

CABINET-REAR VIEW

DISASSEMBLY INSTRUCTIONS

TV CHASSIS REMOVAL

1. Remove 2 spring clips and 7 screws holding back cover. Disconnect the antenna and remove back cover from the cabinet.
2. Remove all front panel knobs. Disconnect picture tube socket, convergence plug, yoke plug, degaussing plug, remove plug (if used), and speaker leads.
3. Loosen, but do not remove, 4 hex head bolts which hold the tuner mounting assembly to the cabinet. Remove hex head screw on the upper right of the auxiliary control panel bracket.
4. Remove the tuner mounting assembly and fit the slots on the service position-mounting bracket over the 2 hex head screws on either side of the AC receptacle.
5. Remove 4 bolts holding chassis and remove chassis from cabinet.

PICTURE TUBE REMOVAL

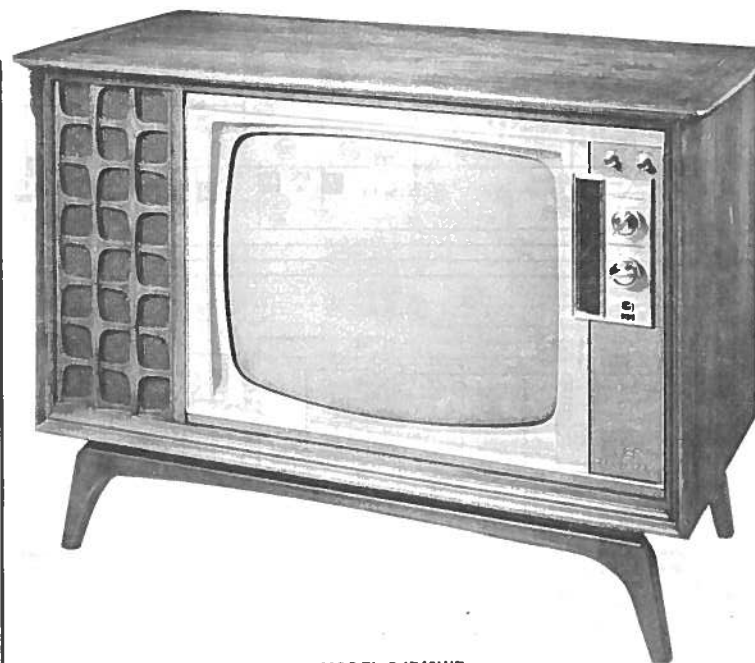
1. Follow "Chassis Removal" procedure. Lay set face down on a soft protective surface.
2. Remove convergence board from the cabinet and remove blue lateral assembly from the picture tube neck.
3. Loosen deflection yoke clamp screw and remove yoke from the picture tube neck.
4. Remove picture tube shield held by 4 mounting screws. Do not remove the picture tube grounding spring from the picture tube shield.
5. Remove 4 hex head bolts holding picture tube mounting bracket to mask. Using the picture tube mounting bracket as hand hold, lift the picture tube from the cabinet.

SET 936 FOLDER 2

RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

PHOTOFACT® Folder

with CIRCUITRACE™



MODEL GJ741WR

RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

COLOR TV

IMPORTANT FILING NOTICE

Some models covered by this PHOTOFACT Folder employ chassis in addition to the TV chassis. PHOTOFACT Folders covering these additional chassis are packaged immediately behind this Folder and should be filed with this Folder in the yellow filing jacket provided. For specific coverage see index below.

INDEX

Remote Receiver CTP12A, C,
Transmitter CRK10A SET 936, FOLDER 2-A

TRADE NAME	RCA Victor	Models	Chassis	Remote Control
		GJ733M/W, GJ737M/S/W, GJ741W	CTC28A	
		GJ745H/L, GJ749F/W/Y, GJ753S	CTC28A	
		GJ795WK, GJ797HK/LK, GJ799FK/SK, GJ801SK ..	CTC28A	
		GJ741WR, GJ745HR/LR, GJ753SR	CTC28B ...	CRK10A/CTP12A or C
		GJ795WRK, GJ797LRK	CTC28B ...	CRK10A/CTP12A or C
		HJ843W, HJ845H/L, HJ847S, HJ851F	CTC28AA ..	Combination Models
		HJ895WK, HJ896HK/LK	CTC28AA ..	Combination Models
SUPPLIER	For current address, see Annual Index.			
TYPE SET	Color Television Receiver			
TUBES	Twenty-Six			
POWER SUPPLY	110-120 Volts AC, 60 Cycles			
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)			
		TRANSISTORS	Three	
		RATING	315 Watts, 3.22 Amps. @ 117V AC	

SERVICING IN THE FIELD

SAFETY GLASS

The safety glass is an integral part of the picture tube.

FUSE OR FUSE DEVICE

A 3½" length of #26 fuse wire is used for filament protection. (For location, see F2 in photo "Chassis - Bottom View".)

A Circuit Breaker is used for low voltage power supply protection and may be reset by depressing the reset button. (See "Tube Placement Chart" for location.)

AGC

The AGC may be varied by means of an AGC control. (See "Tube Placement Chart" for location.)

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horizontal Sine Wave coil. (See "Tube Placement Chart" for location.)

FOCUS

The focus may be varied by means of a Focus control. (See "Tube Placement Chart" for location.)

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



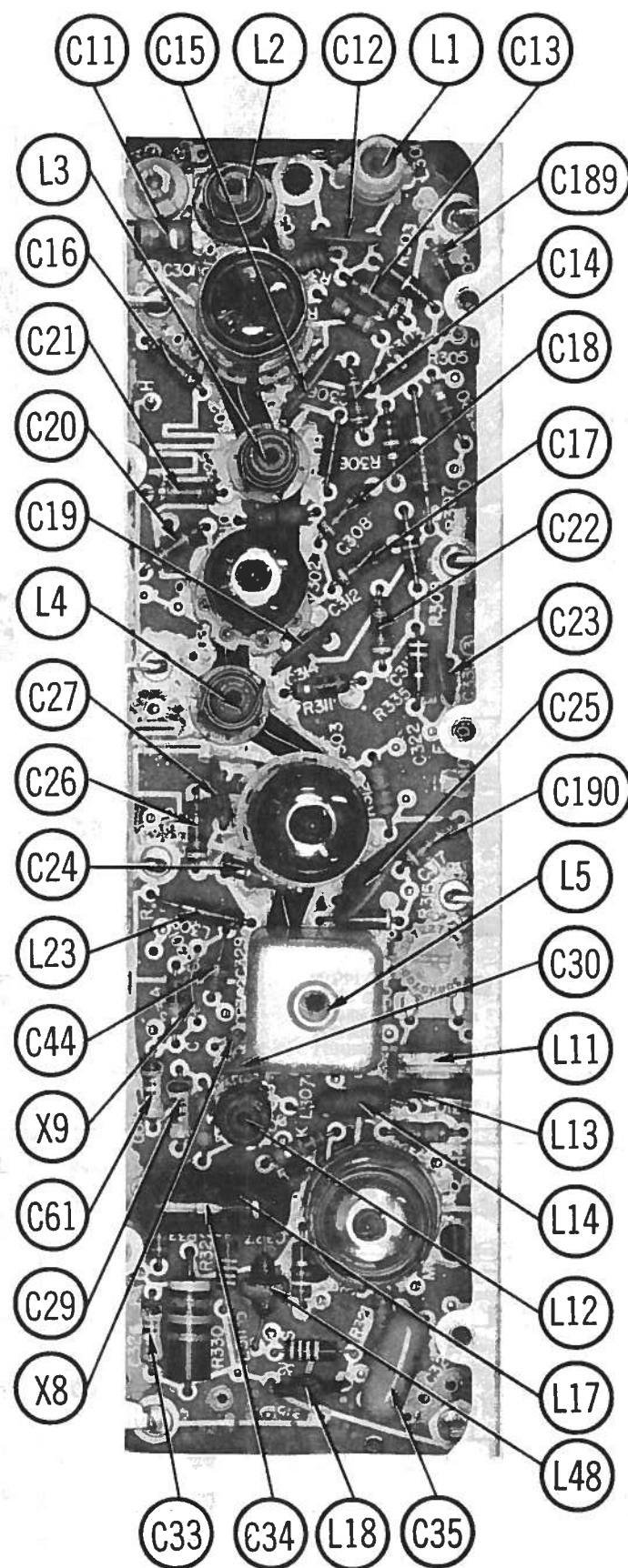
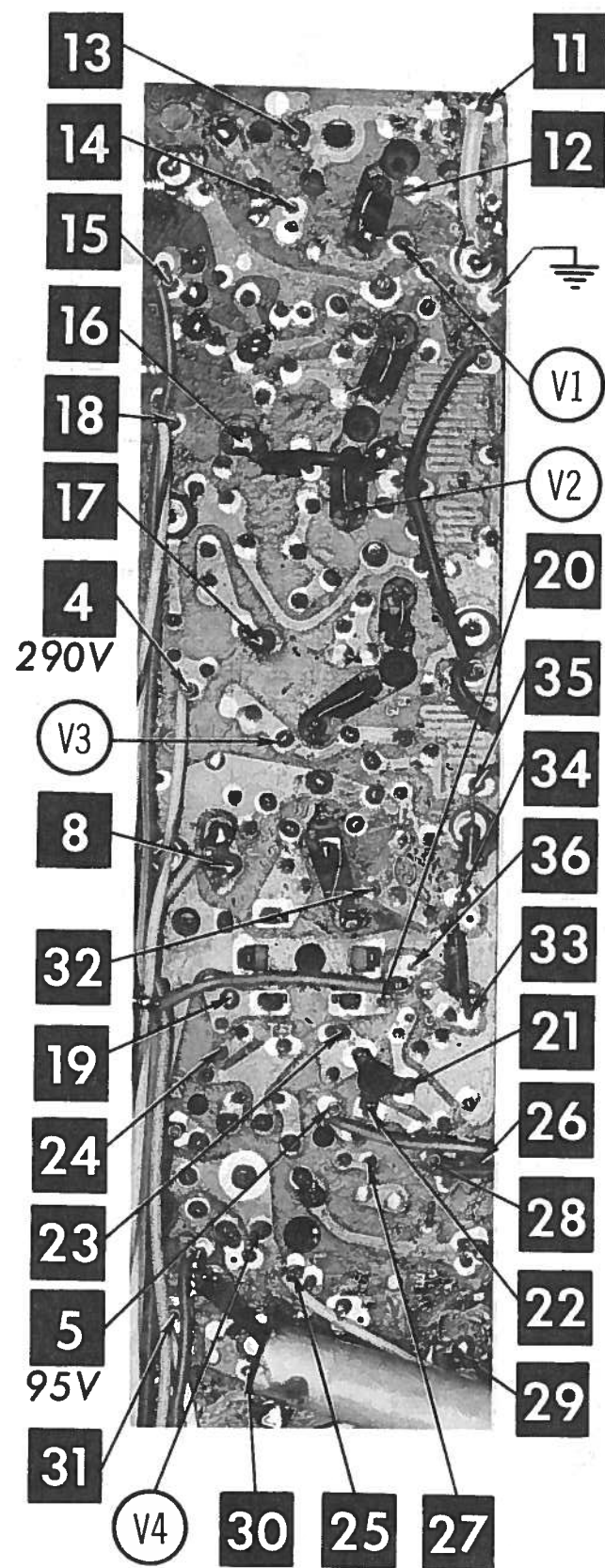
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SB555

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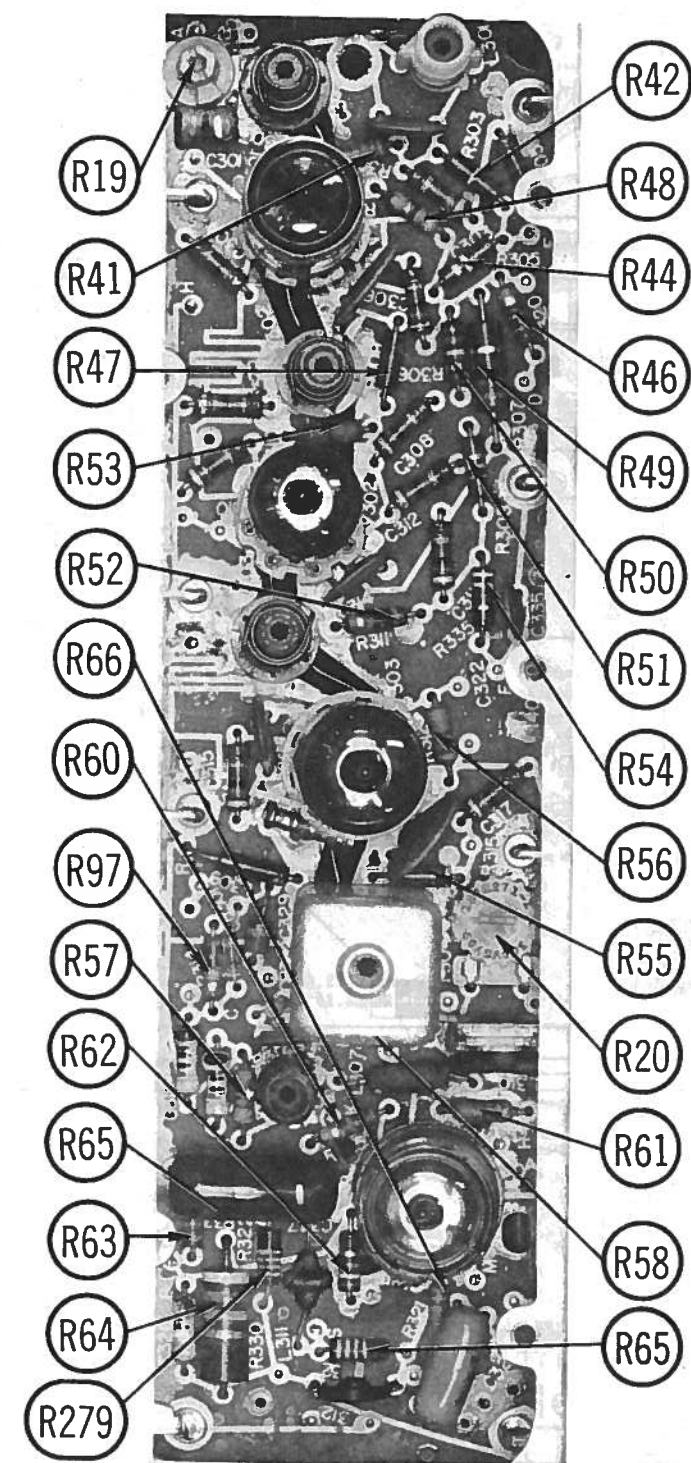
DATE 2 -68 SET 936 FOLDER 2

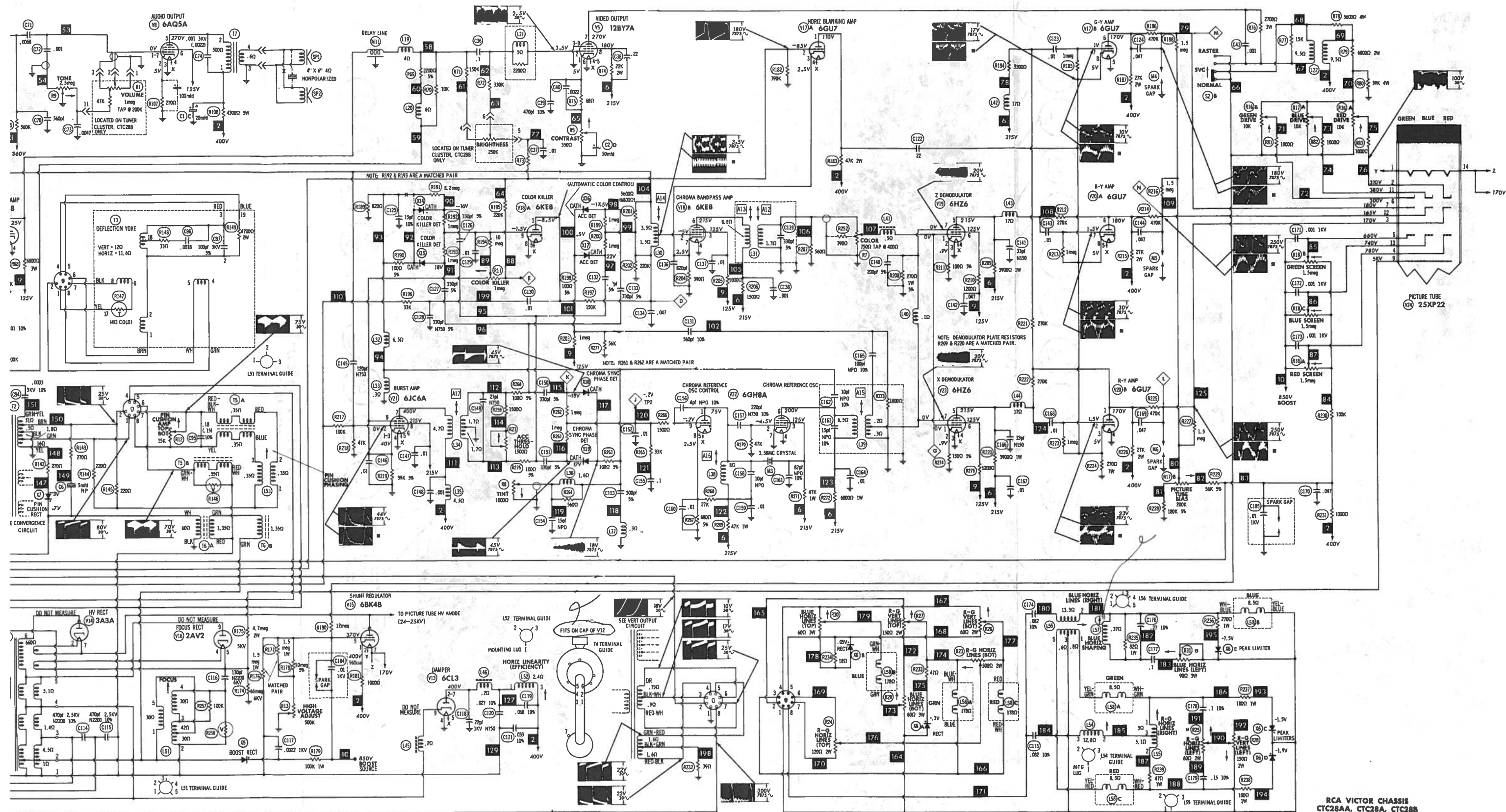
RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

