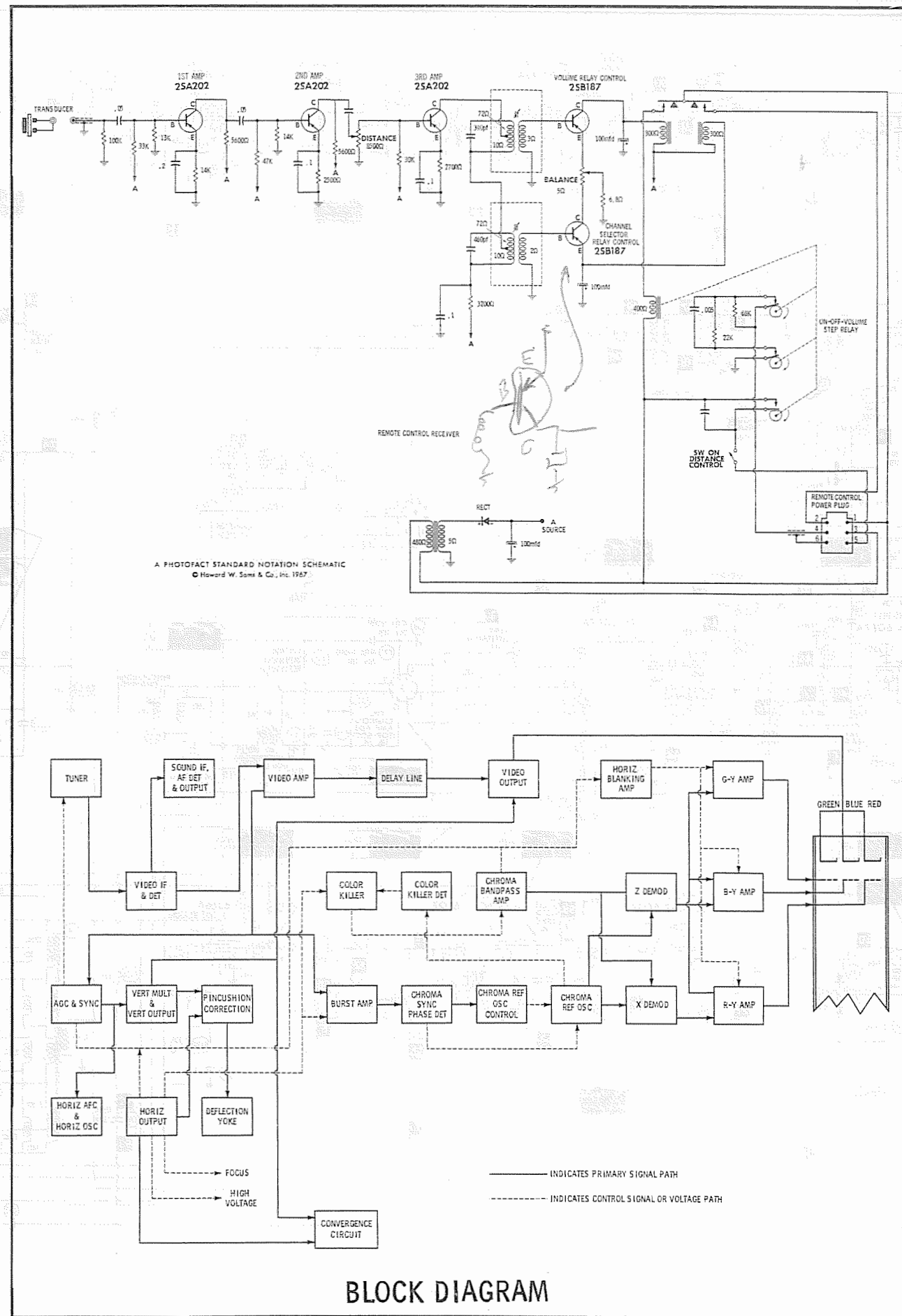


CHASSIS - TOP VIEW

CLAIRTONE  
CHASSIS C11

FOLDER 2



SET 883 FOLDER 2

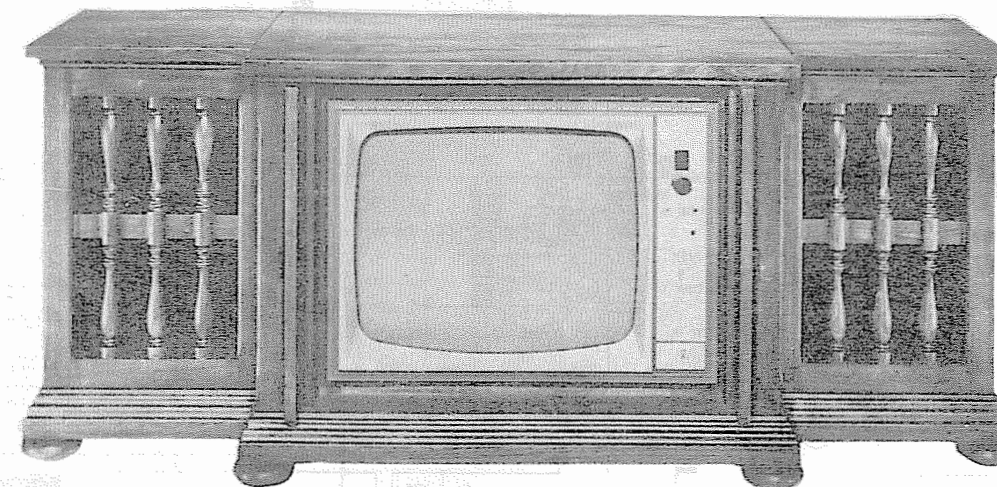
CLAIRTONE  
CHASSIS C11

PHOTOFACT® Folder

with CIRCUITRACE

CLAIRTONE  
CHASSIS C11

COLOR TV



REPRESENTATIVE MODEL 7095

TRADE NAME	Clairtone Chassis C11
SUPPLIER	For current address, see Annual Index.
TYPE SET	Color Television Receiver
TUBES	VHF: Twenty-Six, UHF: One Transistor
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)
RATING	320 Watts, 3.3 Amps. @ 117 Volts AC

SERVICING IN THE FIELD

SAFETY GLASS

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

FUSE OR FUSE DEVICE

A 3" length of 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.)

VHF OSCILLATOR ADJUSTMENT

The Fine Tuning mechanically engages oscillator slug for adjustment (one slug for each channel). It may be necessary to adjust overall oscillator trimmer for best results.

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 slug.

FOCUS

The focus may be varied by means of a Focus coil.

CENTERING

Centering is accomplished by Vertical and Horizontal Centering controls.

