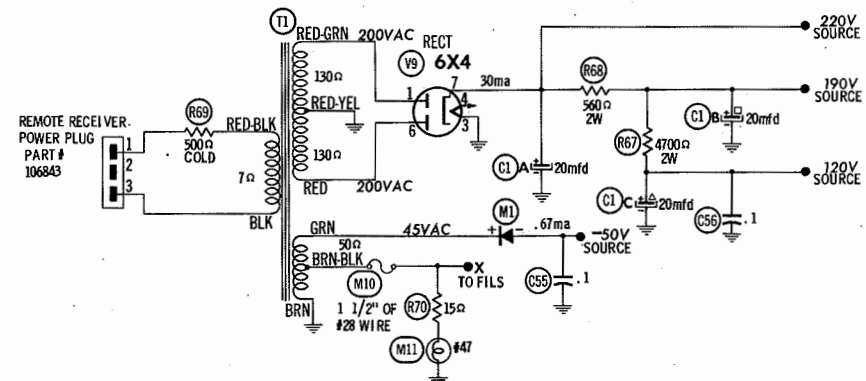
RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6CB6	4.5meg	0Ω	0Ω	.1Ω	†6400Ω	†6400Ω	0Ω		
V2	6AU6	3.8meg	0Ω	0Ω	.1Ω	†4600Ω	†4600Ω	0Ω		
V3	6AW8A	150K	0Ω	0Ω	.1Ω	100Ω	1300Ω	†45K	†10K	
V4	5965	†4600Ω	4.2meg	0Ω	.1Ω	.1Ω	†4800Ω	•3.5meg	0Ω	0Ω
V5	5965	†4800Ω	•3.7meg	0Ω	.1Ω	.1Ω	†4800Ω	•3.5meg	0Ω	0Ω
V6	5965	†4800Ω	3.5meg	0Ω	.1Ω	.1Ω	†4800Ω	•3.5meg	0Ω	0Ω
V7	5965	†4800Ω	•3.5meg	0Ω	.1Ω	.1Ω	†4800Ω	•3.5meg	0Ω	0Ω
V8	6AV6	1meg	0Ω	.1Ω	0Ω	150K	3.4meg	†47K		
V9	6X4	130Ω	8Ω	0Ω	.1Ω	0Ω	130Ω	†		
ITEM	TYPE	BASE	EMITTER	COLLECTOR						
X1	2N408	NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.								

† THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE C1 CIRCUIT.
 • THIS READING WILL VARY. CONTROL SET FOR NORMAL OPERATION.
 † MEASURED FROM 220V SOURCE.

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION
 DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM
 ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

- DC voltage measurements taken with vacuum tube voltmeter; AC voltage measured at 1000 ohms per volt.
- Pin numbers are counted in 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.
- All controls set for normal operation; no signal applied.

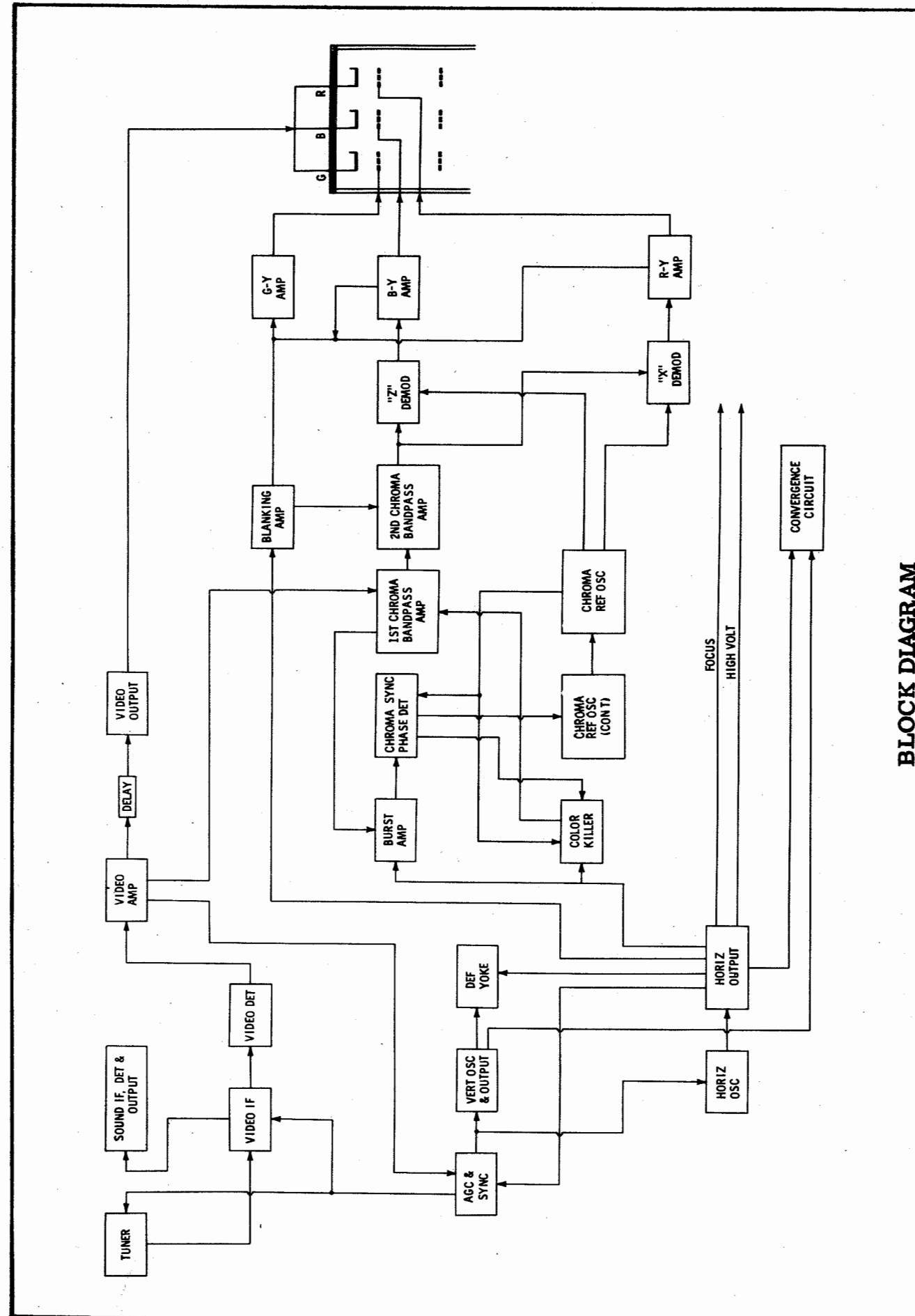


RESISTANCE MEASUREMENTS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6BZ6	100K	47Ω	0Ω	.1Ω	†4200Ω	†4200Ω	0Ω		
V2	6BZ6	100K	82Ω	.1Ω	0Ω	†4200Ω	†4200Ω	0Ω		
V3	6AW8A	0Ω	2.2meg	■ 1meg	.1Ω	0Ω	150Ω	.1Ω	†7500Ω	†7500Ω
V4	6AW8A	■ 0Ω	● †85K	760K	.1Ω	0Ω	850Ω	6200Ω	†23K	†7200Ω
V5	12BY7A	● 450Ω	● 450K	0Ω	.1Ω	.1Ω	0Ω	†4800Ω	†23K	0Ω
V6	6U8A	■ †25K	6.5Ω	■ 3300Ω	.1Ω	0Ω	■ 3300Ω	82Ω	950Ω	● 1meg
V7	6DT6	4.6Ω	470Ω	.1Ω	0Ω	†750K	■ 3300Ω	470K		
V8	6AQ5A	1.4meg	¶	.1Ω	0Ω	†350Ω	†800Ω	1.4meg		
V9	6CG7	■ †10K	33K	0Ω	.1Ω	0Ω	● †4.3meg	● 2.7meg	0Ω	0Ω
V10	6AQ5A	2.5meg	25Ω	0Ω	.1Ω	†3100Ω	†2700Ω	2.5meg		
V11	6CG7	†0Ω	330K	480K	.1Ω	0Ω	†39K	550K	0Ω	0Ω
V12	6DQ5	10meg	0Ω	0Ω	†14K	10meg	0Ω	.1Ω	†14K	TOP CAP †13Ω
V13	6AU4GTA	NC	NC	¶	NC	†16Ω	NC	0Ω	.1Ω	
V14	3A3		PINS 1 THRU 8	HAVE	INFINITE	RESISTANCE				TOP CAP †610Ω
V15	1V2	TP	NC	NC	66meg	66meg	TP	NC	NC	● †78K
V16	6BK4	†10Ω	†10K	NC	NC	● 850K	NC	†10K	NC	TOP CAP INF
V17	6U8A	147K	12meg	†13K	.1Ω	0Ω	†13K	0Ω	0Ω	10meg
V18	6AW8A	330Ω	100K	†23K	0Ω	.1Ω	10K	5600Ω	†800Ω	†1000Ω
V19	6BN8	18meg	270Ω	18meg	0Ω	.1Ω	270Ω	13meg	13meg	18meg
V20	6U8A	†14K	47K	†48K	0Ω	.1Ω	†1800Ω	0Ω	680Ω	18meg
V21	12AZ7	†6400Ω	2.5Ω	1500Ω	.1Ω	.1Ω	†6400Ω	2.5Ω	1500Ω	0Ω
V22	12BH7A	†15K	1meg	390Ω	.1Ω	.1Ω	†15K	1meg	390Ω	0Ω
V23	12BH7A	†39K	120K	330Ω	.1Ω	.1Ω	†15K	1meg	390Ω	0Ω
V24	21CYP22	†10K	†370K	● †110K	†7500Ω	†3300Ω	†370K	†110K	NC	67meg
		Pin 10 NC	Pin 11 ● †110K	Pin 12 †370K	Pin 13 †3000Ω	Pin 14 †10K				
V201	6BC8	†5500Ω	500K	600K	0Ω	.1Ω	600K	900K	0Ω	0Ω
V202	6CQ8	†7700Ω	100K	INF	.1Ω	0Ω	INF	0Ω	INF	INF