SET 936 FOLDER 2



VIDEO IF BOARD





RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

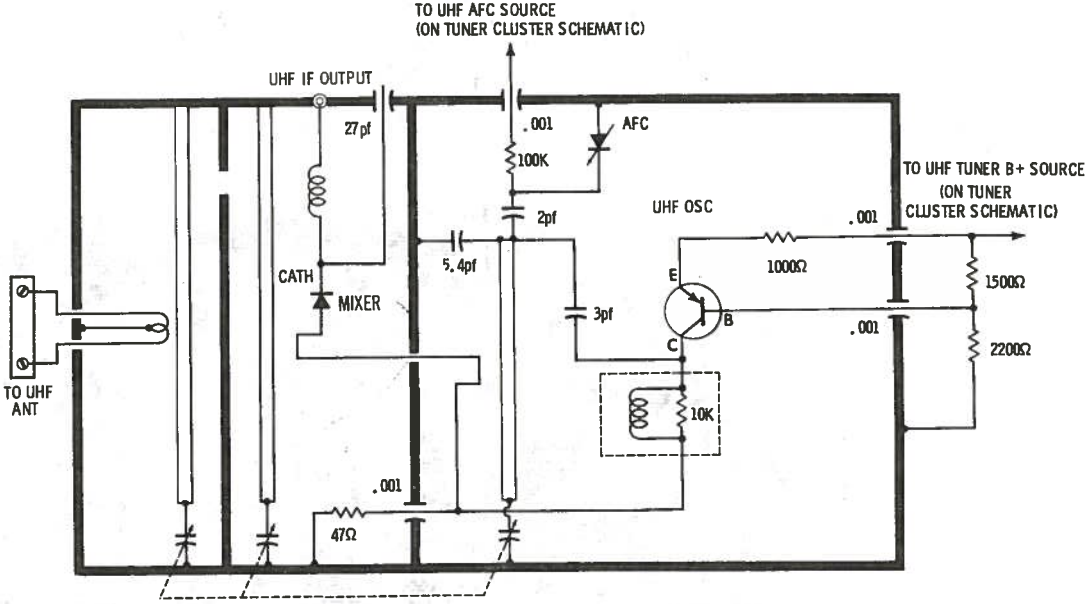
RESISTANCE MEASUREMENTS

ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP
V1	6JH6	340K	1550Ω	FIL	FIL	215Ω ▲	215Ω ▲	1500Ω						
V2	6GM6	87K	INF	FIL	FIL	4100Ω †	4100Ω †	68Ω ▲						
V3	6JC6A	180Ω	0Ω	180Ω	FIL	FIL	0Ω	3000Ω †	3000Ω †	0Ω				
V4	6LF8	0Ω	20K	4500Ω	FIL	FIL	22Ω	1200Ω *	32K †	8800Ω †				
V5	12BY7A	415Ω	520K	0Ω	FIL	FIL	FIL	6800Ω †	26K †	0Ω				
V6	6EW6	6Ω	270Ω	FIL	FIL	12.5K †	12K †	0Ω						
V7	6HZ6	5Ω	270Ω	FIL	FIL	600K †	6500Ω †	470K						
V8	6AQ5A	NC	270Ω	FIL	FIL	5000Ω †	3300Ω †	190K						
V9	6KA8	70K †	4.1meg	3000Ω	FIL	FIL	57K	480K	32K †	750K				
V10	6GF7A	0Ω	3meg	1625Ω	FIL	FIL	1000Ω †	NC	2.5meg †	550K				
V11	6FQ7/ 6CG7	27K	1.4meg	560Ω	FIL	FIL	65K †	210K	49Ω	0Ω				
V12	6JE6A	15K †	2.4meg †	0Ω	FIL	FIL	2.4meg †	15K †	945Ω	NC				5.3Ω ‡
V13	6CL3	NC	20Ω †	NC	FIL	FIL	NC	20Ω †	NC	480K				
V14	3A3A	PINS 1 THRU 8 HAVE INFINITE RESISTANCE												690Ω ‡
V15	6BK4A	1100Ω †	FIL	NC	NC	850K	NC	FIL	NC					INFINITE
V16	2AV2	NC	NC	NC	66meg	66meg	NC	NC	NC	5.3Ω ‡				
V17	6GU7	47K †	240K	390Ω	FIL	FIL	27K †	1meg	270Ω	0Ω				
V18	6KE8	350K	220K	4400Ω †	FIL	FIL	2780Ω †	390Ω	0Ω	1.3meg *				
V19	6HZ6	120Ω	100Ω	FIL	FIL	5150Ω †	4500Ω †	2Ω						
V20	6GU7	27K †	1meg	270Ω	FIL	FIL	27K †	1meg	270Ω	0Ω				
V21	6JC6	39K	32K	39K	FIL	FIL	0Ω	27Ω	1300Ω	39K				
V22	6GH8	20K †	47K	48K	FIL	FIL	7300Ω †	0Ω	680Ω	2meg *				
V23	6HZ6	120Ω	150Ω	FIL	FIL	5150Ω †	4500Ω †	.4Ω						
V24	25XP22	FIL	4700Ω †	420K †	550K †	550K †	4900Ω †	410K †	NC	71meg	NC	4900Ω †	430K †	
												PIN 13 600K †	PIN 14 FIL	
V201	6DS4	NC	18K †	NC	3.8meg	NC	NC	NC	0Ω	NC	FIL	NC	FIL	
V202	6KZ8	9500Ω †	290K	0Ω	FIL	FIL	42K †	41K †	42K †	50K †				
ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP

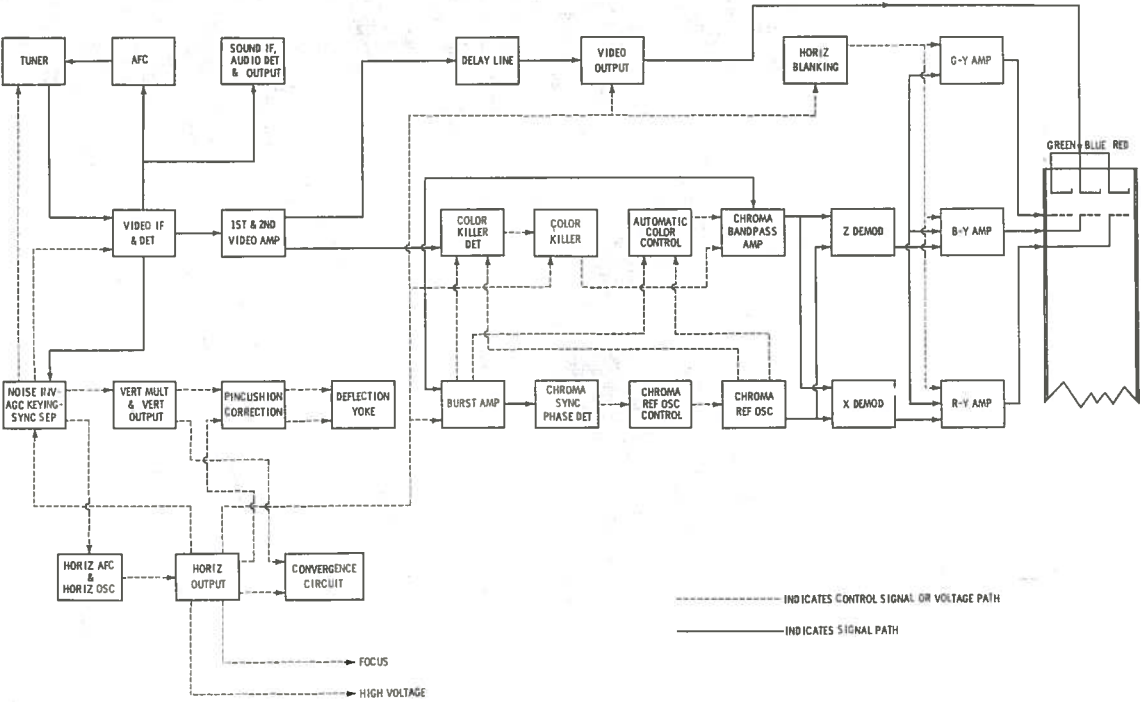
* READING DEPENDS ON POLARITY OF METER CONNECTIONS.
▲ MEASURED FROM PIN 2 OF V2.
† MEASURED FROM CATHODES OF X1 AND X4.
‡ MEASURED FROM PIN 9 OF V13.

NC NO CONNECTION

UHF TUNER KRK-132LA



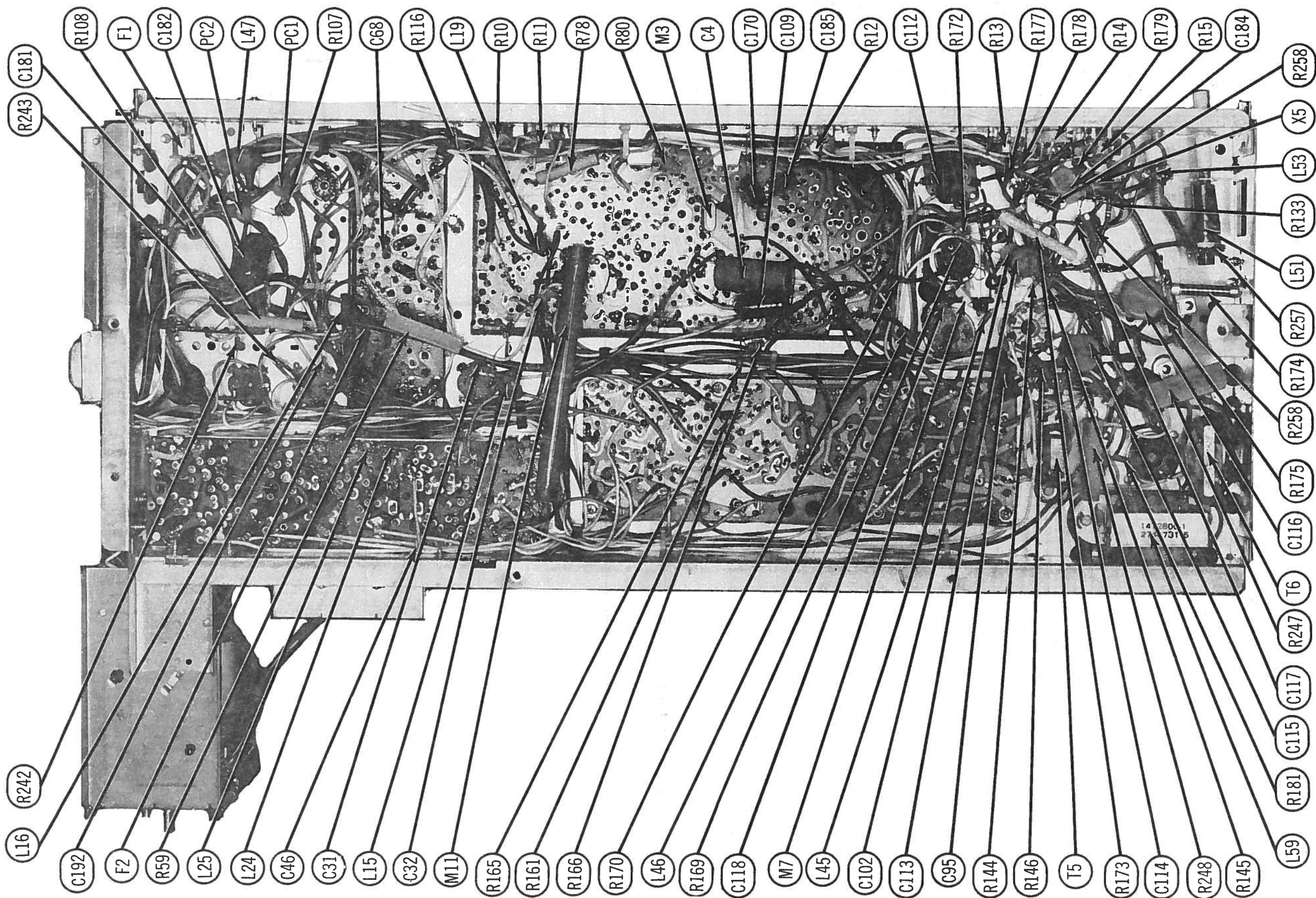
A PHOTOFAC STANDARD NOTATION SCHEMATIC
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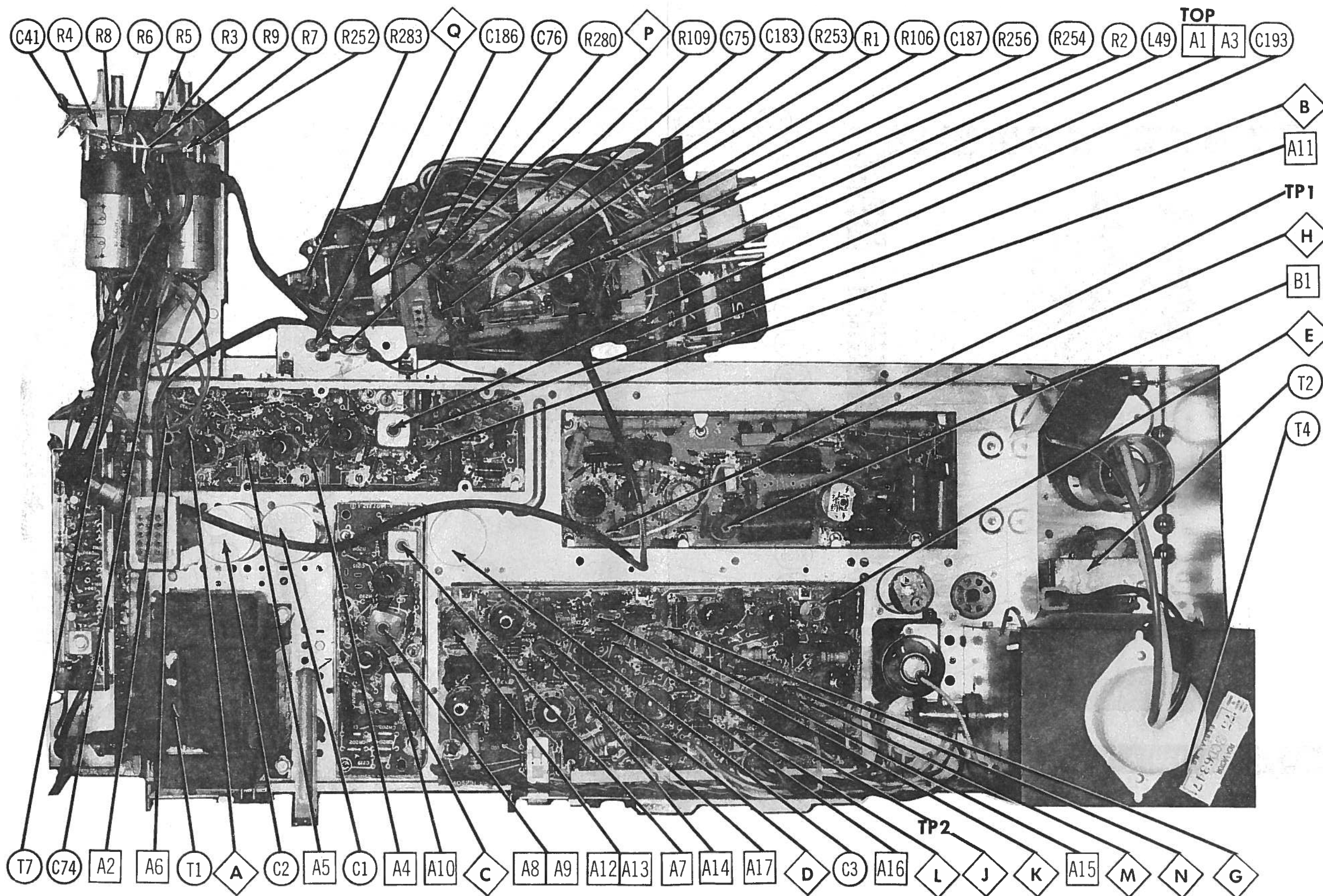
BLOCK DIAGRAM

RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

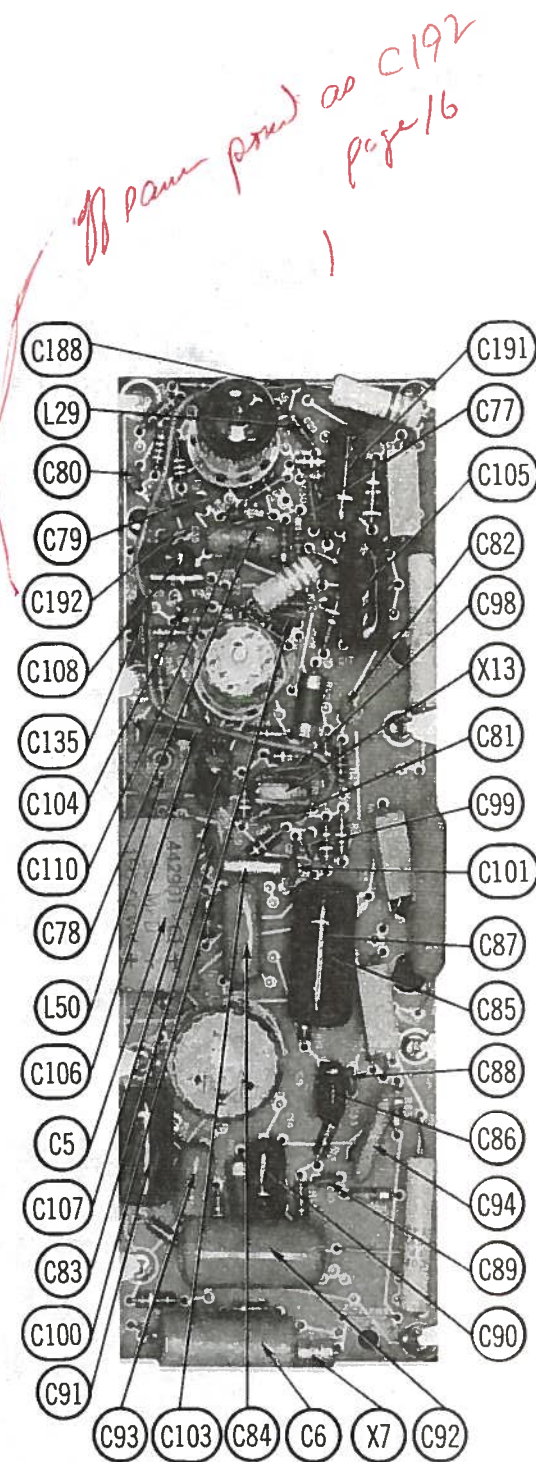
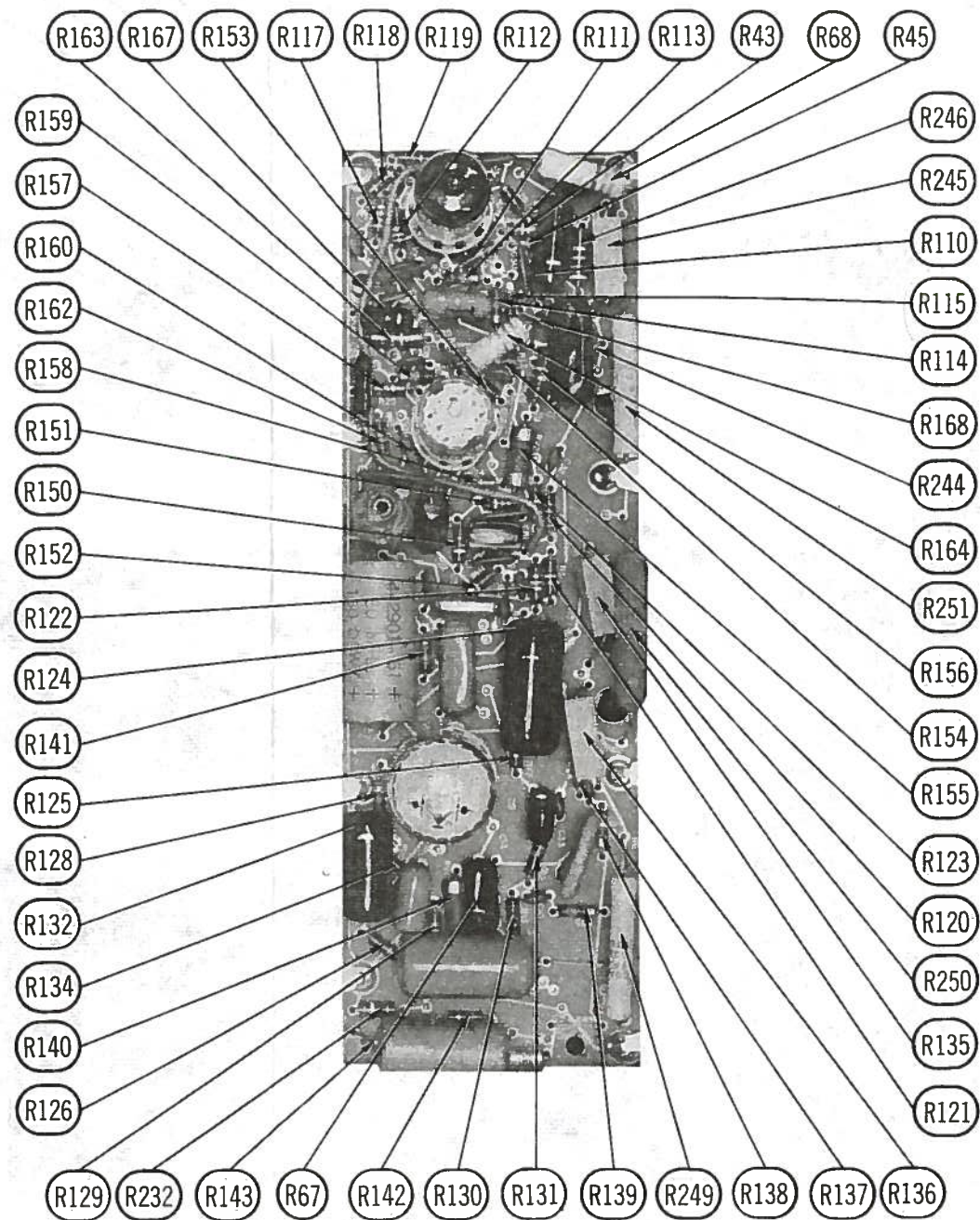
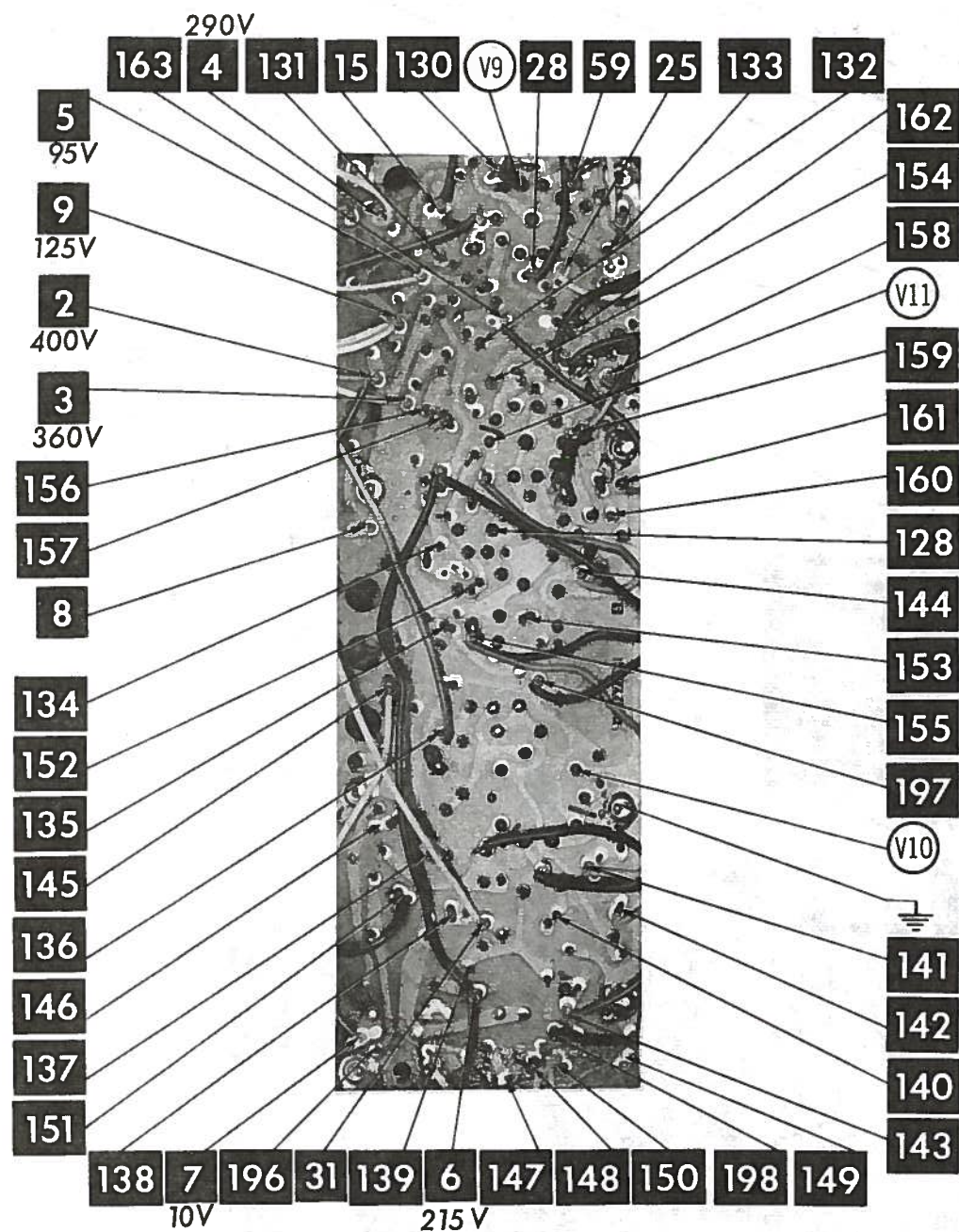
FOLDER 2