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



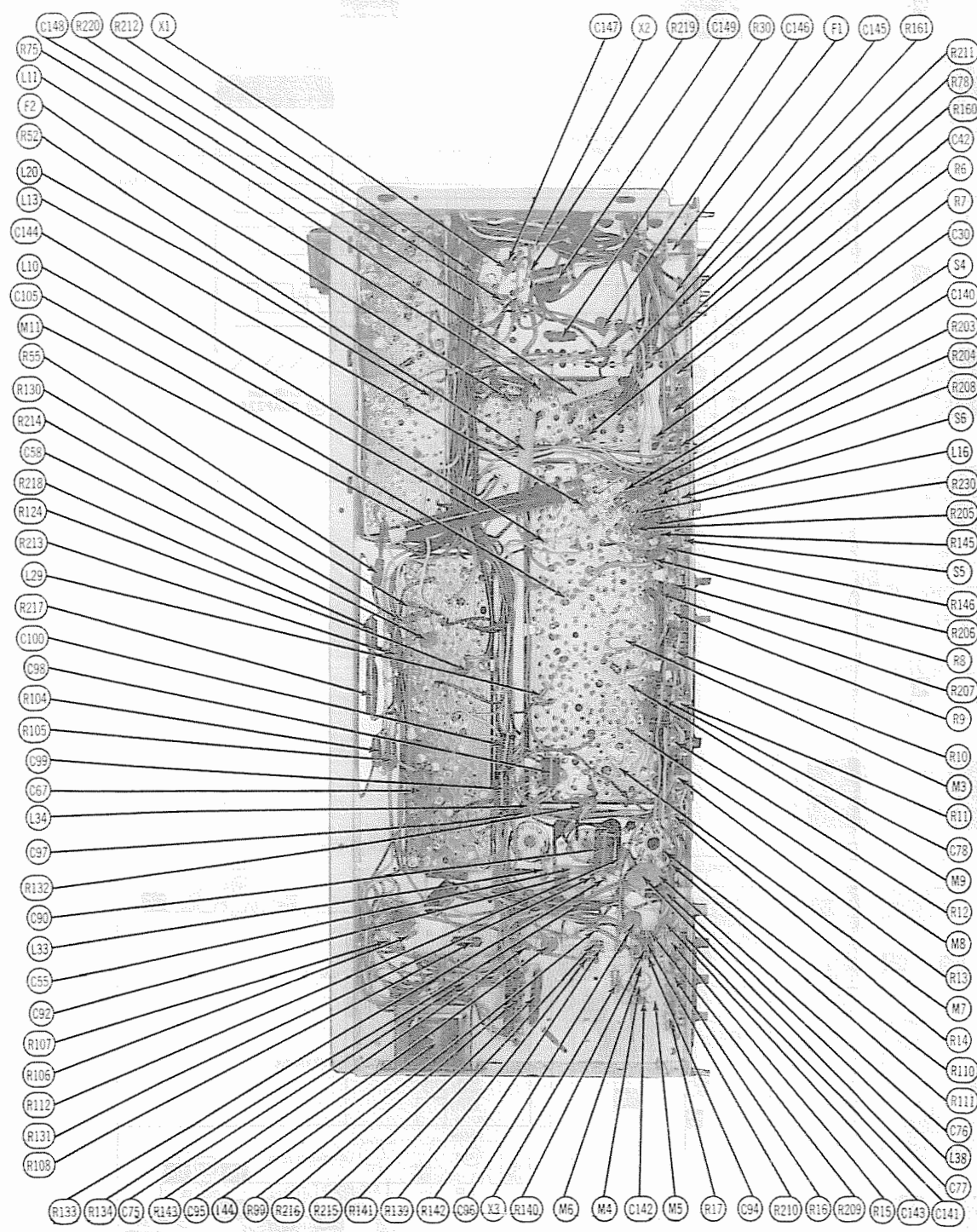
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SB123

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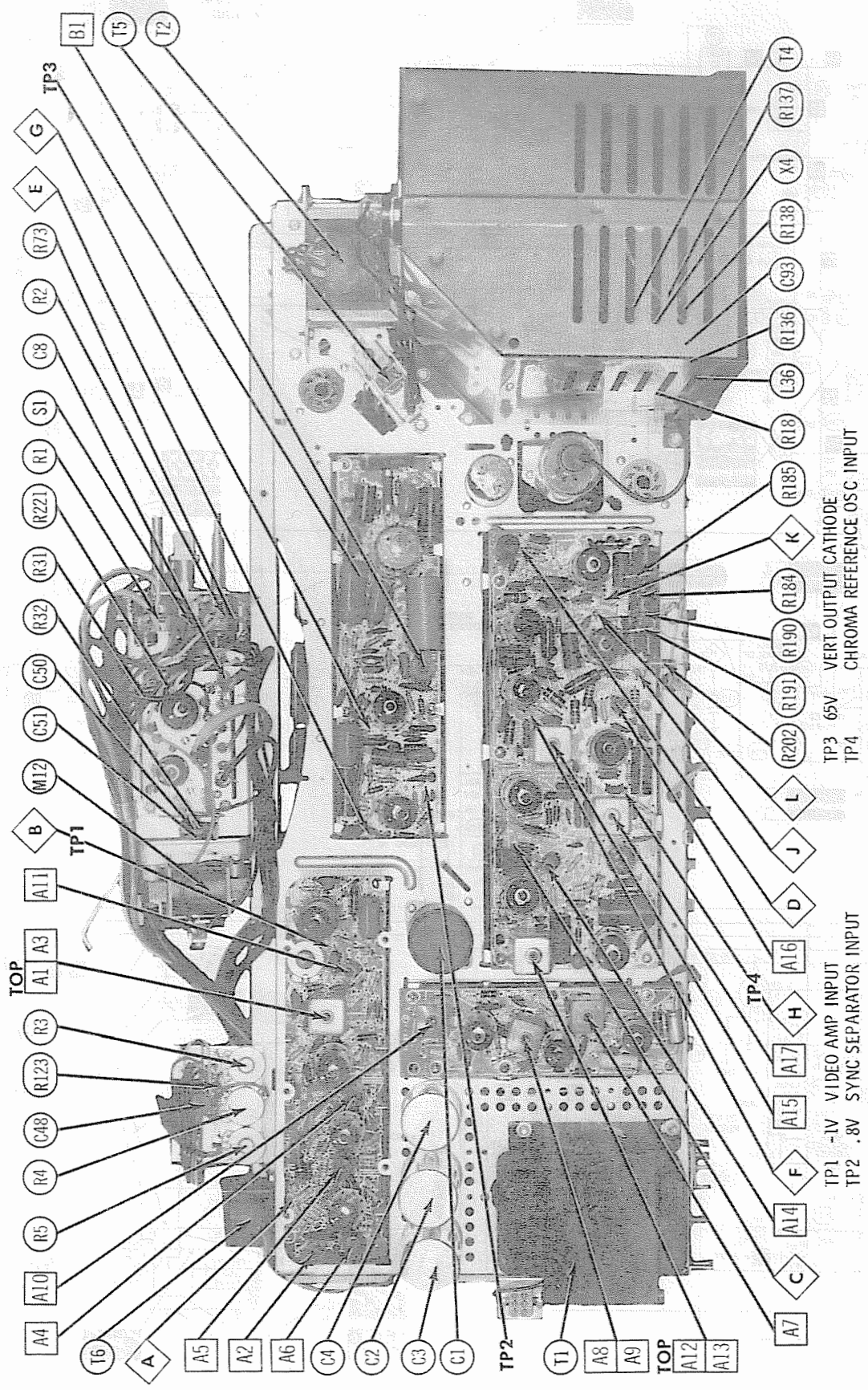
DATE 5 -67 SET 883 FOLDER 2