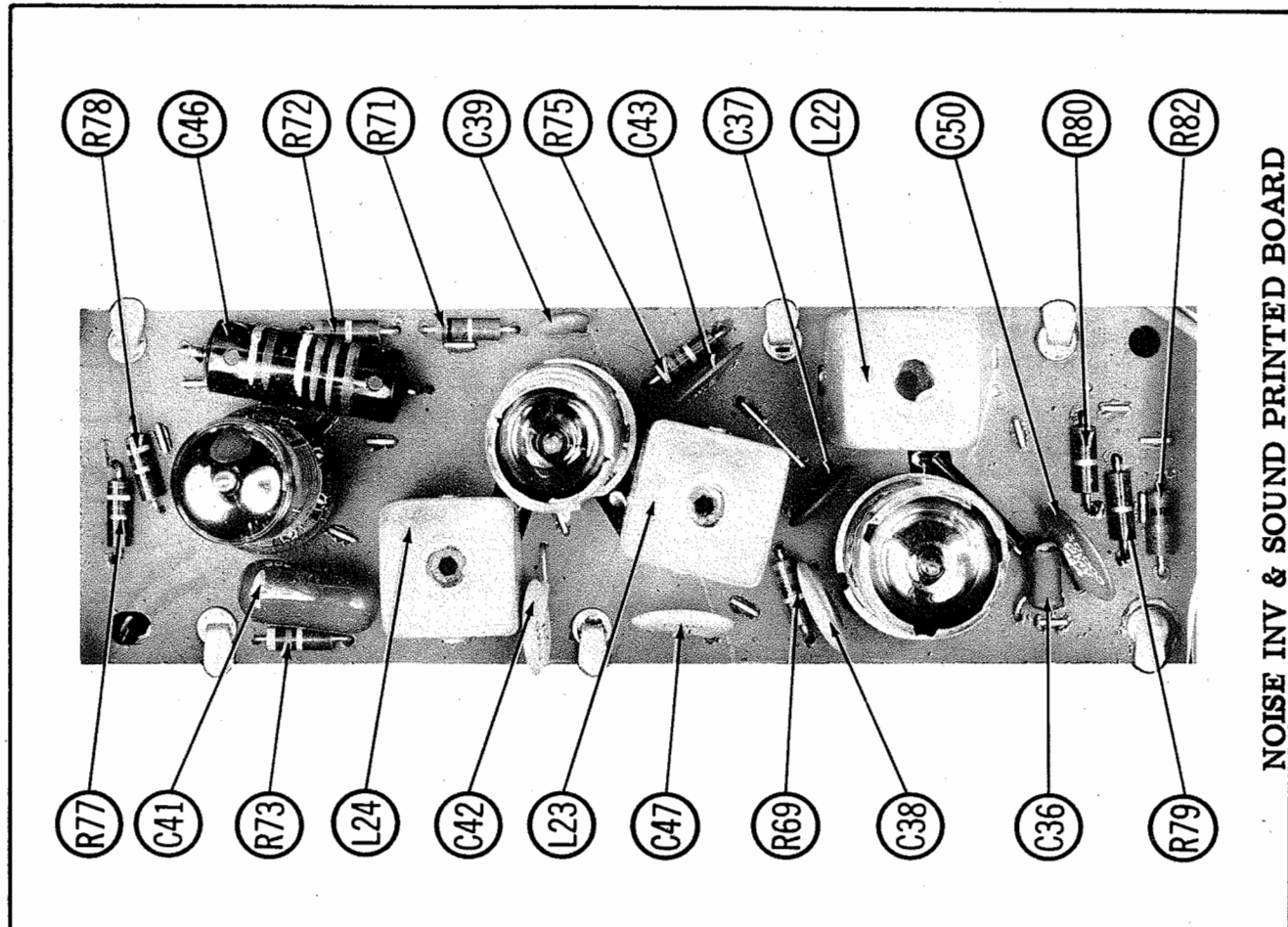
¶ THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
 ● THIS READING WILL VARY. CONTROL SET FOR NORMAL OPERATION.
 ■ MEASURED FROM 140V SOURCE.
 † MEASURED FROM 365V SOURCE.
 ‡ MEASURED FROM PIN 3 OF V13.

NC NO CONNECTION
 TP TIE POINT

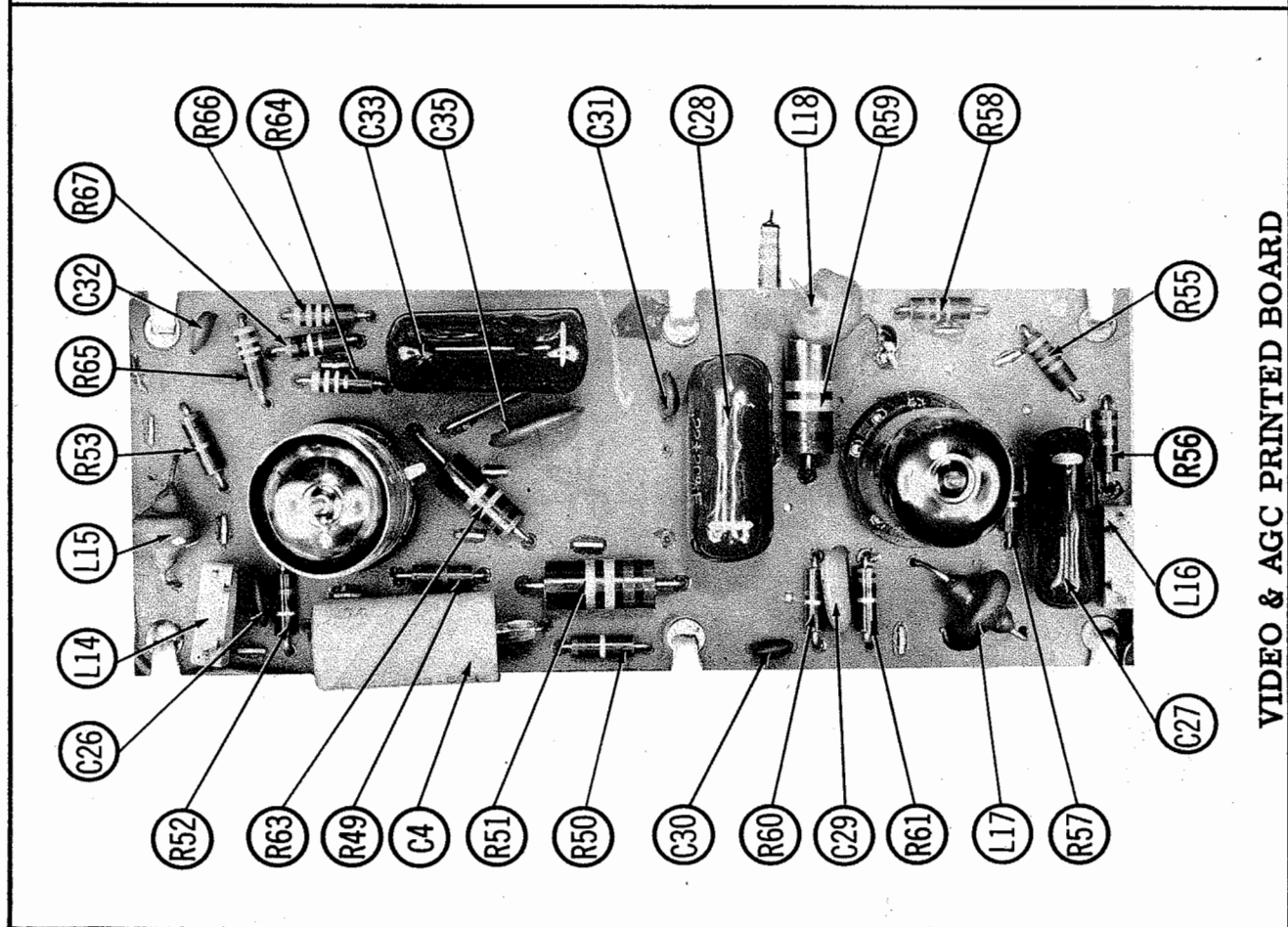


RCA VICTOR CHASSIS C1C7A, AB, AC, AD, AE, AF, AH,
 AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A
 MWGRVID K007B

FOLDER 2



NOISE INV & SOUND PRINTED BOARD



VIDEO & AGC PRINTED BOARD

ALIGNMENT INSTRUCTIONS (cont)

SOUND IF ALIGNMENT

Connect the negative lead of a 10 volt bias supply to point \diamond . Positive to chassis. In the following steps, the signal level may be reduced by disconnecting the lead from the terminal at point \diamond and connecting a 1meg potentiometer from point \diamond to chassis. The lead is then connected to the center arm of the control. This control is then used to control the level of the signal applied to the Sound IF strip. Start alignment with the control turned to maximum signal.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
15. .001mfd	High side to point \diamond . Low side to chassis.	4.5MC (Unmod.)	Any non-interfering channel	DC probe thru diode probe (Fig. 5) to pin 1 (grid) of 6DT6 (V7). Common to chassis. Connect scope across voice coil of speaker.	A8	Connect a jumper from pin 7 (grid 3) of V7 to chassis. Adjust for maximum deflection. Set generator output for 1 volt on VTVM. Use peak with slug nearest top of coil form.
16. "	"	"	"	"	A9, A10	Adjust for maximum deflection. Set generator output for 1 volt on VTVM. Peak with maximum core separation. Repeat step 15 and 16.
17.	Remove the diode probe and jumper. Turn off signal generator and tune in strongest signal in the area. Set volume control for normal volume. Set All so that core is flush with top of coil form. Observe scope and listen to sound. Change bias at point \diamond to zero. Adjust All clockwise to a peak. Continue clockwise to second louder peak and adjust for maximum output at this second peak. Gradually decrease signal until sound becomes distorted. Maintain distorted signal and adjust A9 for maximum output.					