CHASSIS - BOTTOM VIEW



CHASSIS - TOP VIEW



DEFLECTION BOARD

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M1	VHF Tuner	KRK131C	
M2	VHF Tuner	KRK131B	
M3	VHF Tuner	KRK132JA, KA	
M4	UHF Tuner	KRK132LA	
M5	Crystal	105330	3.58MC
M6	Spark Gap	116636	
M7	Spark Gap	116636	
M8	Spark Gap	116636	
M9	Magnet	114650	
M10	Magnet	114648	
M11	Magnet	114698	
M12	Delay Line	119593	
M13	Degaussing Coil	122746	
M14	Motor	122746	
M15	Motor	122746	
M16	Motor	122416	
M17	Motor	119690	
S1	Switch	122416	
S2	Switch	122192	
S3	Switch	121553	
S4	Switch	119688	
S5	Switch	122298	
S6	Switch	115695	
S7	Switch	119692	
S8	Switch	119687	
S9	Switch		
S10	Switch		

Blue Lateral (Includes Top and Bottom)
Purity Ring
Pole Piece

Tun - Motor & Gear Train Assembly
(Includes Adapter Plate #122747 & Coupling #122745)
Color - Motor & Gear Train Ass'y (Includes above plate & coupling)
Volume - Motor/Gear Train Ass'y (Includes above plate & coupling)
UHF Tuning
UHF Pilot Lamp, Used in Chassis CTC28A/AA.
Normal-Service-Raster
UHF - AFC Defeat
UHF - AFC Defeat
On-Off, Remote and Chassis.
VHF Station Stop, Manual - Remote
UHF Station Stop, Manual - Remote
Program and Muting
VHF Defeat
VHF Defeat
Sound (Less Tubes) - PW200
Video Assembly (Less Tubes) - PW300
Deflection (Less Tubes) - PW500
Chroma (Less Tubes) - PW700
Convergence - PW800
Convergence - Complete Assembly (Includes Board, Cable & Coils)
AFC - PW1300
Channel Selector - PW1200

CAPACITORS

ITEM No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C301	.001		EF-001	MFT-1000		CCF-102	CT280A	
C302	5.4	N080 ±.25						
C303	2	NPO ±.25						
C304	3	NPO ±.25						
C305	.001	500V	EF-001	MFT-1000		CCF-102	CT280A	
C306	.001	500V	EF-001	MFT-1000		CCF-102	CT280A	
C307	.001	500V	EF-001	MFT-1000		CCF-102	CT280A	
C308	27	N750 10%						

RCA Victor Part Number

VHF TUNER PARTS LIST

TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V201	RF Amp.	6DS4	V202	Mixer - Osc.	6K28

VHF TUNER KRK131A

• AMPEREX • GENERAL ELECTRIC • RCA • SYLVANIA •

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	REMARKS	NOTES
Q201	AFC3527	AFC Diode					

CAPACITORS

ITEM No.	RATING	REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C201	27	N470 5%						
C202	27	N470 5%						
C203	27	N470 5%						
C204	27	N470 5%						
C205	47	N750 5%						
C206	680	500V						
C207	33	N750						
C208	27	N750 5%						
C209	2.7	500V 10%						
C210	8	NPO ±1						
C211	2-10							
C212	62	N1500 5%						
C213	39	N870 10%						
C214	.001	300V						
C215	.033							
C216	.001	300V						
C217	.001	300V						
C218	5	N470 5%						
C219	27	N150 10%						
C220	5	N470 5%						
C221	2	N220 10%						
C222	.001	500V						
C223	2	NPO 10%						
C224	27	N470 5%						
C225	.001	500V						
C226	47	N750 10%						
C227	.001	500V						
C228	680	500V						
C229	.001	500V						
C230	.001	500V						
C231	82	N150 5%						

RCA Victor Part Number

UHF TUNER PARTS LIST
TRANSISTORS

ITEM No.	ORIG. TYPE	USE	DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	REMARKS	NOTES
Q301	35449	UHF Oscillator					

UHF TUNER KRK-132K, J

REPLACEMENT DATA

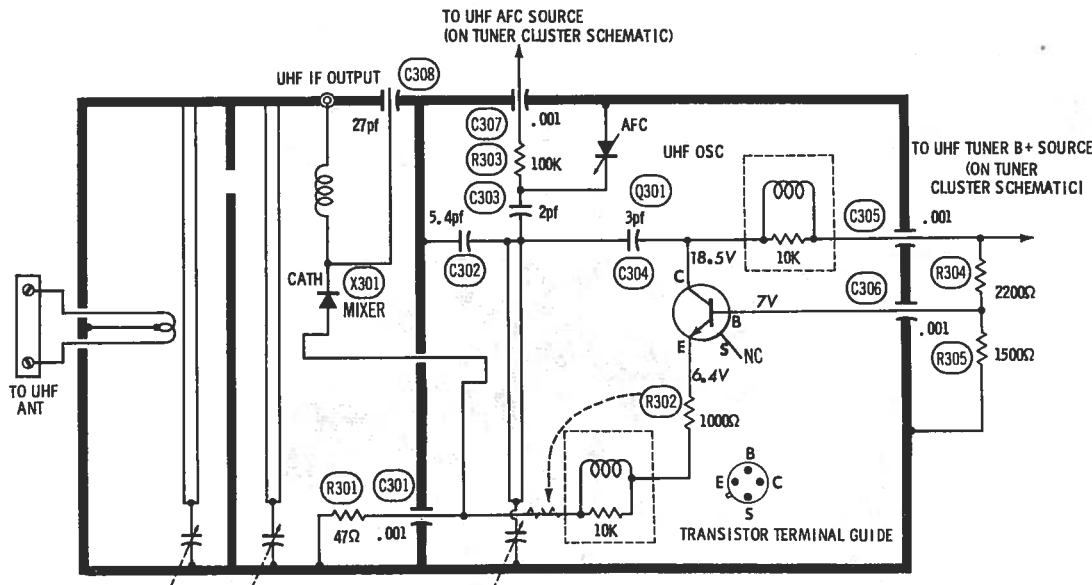
GENERAL ELECTRIC PART No. RECTIFIER

DELCO PART No. RECTIFIER

GE-11 TR-24 SK-3019 114267

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	SARKES TARZIAN PART No.
X301		119682 (A1024)				
X302		119661				



UHF TUNER KRK132JA, KA



PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		RCA Victor Part No.	MEISSNER Part No.	MERIT Part No.	MILLER Part No.	WORKMAN Part No.
L1	47.25MC Trap	115844			7553 †	TA280
L2	1st Video IF	109252	17-3418		7549	T272
L3	2nd Video IF	113547	17-3419		7552	TB844
L4	3rd Video IF	116458			7526	
L5	4th Video IF	112871			6037	
L6	45.75MC Trap	119599				
L7	45.75MC Trap	119598				
L8	45.75MC Trap	119600				
L9	AFC Discriminator	119601				
L10	RF Choke (12uh)	100441	19-2017	BC-566	72F125AP	TA820
L11	RF Choke (12uh)	105308	19-2018	BC-566	72F125AP	TA823
L12	4.5MC Trap	105295			7142	TA264
L13	Peaking (82uh)	113404	19-2030	BC-579	74F884AP	T358
L14	Peaking (36uh)	101819	19-3038	TV-180	6176	T301
L15	RF Choke (5.6uh)	116843	19-1008	SW-631	4609	T820
L16	Peaking (39uh)	103037	19-2028	TV-201	6134	T870
L17	RF Choke (1.8uh)	109248	19-2010	BC-562	74F186AP	T811
L18	Peaking (39uh)	113280	19-3375	TV-201	6134	T321
L19	Peaking (72uh)	77842	19-3075	TV-186	6172	T303
L20	Peaking (82uh)	109840	19-3060	TV-193	6110	T302
L21	Peaking (12uh)	100131 ①	19-3125 †	TV-195 †	6153 *	T307 *
L22	Service Transformer	122121	19-3330 †	TV-200 †	7802	T319 †
L23	RF Choke (12uh)	100441	19-2017	BC-566	72F125AP	TA820
L24	RF Choke (5.6uh)	109171	19-1008	SW-631	4609	T820
L25	RF Choke (1.8uh)	109248	19-2010	BC-562	74F186AP	T811
L26	1st Sound IF	109261	20-1052		7143	TF289
L27	2nd Sound IF	112870			7141	
L28	Quadrature	106383	20-1050		7110-R	TA265
L29	RF Choke (5.6uh)	109171	19-1008	SW-631	4609	T820
L30	Chroma Takeoff	119592			6039	
L31	Chroma Bandpass	114003			6042	
L32	Peaking (82uh)	117535	19-3075	BC-688	72F825AP	T339
L33	RF Choke (5.6uh)	119590	19-1008	SW-631	4609	T820
L34	Burst Amp.	114004			6043	
L35	Peaking (47uh)	114000	19-7047	BC-685	72F475AP	TC248
L36	RF Choke (10uh)	112887	19-2018	BC-566	74F105AP	T823
L37	RF Choke (1.8uh)	119589	19-2010	BC-562	74F186AP	T811
L38	3.58MC Osc. Control	112874			6040	
L39	3.58MC Output	119633				
L40	RF Choke (10uh)	112887	19-2018	BC-566	74F105AP	T823
L41	RF Choke (5.6uh)	109171	19-1008	SW-631	4609	T820
L42	Peaking (82uh)	109257	19-2030	TV-205	6146	T326
L43	Peaking (82uh)	109257	19-2030	TV-205	6146	T326
L44	Peaking (82uh)	109257	19-2030	TV-205	6146	T326
L45	Damper Choke (5.6uh)	109171	19-1008	SW-631	4609	T820
L46	Damper Choke (5.6uh)	109171	19-1008	SW-631	4609	T820
L47A	Line Choke (1.8uh)	109248	19-2010	BC-562	74F186AP	T811
L47B	Line Choke (1.8uh)		19-2010	BC-562	74F186AP	T811
L48	Peaking	100298				
L49	RF Choke (36uh)	109758 ②	19-3036 *	TV-180 *	6176 *	T301 *

① Wound on 2200Ω Resistor.
② Wound on 4700Ω Resistor.

COILS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA				
		RCA Victor Part No.	MERIT Part No.	MILLER Part No.	STANCOR Part No.	THORDARSON Part No.
L50A	Horiz. Oscillator Waveform	112866		6349		
L51	Focus	113999		6550		
L52	Horiz. Efficiency	122918				
L53	Pincushion Phase	114594		H-178		
L54	Dynamic Convergence Right R/G Vert. Lines (2mh-6mh)	114597		H-138		
L55	Dynamic Convergence Right R/G Horiz. Lines (1.7mh-6mh)	114598		H-139		
L56	Dynamic Convergence Right Blue Horiz. Lines (2.1mh-8.1mh)	116580		H-140		
L57	Blue Horiz. Shape	118245				
L58	Convergence Coils					
A	Blue	114630 (907270-501)				
B	Green	114630 (907270-501)				
C	Red	114630 (907270-501)				

FILTER CHOKE

ITEM No.	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	REPLACEMENT DATA					NOTES
				RCA Victor Part No.	MERIT Part No.	STANCOR Part No.	THORDARSON Part No.	TRIAD Part No.	
L59	.32A DC	16.4Ω	.54 H	112829 (1472800-1)	C-4133	C-2708	26C81	C-40X	

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA					NOTES
		RCA Victor Part No.	MERIT Part No.	STANCOR Part No.	THORDARSON Part No.	TRIAD Part No.	
T1	117VAC @ 3A AC @ .45A DC SEC. 3 6.3VAC @ 10.6A AC	115838 (908201-503)					

* TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		RCA Victor Part No.	MERIT Part No.	STANCOR Part No.	THORDARSON Part No.	TRIAD Part No.	
T2	Vert. Output	122118 (962792-9)					① Use original core clamp and housing.
T3	Yoke (Horiz. 13.4mh) 90° (Vert. 21mh)	114741 (906186-501)		DY-91AC ① ②		YC-312-2 ①	② Rotate yoke 180° (leads at top).
T4	Horiz. Output	115876 (906170-504)					
T5	Top & Bottom Pin-cushion	122119 (907265-503)					
T6	Side Pincushion	122120 (907264-504)					

* COMPONENT CONNECTION DATA

ORIGINAL → REPLACEMENT ↓	HV TRANSFORMER		VERTICAL OUTPUT		YOKE		YOKE PLUG							
	Original Connections		Original Connections		Original Connections		1	2	3	4	5	6	7	8
MERIT														
STANCOR														
THORDARSON														
TRIAD														

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	RCA Victor Part No.	MERIT Part No.	STANCOR Part No.	THORDARSON Part No.	TRIAD Part No.	
T7	14,400	3-4Ω	119170 (1472729-4)	A-2901	A-3823	24806	S-53X	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		RCA Victor Part No.	JENSEN Part No.	QUAM Part No.	
SP1	4" x 6" PM 6-8Ω	113038 ①		46A07Z10	① Models GJ733M/W, GJ737M/S/W, GJ741W/WR, GJ745H/L/HR/LR, GJ749F/W/Y, GJ753S/SR, GJ795WK/WRK, GJ797HK/LK/LRK, GJ799FK/SK, GJ801SK. ② Models HJ843W, HJ845H/L, HJ847S, HJ851F. ③ Models HJ895WK, HJ896HK/LK.
SP2	4" x 6" PM 6-8Ω	113038 ①		46A07Z10	
	9" x 15" PM 6-8Ω	111988 ② ③		57A1235	
	5" x 7" PM 32-36Ω	115873 ②	P5X7T40	3A05Z20	
	3 1/2" PM 18-22Ω	111987 ② ③			

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						WORKMAN PART No.
		PART No.		BUSS PART No.		LITTELFUSE PART No.		
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	
F1	Circuit Breaker, 1.75 Amp.	113950				8151.75		FA2
F2	3 1/2" length of #26 fuse wire	(945830-4) 102792						

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	RCA Victor Part No.	REPLACEMENT DATA
PC1	AC Isolation	2.2meg, 100pf	115436	Centralab RC428
PC2	AC Isolation	2.2meg, 100pf	115436	Centralab RC428

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Escutcheon Models GJ733M/W, GJ737M/W/S, GJ741W, GJ745L/H, GJ749F/W/Y, GJ753S, HJ843W, HJ845H/L, HJ847S, HJ851F	121452	Knob - VHF/UHF Channel Selector	121461
Escutcheon Models GJ741WR, GJ745HR/LR, GJ753SR	122033	Knob - Fine Tuning	121460
Escutcheon Models GJ795WK, GJ797HK/LK, GJ799FK/SK, HJ801SK, HJ895WK, HJ896HK/LK	122173	Knob - Volume, Brightness, On/Off	117587
Escutcheon Models GJ795WRK, GJ797LRK	122172	Knob - Color	121459
Knobs AM-FM Tuner	121638	Knob - Tint	121458
Tuning Function	120080	Knob - Auxiliary Controls	121462
Balance	122364	Models GJ733M/W, GJ737M/S/W, GJ741W, GJ745H/L/HR/LR, GJ749F/W/Y, GJ753S/SR, HJ843W, HJ845H/L, HJ847S, HJ851F	121450
Loudness, Bass, Treble	122365	Mask - Models GJ795WK/WRK, GJ797HK/LR/LRK, GJ799FK/SK, GJ801SK	122174
Speaker Selector	122188		

MISCELLANEOUS PARTS LIST ON PAGE 26

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

WIRING DATA

High Voltage Lead	Use BELDEN No. 8868 (25KV)
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 12 Colors 8524 (Stranded) Available in 12 Colors
300Ω Tuner Input Lead	Use BELDEN No. 8225
300Ω Antenna Lead-In	Use BELDEN No. 8275 (Foam Core) or 8285 (Foam Jacketed)
Antenna Rotor Cable	Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor 8485 (Round) - 5 Conductor 8488 (Round) - 8 Conductor

TUBES

ITEM No.	USE	TYPE	REPLACEMENT DATA			NOTES
			AMPEREX	GENERAL ELECTRIC	RCA	
V201	RF Amp.	6DS4				
V202	Mixer - Osc.	6KZ8				
V1	1st Video IF	6JH6				
V2	2nd Video IF	6GM6				
V3	3rd Video IF	6JC6A				
V4	1st Video Amp. - 2nd Video Amp.	6LF8				
V5	Video Output	12BY7A				
V6	Sound IF	6EW6				
V7	Audio Detector	6H2S				
V8	Audio Output	6AQ5A				
V9	AGC Keying - Sync Sep. - Noise Inverter	6KA8				
V10	Vert. Mult. - Vert. Output	6GF7				
V11	Horiz. AFC - Horiz. Osc.	6FQ7/6CG7				
V12	Horiz. Output	6JE8A				
V13	Damper	6CL3				
V14	HV Rectifier	3A3A				
V15	Shunt Regulator	6BK4A				
V16	Focus Rectifier	2AV2				
V17	Horiz. Blanking Amp. - G-Y Amp.	6GU7				
V18	Color Killer - Chroma Bandpass Amp.	6KE8				
V19	Z Demodulator	6HZ6				
V20	B-Y Amp. - R-Y Amp.	6GU7				
V21	Burst Amp.	6JC6				
V22	Chroma Ref. Osc. Control - Chroma Reference Osc.	6GH8				
V23	X Demodulator	6HZ6				

PICTURE TUBE

ITEM No.	USE	REPLACEMENT DATA			NOTES
		RCA Victor Part No.	GENERAL ELECTRIC Part No.	SYLVANIA Part No.	
V24	H25XP22		25AP22A ① †	H25XP22 ②	RE25AP22A ③ †

† It may be necessary to reverse Red and Green cathode leads for White balance.