CLAIRTONE  
CHASSIS C11

SET 883 FOLDER 2



CHASSIS - BOTTOM VIEW

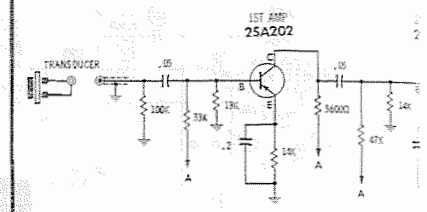


CHASSIS - TOP VIEW

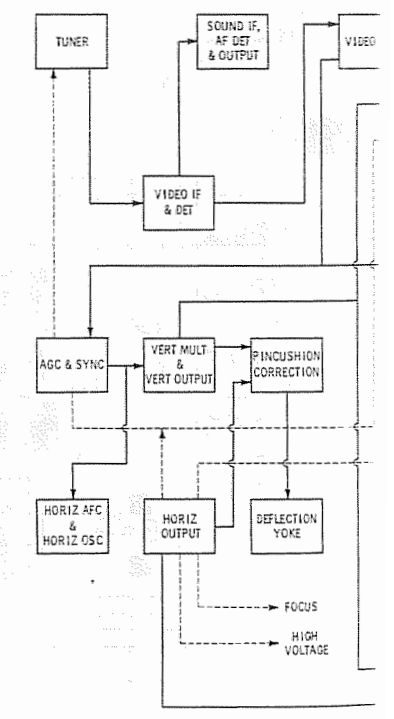
CLAIRBONE  
CHASSIS C11

FOLDER 2

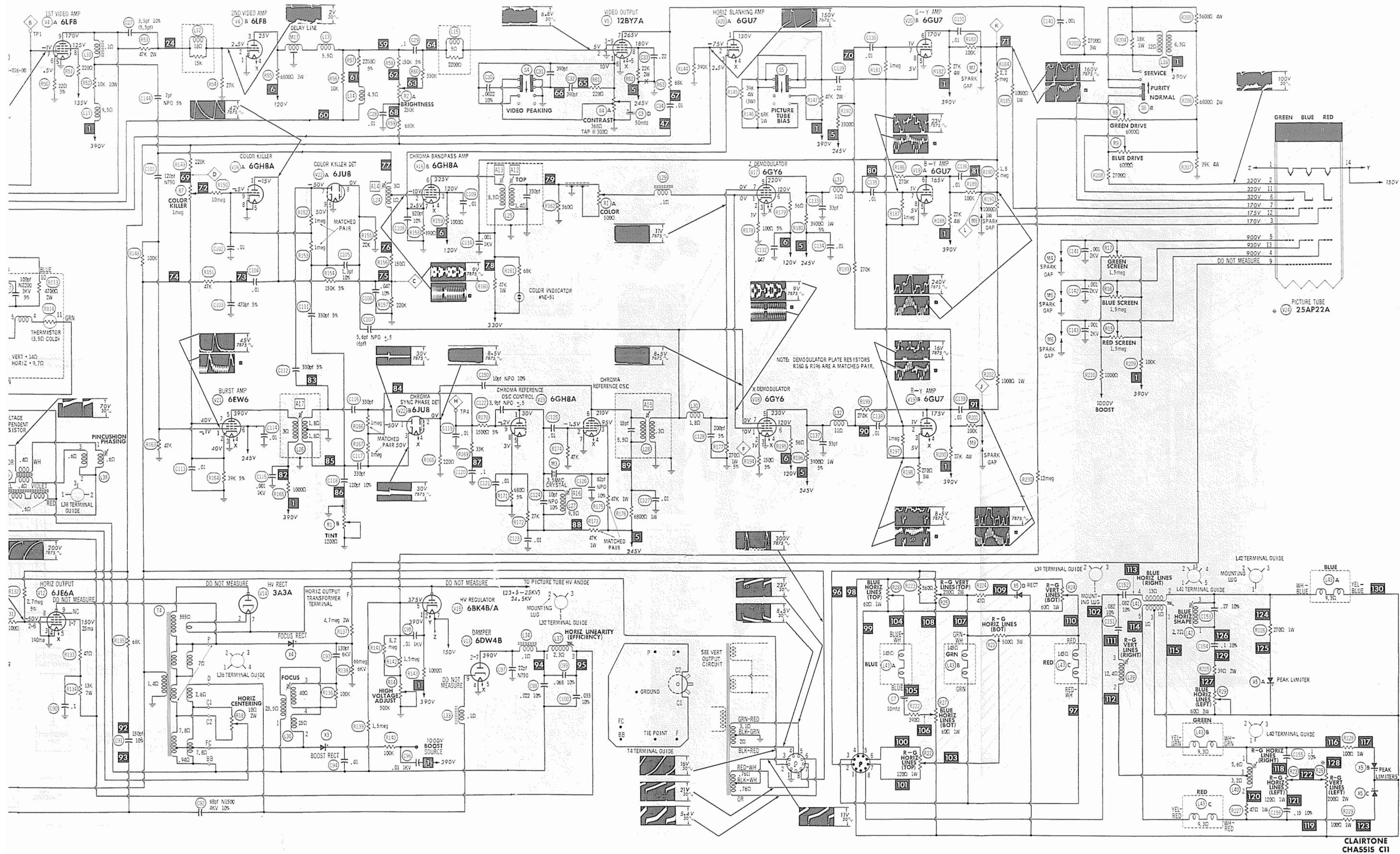
TP1 -1V VIDEO AMP INPUT  
TP2 .8V SYNC SEPARATOR INPUT  
TP3 65V VERT OUTPUT CATHODE  
TP4 CHROMA REFERENCE OSC INPUT



A PHOTOFACT STANDARD NOTATION  
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100 OHMS

W 80103

**B+ DISTRIBUTION**

390V SOURCE	1 ARROW CONNECTIONS
375V SOURCE	13 ARROW CONNECTIONS
350V SOURCE	3 ARROW CONNECTIONS
335V SOURCE	1 ARROW CONNECTION
330V SOURCE	2 ARROW CONNECTIONS
320V SOURCE	1 ARROW CONNECTION
240V SOURCE	9 ARROW CONNECTIONS
180V SOURCE	1 ARROW CONNECTION
150V SOURCE	8 ARROW CONNECTIONS
100V BOOST SOURCE	2 ARROW CONNECTIONS

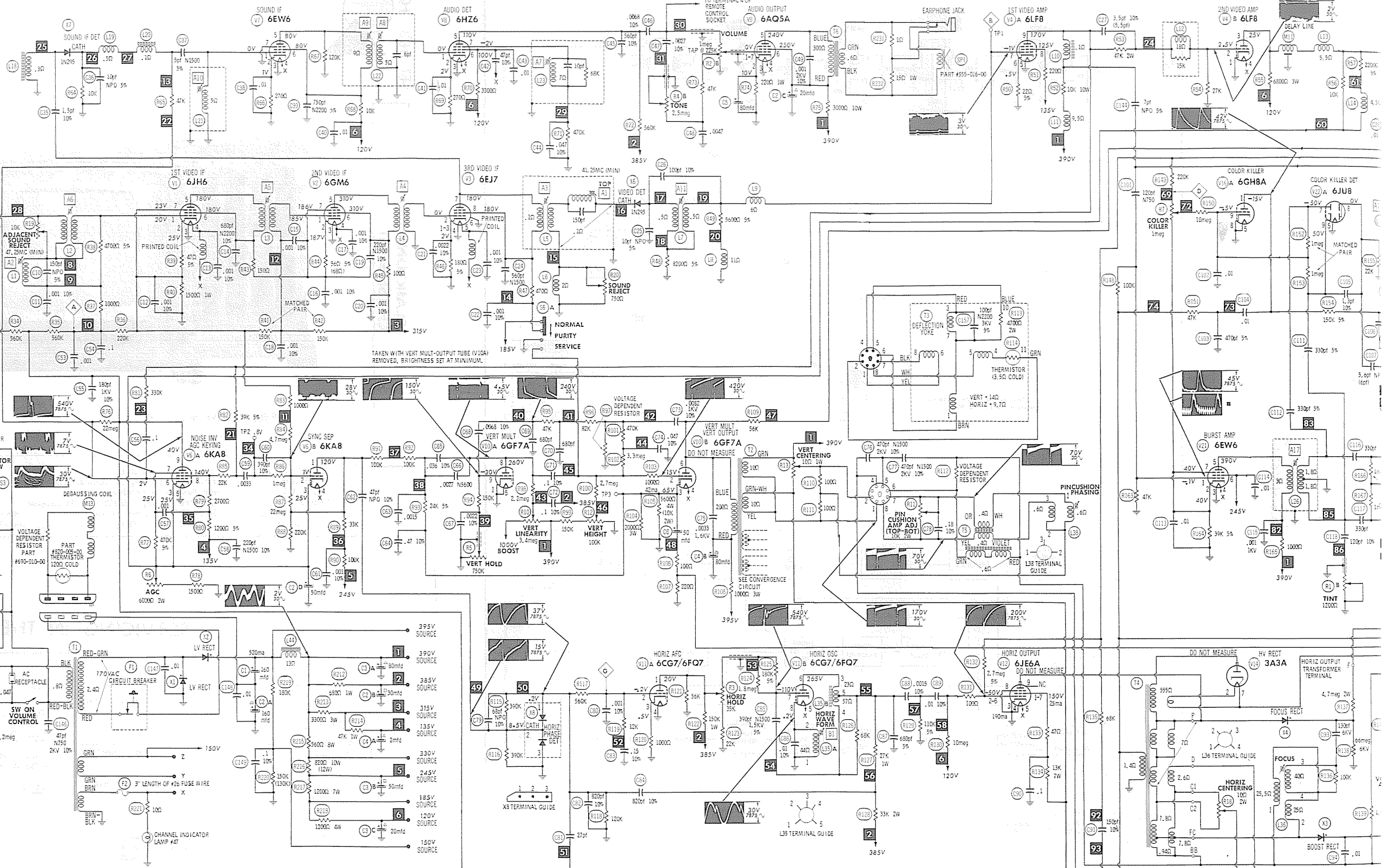
Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.