ALTERNATE SOUND IF ALIGNMENT USING FM GENERATOR

Connect the negative lead of a 10 volt bias supply to point \diamond . Positive to chassis.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
15. .001mfd	High side to point \diamond . Low side to chassis.	4.5MC (400% FM Mod. 15KC Swp)	Any non-interfering channel	DC probe thru diode probe (Fig. 5) to pin 1 (grid) of 6DT6 (V7). Common to chassis.	A8	Connect a jumper from pin 7 (grid 3) of V7 to chassis. Adjust for maximum deflection. Set generator for 1 volt on VTVM. Use peak with slug nearest top of coil form.
16. "	"	"	"	"	A9, A10	Adjust for maximum deflection. Set generator for 1 volt on VTVM. Remove VTVM, diode probe and jumper.
17. "	"	"	"	USE SCOPE Across speaker voice coil	All	Starting with the slug fully counterclockwise adjust to a peak. Continue turning clockwise until a second peak is reached and adjust for maximum at this second peak. Decrease signal until detector breaks out of lock as indicated by jagged portions of the sine wave on the scope. Retouch A9 for symmetrical breakout similar to Fig. 6.

4.5MC TRAP ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
18. .001mfd	High side to point \diamond . Low side to chassis.	4.5MC (400% AM)	Any non-interfering channel	USE SCOPE Vert Amp. thru demodulator probe to pin 6 (plate) (V17). Low side to chassis.	A12	Adjust for MINIMUM 400% indication on scope.

CHROMA BANDPASS ALIGNMENT

Connect the negative lead of a 7 volt bias supply to point \diamond . Positive to chassis. Connect a clip lead from point \diamond to chassis. Turn Color control fully clockwise.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
19. .1mfd	High side to pin 2 (grid) of 6U8 (V17). Low side to chassis.	3.58MC (3-5MC Swp)	3.08MC 4.08MC	Any non-interfering channel	Vert. Amp. thru demodulator probe (Fig. 7) to pin 2 (grid) of 12AZ7 (V21). Low side to chassis.	A13, A14	Adjust for response similar to Fig. 8 with equal marker height.
20.	Turn the Brightness, Contrast and Noise controls fully counterclockwise. Connect 330 Ω resistor and 4mfd capacitor in series from plate (Pin 6) of 6U8 (V17) to chassis.						
21. Direct	High side to ungrounded tube shield floating over Mixer-Osc. tube (V202). Low side to chassis. Connect high side of separate marker generator to ungrounded tube shield of 1st Chroma Bandpass Amp. (V17). Low side to chassis.	45MC (10MC Swp)	3.08MC 4.08MC	Any non-interfering channel	Vert. Amp. thru demodulator probe (Fig. 7) to pin 2 (grid) of 12AZ7 (V21). Low side to chassis.	A15	Remove clip lead between point \diamond and chassis. Adjust A15 for response similar to Fig. 9. Peak with core nearest chassis end of coil form.

TUNER ALIGNMENT INSTRUCTIONS LOCATED ON PAGES 36 & 37

continued PAGE 7

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CRK1A, CTP6A, KRRK83B, KRRK84A

FOLDER 2

MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Suggested Alignment Tools:

B3, B4 GENERAL CEMENT #8606, 8606L, 8282, 9295
WALSCO #2526, 2543, 2544, 2545

Connect a 0-500MA meter in series with the cathode circuit of the Horizontal Output tube (V12). Connect a .47mfd capacitor across the meter terminals. Connect a 0-1MA meter in series with the cathode circuit of the HV Regulator (V16) by removing the test jumper and connecting the meter in its place. Connect the high side of the scope thru a low capacity probe to point \diamond . Low side to chassis. Connect the DC probe of the VTVM thru a high voltage probe to the high voltage rectifier "cup". Common to chassis.

Set the focus (R14) fully counterclockwise. Set the Horizontal Drive (R19) to the center of its range. Set the High Voltage Adjust (R20) at two-thirds clockwise rotation.

Tune the receiver to a station signal and synchronize the picture. Adjust the Horizontal Waveform slug (B3) for waveform similar to Fig. 11 with the round and sharp peaks at equal amplitudes. Keep the picture in sync during the adjustment with the Horizontal Hold.

Adjust the Horizontal Linearity slug (B4) for MINIMUM current indication on the 500MA meter.

Adjust the Horizontal Drive (R19) for maximum current without the presence of drive lines in the picture, but not to exceed 180MA.

Adjust the High Voltage Adjust (R20) for 23.5KV on the VTVM. Check the current reading on the meter. It should not exceed .8MA (19 watts).

AGC ADJUSTMENT

Tune in the strongest station in the area. Connect a scope to point \diamond . Low side to chassis. Adjust the AGC control (R17) for 10 volts peak to peak on the scope.

NOISE INVERTER ADJUSTMENT

Connect the Vert. Amp. of the scope to point \diamond . Low side to chassis. Turn the Noise control (R6) fully counterclockwise. Turn R6 clockwise and observe the scope, when the tips of the sync appear to be clipped turn counterclockwise until clipping just disappears.

COLOR AFC ALIGNMENT

Connect the Vert. Amp. of the scope to point \diamond . Low side to chassis. Connect the DC probe of the VTVM thru a 470K resistor to pin 7 (plate) of the 6BN8 (V19). Common to chassis.

Set the Tint control (R5A) to the center of its range.

Turn the Killer Threshold control (R3B) fully counterclockwise. Preset A20 one-half turn from tight.

Connect a short clip lead from point \diamond to chassis.

Adjust A16 and A17 for maximum deflection on the VTVM. If the Chroma Reference Oscillator is not running, no reading will be obtained. In which case, adjust A19 to start the oscillator and adjust A16 and A17. Adjust A18 for maximum deflection on VTVM. Make sure oscillator is running and locked in.

Connect a clip lead from point \diamond to chassis. Remove the VTVM from V19. Adjust A19 until the color bars stand still on the screen or drift away slowly. Move scope connection to point \diamond .

Remove the clip lead from point \diamond . Observe the bar pattern on the scope and retouch A18 if necessary, to obtain proper response curve similar to R-Y signal in Fig. 12 with equal change when rotating the Tint control from one end to the other. After the above adjustment return the Tint control to the nominal setting. Move the scope connection to point \diamond . If necessary, retouch A18 for correct B-Y signal as shown in Fig. 12.

Connect a clip lead from pin 7 (grid) of the Burst Amplifier (V18) to chassis.

Connect a clip lead from pin 9 (grid) of the Color Killer (V17) to chassis. Reconnect the clip lead to point \diamond .

Reconnect the VTVM to pin 7 of V18. Adjust A20 for zero volts on the VTVM. A positive and negative reading will be obtained on either side of the correct reading.

Recheck the setting of A16 by observing the B-Y waveform. Recheck the setting of A20. Check the G-Y waveform by connecting the scope to point \diamond and compare to the G-Y waveform in Fig. 12.

Remove all clip leads and test equipment. Switch to an unused channel and adjust the Killer Threshold control to the point where color just disappears from the noise pattern on the screen.

PRELIMINARY CONVERGENCE ADJUSTMENTS

Connect the RF output of a white dot generator to the antenna terminals. Preset all Red, Green, and Blue Horizontal and Vertical Convergence controls and coils to the center of their ranges.

Adjust the Red, Green, and Blue Convergence Magnets and the Lateral Magnet to produce a white dot in the center of the screen. Keep the receiver in sharp focus while making this adjustment. Switch the generator to standby position.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

COLOR PURITY ADJUSTMENTS

If necessary, demagnetize picture tube and associated components. Set the red tabs of the Purity Magnet together. Set the Edge Purity Magnets so that the two magnets are in the same relative position one above the other.

Loosen the yoke clamp and slide the deflection yoke to the rear as far as possible.

Shunt test points \diamond and \diamond to chassis thru individual 100K resistors. Slide the Purity Magnet around the neck of the picture tube and at the same time spread the red tabs apart to produce a uniform red screen area at the center of the screen.

Move the yoke forward and adjust for best overall red screen without neck shadow. Adjust so that any color impurities occur at the extreme edge of the raster.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

Adjust the Screen controls for a white raster and adjust the Edge Purity Magnets for best edge purity. Maximum correction is obtained with the open ends of the magnets 180 degrees apart. Rotate both magnets simultaneously to achieve the desired results.

VERTICAL CONVERGENCE ADJUSTMENTS

Recheck the "Preliminary Convergence Adjustments" for correct settings of the Red, Blue, and Green Magnets and Lateral Magnets to produce a white dot in the center of the raster.

Loosen the two screws holding the convergence board, slide the board to the left and remove. Fasten the board to the two screws provided on the top rail of the cabinet with the controls facing forward so that convergence adjustments may be made from the front of the receiver. Slots are provided in the lower edge of the board for making this mounting.

Switch the dot generator to the vertical white bars and adjust the Red and Green Tilt controls for equal displacement of the center bar at the top and bottom. Adjust Red and Green Vertical Amplitude controls until the red and green lines are straight.

Gradually reduce the amplitudes to converge the red, green, and blue along the center lines, retouching the Red and Green Tilt controls to keep the lines parallel. The center lines should converge to produce a white vertical line from top to bottom or should show slight displacement of the red at one side the green at the other with all three lines parallel from top to bottom. Readjust the convergence magnets if necessary to superimpose the three parallel lines to produce a single white line from top to bottom.

Switch the generator to the horizontal bars. Referring to the top and bottom bars as a reference, adjust the Blue Vertical Tilt, and Amplitude controls for equal downward displacement of the blue horizontal from the extreme top and bottom lines at the top center and bottom center of the raster. Reduce the Blue Vertical Amplitude control to converge all lines at the center, retouching the Blue Vertical Tilt SLIGHTLY, if necessary making all white lines at the center from top to bottom.

Switch the generator to crosshatch pattern. If necessary, retouch convergence magnets to produce good convergence at the center of the screen.

Adjust coil B-1 so that the blue horizontal line at the right center of the raster is a straight line.

Adjust control B-2 for a straight blue line to the left side of the raster. If a straight line cannot be obtained, move the clip on the back of the convergence control panel from pin "W" and 4 to 4 and "G".

Adjust R-G-1 to make the vertical lines at the right side of the raster converge. Adjust R-G-2 to make the horizontal red and green lines at the right side of the screen converge. Readjust B-1 to make the blue line at the right center fall on red and green converged lines. Retouch R-G-1 for convergence of vertical lines at the right side.

Adjust control R-G-3 to make vertical lines at the left side converge. Adjust control R-G-4 to make the red and green horizontal lines at the left side of the screen converge.

If it was impossible to achieve convergence at the left side with either R-G-3 or R-G-4, move the clip from terminal 8 and "G" to 8 and "V" and move the clip from 12 and "G" to 12 and "W". Now repeat adjustment of R-G-3 and R-G-4 and sufficient range will be obtained to converge in each case.