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			DELCO Part No.	GENERAL ELECTRIC Part No.	RECTIFIER Part No.	RCA Part No.	
Q301	S1037	UHF Oscillator	DS-81	GE-11	TR-22		
Q1	2473	AFC Buffer Amp.	DS-81	GE-10	TR-21		
Q2	3528	AFC DC Amp.	DS-81	GE-10	TR-21		

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZ PART No.
X1	.240A	113998 (1N3195)	GE-504A	5A6-D or 18DB8A ①	1N2071 or FW800 ①	SK-3017A	F-6 or S-5959-3 ①
X2	.240A	113998 (1N3195)	GE-504A	5A6-D or 18DB8A ①	1N2071 or FW800 ①	SK-3017A	F-6 or S-5959-3 ①
X3	.240A	113998 (1N3195)	GE-504A	5A6-D or 18DB8A ①	1N2071 or FW800 ①	SK-3017A	F-6 or S-5959-3 ①
X4	.240A	113998 (1N3195)	GE-504A	5A6-D or 18DB8A ①	1N2071 or FW800 ①	SK-3017A	F-6 or S-5959-3 ①
X5		113391	GEGR-2	61-8968			S-879
X8		118244	GE-504A ②	CD-09 or 8D4 ②	A50 ② or 1N536 ②		40C ② or E-1 ②
X7		113998 (1N3195)	GE-504A	8D4 or 5A4-D	A100 or 1N537		F-4 or 40C
X8		112524 (1N80)	1N80	1N80			
X9		112524 (1N80)	1N80	1N80			
X10		112524 (1N80)	1N80	1N80			
X11		112524 (1N80)	1N80	1N80			
X12		119597					
X13		109474	6GC1	DD04			
X14		119596					
X15		119596					
X16		119596					
X17		119596					
X18		119596					
X19		119596					
X20		119504 ③		12M10T10 or Z-1012	ZA10A or 1N3020A		.25T10 or .4T10A
X21		116052	1N80	1N80			
X22		116052	1N80	1N80			

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C11	8 NPO	#121570	NPO-DI 8.2	TCZ-91	JBS801YP102K	CCD-102	GP210	10TCC-V82
C12	91 NPO 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C13	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C14	.001	#102237	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C15	680 N2200 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C16	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C17	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C18	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C19	220 N1500 10%	#112878	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C20	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C21	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C22	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C23	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C24	1.5 N3300	#103411	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C25	560 N1500 5%	#109142	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C26	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C27	.0022 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C28	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C29	10 NPO 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C30	100 N33 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C31	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C32	7 NPO 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C33	3.5 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C34	.1 400V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C35	.01 400V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C36	.1 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C37	.01		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C38	.22 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C39	.47 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C40	.0022 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C41	.270		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C43	.001	#119584	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C44	.51p		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C45	.001	#119595	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C46	.2	(.51)†	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C47	.82		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C48	36 NPO 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C49	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C50	10 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C51	33 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C52	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C53	15 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C54	91 NPO 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C55	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C56	.82		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C57	130 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C58	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C59	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C60	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C61	10 NPO 5%	#106384	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C62	5 N1500 5%	#112450	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C63	750 N2200 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C64	.01		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C65	.01		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C66	.01		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C67	.01		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C68	.47		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C69	.047 100V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C70	.560		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C71	.0088		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C72	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C73	.0047		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C74	.001 3KV 10%	(.0022)†	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C75	.033 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C76	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C77	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C78	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C79	.0033		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C80	150 NPO		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C81	.47 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C82	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C83	.0015		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C84	.033 600V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C85	.47 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C86	.0088 400V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C87	.0022		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C88	.680		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C89	.680		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C90	.0082 1000V	#109818	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C91	.1 600V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C92	.1 1KV		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C93	.047 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C94	.0033 3KV 10%	(.15)†	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C95	.18 200V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C96	.0018 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C97	100 3KV 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C98	68 NPO 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C99	820 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C100	820 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C101	27 N750		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C102	180 1KV 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C103	.1 100V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C104	.001 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C105	.15 200V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C106	390 N1500, 1.5KV, 5%	#109806	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C107	.01 200V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C108	.0015 500V 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C109	.1 600V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C110	.01 600V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C111	150 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C112	.1 600V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C113	68 N1500, 4KV, 10%	#112847	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C114	470 N2200, 2.5KV, 10%	#114602	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C115	470 N2200, 2.5KV, 10%	#114602	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C116	130 N2200, 6KV	#109229	DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C117	.0022 1KV		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C118	22 N750, 1KV		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C119	.088 200V, 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C120	.027 600V, 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C121	.033 600V, 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C122	.22 400V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C123	.01 600V		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C124	.047		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C125	15 10%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82
C126	330 5%		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TCC-V82

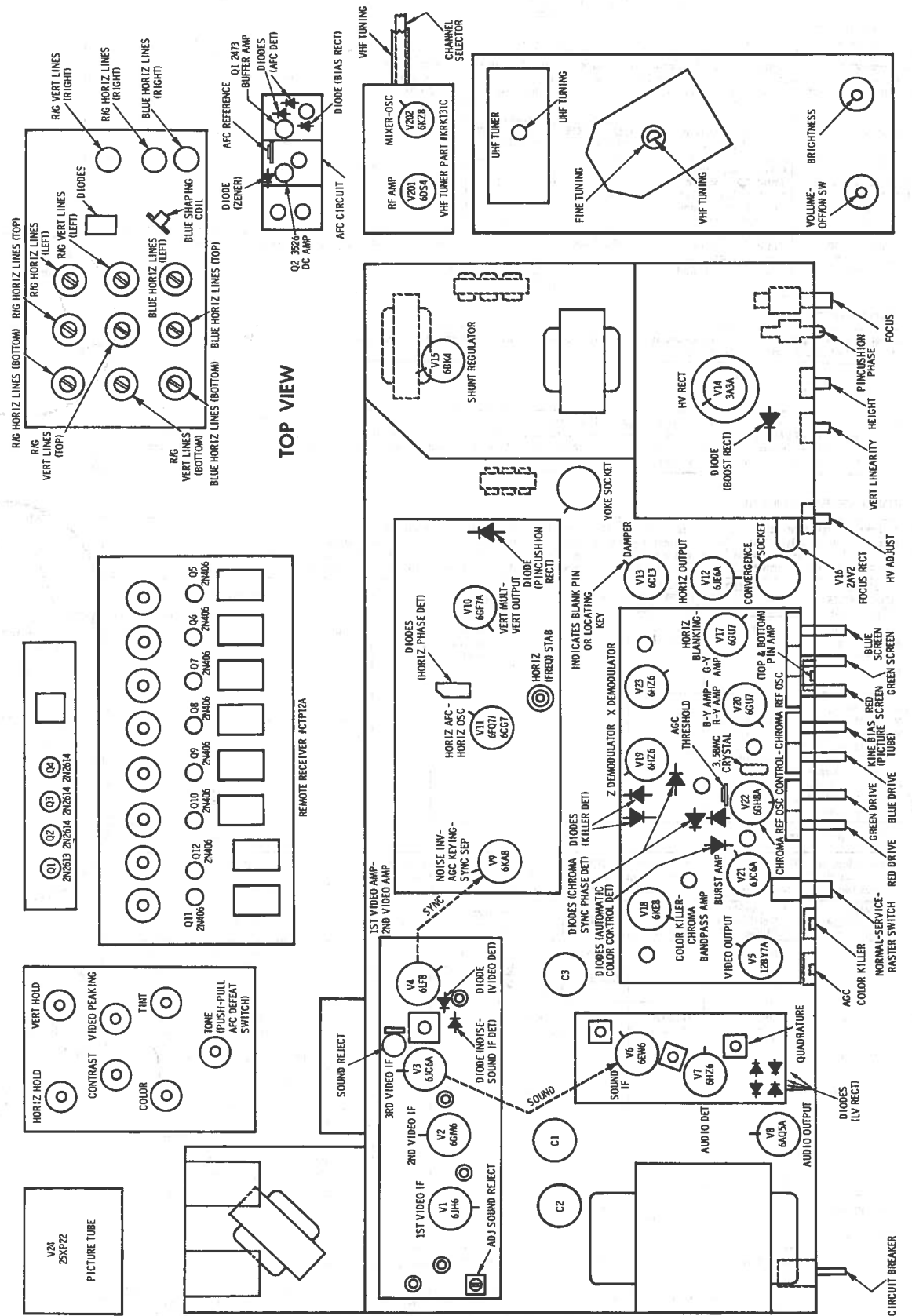
PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)
 Replacement parts shown may be superseded by the availability of newly introduced replacements.
 Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.
CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C127	330 5%	#109260	ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333	
C128	330 N750 5%		N750-DI 330	DTN-330		CCCTN-331	CN7333	10TCU-T33	
C129	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C130	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C131	560 10%		DI-560	DD-561	JBY601YP561K	CCD-561	GP356	10TS-T56	
C132	330 5%		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333	
C133	330 5%		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333	
C134	.047 200V			DDE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47
C135	680 5%			ADM-20-681	CPR-680J	CD19F681J500	DM-1-681J	SX368	MS-368
C136	820			DI-820	DD-821	JBY601YP821K	CCD-821	GP382	10TS-T82
C137	.01			DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10
C138	.001			DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TS-D10
C139	330 5%			ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333
C140	200 5%			ADM-15-201	CPR-200J	CD15F201J500	DM-15-201J	SX320	MS-32
C141	33 N150 10%	#105247				*		10TCP-Q33	
C142	.047 200V		DDE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47	
C143	.01 600V		DDE6S1	CPR-10000J	DMF6S1	6DP-1-103	PVC611	6PS-S10	
C144	.047		BPD-05	DD-503		CCD-503	GP150	5HK-550	
C145	120 N750			TCN-120		CCTN-121	CN7312	10TCU-T12	
C146	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C147	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C148	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TS-D10	
C149	27 N750 10%			TCN-27		CCTN-270	CN7427	10TCU-Q27	
C150	330 5%		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333	
C151	330 5%		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	SX333	MS-333	
C152	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C153	300 5%		ADM-15-301	CPR-300J	CD13F301J500	DM-15-301J	SX330	MS-33	
C154	15 NPO		NPO-DI 15	DTZ-15	CZ601CG15Q	CCTO-150	CN0415	10TCC-Q15	
C155	.1 200V	DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10		
C156	4 NPO 10%	#109260						10TCC-V38	
C157	220 N750 10%		N750-DI 220	DTN-220	CV601UJ221K	CCTN-221	CN7322	10TCU-T22	
C158	10 NPO		NPO-DI 10	DTZ-10	CZ601CG10Q	CCTO-100	CN0410	10TCC-Q10	
C159	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C160	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C161	82 NPO 10%			DTZ-82		CCTO-820	CN0482	10TCC-Q82	
C162	10 NPO 10%		NPO-DI 10	DTZ-10	CZ601CG10Q	CCTO-100	CN0410	10TCC-Q10	
C163	15 NPO 10%		NPO-DI 15	DTZ-15	CZ601CG15Q	CCTO-150	CN0415	10TCC-Q15	
C164	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C165	100 NPO 10%		NPO-DI 100	DTZ-100	CV601CG101K	CCTO-101	CN0310	10TCC-T10	
C166	33 N150					*		10TCP-Q33	
C167	.01		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-S10	
C168	.01 600V		DDE6S1	CPR-10000J	DMF6S1	8DP-1-103	PVC611	6PS-S10	
C169	.047		BPD-05	DD-503		CCD-503	GP150	5HK-550	
C170	.047 800V	DDE6S47		DMF6S47	6DP-3-473	PVC6147	6PS-S47		
C171	.001 1KV	DI-1000	DD-102	JBS801YP102K	CCS-102	GP210	5GA-D10		
C172	.001 1KV	DI-1000	DD-102	JBS801YP102K	CCS-102	GP210	5GA-D10		
C173	.001 1KV	DI-1000	DD-102	JBS801YP102K	CCS-102	GP210	5GA-D10		
C174	.082 400V 10%	DDE6S82		DPMS6S82	6DP-4-823		6PS-S82		
C175	.082 400V 10%	DDE6S82		DPMS6S82	6DP-4-823		6PS-S82		
C176	.27 75V 10%				2DP-4-254	PVC2025	2PS-P25		
C177	.1 200V	DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10		
C178	.1 100V 10%	DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10		
C179	.15 75V 10%	DDE4P15		DMF4P15	4DP-4-154	PVC6015	4PS-P15		
C180	.001 1KV	DI-1000	DD-102	JBS801YP102K	CCS-102	GP210	5GA-D10		
C181	680 1KV	DI-680	DD-681	JBY601YP681K	CCS-681	GP680	5GA-T88		
C182	.1 600V	DDE6P1		DMF6P1	6DP-4-104	PVC601	6PS-P10		
C183	.047 600V	DDE6S47		DMF6S47	6DP-3-473	PVC6147	6PS-S47		
C184	.01 1KV	DI-10000	DD-103			GP110	5GA-S10		
C185	.01 1KV	DI-10000	DD-103			GP110	5GA-S10		
C186	.1 200V 10%	DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10		
C187	.1 200V 10%	DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10		
C188	220 N1500 10%	#112878				*	2HV322		
C189	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TS-D10	
C190	.001		DI-1000	DD-102	JBS801YP102K	CCD-102	GP210	10TS-D10	
C191	.1 200V 10%		DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10	
C192	.001		DDE2P1	DD-102	JBS801YP102K	CCD-102	GP210	10TS-D10	
C193	.1 200V 10%		DDE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10	

AFC PRINTED BOARD

TUBE PLACEMENT CHART



ALIGNMENT INSTRUCTIONS

Use an isolation transformer and maintain voltage at 117 volts. Allow a 20-minute warm-up period for the receiver and test equipment.
Suggested Alignment Tools: A1 thru A6, A13 GENERAL CEMENT #8606, 8606L, 8889 .. WALSCO #2543, 2544, 2588
A7, A8, A9 and Mixer Plate Coil .. GENERAL CEMENT #9296, 9297, 9300 ... WALSCO #2510, 2546, 2547

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use only enough generator output to provide a usable indication. Note: Response may vary slightly from those shown.
Connect a variable bias supply to the IF AGC line (point \diamond) and adjust to obtain a response curve which shows no indication of overload. Disable Oscillator section of Mixer-Osc. Set the Channel Selector to any non-interfering channel.

INDICATOR	GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
1. Connect DC probe of a VTVM thru a 47K resistor to point \diamond . Common to ground.	Connect high side to Point \diamond , Mixer Test point on VHF tuner. Low side to ground.		41.25MC 47.25MC	A1, R20 A2, R19	Adjust for MINIMUM.
2. Connect vertical input of a scope to point \diamond . Low side to ground.	Connect high side to Point \diamond , Mixer Test point on VHF tuner. Low side to ground.	44MC (10MC Sweep)	41.25MC 42.17MC 42.75MC 45.00MC 45.75MC 47.25MC	A3 A4 A5 A6, Mixer Plate Coil	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.

4.5 MC TRAP ALIGNMENT

Tune in a strong TV signal and set the Contrast at maximum. Adjust the Fine Tuning until a beat pattern is visible on the screen. Adjust A11 for MINIMUM beat interference.

SOUND IF ALIGNMENT

Connect a VTVM through a detector probe to Point \diamond . Low side to ground. Tune in a TV station and adjust A7, A8, and A9 for maximum deflection. Remove VTVM. Reduce the signal at the antenna terminals until distortion occurs in the sound. Adjust A10 clockwise from fully out position to the second peak for maximum sound. Continue to reduce the signal and adjust A10 for MINIMUM distortion and maximum sound until no further improvement can be made.

CHROMA BANDPASS ALIGNMENT

The following alignment will require the use of an RF Modulator (RCA WG304A or equivalent).
Connect -2 volt supply to point \diamond . Connect a -15 volt supply to point \diamond . Connect a -15 volt supply to point \diamond . Positive of all supplies to ground. Connect a jumper from point \diamond to ground. Turn the color intensity to maximum. Remove the Horizontal Output tube and connect a 2000 Ω , 100-watt resistor from 400 volts source to ground.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
4. High side thru .1mfd to grid of V18, Chroma Bandpass Amp. Low side to ground.	3.58MC (3-5MC Sweep)	3.08MC 4.08MC		Vert. Amp. thru Detector Probe to pin 1 of demodulators point \diamond . Low side to ground.	A12 A13	Adjust for response curve similar to Fig. 2.
5. High side of sweep gen. to Video Sweep Input of RF modulator. High side of signal gen. (set at 45.75MC) to picture carrier input. Output of RF modulator to mixer grid test point on tuner. Low side to ground.	Sweep Generator to 3MC (8MC Sweep)	"	"	"	A14	Adjust for response curve similar to Fig. 3. If necessary, retouch A12 to flatten top of response.

TUNER AFC ALIGNMENT

Suggested Alignment Tools: A17, A18, A19, A20 ... GENERAL CEMENT #9296, 9297, 9300 .. WALSCO #2510, 2546, 2547
Turn AFC switch off. Connect a jumper from point \diamond to ground. Connect a -15 volt supply to point \diamond , positive of supply to ground. Disconnect the lead at point \diamond . NOTE: RF and IF Alignments must be CORRECT before attempting AFC Alignment.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
6. Not used	Not used	Not used	Any non-interfering channel	Connect DC probe of VTVM alternately on points \diamond and \diamond . Low side to ground.	AFC Adjust R20	Adjust AFC Reference control for equal voltage at points \diamond and \diamond approximately +5VDC).
7. High side thru .001mfd to Mixer Grid test point \diamond on VHF tuner. Low side to ground.	40MC (10MC Sweep)	41.25MC 45.75MC	"	Connect input of Scope to point \diamond . Low side to ground.	A18, A19, A20, A21	Preset A18 core flush with top of coil. Adjust A19, A20 and A21 for response curve similar to Fig. 4. A19 and A20 are adjusted for amplitude and flatness of response. A21 is adjusted to place marker as shown.
8. "	"	45.75MC	"	"	A18	Adjust A18 from fully out position clockwise until area "A" in Fig. 4 is at MINIMUM width and starts to increase again. Then turn A18 slug counterclockwise two full turns and stop. If necessary, retouch A21 to position 45.75MC marker as shown in Fig. 4.