- ⊕ Denotes ground.
- \* Not used in some versions.
- Denotes waveforms taken with a keyed rainbow generator.
- 6 See parts list.
- 1. Voltage & resistance measurements taken with a VTVM.
- 2. All controls set for normal operation, no signal applied.
- 3. Measured values are from socket pin or terminal to common ground.
- 4. All terminals viewed from bottom unless otherwise designated.
- 5. Numbers assigned to terminals may not be found on the unit.
- 6. Supply voltage maintained at rated value for voltage readings.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

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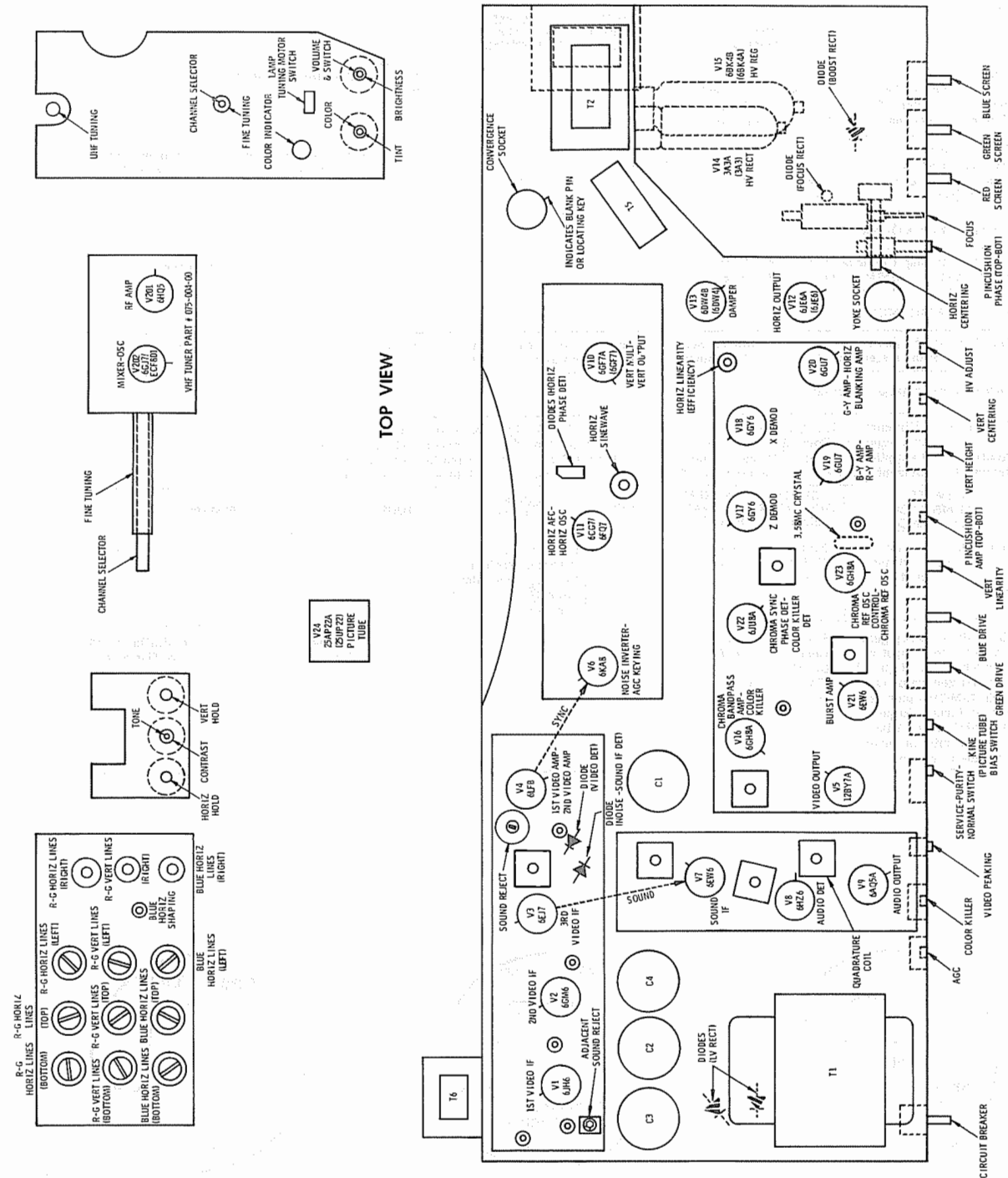
ALL WAVEFORMS, EXCEPT COLOR CIRCUITS, TAKEN WITH A BLACK AND WHITE TEST PATTERN. CONTROLS SET TO PRODUCE 100V PEAK-TO-PEAK AT PICTURE TUBE CATHODES. COLOR CIRCUIT WAVEFORMS TAKEN WITH A LOW CAPACITY PROBE AND A WIDEBAND OSCILLOSCOPE. CONTROLS SET TO PRODUCE PROPER N.T.S.C. COLOR BAR PATTERN CONSISTING OF GREEN, YELLOW, RED, MAGENTA, WHITE, CYAN, AND BLUE BARS. PEAK-TO-PEAK VOLTAGES AND FREQUENCIES REMAIN THE SAME FOR KEYED RAINBOW GENERATOR MEASUREMENTS.