After readjusting R-G-4, repeat adjustment of R-G-3 to compensate for any interaction. Readjust B-2 to make the blue lines at the left center fall on the converged red and green lines.

The picture or pattern should now show proper convergence over the entire screen.

HORIZONTAL CONVERGENCE ADJUSTMENTS

Switch the generator to crosshatch pattern. If necessary, retouch convergence magnets to produce good convergence at the center of the screen.

Adjust coil B-1 so that the blue horizontal line at the right center of the raster is a straight line.

Adjust control B-2 for a straight blue line to the left side of the raster. If a straight line cannot be obtained, move the clip on the back of the convergence control panel from pin "W" and 4 to 4 and "G".

Adjust R-G-1 to make the vertical lines at the right side of the raster converge. Adjust R-G-2 to make the horizontal red and green lines at the right side of the screen converge. Readjust B-1 to make the blue line at the right center fall on red and green converged lines. Retouch R-G-1 for convergence of vertical lines at the right side.

Adjust control R-G-3 to make vertical lines at the left side converge. Adjust control R-G-4 to make the red and green horizontal lines at the left side of the screen converge.

If it was impossible to achieve convergence at the left side with either R-G-3 or R-G-4, move the clip from terminal 8 and "G" to 8 and "V" and move the clip from 12 and "G" to 12 and "W". Now repeat adjustment of R-G-3 and R-G-4 and sufficient range will be obtained to converge in each case.

After readjusting R-G-4, repeat adjustment of R-G-3 to compensate for any interaction. Readjust B-2 to make the blue lines at the left center fall on the converged red and green lines.

The picture or pattern should now show proper convergence over the entire screen.

GRAY SCALE ADJUSTMENT

Set the Screen controls fully clockwise and the Background controls fully counterclockwise. Turn the Brightness and Contrast controls fully counterclockwise after tuning in a station signal. Use a program which displays the full range of contrast from low lights to high lights.

Advance the Brightness control to obtain a picture just SLIGHTLY below normal brightness level, the control will usually fall at approximately two-thirds from fully counterclockwise. Be careful not to advance the Brightness to close to overload. If the picture appears to be too dim at the above setting, advance the Contrast control SLIGHTLY. Adjust Red, Blue, and Green Background controls to produce white in the high light areas of the picture.

As the screen control will be left at fully clockwise rotation. Which one will be determined as follows:

1. Yellow in lowlight areas. Blue Screen should remain at maximum.

2. Cyan in lowlight areas. Red Screen should remain at maximum.

3. Magenta in lowlight areas. Green Screen should remain at maximum.

4. Red, green or blue in lowlight areas. This condition indicates that the Screen control of the color appearing is too high and must be reduced from maximum. Turn this Screen control down slowly. One of the following conditions will occur:

a. If the picture becomes gray the two remaining Screens should remain at maximum setting and the Background control for the Screen turned down should be adjusted (with the Brightness control set for normal brightness) to produce white in the highlight areas. The raster should stay white (track) at all brightness levels. Recheck at low level and if necessary, retouch SLIGHTLY the Screen control that was previously turned down to achieve gray in the lowlight areas. No further adjustments are required and the balance of this procedure does not apply.

b. Yellow in the lowlight areas. Blue Screen should remain at maximum.

c. Cyan in lowlight areas. Red Screen should remain at maximum.

d. Magenta in lowlight areas. Green Screen should remain at maximum.

From this point on do not adjust either the Screen or Background control for the color which remains at maximum position. THIS IS IMPORTANT.

Turn the Brightness to a low level and adjust the two remaining Screen controls to produce a gray picture in the lowlight areas.

Advance the Brightness to normal brightness level and adjust the two remaining Background controls for white in the highlight areas.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

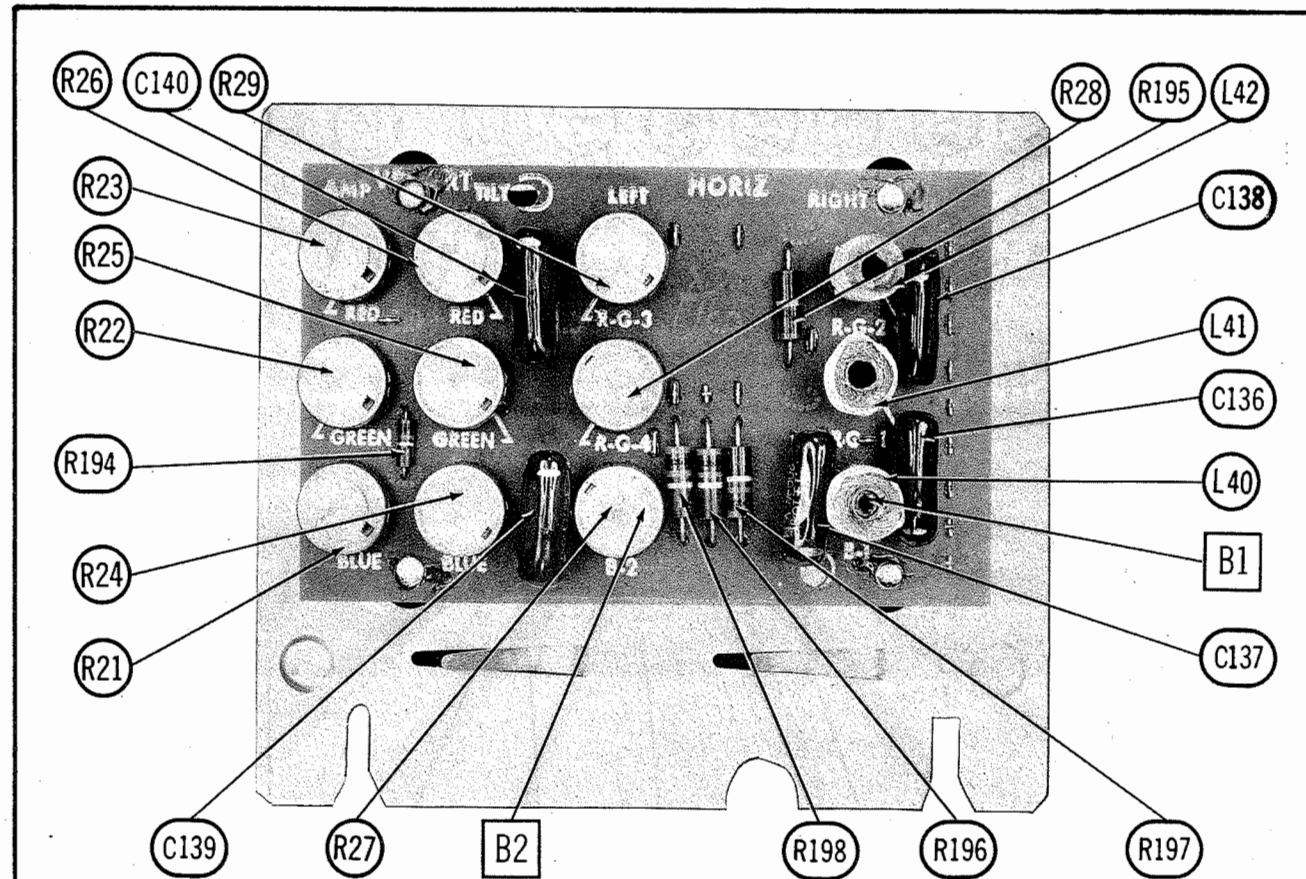
Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

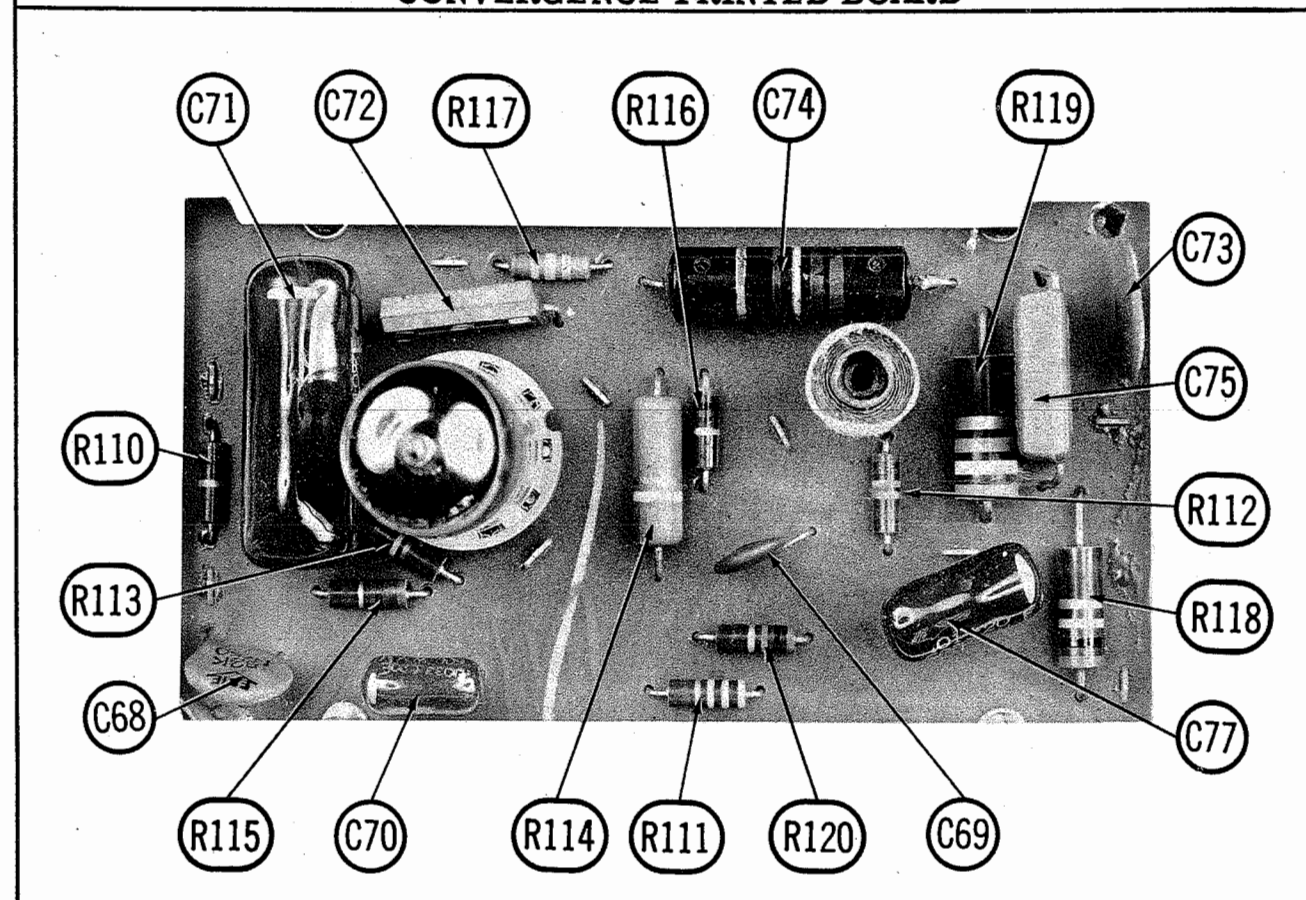
Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.