NOTE: Recheck overall IF response. Touch up A1 and A3 if necessary.

AFC OPERATIONAL CHECK

Disconnect all test equipment and return set to operating condition. Tune in a TV station, preferably on a low channel with a color broadcast. Adjust set for normal operation.
Turn AFC on. Turn fine tuning clockwise until AFC fails to lock in. Then turn fine tuning counterclockwise to point where AFC just locks. Turn AFC off. Connect test lead from shield of 1st Video tube (6LF8) to RF input of signal generator for zero beat frequency check. Zero beat should occur from .75MC to 1MC above 45.75MC (46.5MC to 46.75MC). If frequency is higher, adjust A18 1/4 turn clockwise and recheck AFC lock-in point.
To check low side of AFC lockin, turn AFC on. Turn fine tuning counterclockwise until AFC fails to lock in (loss of color of picture smears). Then fine tune clockwise until AFC locks in. Check zero beat frequency. It should be .75MC to 1MC below 45.75MC (45MC to 44.75MC). Repeat alignment procedure and recheck lockin, if necessary.

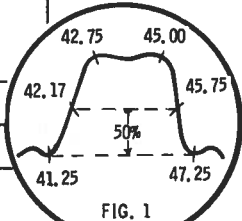


FIG. 1

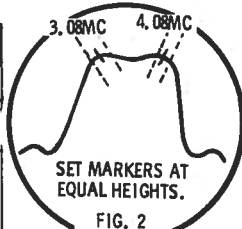


FIG. 2

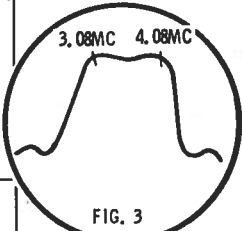


FIG. 3

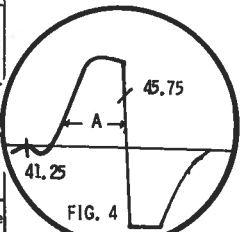


FIG. 4

MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Connect:
A 0-500ma meter in series with cathode lead of horizontal output tube.
A .47mfd capacitor across meter.
A 0-1500 microammeter in series with the cathode lead of the HV regulator tube or a VOM across R181.
A VTVM thru a high-voltage probe to picture-tube anode connector. Point \diamond to ground.
A short across horizontal oscillator cathode coil (pin 8 to ground).

Tune in a TV station and set all controls for normal operation. Adjust the Horizontal Hold control until the picture "floats" with the blanking bars vertical. Remove the short from the Horizontal Oscillator Cathode and adjust B1 until the picture "floats" horizontally. Remove the short from point \diamond . Adjust the Horizontal Linearity Coil for MINIMUM current in the horizontal output tube (should not exceed 235ma).

Adjust the High-Voltage control for 25KV on picture-tube anode with MINIMUM brightness. Check the high-voltage regulator current. The current should not be less than 960 microamperes or .96 volts on VOM. If current is less than 960 microamperes or .96 volts on VOM, turn the Horizontal Linearity slug one-half turn clockwise (optimum 1350 microamps or 1.35 volts on VOM). Check to see that horizontal output current does not exceed 235ma. If foldover occurs in picture, adjust Horizontal Linearity clockwise to eliminate foldover while checking to make sure horizontal output current does not exceed 235ma.

COLOR AFC ALIGNMENT

Suggested Alignment Tools:
A15, A16, A17 GENERAL CEMENT #8606, 8606L, 8889
WALSCO #2543, 2544, 2588

Set the Color Killer control to fully counterclockwise. Set the Tint control to the center of its range. Connect a color bar generator to the antenna terminals. Adjust receiver for normal color reception. Short pin 2 of Burst Amp., V21, to ground.

Connect DC probe of VTVM through 470K to point \diamond . Adjust A15 for maximum deflection on VTVM. If no reading is obtained, oscillator is not operating. Adjust A16, to start oscillator, then adjust A15 for maximum. Remove the short from pin 2 of Burst Amp. Adjust A17 for maximum deflection on VTVM. Make sure the oscillator is running and locked in.

Short point \diamond to ground. Remove VTVM. Adjust A16 until color bars stand still or drift slowly. Remove the short from point \diamond and check to see that the color bars will "sync" with a low level input signal. If necessary, retouch A16 for best hold.

Connect the vertical input of a scope to point \diamond . Check for proper waveform with the color bar generator being used. See waveform on schematic for pattern obtained from a standard NTSC signal. Check the range of the Tint control. The bars should move 30° either side of proper signal. If necessary, retouch A17 for proper range of control.

Check for proper waveform at G-Y and B-Y outputs (points \diamond and \diamond). Tune in a weak signal or reduce the signal at the antenna terminals to obtain a snowy picture. Adjust the Color Killer control to eliminate the color in the snow. Check with a color signal to make sure the killer is not eliminating picture coloring.

AGC ADJUSTMENT

Tune in a strong TV station and advance the AGC control until instability appears in the picture (pulling, jitter, overload, etc.). Reduce the control to the point just below the instability and check all available stations for proper AGC action.

CONVERGENCE ADJUSTMENTS

Step	Control	Use to Converge (or Straighten)	Remarks
1.			Perform Center Dot Convergence using convergence magnets. See Fig. A.
2.	R-G Vertical Lines, Top	Red and Green Vertical bars at top of screen.	Touch up both controls for best convergence from top to bottom along vertical center line (Fig. B).
3.	R-G Vertical Lines, Bottom	Red and Green Vertical bars at bottom of screen.	
4.	R-G Horizontal Lines, Top	Red and Green Horizontal bars at top of screen.	Touch up both controls for best convergence of horizontal bars along vertical center line (Fig. B).
5.	R-G Horizontal Lines, Bottom	Red and Green Horizontal bars at bottom of screen.	
6.	Blue Horizontal Lines, Top	Blue Horizontal bars at top of screen.	Touch up both controls for best convergence of horizontal bars along vertical center line (Fig. C).
7.	Blue Horizontal Lines, Bottom	Blue Horizontal bars at bottom of screen.	
8.			Perform Center Dot Static Convergence (Fig. A).
9.	Blue Horizontal Lines, Right	Blue Horizontal bars at right side of screen.	Touch up both controls for best convergence along horizontal center line (Fig. D).
10.	Blue Horizontal Lines, Left	Blue Horizontal bars at left side of screen.	
11.	R-G Vertical Lines, Right	Red and Green Vertical bars at right side of screen.	(Fig. E)
12.	R-G Horizontal Lines, Right	Red and Green Horizontal bars at right side of screen.	Use control to converge blue bar with red and green bars on right side of screen (Fig. E).
13.	R-G Vertical Lines, Left	Red and Green Vertical bars at left side of screen.	(Fig. E)
14.	R-G Horizontal Lines, Left	Red and Green Horizontal bars at left side of screen.	Use control to converge blue bar with red and green bars at left side of screen (Fig. E).

PURITY ADJUSTMENTS

Perform Step 1 of "Convergence Adjustments". If the picture tube appears to be magnetized, use a degaussing coil to demagnetize tube and mounting brackets.

Move "Raster-Service-Normal" switch to Raster position. Connect the Blue and Green grids of the picture tube through individual 100K resistors to ground. Loosen the deflection yoke and move it rearward until it is against the convergence yoke assembly.

Adjust the tabs on the Purity magnet and rotate the assembly until a red spot appears at the center of the picture tube. Slide the deflection yoke forward to obtain a uniform red over entire picture tube face. A low power microscope is useful to observe the beam landings.

GRAY SCALE ADJUSTMENTS

Tune in a black-and-white picture or a color picture with the color control set at MINIMUM. Set the Brightness and Contrast controls to midrange. Turn the Kine Bias control to MINIMUM (counterclockwise). Turn the Red, Green and Blue Screen controls to MINIMUM. Move the "Raster-Service-Normal" switch to the service position. Advance the screen controls one at a time until each produces a barely visible line.

If one or more controls fail to produce a line, leave that screen control at maximum and advance the Kine Bias control until a barely visible line appears, then readjust the other two screen controls for a barely visible line. Move the "Raster-Service-Normal" switch to the Raster position. Set the Brightness control to maximum. Adjust the Red, Green and Blue Drive controls to produce a grey raster. Return the "Raster-Service-Normal" switch to the normal position. Set the Brightness and Contrast controls for a normal picture. Check picture from low lights to high lights throughout the useable brightness range.

WIDE BLUE FIELD CORRECTION

The Wide Blue Field adjustment is set at the factory. If adjustment is necessary due to the blue field overscanning the red and green, loosen the yoke-holding screws, then adjust the "Wide Blue Field" screw to adjust the width of the blue field. This adjustment is on the bottom of the yoke assembly and adjusts the yoke vertically for proper blue beam scan.

DYNAMIC PINCUSHION ADJUSTMENTS

The Side Pincushion is a fixed correction and no adjustments are provided on this chassis. Top and Bottom Pincushion is factory adjusted and readjustment is seldom needed. If necessary, top and bottom Pincushion may be corrected by adjusting for straight horizontal lines at the top and bottom of the screen.

Connect a crosshatch generator to the antenna terminals and adjust the set for a normal crosshatch pattern. Turn the Top and Bottom Pincushion Amp. control, R12, fully counterclockwise.

Adjust Pincushion Phase coil, L53, to move curvature to the center of the screen. Readjust Top and Bottom Pincushion Amp. control for straight horizontal lines at top and bottom of the screen. Repeat above steps if necessary.

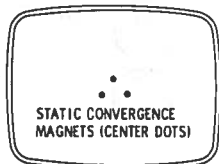


FIG. A

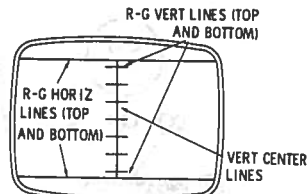


FIG. B
(RED AND GREEN ONLY)

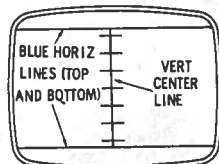


FIG. C
(BLUE BARS)

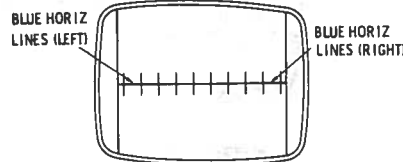


FIG. D
(BLUE BARS)

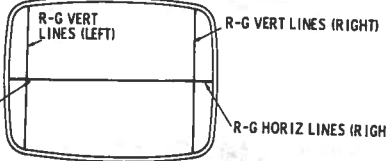
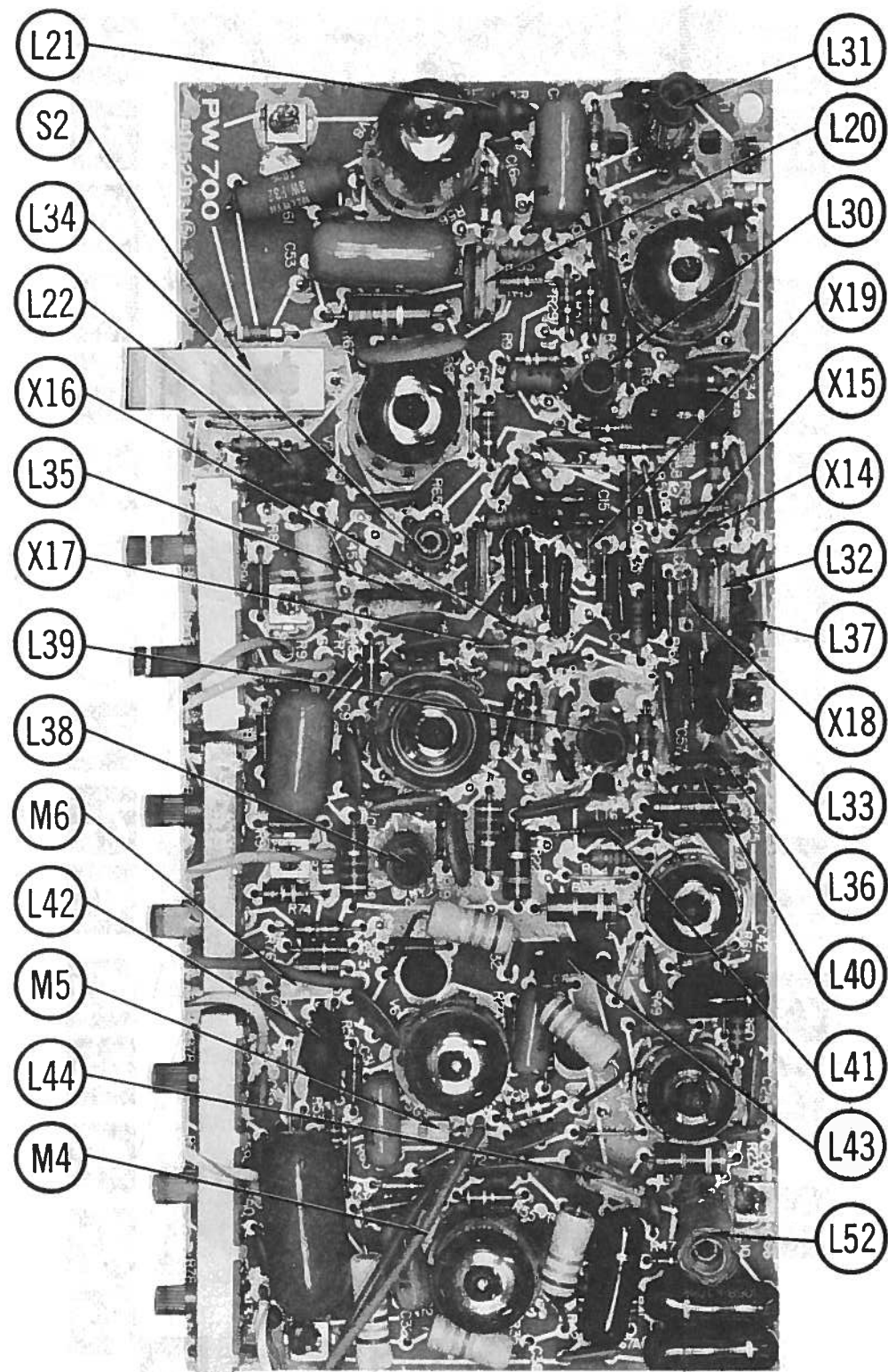


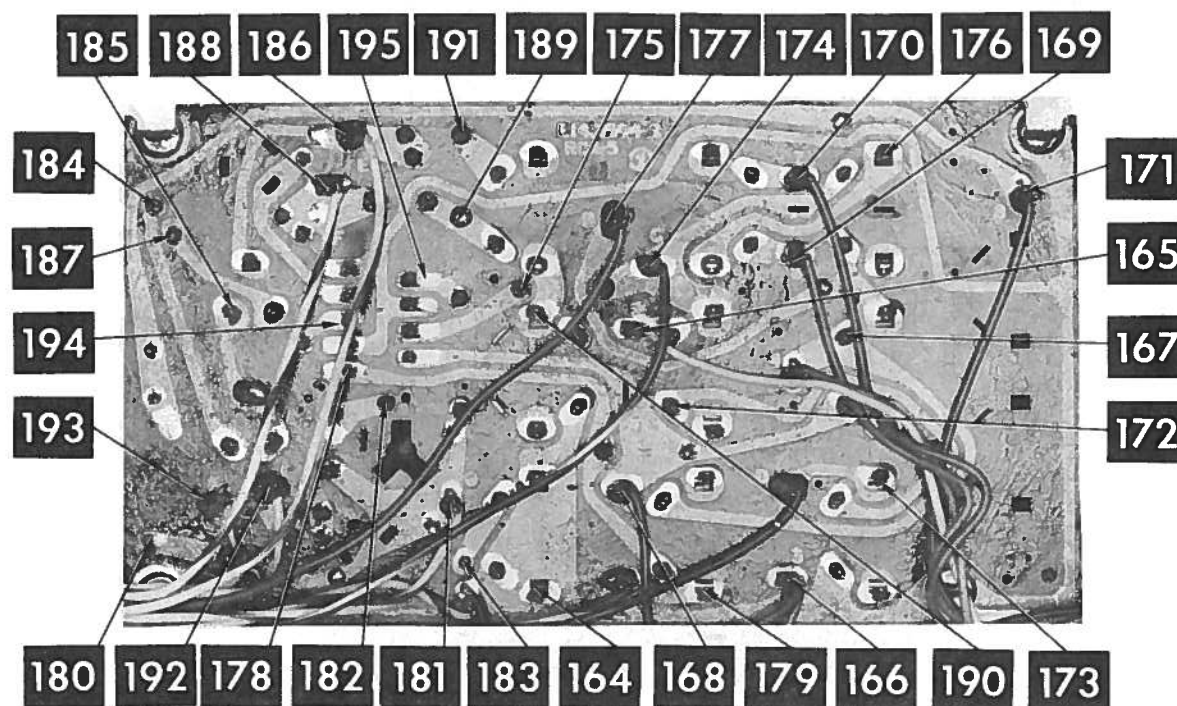
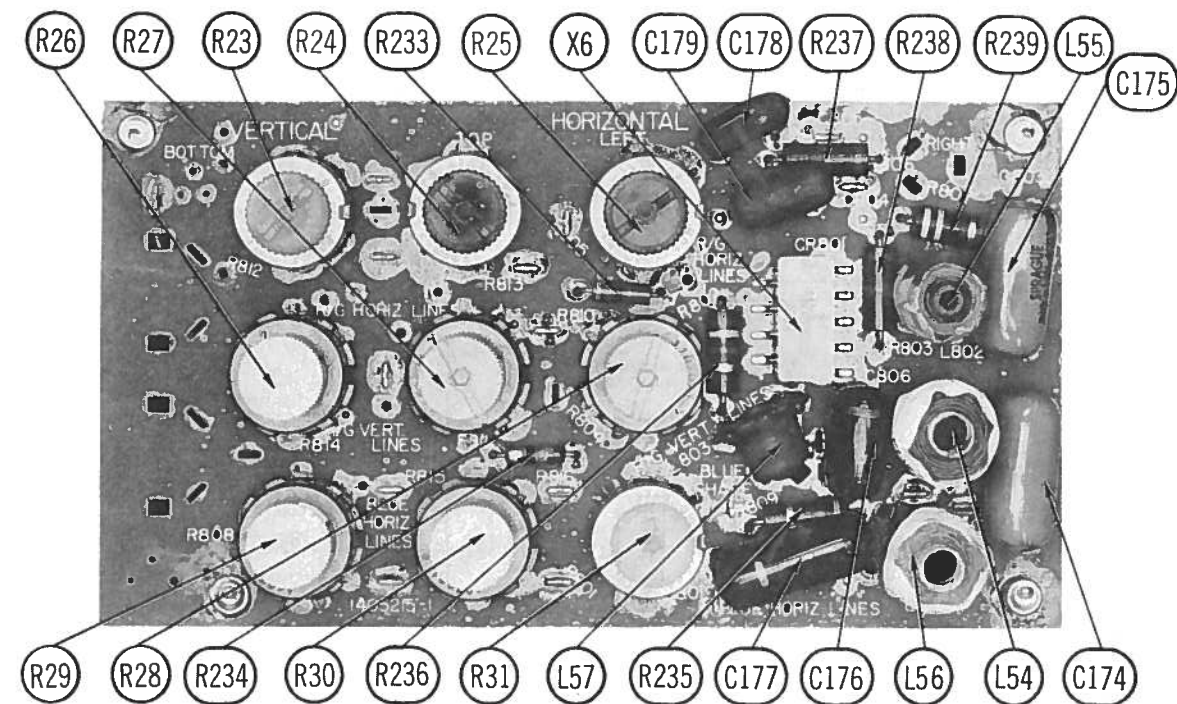
FIG. E

RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

FOLDER 2

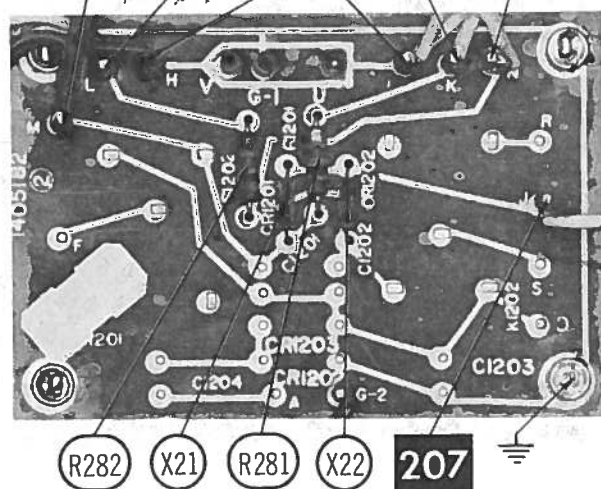


CHROMA BOARD

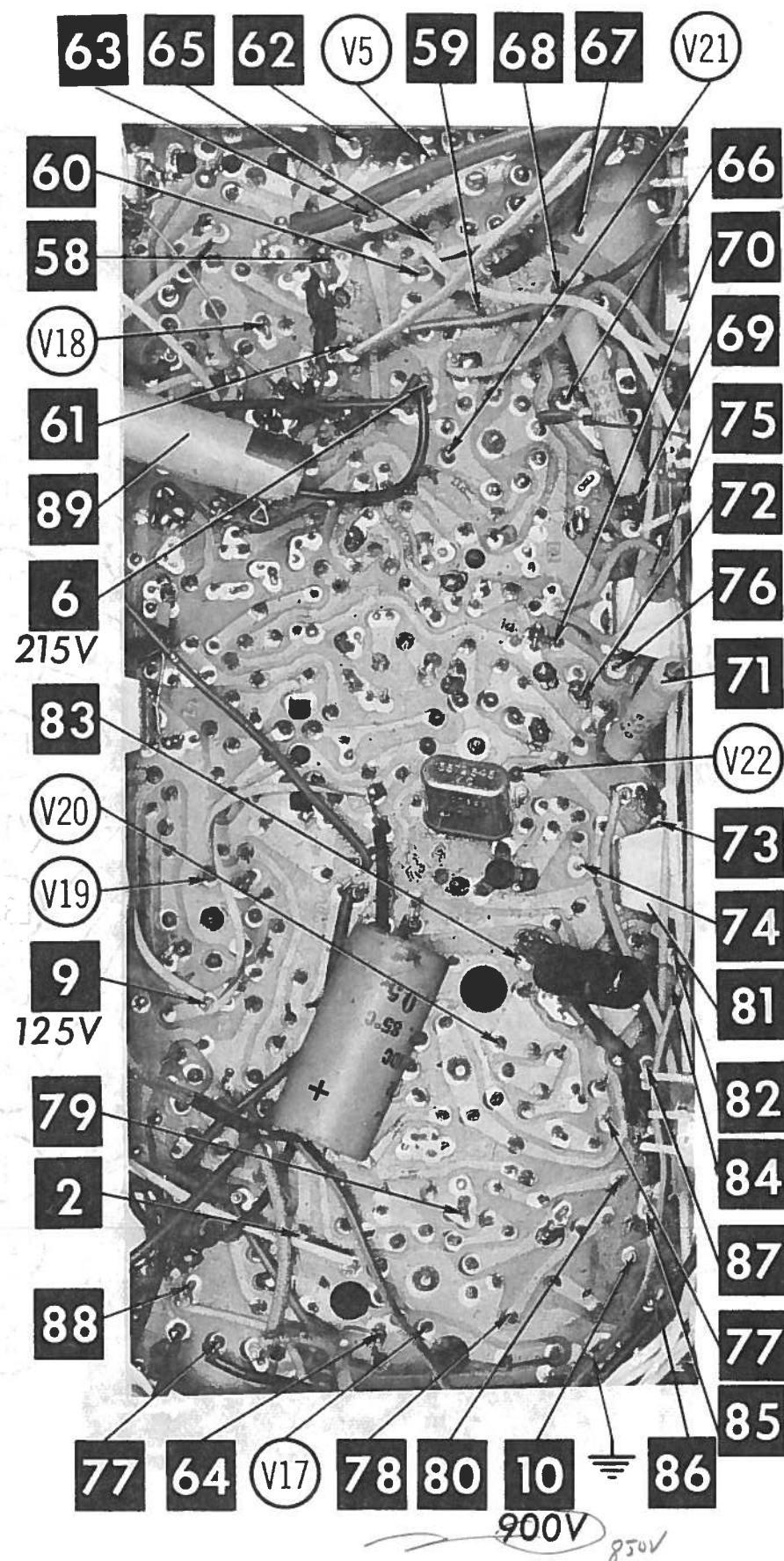


CONVERGENCE BOARD

A Howard W. Sams CIRCUITRACE Photo

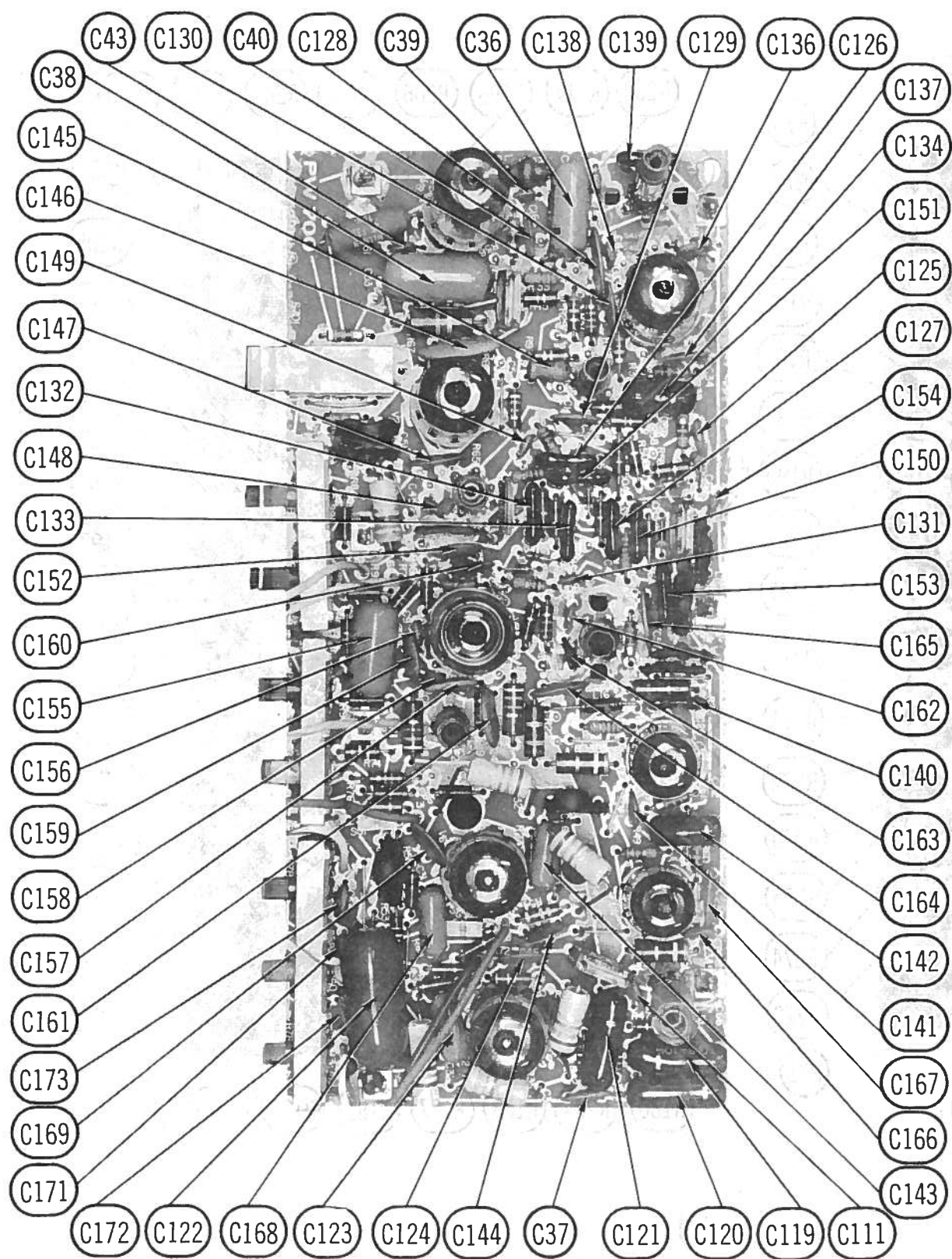


TUNER MOUNTING ASSEMBLY TMA503A

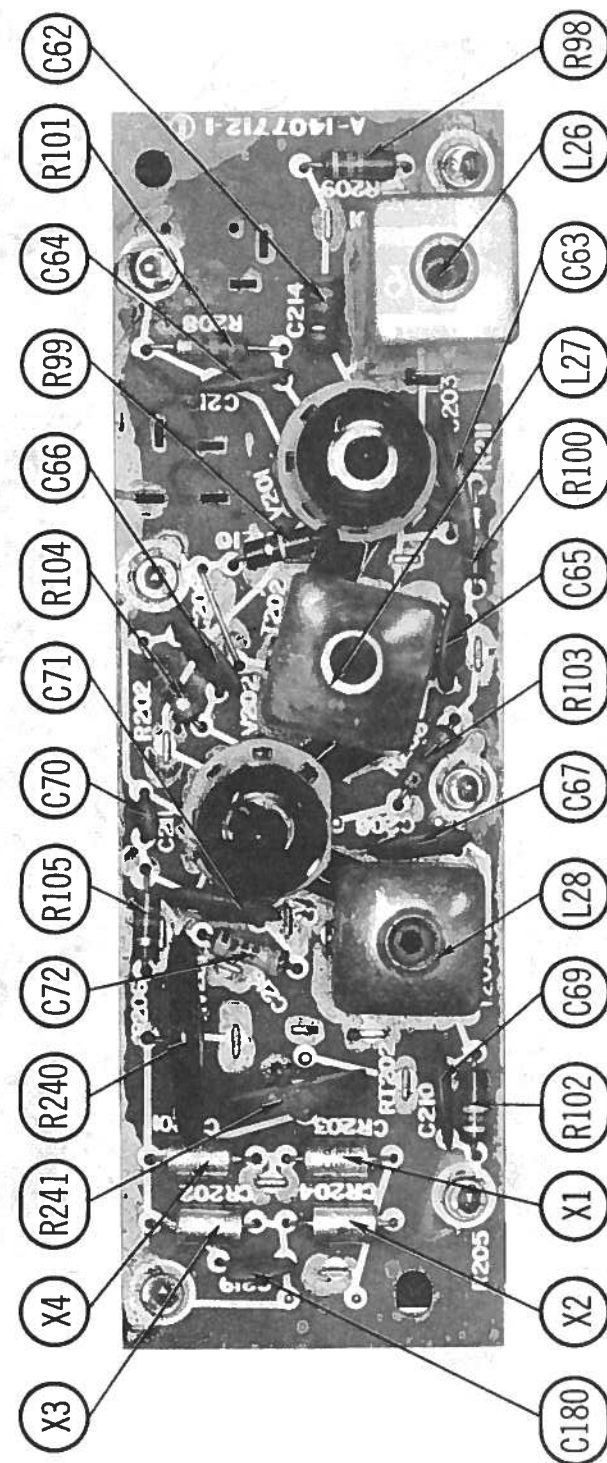


CHROMA BOARD

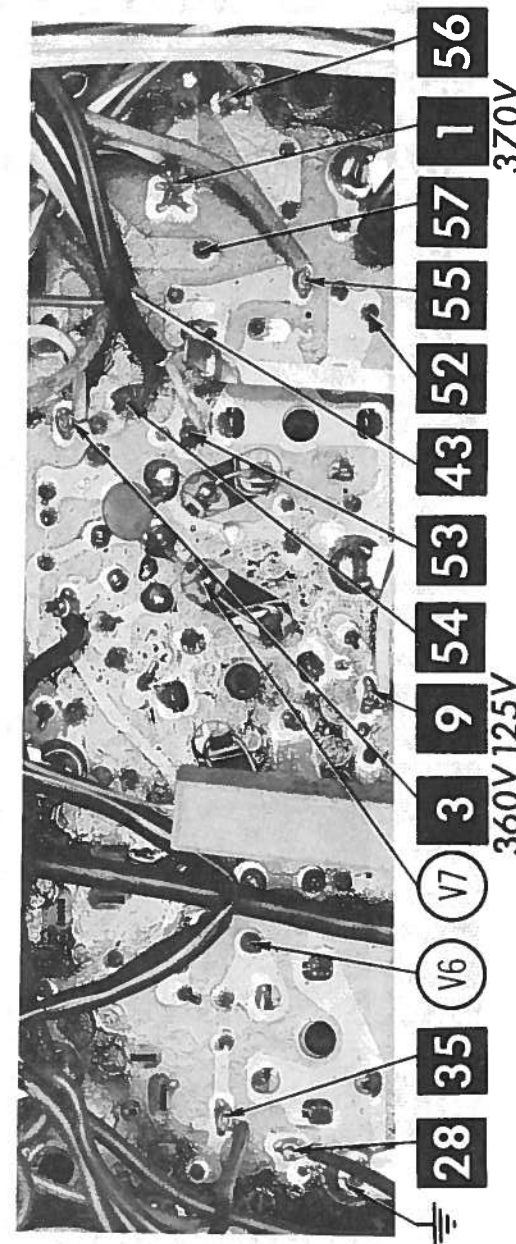
ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



CHROMA BOARD

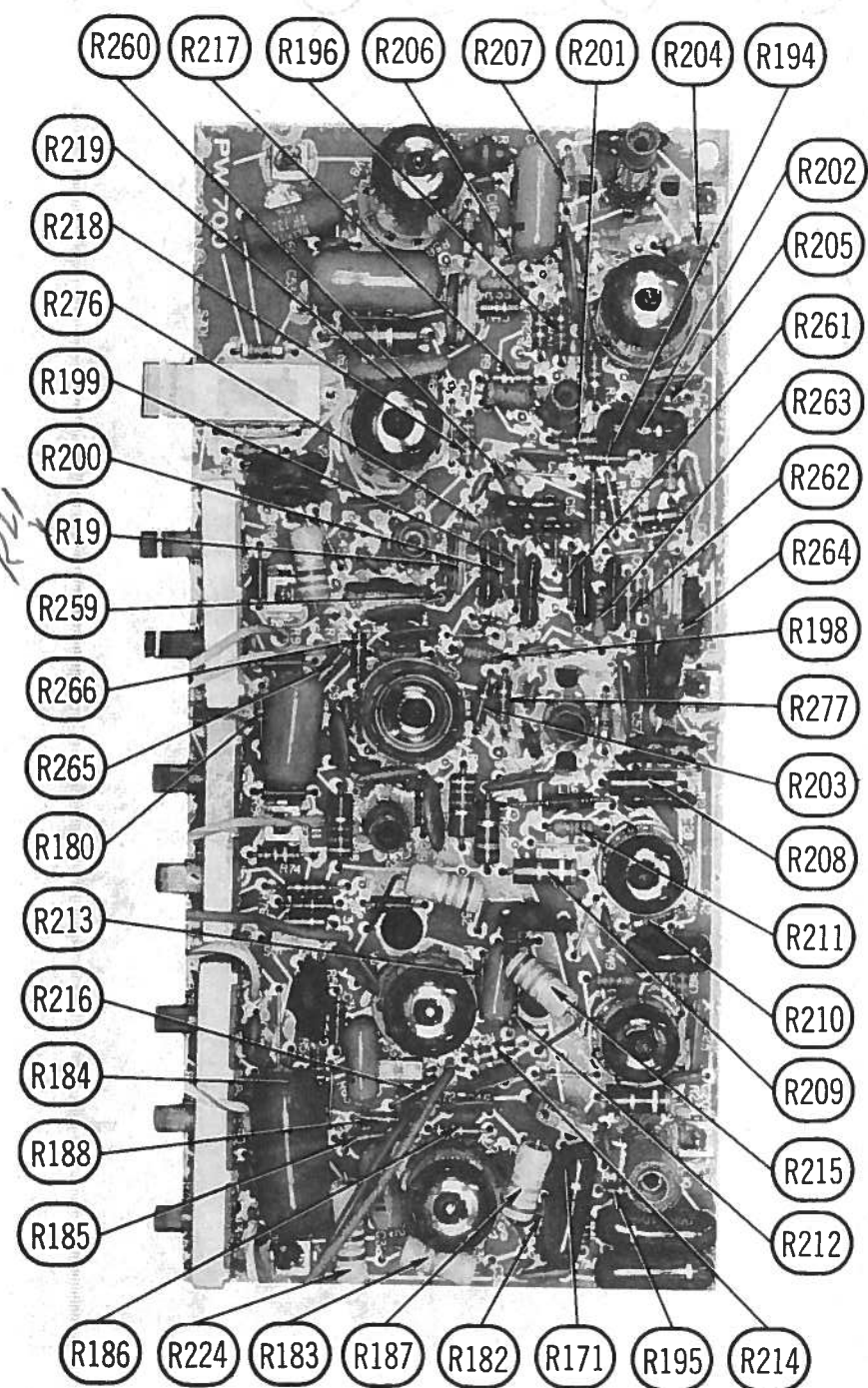
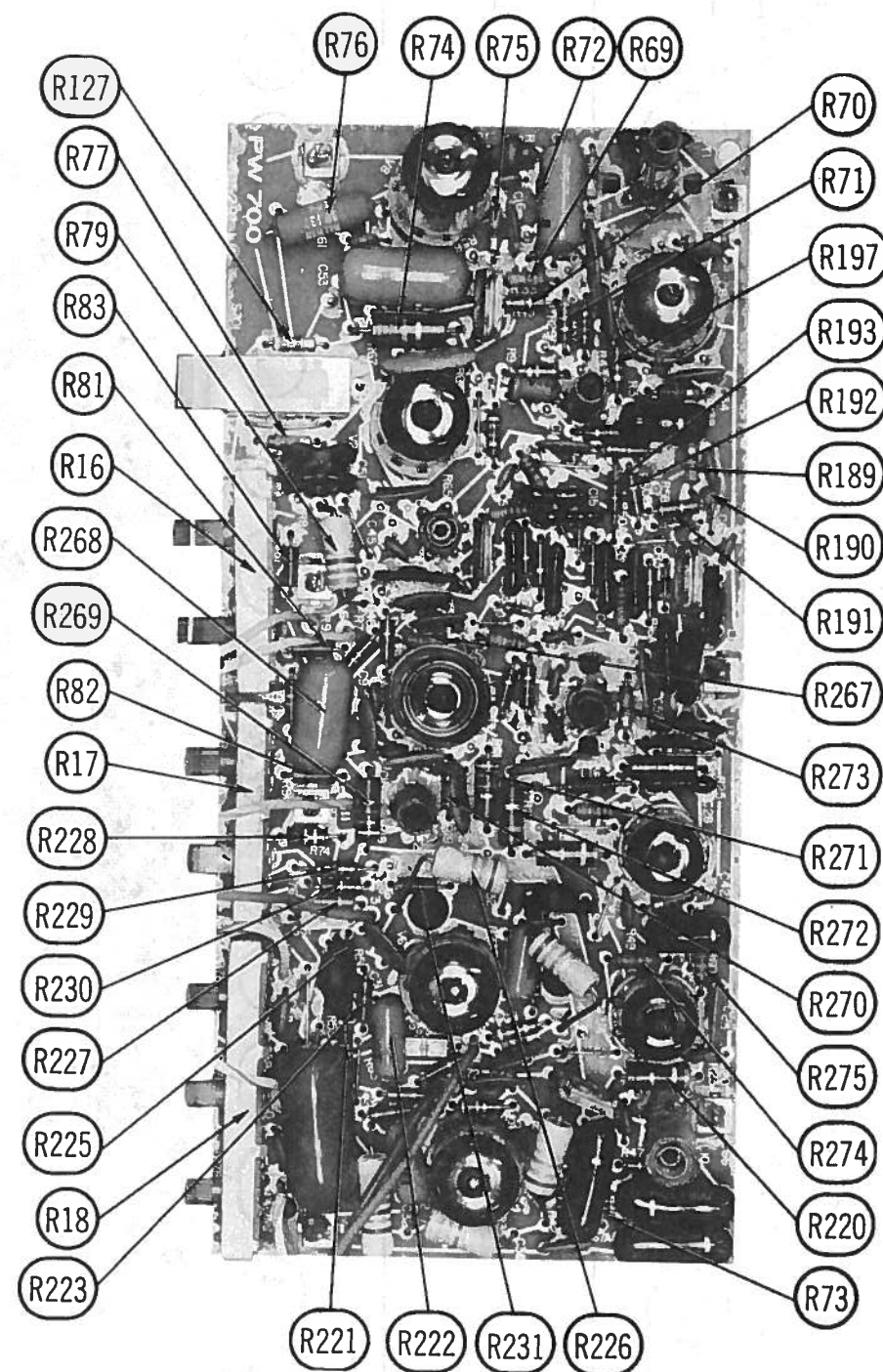
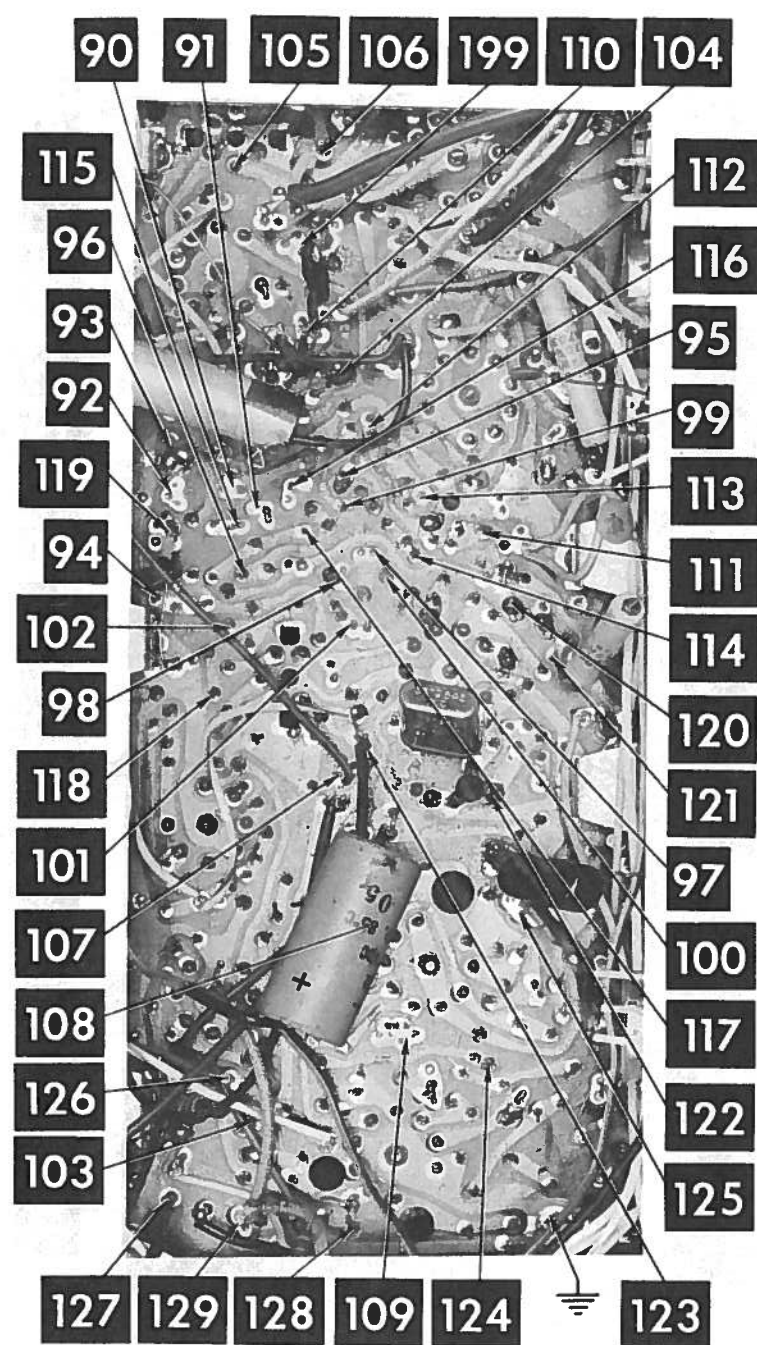