## 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
V1	6JH6	221K	1547Ω	FIL	FIL	218Ω Δ	218Ω Δ	1500Ω					
V2	6GM6	76K	INF	FIL	FIL	3400Ω †	3400Ω †	68Ω Δ					
V3	6EJ7	180Ω	0Ω	180Ω	FIL	FIL	0Ω	3063Ω †	3063Ω †	0Ω			
V4	6LF8	0Ω	20K	7500Ω #†	FIL	FIL	22Ω	1300Ω ⊙	35K †	10K †			
V5	12BY7A	368Ω	520K	0Ω	FIL	FIL	FIL	6000Ω †	23K †	0Ω			
V6	6KA8	65K †	4.7meg	3500Ω †	FIL	FIL	55K	473K	32K †	730K			
V7	6EW6	5Ω	270Ω	FIL	FIL	14K †	14K †	0Ω					
V8	6HZ6	5Ω	270Ω	FIL	FIL	561K †	7093Ω †	470K					
V9	6AQ5A	350K	220Ω	FIL	FIL	3313Ω †	3013Ω †	NC					
V10	6GFA	0Ω	2.8meg	1666Ω	FIL	FIL	1200Ω †	NC	3.5meg †	520K			
V11	6CG7/ 6FQ7	15K	840K	1000Ω	FIL	FIL	61K †	210K	44Ω	0Ω			
V12	6JE6A	13K †	2.4meg	0Ω	FIL	FIL	2.4meg	13K †	0Ω	NC			TOP CAP 17.5Ω †
V13	6DW4B	NC	22Ω †	NC	FIL	FIL	NC	22Ω †	NC	3.2meg			
V14	3A3A	PINS 1 THRU 8 HAVE INFINITE RESISTANCE											TOP CAP 572.5Ω †
V15	6BK4B	1013Ω †	FIL	NC	NC	1.65meg †	NC	FIL	NC				TOP CAP INF
V16	6GH8A	370K	220K	4500Ω †	FIL	FIL	50K †	390Ω	0Ω	11meg			
V17	6GY6	47Ω	100Ω	FIL	FIL	5283Ω †	3500Ω †	2.1Ω					
V18	6GY6	47Ω	150Ω	FIL	FIL	5283Ω †	3500Ω †	.3Ω					
V19	6GU7	24K †	1meg	270Ω	FIL	FIL	25.5K †	1meg	270Ω	0Ω			
V20	6GU7	47K †	250K	390Ω	FIL	FIL	27K †	1meg	270Ω	0Ω			
V21	6EW6	32K	39K	FIL	FIL	1018Ω †	1393Ω †	39K					
V22	6JU8A	1meg ††	220Ω	1meg ††	FIL	FIL	0Ω	12meg	22K	12meg			
V23	6GH8A	23K † #	47K	48K †	FIL	FIL	8200Ω †	0Ω	680Ω	INF			
V24	25AP22A	FIL	6200Ω †	130K †	550K †	590K †	3600Ω †	130K	NC	71meg	NC	3600Ω †	125K †
							Pin 13 560K †	Pin 14 FIL					
V201	6HQ5	3.7meg	0Ω	FIL	FIL	12K †	0Ω	0Ω					
V202	6GJ7/ ECF801	0Ω	220K	0Ω	FIL	FIL	4450Ω †	25K †	8150Ω †	47K			
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

#	THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.		
⊙	READING DEPENDS ON POLARITY OF METER CONNECTIONS.		NC NO CONNECTION
Δ	MEASURED FROM PIN 2 OF V2.	‡	MEASURED FROM PIN 9 OF V13.
†	MEASURED FROM OUTPUT OF X2.	††	MEASURED FROM PIN 9 OF V23.



**CLAIRTONE  
CHASSIS C11**

## FOLDER 2



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 A14 ..... GENERAL CEMENT #8606, 8606L, 8869 .. WALSCO #2543, 2544, 2588  
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 A ) 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 B. Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. tube. Low side to ground.		41.25MC 47.25MC	A1, R20 A2, R19	Adjust for MINIMUM.
2. Connect vertical input of a scope to point B. Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. tube. Low side to ground.	44MC (10MC Sweep)	41.25MC 42.17MC 45.75MC 47.25MC	A3, A4, A5, A6, Mixer Plate Coil	Adjust for maximum gain and symmetry of response 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.

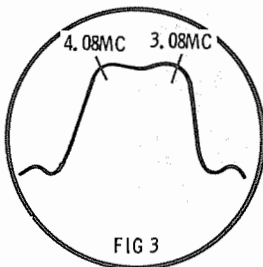
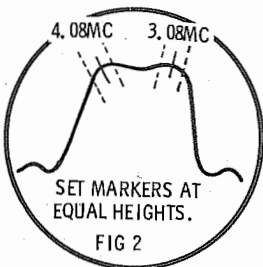
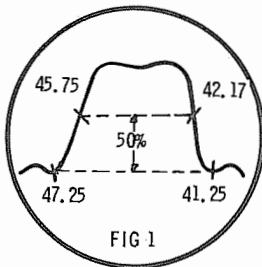
SOUND IF ALIGNMENT

Tune in a station and adjust A7 for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce signal while aligning for undistorted output by adjusting A8, A9, A10.

CHROMA BANDPASS ALIGNMENT

The following alignment will require the use of an RF Modulator (RCA WG304A or equivalent). Connect a -2 volt supply to Point C. Connect a -15 volt supply to Point D. Connect a -15 volt supply to point E. Positive of all supplies to ground. Connect a jumper from Point D to ground. Turn the color intensity to maximum. Remove the Horizontal Output tube and connect a 2000Ω, 100-watt resistor from 390V-source to ground.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
3. High side thru .1mfd to grid of V16, 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 C. Low side to ground.	A12, A13	Adjust for response curve similar to Fig. 2.
4. High side of sweep gen. to Video Sweep Input of RF modulator. High side of signal generator (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 (6MC Sweep)	3.08MC 4.08MC		"	A14	Adjust for response curve similar to Fig. 3. If necessary, retouch A12 to flatten top of response.



MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Connect:  
A VTVM through a high voltage probe to picture tube anode connector. Point C to ground.  
A short across Horizontal Waveform (Sine Wave) 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 C.

Adjust the High Voltage control for 25KV on picture tube anode with normal brightness. Adjust the Focus, Height, and Vertical Linearity controls.

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.

COLOR AFC ALIGNMENT

Suggested Alignment Tools:  
A15, A16, A17 ..... GENERAL CEMENT #8606, 8606L, 8869  
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 1 of V21, Burst Amp., to ground.

Connect DC probe of VTVM through 470K to Pin 1 of Phase Detector, V22. Adjust A15 for maximum deflection on VTVM. If no reading obtained, oscillator is not operating. Adjust A16 to start oscillator, then adjust A15 for maximum. Remove the short from Pin 1 of Burst Amp. Adjust A17 for maximum deflection on VTVM. Make sure the oscillator is running and locked in.

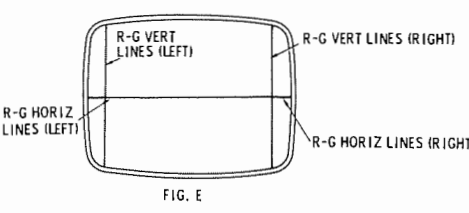
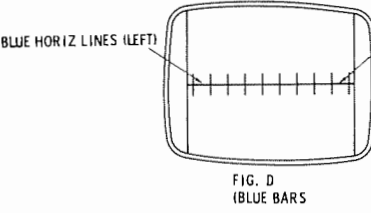
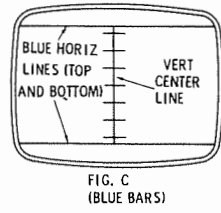
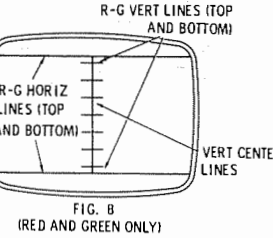
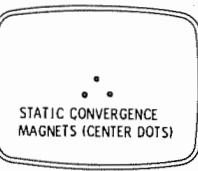
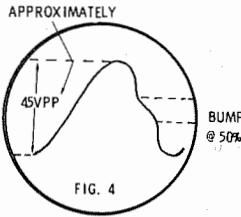
Short Point D to ground. Remove VTVM. Adjust A16 until color bars stand still or drift slowly. Remove the short from Point D and check to see that the color bars will "sync" with a low level input signal. If necessary, retouch A16 for best hold.

Connect the vertical input of a scope to Point E. 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 F and G). 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.

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).