Check for proper gray scale at all brightness levels. It may be necessary to retouch SLIGHTLY the two Screen controls at lowlight and the Background controls at highlight, remembering not to adjust either the Screen or Background controls for the color set at maximum.



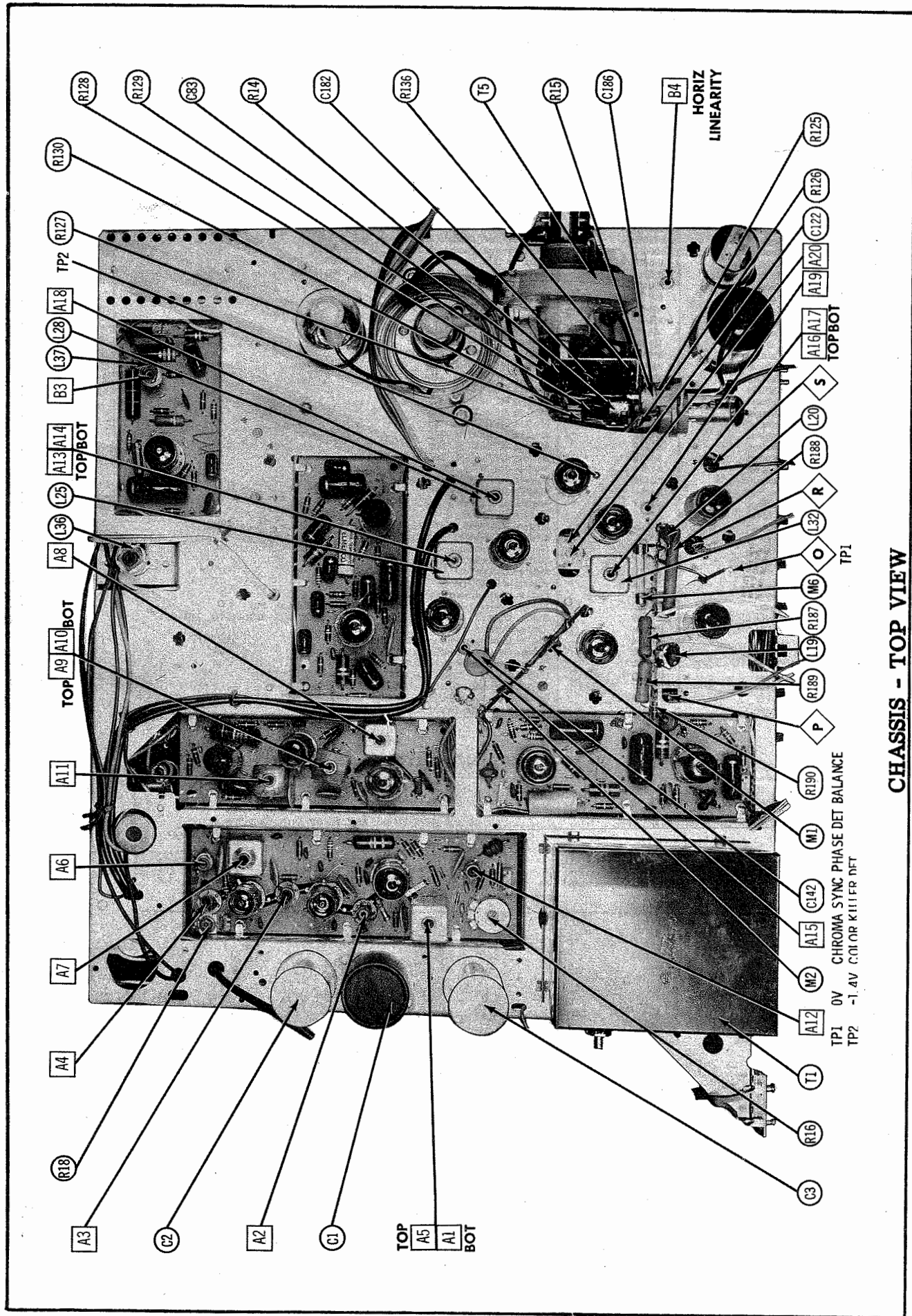
CONVERGENCE PRINTED BOARD



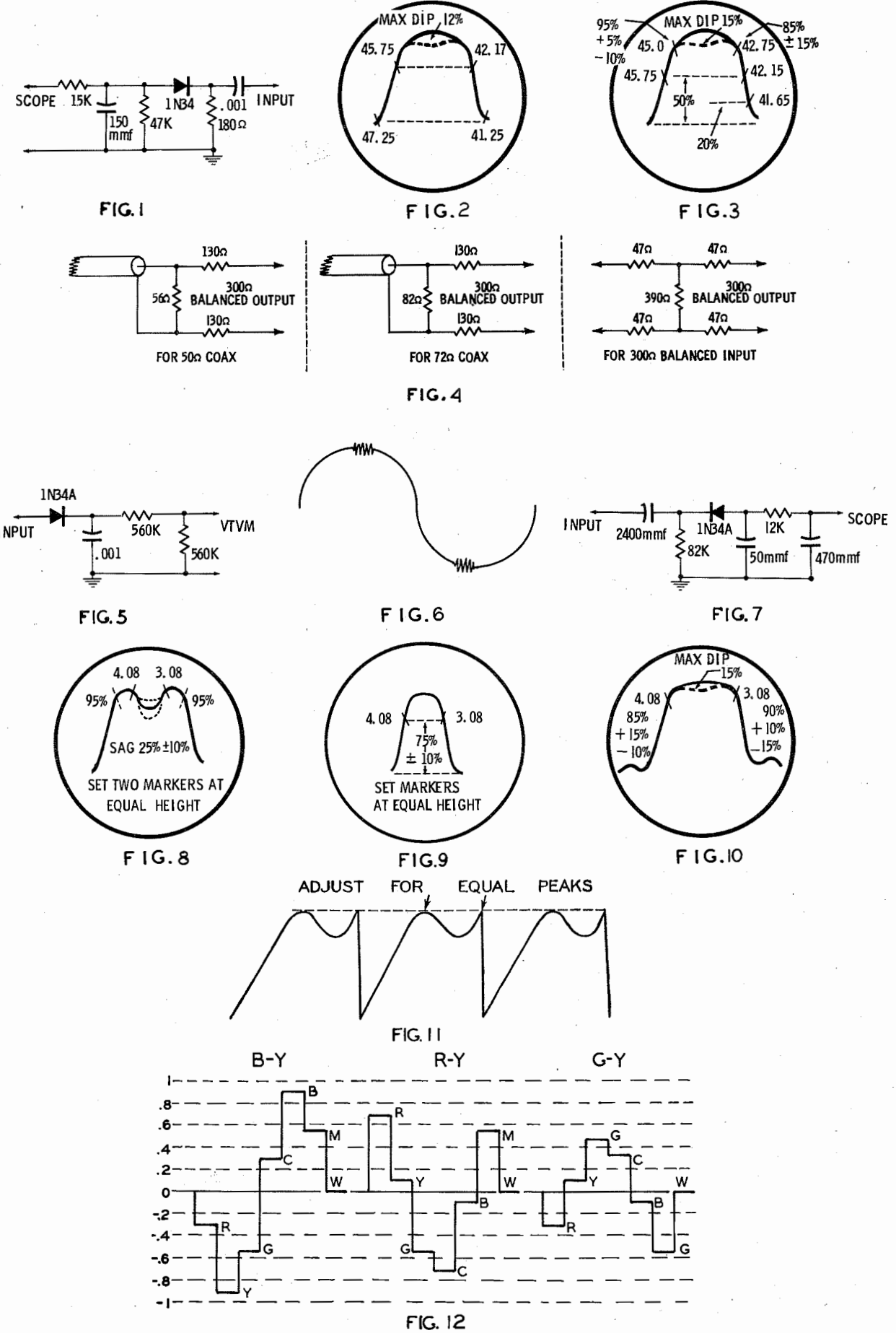
HORIZONTAL PRINTED BOARD

RCA VICTOR CHASSIS CTCT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2



ALIGNMENT INSTRUCTIONS (cont)



RCA VICTOR CHASSIS CT72A, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CR1A, CT6A, KKR83B, KKR84A

FOLDER 2

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	1st Video IF Amp.	6BZ6		V15	Focus Rectifier	1V2	
V2	2nd Video IF Amp.	6BZ6		V16	HV Regulator	6BK4	
V3	3rd Video IF Amp. - Sync Sep.	6AW8A		V17	1st Chroma Bandpass Amp. - Color Killer	6U8A	
V4	Video Amp. -AGC Keying	6AW8A		V18	2nd Chroma Bandpass Amp. - Burst Amp.	6AW8A	
V5	Video Output	12BY7A		V19	Chroma Sync Phase Det. - Killer Det.	6BN8	
V6	Sound IF Amp. -Noise Inv.	6U8A		V20	Chroma Ref. Osc. Control - Chroma Ref. Osc.	6U8A	
V7	Audio Det.	6DT6		V21	X Demodulator - Z Demodulator	12A27	
V8	Audio Output	6AQ5A	6DS5 *	V22	R-Y Amp. - B-Y Amp.	12BH7A	
V9	Sync Amp. -Vert. Mult.	6CG7		V23	G-Y Amp. -Horiz. Blanking Amp.	12BH7A	
V10	Vert. Mult. -Vert. Output	6AQ5A					
V11	Horiz. AFC-Horiz. Osc.	6CG7					
V12	Horiz. Output	6DQ5					
V13	Damper	6AU4GTA					
V14	HV Rectifier	5A3					

* Alternate.