SOUND BOARD

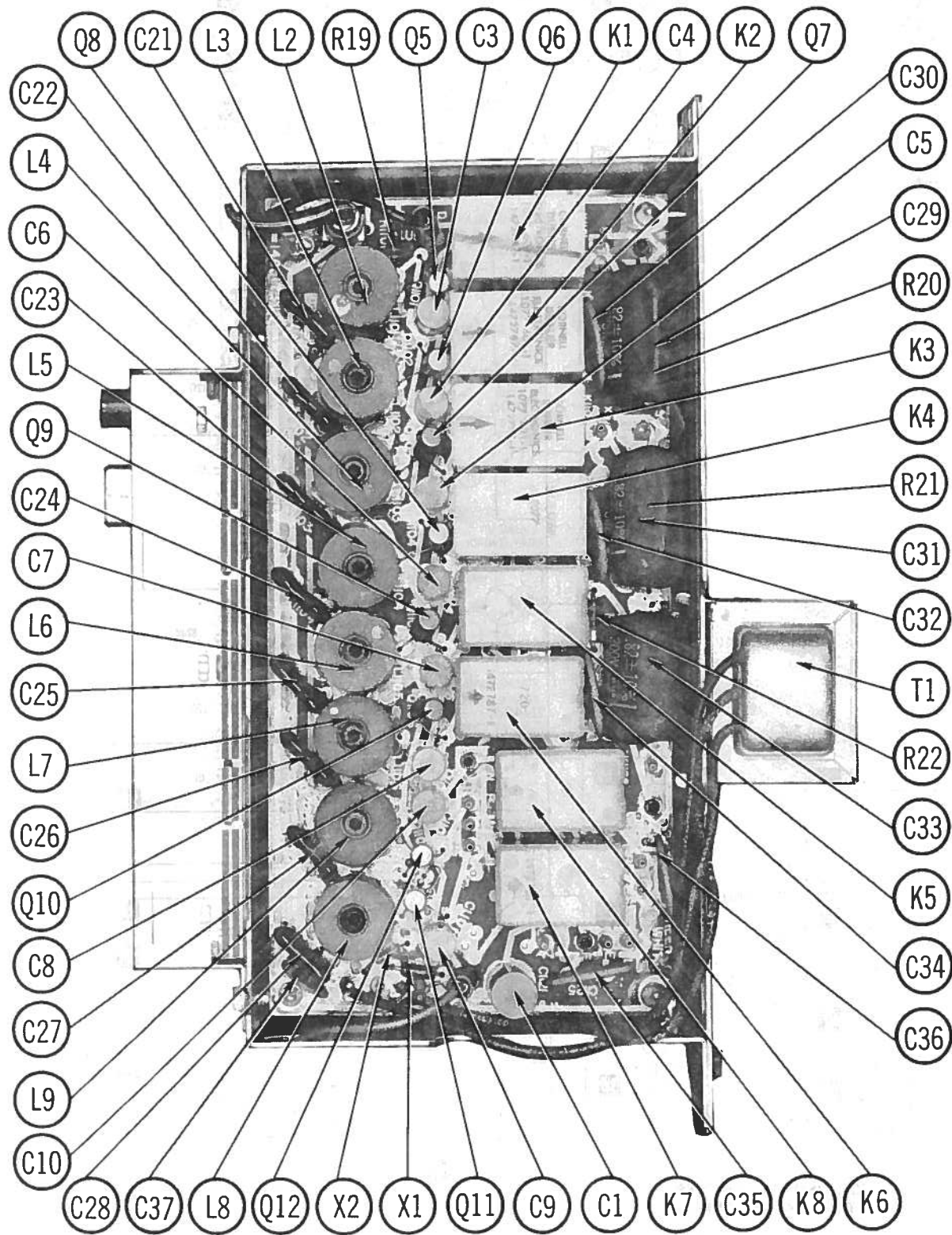


RCA VICTOR CHASSIS
CTC28AA, CTC28A, CTC28B

FOLDER 2



CHROMA BOARD



SET 936 FOLDER 2-A

PHOTOFACT® Folder

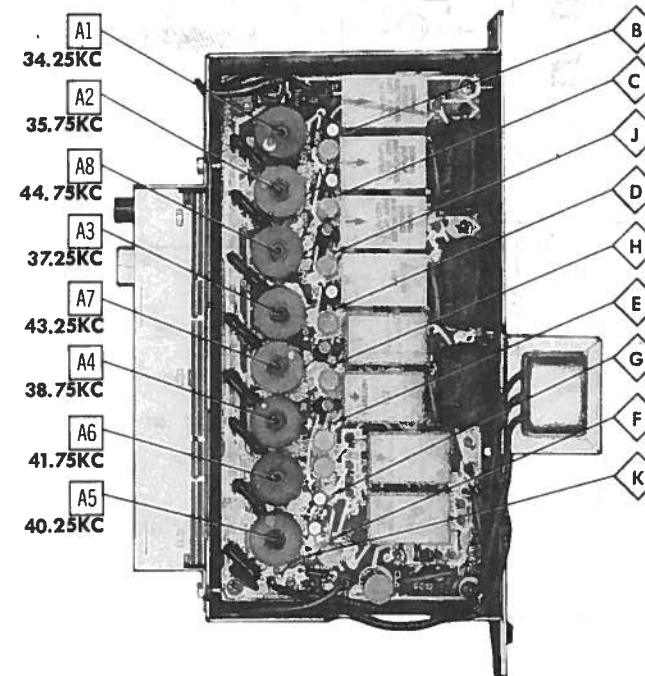
with CIRCUITRACE™

RCA VICTOR REMOTE RECEIVER
CTP12A/C, TRANSMITTER CRK10A

IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET 936 FOLDER 2. File this Folder with the TV Folder in the yellow filing jacket provided.

RCA VICTOR REMOTE RECEIVER
CTP12A/C, TRANSMITTER CRK10A



TRADE NAME RCA Victor
SUPPLIER For current address, see Annual Index.
TYPE SET Remote Receiver CTP12A/C, Transmitter CRK10A
TRANSISTOR Twelve
POWER SUPPLY 110-120 Volts AC, 60 Cycles

REMOTE RECEIVER ALIGNMENT

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM Low side to Point	ADJUST	REMARKS
1. Connect high side thru .002mfd capacitor to Point . Low side to ground.	34.25KC	Tint Up	DC Probe to Point	A1	Adjust for maximum deflection.
2. "	35.75KC	Tint Down	DC Probe to Point	A2	"
3. "	37.25KC	Color Down	DC Probe to Point	A3	"
4. "	38.75KC	Volume Down	DC Probe to Point	A4	"
5. "	40.25KC	VHF Chan. Selector	DC Probe to Point	A5	"
6. "	41.75KC	UHF Chan. Selector	DC Probe to Point	A6	"
7. "	43.25KC	Volume Up	DC Probe to Point	A7	"
8. "	44.75KC	Color Up	DC Probe to Point	A8	"

TRANSMITTER ALIGNMENT

Connect DC Probe of VTVM to Point on a CTP12A or CTP12C Remote Receiver that is aligned correctly, low side to Point. Place Transmitter about 6 feet from receiver. Depress the Color Up button and adjust A9 for maximum deflection on meter.

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



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 the particular type of replacement part listed. SB555

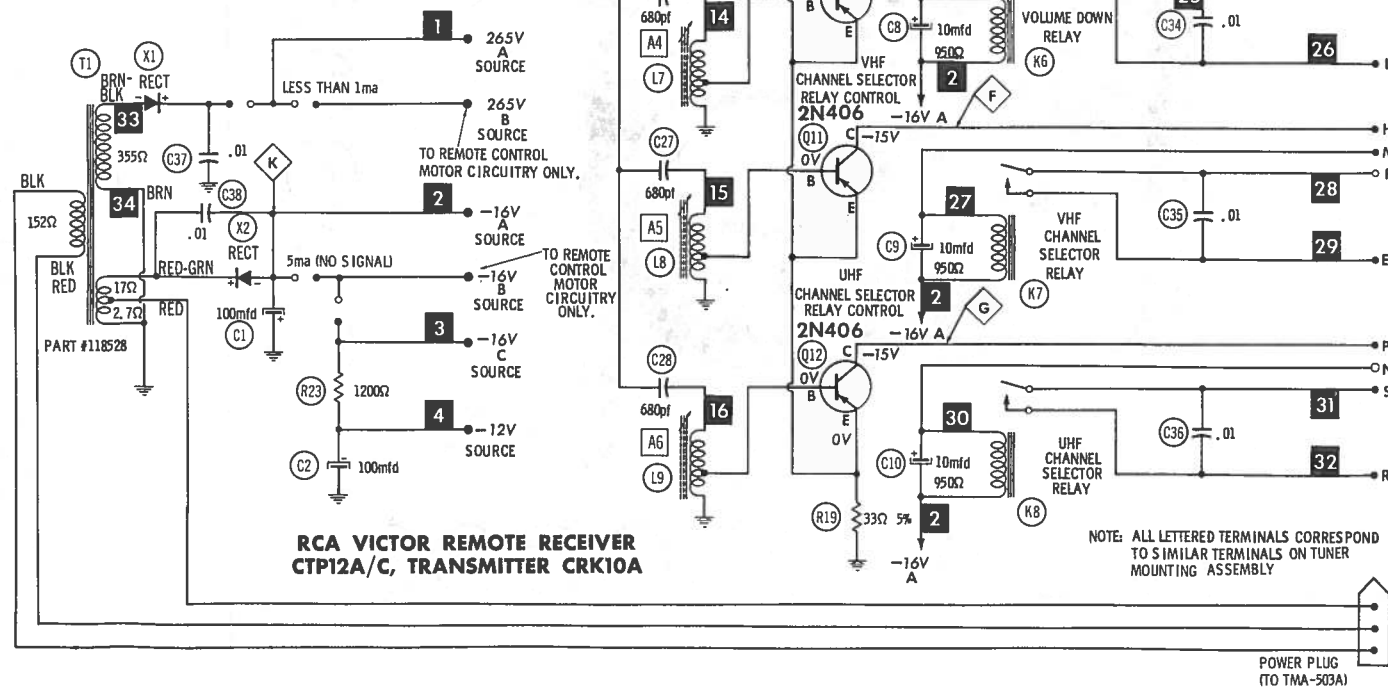
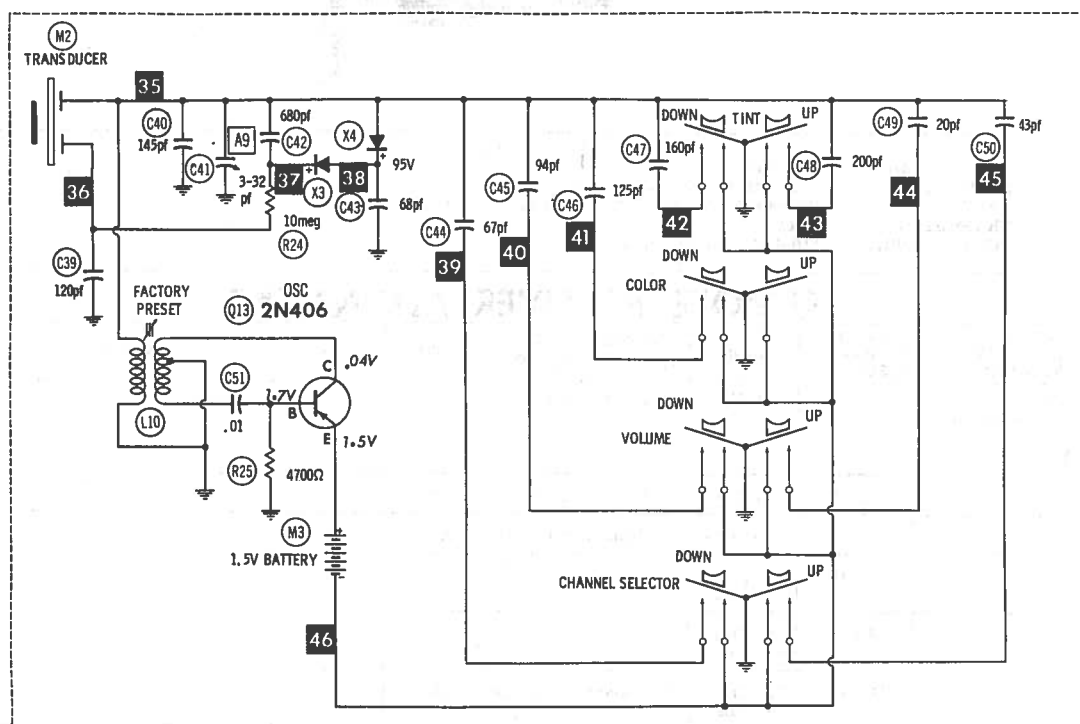
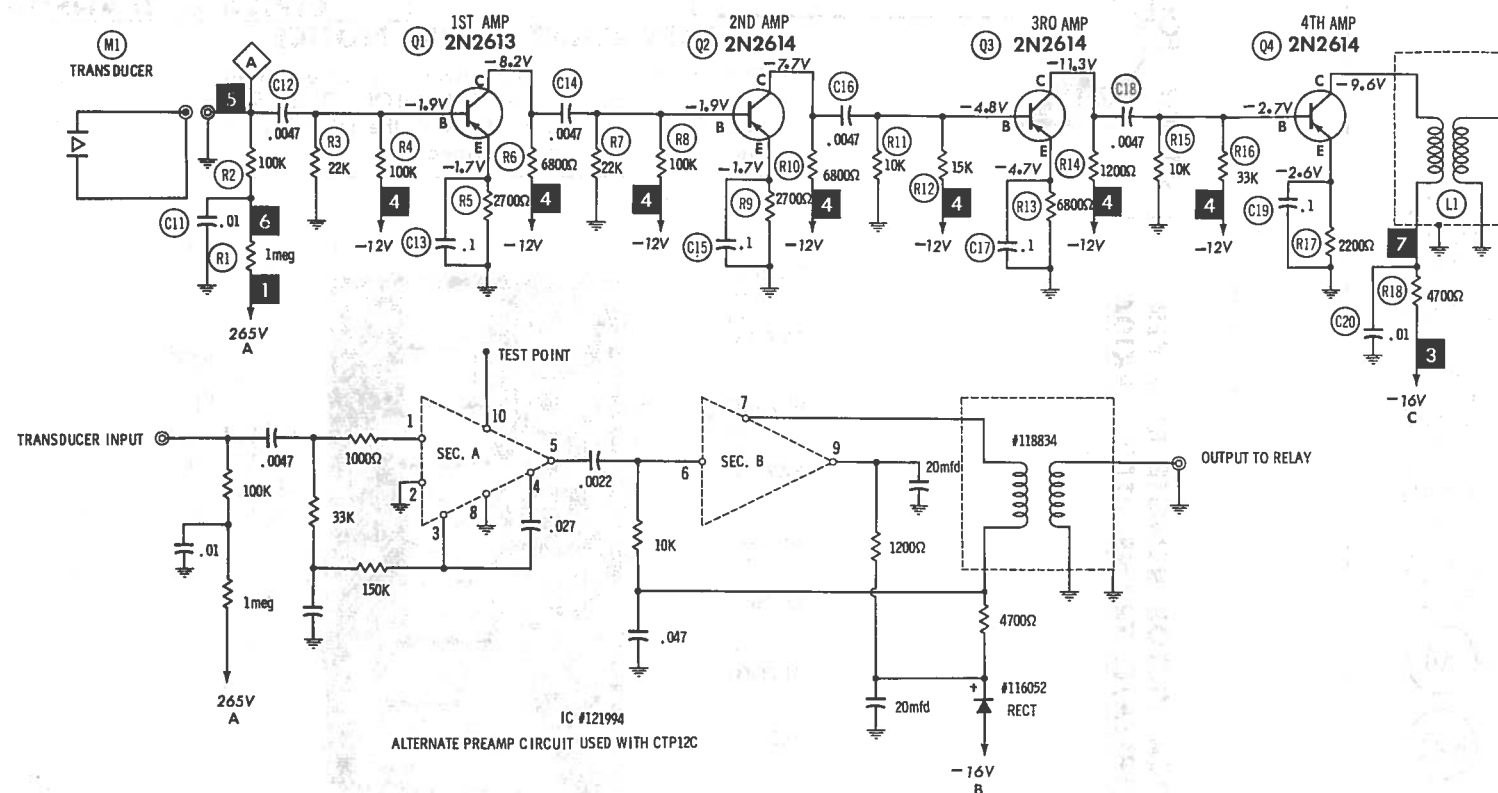
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DATE 2 -68