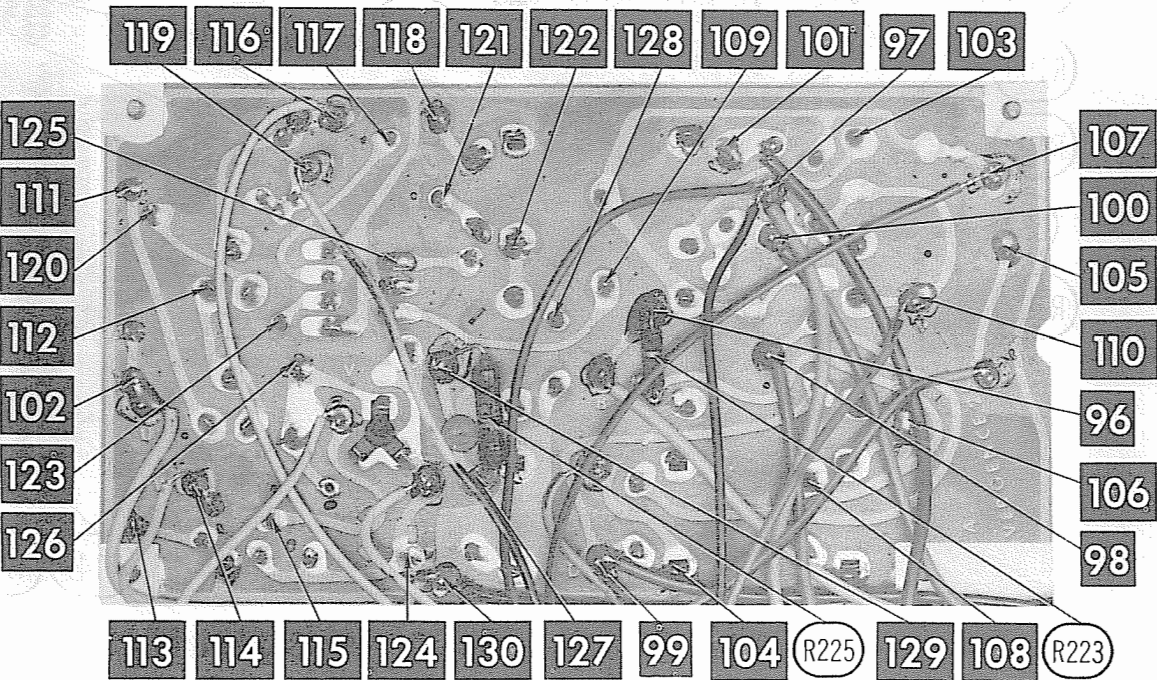
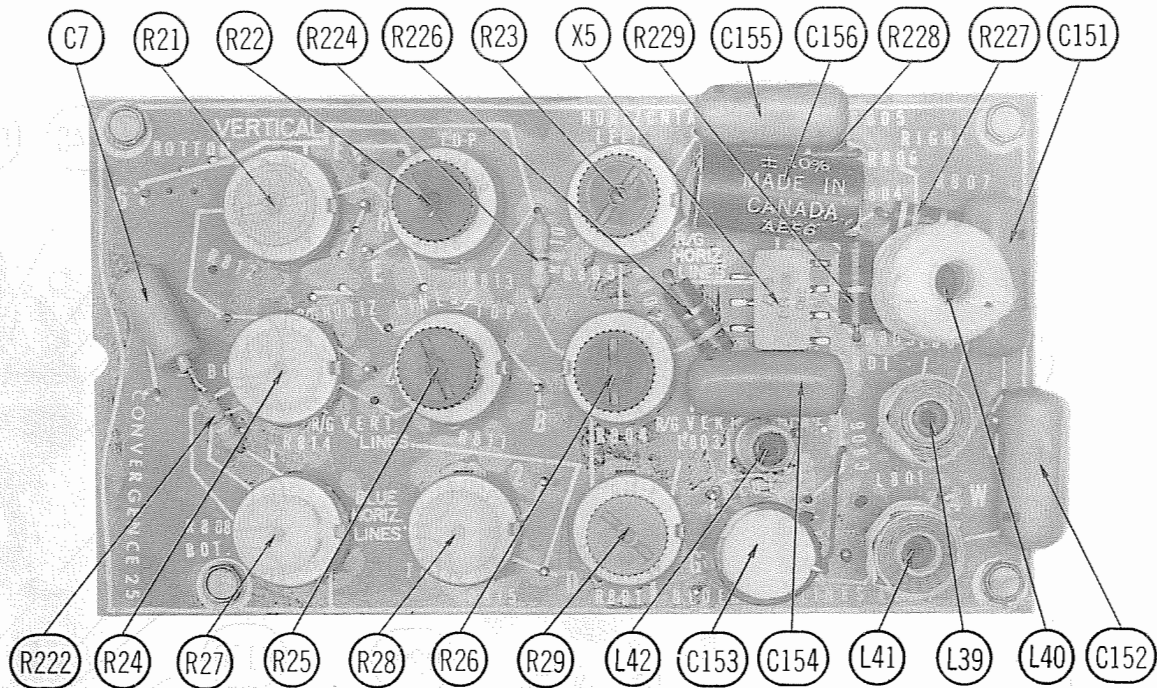
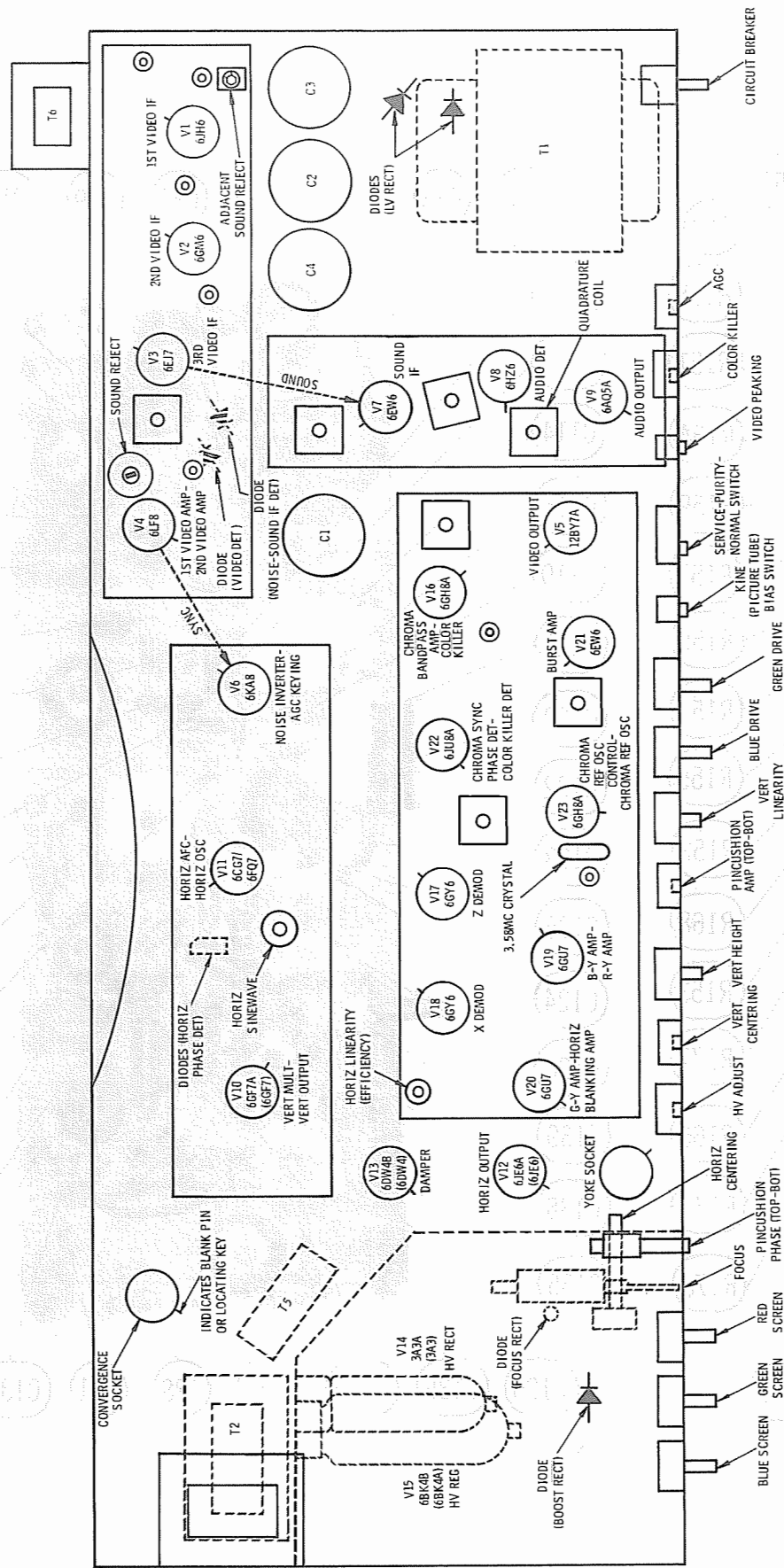