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	RCA Victor PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V24	21CYP22		21CYP22	21CYP22	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA							
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.	
C1	160	250	106364	AFH1-31-75	XA0315	FP131	TMS-34	S-160	TVL-1540	
C2A	160	250	106363	AFHSS-178-60	D0360	FP368.5		Q-287	TVLS-371L 2*	
B	50	450			BR6045	TC80		MT-25100		
C	450	50								
C3A	80	450	105219	AFH3-182-80	B0489	FP342.8	TMD-93	T-740	TVLS-3723.7*	
B	50	350			BRI0035		TD-100-200	MT-4550		
C	100	200								
C4	2	350	78920	PRS450V2	BR245	TT350X2	TD-2-450	MT-4502	TVA-1701	
C5	8	10NTP	102847	AC-PRSI0V8	BBI6-90	TC108	TD-16-150	MT-1516	TVAS-1112 *	
					BBI6-90		TD-16-150	MT-1516		
C145	40	25	105758	PRS25V50	BBR50-25	TC29	TD-50-25	MT-0250	TVA-1206	

* Not normally in distributors stock. Available thru distributor on order to manufacturer.
† Connect negative leads together.

FIXED CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA							NOTES
	CAP.	VOLT.	RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
C6	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1	±.25mmf	
C7	.1	200	105288					5TCCB-V9S		
C8	150		105299		DTZ-150			5GA-T15S 5% *	5% N2200 10%	
C9	680		102237							
C10	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C11	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C12	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C13	330		101725						NI500 10%	
C14	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C15	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C16	2		106390						N3300 ±.25mmf	
C17	1.5		103411		TCZ-1R5		CNO-515	5TCCB-V15S ±.25mmf*	±.25mmf	
C18	470								NI500 10%	
C19	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C20	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C21	1500		73748	BPD-0015	DD-152	BYA10D15	B-215	5HK-DI5		
C22	1000		77252	BPD-001	DD-102	BYA10DIM	B-210	5HK-DI		
C23	10								NI50 10%	
C24	22		102793	DI-22	DD-220	L10Q22	CNO-422	5GA-Q22S 10% *	10% N30 5%	
C25	100									
C26	1000		102234A	DI-1000		L10T1	JL-210	5GA-D1S 10% *		
C27	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-P1		
C28	.22	200	106354	P288N-22		CUB2P22	GEM-2022	2TM-P22		
C29	1500		104890	DI-1500		L10D15	JL-215	5GA-D1S 10% *	10%	
C30	390		105310	DI-390		L10T39		5GA-T39S 10% *	10%	
C31	1000		77252	BPD-001	DD-102	L10D1	B-210	5HK-DI		
C32	1000		77252	BPD-001	DD-102	L10D1	B-210	5HK-DI		
C33	.22	200	106354	P288N-22		CUB2P22	GEM-2022	2TM-P22	10% ①	
C34	.001	2000	106790							
C35	10000		73960	BPD-01	DD-103	BYA10S1	B-210	5HK-S1	±.5mmf	
C36	5		106384					5GA-V5S ±.5mmf *		
C37	1800		105524	DI-1800		L10D18	JL-218	5GA-D18S 10% *	10%	
C38	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-S1		
C39	560		105248	DI-560		L10T56	JL-356	5GA-T56S 10% *	10%	
C40	.1	600	106372	P688N-1	DF-104	CUB6P1	GEM-601	6TM-P1		
C41	.047	200	106107	P288N-047	DF-503	CUB2847	GEM-2147	2TM-S47		
C42	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-S1		
C43	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-S1		
C44	.0068	400	106106					5BF-D68	10%	
C45	.0018	600	106113					6TM-D18S 10% *	10%	

PARTS LIST AND DESCRIPTIONS (Continued)

CABINETS & CABINET PARTS (cont)

NAME	PART NO.	DESCRIPTION
Knob	106315	Volume, Brightness, Models 21CD8712M, MU
Knob	104992	Volume, Brightness, Models 21CD8910M, 4M, & MU
Knob	106615	Volume, Brightness, Models 21RC8975, U, 21RC8985, U
Knob	106616	Volume, Brightness, Models 21RC8977, U, 21RC8987, U
Knob	106784	Volume, Brightness, Models 21CD8845M, 6M, 7M, & MU
Knob	106784	Volume, Brightness, Models 21CD8845M, 6M, 7M, & MU
Knob	102581	Vert. Hold, Tone
Knob	79533	Horiz. Freq. Coll
Knob	106317	Horiz. Hold
Knob	104993	Color or Hue, Models 21CD8725M, MU, 21CD8865M, MU
Knob	104994	Color or Hue, Models 21CD8727M, MU, 21CD8727M, MU, 21CD8906M, 7M, & MU, 21CD8866M, 7M, & MU, 21CD8776M, 7M
Knob	106316	Color or Hue, Models 21CT8712M, MU
Knob	104995	Color or Hue, Models 21CD8910M, 4M, & MU
Knob	106617	Color or Hue, Models 21RC8975, U, 21RC8985, U
Knob	106618	Color or Hue, Models 21RC8977, U, 21RC8987, U
Knob	106785	Color or Hue, Models 21CD8845M, 6M, 7M, & MU
Knob	100407	Focus Control
Cabinet	M4457	Model 21CD8876M
Cabinet	M4458	Model 21CD8777M
Cabinet	M4489	Models 21CD8845M, MU
Cabinet	M4490	Models 21CD8846M, MU
Cabinet	M4491	Models 21CD8847M, MU
Cabinet	M4449	Models 21CD8865M, MU
Cabinet	M4450	Models 21CD8866M, MU
Cabinet	M4451	Models 21CD8867M, MU
Cabinet	Z4358	Models 21CT8712M, MU
Cabinet	Z4359	Models 21CD8725M, MU
Cabinet	Z4360	Models 21CD8727M, MU
Cabinet	X4371	Models 21CD8906M, MU
Cabinet	X4372	Models 21CD8907M, MU
Cabinet	X4369	Models 21CD8910M, MU
Cabinet	X4370	Models 21CD8914M, MU
Cabinet	X4429	Models 21RC8975, U
Cabinet	X4430	Models 21RC8977, U
Cabinet	X4431	Models 21RC8985, U
Cabinet	X4432	Models 21RC8987, U
Cabinet	X4508	Models 21RC8995, U
Cabinet	X4509	Models 21RC8996, U
Legs	X5027	Models 21CD8865M, MU
Legs	X5028	Models 21CD8866M, MU
Legs	X5029	Models 21CD8867M, MU
Legs	X5031	Models 21CD8776M
Legs	X5032	Models 21CD8777M
Cover	106697	Hidden Control, Models 21CD8865M, MU
Cover	106698	Hidden Control, Models 21CD8776M, MU, 21CD8866M, MU
Cover	106699	Hidden Control, Models 21CD8777M, 21CD8867M, MU, 21CD8907M, MU
Cover	104519	Hidden Control, Models 21CD8725M, MU
Cover	103994	Hidden Control, Models 21CD8712M, MU
Cover	103995	Hidden Control, Models 21CD8727M, MU
Cover	106712	Hidden Control, Models 21CD8906M, MU
Cover	106713	Hidden Control, Models 21CD8910M, MU
Cover	106714	Hidden Control, Models 21CD8914M, MU
Cover	106580	Receiver Includes Bezel Assembly, Models 21RC8975, 7 & U
Cover	106644	Receiver Includes Bezel Assembly, Models 21RC8985, 7 & U

WIRING DATA

High Voltage Lead	Use BELDEN No. 8869
Shielded Hook-up Wire	Use BELDEN No. 8885 (Single Conductor) 8738 (Two Conductor)
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in Ten Colors 8524 (Stranded) Available in Ten Colors
Power Cord (Interlock Type)	Use BELDEN No. 8874
3000 Tuner Input Lead	Use BELDEN No. 8225
3000 Antenna Lead-in	Use BELDEN No. 8230 or 8275
Antenna Rotor Cable	Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor 8485 (Round) - 5 Conductor 8488 (Round) - 8 Conductor

RCA VICTOR CHASSIS CT7AA, AB, AC, AD, AE, AF, AH, AJ, AK, AL, AM, AN, CRK1A, CTP6A, KRK83B, KRK84A

FOLDER 2

PARTS LIST AND DESCRIPTIONS (Continued)

CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA			NOTES
		RCA Victor PART No.	CBS PART No.	SYLVANIA PART No.	
M7	1N80	105517	1N80	1N295	Video Detector (Pigtail)
M8	1N80	105517	1N80	1N295	Sound Detector (Pigtail)

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M9	Lamp		#47
M10	Lamp		#47
M11	Tuner	KRK48B	VHF, Ch. CTC7AA, AC
	Tuner	KRK48C	VHF, Ch. CTC7AK
	Tuner	KRK75A	VHF, Ch. CTC7AE, AH
	Tuner	KRK75B	VHF, Ch. CTC7AM
	Tuner	KRK49B	VHF with UHF Provisions Ch. CTC7AB, AD
	Tuner	KRK49C	VHF with UHF Provisions Ch. CTC7AL
	Tuner	KRK76A	VHF with UHF Provisions Ch. CTC7AF, AJ
	Tuner	KRK76B	VHF with UHF Provisions Ch. CTC7AN
	Tuner	KRK68M	UHF, Ch. CTC7AB, AD
	Tuner	KRK66L	UHF, Ch. CTC7AF, AJ
	Tuner	KRK66P	UHF, Ch. CTC7AL
	Tuner	KRK66R	UHF, Ch. CTC7AN
M12	Delay Line	105253	
M13	Thermal Switch	106541	
M14	Crystal	105330	3.579545MC
M15	Magnet	105024	Convergence (3 used)
M16	Magnet	103172	Blue Lateral Assy.
M17	Magnet	105027	Color Parity
	Connector	105990	High Voltage Lead Assy., 28" Long
	Microphone	106586	Remote Control Receiver Transducer, Models 2IRC8975, 7, & U, 2IRC8985, 7, & U
	Microphone	106882	Remote Control Receiver Transducer, Models 2IRC8995, 6, & U
	Printed Board	106348	Sound (Less Tubes)
	Printed Board	106350	Video IF (Less Tubes)
	Printed Board	106349	Video (Less Tubes)
	Printed Board	106531	Vert. (Less Tubes)
	Printed Board	106352	Sync (Less Tubes)
	Printed Board	106318	Convergence (Less Tubes)