SET 936 FOLDER 2-A

RCA VICTOR REMOTE RECEIVER
CTP12A/C, TRANSMITTER CRK10A

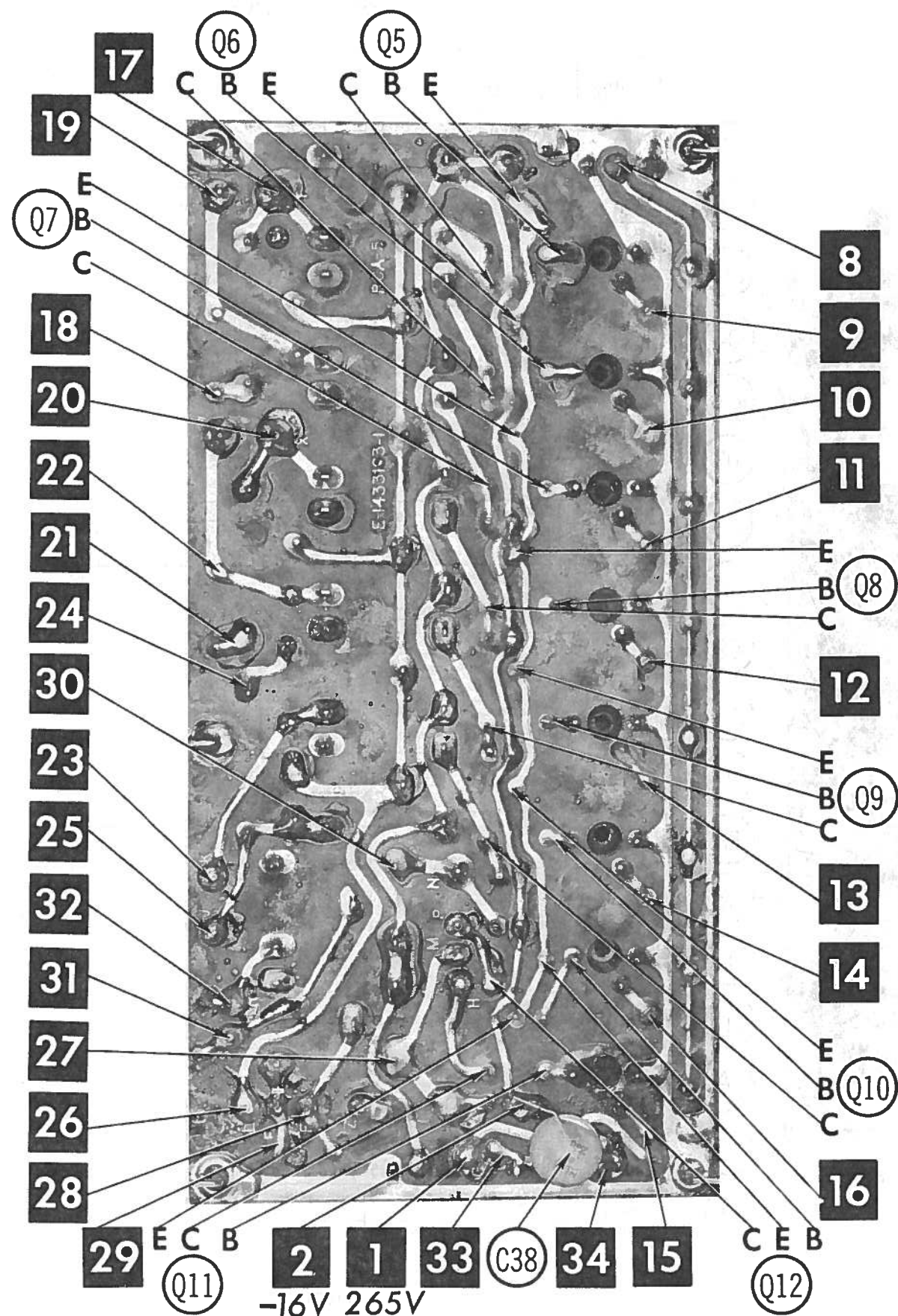
SET 936 FOLDER 2-A



RCA VICTOR REMOTE RECEIVER
CTP12A/C, TRANSMITTER CRK10A

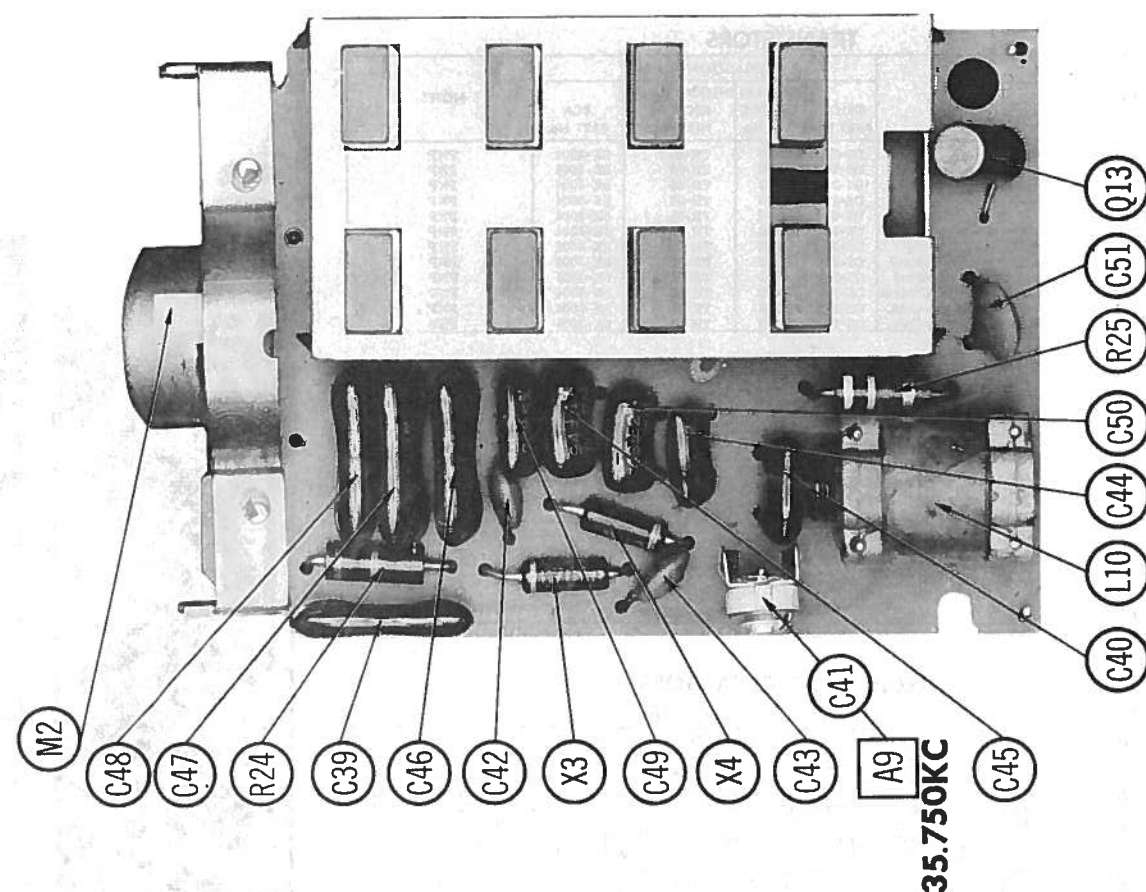
NOTE: ALL LETTERED TERMINALS CORRESPOND TO SIMILAR TERMINALS ON TUNER MOUNTING ASSEMBLY

- * Denotes ground.
 - * Not used in some versions.
 - See parts list.
 - 1. Switches viewed from knob or actuator end unless otherwise indicated.
 - 2. Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.
 - 3. Voltage and resistance readings taken with a VTVM.
 - 4. Supply voltage maintained at rated value for voltage measurements.
 - 5. All controls set for normal operation, no signal applied.
 - 6. Measured values are from socket pin or terminal to common ground.
 - 7. All terminals viewed from bottom unless otherwise indicated.
 - 8. Numbers assigned to terminals may not be found on the unit.
 - 9. Resistance measurements not given because of the wide variation in internal resistance of the transistor.
- A PHOTOFACT STANDARD NOTATION SCHEMATIC
with CIRCUITRACE
- © Howard W. Sams & Co., Inc. 1968



REMOTE RECEIVER BOARD

A Howard W. Sams CIRCUITRACE® Photo



TRANSMITTER BOARD

A Howard W. Sams CIRCUITRACE® Photo

REMOTE RECEIVER PARTS LIST

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	
Q1	2N2613	1st Amp.	DS-26	GE-2	TR-05	SK-3004	PNP
Q2	2N2614	2nd Amp.	DS-26	GE-2	TR-05	SK-3004	PNP
Q3	2N2614	3rd Amp.	DS-26	GE-2	TR-05	SK-3004	PNP
Q4	2N2614	4th Amp.	DS-26	GE-2	TR-05	SK-3004	PNP
Q5	2N406	Tint Up Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q6	2N406	Tint Down Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q7	2N406	Color Up Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q8	2N406	Color Down Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q9	2N406	Volume Up Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q10	2N406	Volume Down Relay Control	DS-26	GE-2	TR-05	SK-3004	PNP
Q11	2N406	VHF Chan. Sel. Relay Cont.	DS-26	GE-2	TR-05	SK-3004	PNP
Q12	2N406	UHF Chan. Sel. Relay Cont.	DS-26	GE-2	TR-05	SK-3004	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1	.001A	118825 (G100K)	GE-504A	5A8-D or 8D8	1N2071 or 1N547	SK-3016 or SK-3017A	F-6 or 60C
X2	.005A (No Signal) .016A (Maximum)	118052 (FD222)	GE-504A	5A4-D or 8D4	A50 or 1N536	SK-3016 or SK-3017A	F-4 or 40C

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			RCA VICTOR PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100 25V		118831	PIT86	EA30-100	NLW100-25	MT1-20	MTV100CP25	TE-1211
C2	100 25V		118831	PIT86	EA30-100	NLW100-25	MT1-20	MTV100CP25	TE-1211
C3	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C4	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C5	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C6	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C7	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C8	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C9	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204
C10	10 25V		118832	BCD25010	EP30-10	NLW10-25	MT1-5	MTV10CB50	TE-1204

CAPACITORS

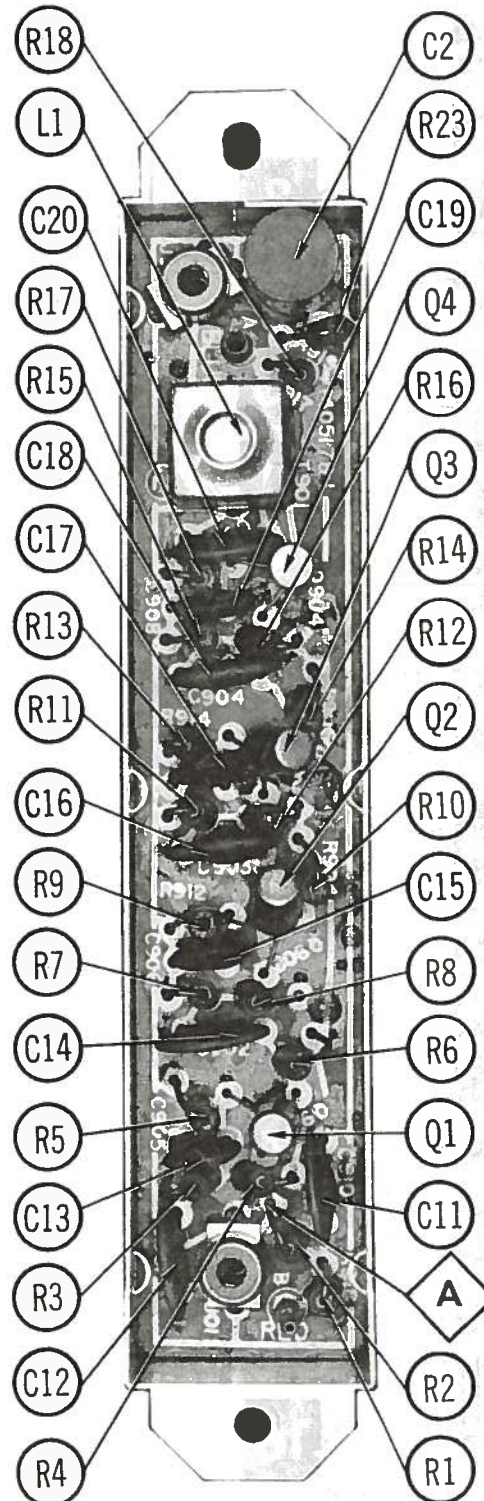
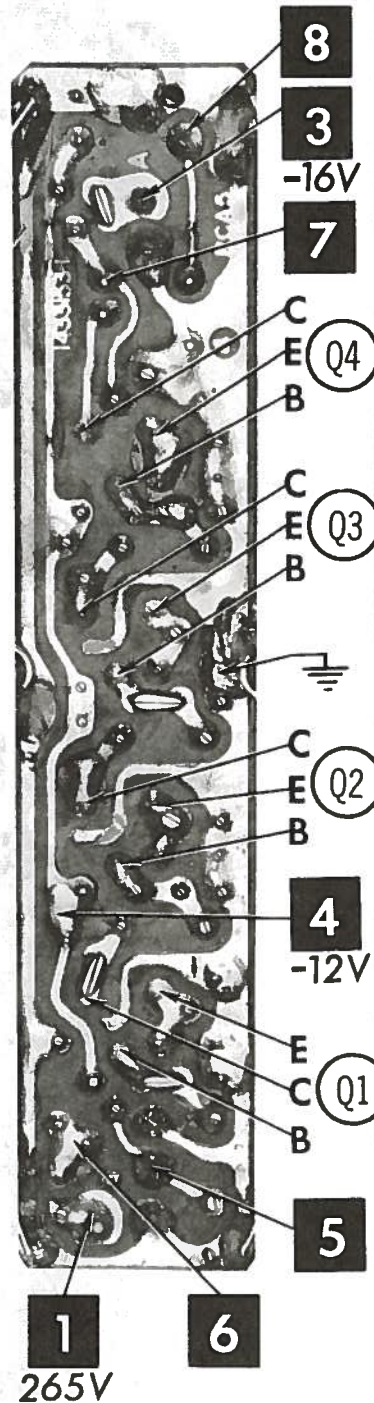
ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C11	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C12	.0047 10V		DI-4700	DD-472	JBT801YP472K	CCD-472	GP247	10TS-D47	
C13	.0047 10V		DI-4700	DD-472	JBT801YP472K	CCD-472	GP247	10TS-D47	
C14	.0047 10V		DI-4700	DD-472	JBT801YP472K	CCD-472	GP247	10TS-D47	
C15	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C16	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C17	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C18	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C19	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C20	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C21	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C22	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C23	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C24	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C25	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C26	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C27	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C28	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C29	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C30	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C31	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C32	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C33	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C34	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C35	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C36	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C37	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	
C38	.01 10V		DI-10000	DD-103	BYX801ZU103M	CCD-103	GP110	10TS-810	

① Used in Remote Receiver CTP12A.

RCA Victor Part Number

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		RCA VICTOR PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	40KC Driver	118834				
L2	Tint Up (34.25KC)	118180				
L3	Tint Down (35.75KC)	118830				
L4	Color Down (37.25KC)	119159				
L5	Color Up (44.75KC)	119157				
L6	Volume Up (43.25KC)	118828				
L7	Volume Down (38.75KC)	118829				
L8	VHF Channel (40.25KC)	119158				
L9	UHF Channel (41.75KC)	119479				



REMOTE RECEIVER BOARD

REMOTE RECEIVER PARTS LIST (cont)

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	RCA VICTOR PART No.	MERIT PART No.	STANCOR PART No.	THORADSON PART No.	TRIAD PART No.	
T1	117VAC @ .12A AC	215VAC @ .001A DC	13.5VAC @ .016A DC Tapped @ 5VAC @ .16A AC	118528 (962794-10)					

MISCELLANEOUS

ITEM No.	PART NAME	RCA VICTOR PART No.	NOTES
K1	Relay	118833	Tint Up
K2	Relay	118833	Tint Down
K3	Relay	118833	Color Up
K4	Relay	118833	Color Down
K5	Relay	118833	Volume Up
K6	Relay	118833	Volume Down
K7	Relay	118833	VHF Channel Selector
K8	Relay	118833	UHF Channel Selector
M1	Transducer		
	Printed Circuit Board	118827	Amplifier (FW1900) - Used in Remote CTP12C
	Printed Circuit Board	121993	Amplifier (FW900) - Used in Remote CTP12A
	Printed Circuit Board	119471	Relay Assembly (PW1100)

TRANSMITTER PARTS LIST

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	
Q13	2N406	Remote Oscillator	DS-26	GE-2	TR-05	SK-3004	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X3		122129	GE-504A	5A4-D or 8D4	A50 or CTP50 ①		40C or S-5981 ①
X4		122129	GE-504A	5A4-D or 8D4	A50 or CTP50 ①		40C or S-5981 ①

① A single unit replacement for X3 and X4.

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C39	120 500V 2%	#122138						
C40	145 500V 1%	#122131						
C41	3-32	#122130						
C42	680 10%		DI-680	DD-681	JBY801YP681K	CCD-681	GP368	10TS-T68
C43	680 10%		DI-680	DD-681	JBY801YP681K	CCD-681	GP368	10TS-T68
C44	67 500V 1%	#122137						
C45	94 500V 1%	#122135						
C46	125 500V 1%	#122134						
C47	160 500V 1%	#122132						
C48	200 500V 1%	#122133						
C49	20 500V 5%		ADM-15-200	CPR-20J	CD15E200J500	DM-15-200	SX420	MS-42
C50	43 500V 2%	#122146						
C51	.01 100V							

RCA Victor Part Number

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		RCA VICTOR PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L10	Remote Oscillator	122128				

MISCELLANEOUS

ITEM No.	PART NAME	RCA VICTOR PART No.	NOTES
M2	Transducer	112942A	
	Printed Circuit Board	122149	

BATTERIES

ITEM No.	VOLTAGE	RCA VICTOR PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M3	1.5V	V81334	AL9 or HG9 or 930	E91 or E9 or 1015	Mn-1500 or ZM9 or M15R	

RCA VICTOR REMOTE RECEIVER CTP12A/C, TRANSMITTER CRK10A

FOLDER 2-A