CLAIRTONE  
CHASSIS C11

FOLDER 2

V24  
25A722A  
(50P22)  
PICTURE  
TUBE

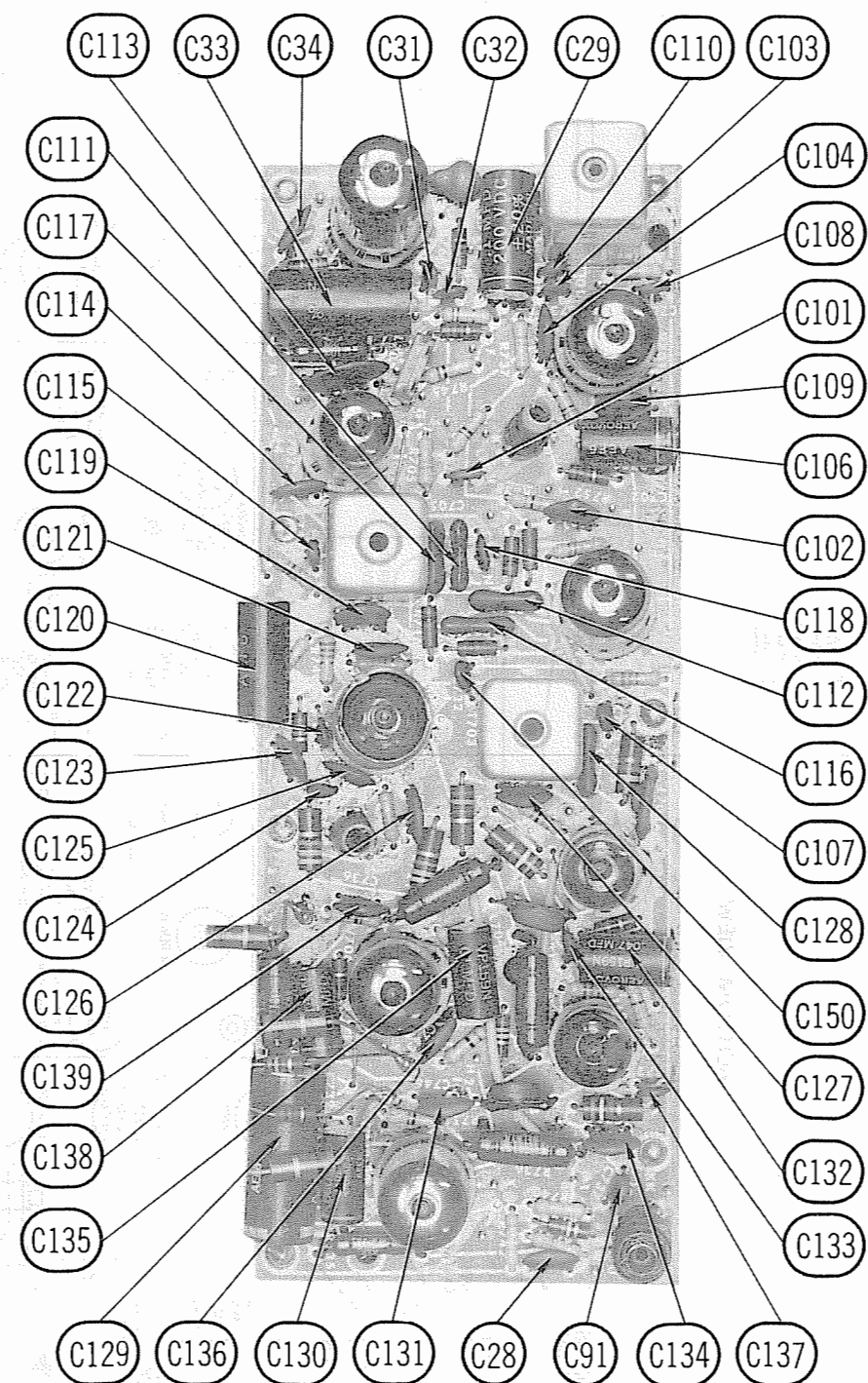
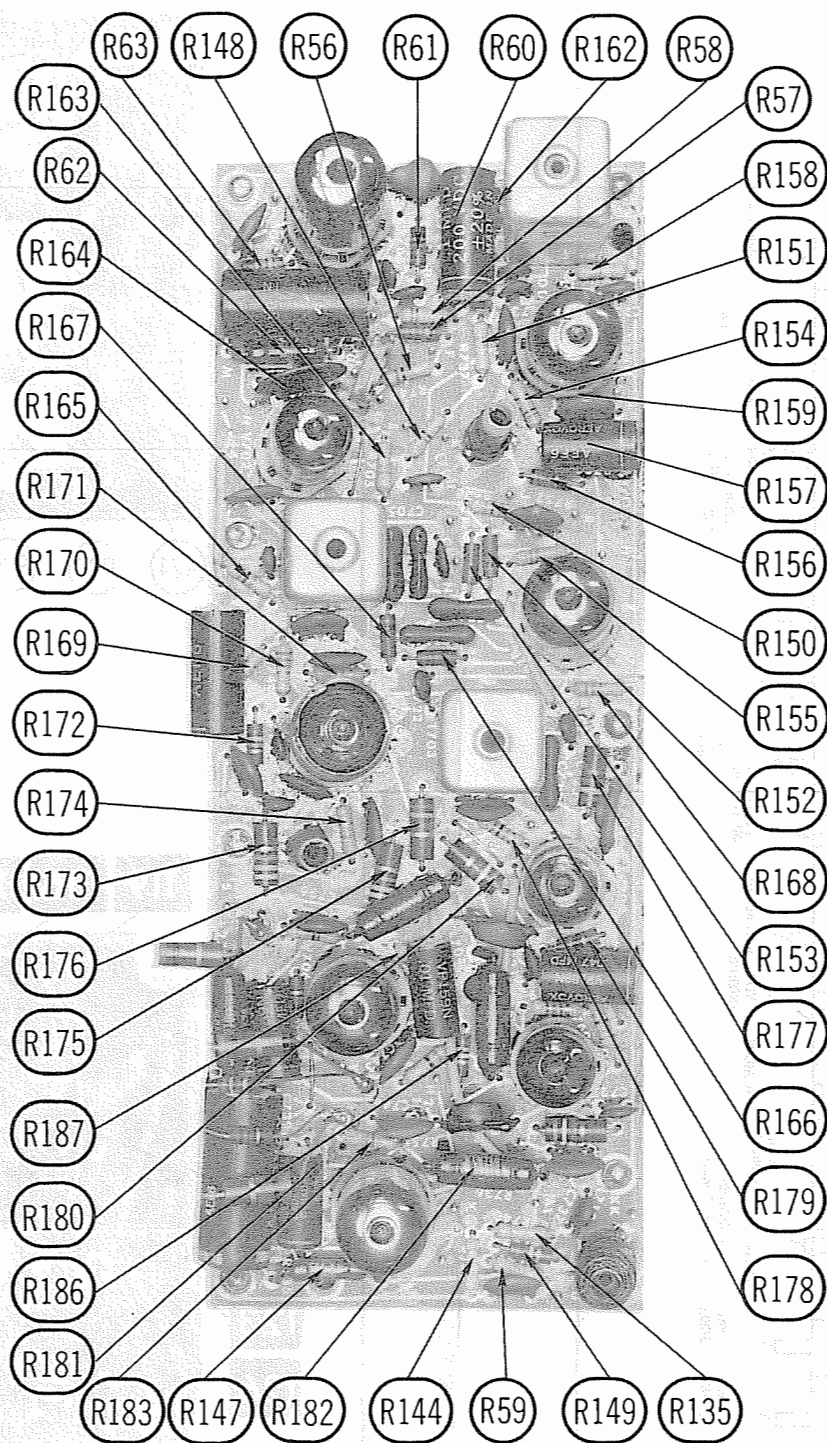
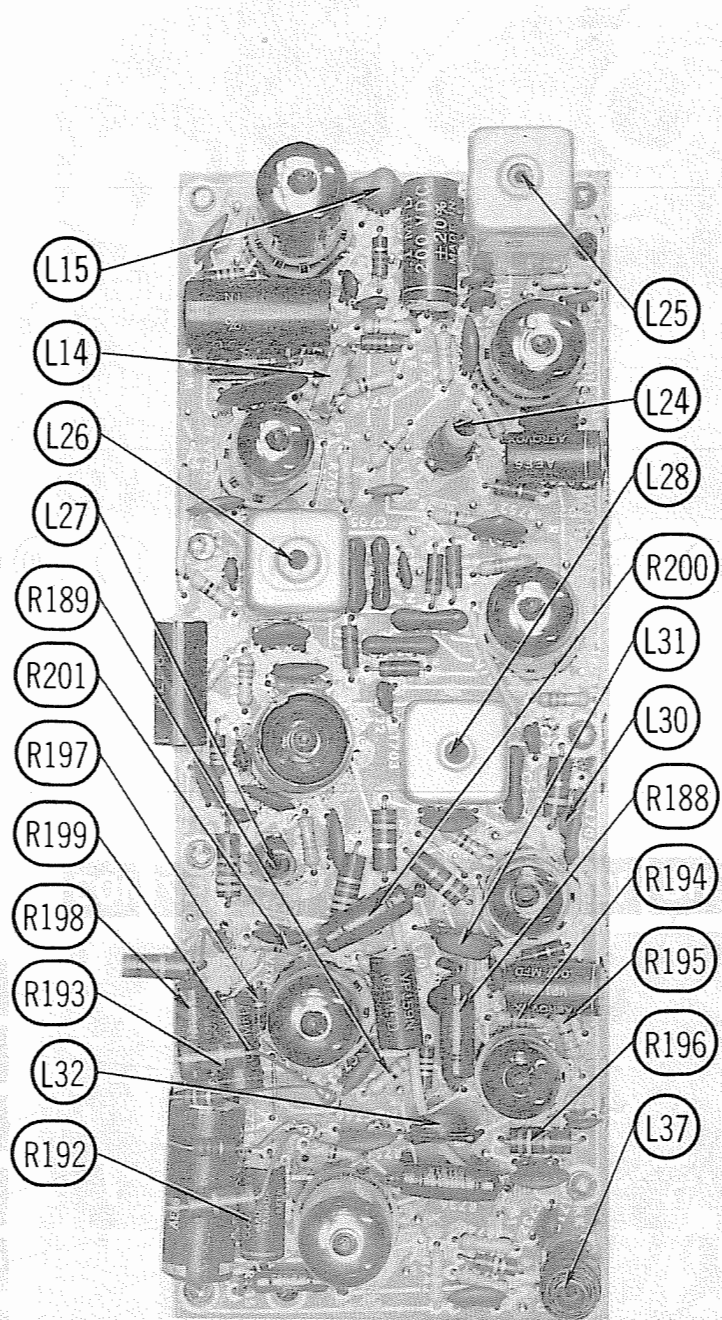
BOTTOM VIEW