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Safety Glass	105014	Models 2ICD8725M, 7M, MU, 2ICT8712M, MU
Safety Glass	108781	Models 2ICD8845M, 6M, 7M, & MU, 2IRC8995, 6, & U
Safety Glass	105008	Models 2ICD8906M, 7M, & MU, 2ICD8910M, 4M, & MU, 2IRC8975, 7, & U, 2ICD8776M, 7M, 2IRC8985, 7, & U, 2ICD8865M, 6M, 7M, & MU
Mask	108704	Models 2ICD8906M, 7M, & MU, 2ICD8865M, 6M, 7M, & MU, 2ICD8776M, 7M, 2ICD8845M, 6M, 7M, & MU
Mask	106459	Models 2ICD8910M, 4M, & MU, 2IRC8975, 7, & U, 2IRC8985, 7, & U, 2IRC8995, 6, & U
Mask	105970	Models 2ICD8725M, 7M, & MU, 2ICT8712M, MU
Knob	104979	VHF Channel Selector, Models 2ICD8727M, 2ICD8776M, 7M
Knob	106309	VHF Channel Selector, Model 2ICT8712M
Knob	104985	VHF Channel Selector, Models 2ICD8908M, 7M, & MU, 2ICD8866M, 7M, & MU
Knob	104986	VHF Channel Selector, Models 2ICD8910M, 4M, & MU
Knob	104984	VHF Channel Selector, Models 2ICD8865M, MU
Knob	106783	VHF Channel Selector, Models 2ICD8845M, 6M, 7M, & MU
Knob	104978	VHF Channel Selector, Model 2ICD8725M
Knob	106607	Channel Selector, Models 2IRC8975, U, 2IRC8985, U
Knob	106608	Channel Selector, Models 2IRC8977, U, 2IRC8987, U
Knob	104981	VHF-UHF Channel Selector, Model 2ICD8725MU
Knob	104982	VHF-UHF Channel Selector, Model 2ICD8727MU
Knob	106310	VHF-UHF Channel Selector, Model 2ICT8712MU
Knob	101144B	VHF-UHF Channel Selector, Models 2ICD8845MU, 6MU, 7MU
Knob	104987	Fine Tuning, Models 2ICD8725M, MU, 2ICD8865M, MU
Knob	104988	Fine Tuning, Models 2ICD8727M, MU, 2ICD8906M, 7M, & MU, 2ICD8866M, 7M, & MU, 2ICD8776M, 7M
Knob	106311	Fine Tuning, Models 2ICT8712M, MU
Knob	104989	Fine Tuning, Models 2ICD8910M, 4M, & MU
Knob	106609	Fine Tuning, Models 2IRC8975, U, 2IRC8985, U
Knob	106610	Fine Tuning, Models 2IRC8977, U, 2IRC8987, U
Knob	101278B	Fine Tuning, Models 2ICD8845M, 6M, 7M, & MU
Knob	102653	UHF Tuning, Models 2ICD8725MU, 2ICD8865MU, 2IRC8995U
Knob	102578	UHF Tuning, Models 2ICD8727MU, 2ICD8906MU, 7MU, 2ICD8866MU, 7MU, 2IRC8998U
Knob	102580	UHF Tuning, Model 2ICT8712MU
Knob	102749	UHF Tuning, Models 2ICD8910MU, 4MU
Knob	106613	UHF Tuning, Models 2IRC8975U, 2IRC8985U
Knob	106614	UHF Tuning, Models 2IRC8977U, 2IRC8987U
Knob	106103	UHF Dial Escutcheon, Models 2ICD8727MU, 2ICD8906MU, 7MU, 2ICD8910MU, 4MU, 2ICD8866MU, 7MU, 2IRC8996U
Knob	108104	UHF Dial Escutcheon, Model 2ICT8712MU
Knob	106282	UHF Dial Escutcheon, Models 2ICD8845MU, 6MU, 7MU
Knob	106611	UHF Dial Escutcheon, Models 2IRC8975U, 2IRC8985U
Knob	106612	UHF Dial Escutcheon, Models 2IRC8977U, 2IRC8987U
Dial	106675	VHF Channel Indicator Drum, Ch. CTC7AE
Dial	106673	VHF Channel Indicator Drum, Ch. CTC7AH
Dial	106803	VHF Channel Indicator Drum, Ch. CTC7AK
Dial	106676	VHF-UHF Channel Indicator Drum, Ch. CTC7AF
Dial	106674	VHF-UHF Channel Indicator Drum, Ch. CTC7AJ
Dial	106804	VHF-UHF Channel Indicator Drum, Ch. CTC7AL
Knob	104990	Volume, Brightness, Models 2ICD8725M, MU, 2ICD8865M, MU
Knob	104991	Volume, Brightness, Models 2ICD8727M, MU, 2ICD8906M, 7M, & MU, 2ICD8866M, 7M, & MU, 2ICD8776M, 7M

PARTS LIST AND DESCRIPTIONS (Continued)

CAPACITORS (cont)

ITEM No.	RATING		REPLACEMENT DATA							NOTES
	CAP.	VOLT	RCA Victor PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.		
C46	.0027	1600	73818							10%
C47	10000		73960	BPD-01	DD-103	BYA10S1	B-110	MB-D27S 10% *		10%
C48	.0047	600	106369					5HK-SI		
C49	1000		102234A	BPD-001	DD-102	BYA10DIM	GEM-16247	6TM-D47S 10% *		10%
C50	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-DI		
C51	.01	400	73961					5HK-SI		
C52	330		105301	DI-330		L10T33	GEM-1611	5BF-SI		10%
C53	.033	400	106392				JL-333	5GA-T33S 10% *		10%
C54	390		105310	DI-390		L10T39	GEM-1613	5BF-S33		10%
C55	.01	400	106185					5GA-T39S 10% *		10%
C56	.0062	400	106393				GEM-1611	5BF-SI		10%
C57	.01	600	106077				GEM-16282	5BF-D62		10%
C58	.033	400	106392				GEM-1611	6TM-S1S 10% *		10%
C59	.12	400	106396				GEM-1613	5BF-S33		10%
C60	.001	2000	105320					5BF-P12		10%
C61	.0056	400	106394							10%
C62	10000	1400	100910				HVE16S1	GEM-16256	5BF-D56	10%
C63	.056	600	106395					2HV-110	20HK-B-SI	10%
C64	.47	200	106111					GEM-16256	6TM-S66S 10% *	10%
C65	.01	400	106185					GEM-2047	2WF-P47	10%
C66	.47	200	106111					GEM-1611	5BF-SI	10%
C67	.68	2000	106373					GEM-2047	2WF-P47	10%
C68	.82		105323							N2200
C69	1000		102234A	BPD-001	DD-102	BYA10D1	B-210	5GA-DI		N750 10%
C70	.0033	600	106105	P688N-0033	DD-332	CUB6D33	GEM-6233	6TM-D33		
C71	.27	400	106397				GEM-6027	5BF-P27		10%
C72	390	1000	102512	HVD-15-390	DD-391					
C73	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C74	.01	600	73594					6TM-S1S 5% *		5%
C75	.680		39648	1469-00068		IR5T68		MS-368		5%
C76	.0033	600	106105	P688N-0033	DD-332	CUB6D33	GEM-6233	6TM-D33		
C77	.01	600	106077	P688N-01	DD-103	CUB6S1	GEM-611	6TM-SI		
C78	.1	600	106372	P688N-1	DF-104	CUB6P1	GEM-601	6TM-PI		
C79	.047	600	106109	P688N-047	DF-503	CUB6S47	GEM-6147	6TM-S47		⊙
C80	.22	1000	105233		DD-220	BYA10DIM	CNO-422	20GAB-Q22		
C81	.15	200	106371				GEM-2015	2WF-P15		10%
C82	.47	200	73787	P288N-47		CUB2P47	GEM-2047	2TM-P47		
C83	.47	200	73787	P288N-47		CUB2P47	GEM-2047	2TM-P47		
C84	.1	600	106372	P688N-1			GEM-601	6TM-PI1S 10% *		10%
C85	.047	600	106109	P688N-047				6TM-S47S 10% *		10%
C86	.56	6000	106370				GEM-16233	6TM-D33S 10% *		N2200
C87	.0033	600	106105							10%
C88	.47	4000	106308							N2200
C89	100	3000	106306							N2200 5%
C90	560	2000	106307							N3300 10%
C91	560	2000	106307							N3300 10%
C92	.047	200	106107					2WF-S47		10%
C93	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C94	100	2000	105418					20GAB-T1S 10% *		10%
C95	.27									N150 10%
C96	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-PI		
C97	.27		100352	SI 27			UC-5427	5GA-Q27		
C98	.1	400	106110					5BF-PI		10%
C99	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-PI		
C100	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C101	560		105248	DI-560		L10T56	JL-356	5GA-T56S 10% *		10%
C102	330		105310	DI-330		L10T33	B-333	5GA-T33S 10% *		10%
C103	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C104	.1	200	106374				GEM-201	2WF-PI		10%
C105	330		79191	1469-00033		5R5T33	MS-333			5%
C106	5		103700	SI 5	D6-050	L10V5	ZT-555	5GA-V5		±.25mmf
C107	2		106376					5TCCB-V2S		±.25mmf
C108	330		79191	1469-00033		5R5T33		MS-333		5%
C109	180						CN7-318			N750 5%
C110	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C111	330		79191	1469-00033		5R5T33		MS-333		5%
C112	120		105242	DI-120	DD-121	L10T12	CNO-312	5GA-T12S 10% *		10%
C113	4		105247					5TCCB-V4S		±.5mmf
C114	4700		105244	BPD-0047	DD-472	BYA10D47	B-247	5HK-D47		
C115	.1	200	106374	P288N-1	DF-104	CUB2P1	GEM-201	2TM-PI		
C116	15			NPO-DI 15	DTZ-15	C10Q5C	CNO-415	5TCC-T15S 10% *		NPO 10%
C117	10000		73960	BPD-01	DD-103	BYA10S1	B-110	5HK-SI		
C118A	10000		75877	BPD-01	DD3-103	BYC6DD1	B-110	5HK-2S1		
C										

PARTS LIST AND DESCRIPTIONS (Continued)

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	RCA Victor PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
R1A	500Ω	1/2	105201	FL-1				Color, Note 1
B	1meg	1/2		R2-57				Volume, Tap @ 200K, Note 1.
C	Switch			KB-1 or KR-1*				
R2A	2.5meg	1/2	105200					Tone
B	5meg	1/2						Height
R3A	500Ω	1/2	105199					Contrast
B	1meg	1/2						Killer Threshold
R4A	2.5meg	1/2	105047					Vert. Hold
B	100K	1/2						Vert. Lin.
R5A	1200Ω	1/2	106362	FL-7		† QJ-98L	† UE3807	Tint, Note 2
B	250K	1/2		R2-34				Brightness, Note 2
R6A	2.5meg	1/2	105204	AB-83	A47-2.5meg-S	QJ-239	TA255L	Noise
B	Shaft			Not Req.	FES-1/4	Not Req.	Not Req.	
R7A	1meg	1/2	105205	AB-59	A47-1meg-S	QJ-137	TA16L	Red Screen
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R8A	2meg	1/2	105206	AB-75	A47-2meg-S	QJ-139	TA28L	Red Background
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R9A	1meg	1/2	105205	AB-59	A47-1meg-S	QJ-137	TA16L	Blue Screen
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R10A	2meg	1/2	105206	AB-75	A47-2meg-S	QJ-139	TA28L	Blue Background
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R11A	1meg	1/2	105205	AB-59	A47-1meg-S	QJ-137	TA16L	Green Screen
B	Shaft			AK-1	FES-1	Not Req.	Not Req.	
R12A	2meg	1/2	105206	AB-75	A47-2meg-S	QJ-139	TA28L	Green Background
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R13A	15Ω	2(WW)	105207	WN-150	A58-15	Not Req.	Not Req.	Vert. Centering
B	Shaft			Not Req.	FES-1/4	Not Req.	MI00MPK	Focus
R14	100K	2(WW)	105208A					Horiz. Centering
R15	100Ω	2(WW)	105209					Sound Reject
R16	750Ω	1/2	105217					AGC
R17A	1meg	1/2	105211	AB-59	A47-1meg-S	QJ-137	TA16L	
B	Shaft			AK-1	FES-1/4	RQ	Not Req.	
R18	10K	1/2	106388					Sound Attenuation
R19A	250K	1/2	105203	AB-50	A47-250K-S	QJ-130	TA254L	Horiz. Drive
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R20A	500K	1/2	105210	AB-59	A47-500K-S	QJ-133	TA55L	Hi-Voltage Adjustment
B	Shaft			AK-1	FES-1/4	Not Req.	Not Req.	
R21	120Ω	1(WW)	106320					Blue Vert. Amp.
R22	120Ω	1(WW)	106320					Green Vert. Amp.
R23	120Ω	1(WW)	106320					Red Vert. Amp.
R24	80Ω	1(WW)	105059				PFL-60	Blue Vert. Tilt
R25	30Ω	1(WW)	106321					Green Vert. Tilt
R26	30Ω	1(WW)	106321					Red Vert. Tilt
R27	120Ω	1(WW)	106320					Left Horiz. B-2
R28	80Ω	1(WW)	105059				PFL-60	Right Horiz. R-G-4
R29	80Ω	1(WW)	105059				PFL-60	Left Horiz. R-G-4

* Use KB with CRL "blue label" controls and KR with "red label" controls.
 Note 1. Used in Ch. CTC7AA, AB, AC, AD. Ch. CTC7AE, AF, AH, AJ use Part #108554.
 Ch. CTC7AK, AL use Part #108553.
 Note 2. Used in Ch. CTC7AA, AB, AC, AD. Ch. CTC7AE, AF, AH, AJ use Part #108555.
 Ch. CTC7AK, AL use Part #108554.
 † "STA-LOC" Equivalent: FB152R, OF812, RU254L, IS825.
 ‡ "Concentric" Equivalent: K-8 Kit, Base Elements & Shafts: R17-208, P14-026 (Panel) R11-1301, R2-122 (Rear)

RESISTORS (cont)

ITEM No.	RATING		RCA Victor PART No.	NOTES	ITEM No.	RATING		RCA Victor PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R124	120K	2			R165	680Ω 5%			
R125	68K	1		Note 1	R166	47K			
R126	3.6Ω	1	106366		R167	1000Ω			
R127	22meg	2			R168	47K	1		
R128	22meg	2			R169	1500Ω	1		
R129	22meg	2			R170	150Ω			
R130	1meg	2			R171	6800Ω 5%	1		
R131	1.5meg 5%	1			R172	6800Ω 5%	1		
R132	1.5meg 5%	1			R173	4700Ω	1		
R133	10K				R174	1meg			
R134	50K				R175	15K	3	105224	
R135	100meg	1			R176	390K			
R136	47Ω				R177	1.5meg			
R137	4700Ω	2	522247		R178	390Ω 5%	2		
R138	33K 5%	2			R179	1meg			
R139	10meg				R180	15K	3	105224	
R140	47K				R181	390K			
R141	10K 5%				R182	1.5meg			
R142	1meg 5%				R183	1meg			
R143	8.2meg 5%				R184	15K	3	105224	
R144	12K				R185	390K			
R145	10K				R186	1.5meg			
R146	1000Ω				R187	270Ω 5%	3	106792	
R147	22K	2			R188	3000Ω 5%	7	106791	
R148	33Ω				R189	1500Ω 5%	3	106793	
R149	5600Ω				R190	2700Ω			
R150	1000Ω				R191	100K	2		
R151	10K 5%				R192	100K	2		
R152	120K 5%	1			R193	100K	2		
R153	39K 5%	4	105753		R194	100Ω			
R154	470K		106461	Note 2	R195	82Ω	1		
R155	270Ω 5%				R196	100Ω	1		
R156	270Ω 5%				R197	100Ω	1		
R157	470K				R198	100Ω	1		
R158	1meg				R199	1800Ω	10	102170	
R159	1800Ω				R200	1800Ω	10	102170	
R160	3.9meg 5%				R201	10K	1		
R161	1500Ω 5%				R202	820K			
R162	33K				R203	820K			
R163	15K	2			R204	39Ω			Note 1
R164	27K	2							

Note 1. Not used in some versions.
 Note 2. Resistors R154 and R157 are a matched pair.
 Note 3. Some versions may use 39meg in this application.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L1	47.25MC Trap	105306					
L2	41.25MC Trap	106391					
L3	1st Video IF	106385					
L4	FL Choke						
L5	2nd Video IF	106386					
L6	FL Choke						
L7	3rd Video IF	106387					
L8	RF Choke	100441	19-2864	BC-566	4622		12 Microhenries
L9A	4th Video IF	105284					
B	41.25MC Trap						
L10	RF Choke	105308	19-2864	BC-566	4622		12 Microhenries
L11	4.5MC Trap	105295					
L12	RF Choke	78466					
L13	Series Peaking Coil	102201	19-4080 *	TV-193 *	6110 *		1.8 Microhenries 62 Microhenries, wound on 1meg resistor
L14	Shunt Peaking Coil	104904	19-3180	TV-184	6180	VP-5	180 Microhenries
L15	Series Peaking Coil	102196	19-3180 A	TV-184 A	6180 A	VP-5 A	180 Microhenries, wound on 180Ω resistor
L16	Shunt Peaking Coil	104904					180 Microhenries
L17	Series Peaking Coil	105311	19-3250 *	TV-185 *	6181 *	VP-6 *	250 Microhenries, wound on 8200Ω resistor
L18	Series Peaking Coil	105255	19-3250 *	TV-185 *	6181 *	VP-6 *	250 Microhenries, wound on 15K resistor
L19	Series Peaking Coil	106378	19-3036	TV-180	6176	VP-1	36 Microhenries
L20	Shunt Peaking Coil	106377	19-3060	TV-193	6110		62 Microhenries
L21	RF Choke	100441	19-2864	BC-566	4622		12 Microhenries
L22	1st Sound IF	106381					
L23	2nd Sound IF	106382					
L24	Quadrature Coil	106383					
L25	Burst Amp. Trans.	105214					
L26	RF Choke	105250	19-2864	BC-566	4612		12 Microhenries
L27	1st Chroma Grid Coil	105212					
L28	1st Chroma Bandpass	105213					
L29	2nd Chroma Bandpass	105251					
L30	Series Peaking Coil	102248	19-3060	TV-205	6146		620 Microhenries
L31	Chroma Ref. Osc. Control Plate Coil	105216					
L32	Chroma Ref. Osc. Control Plate Trans.	105215					
L33	Series Peaking Coil	102248					620 Microhenries
L34	RF Choke	100441	19-2864	BC-566	4622		12 Microhenries
L35	RF Choke	100441	19-2864	BC-566	4622		12 Microhenries

* Parallel with 1meg resistor.
 † Parallel with 8200Ω resistor.
 ‡ Parallel with 1800Ω resistor.
 § Parallel with 15K resistor.

TRANSFORMER (HORIZ. OSC.)

ITEM No.	DC RES.	REPLACEMENT DATA					NOTES
		RCA Victor PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L36	87Ω	105197					
L37	45Ω	102195		TV-185		HS-7	Horiz. Freq. tapped @ 24Ω Horiz. Waveform

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA						
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000 Hz)	RCA Victor PART No.	Haldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L38	.440A	17Ω	.7 Hy.	105195						

COILS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA								
		RCA Victor PART No.	Haldorson PART No.	Merit PART No.	Miller PART No.	Ram PART No.	Rogers PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L39	Horiz. Linearity	105196								
L40	Right Horiz. B-1	105065								
L41	Right Horiz. R-G-1	105065								
L42	Right Horiz. R-G-2	105066								
L43	Conv. Yoke									
A	Green Coil	106319								
B	Blue Coil	106319								
C	Red Coil	106319								

TRANSFORMER (POWER)