CONVERGENCE BOARD

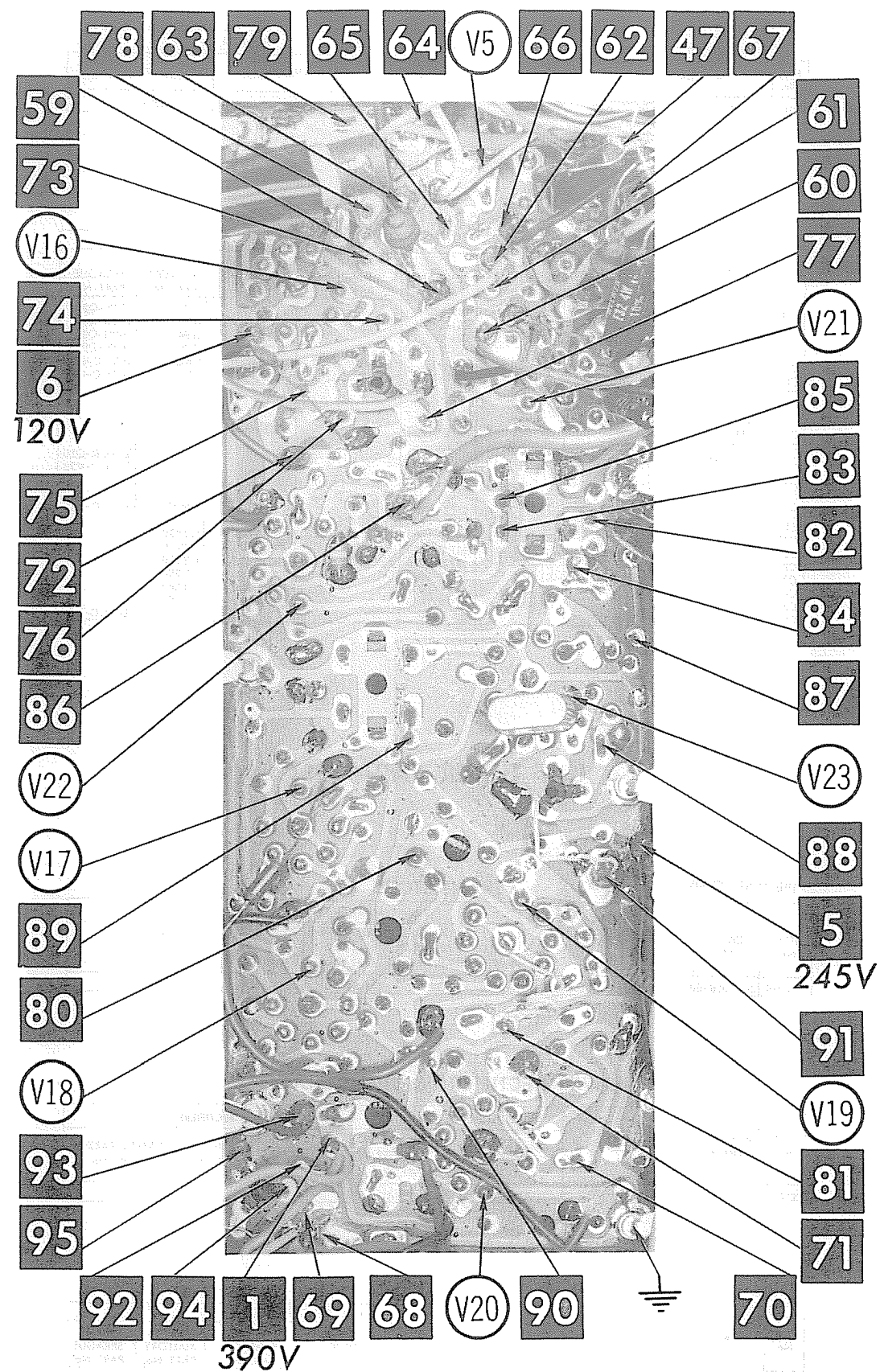
A Howard W. Sams CIRCUITRACE Photo



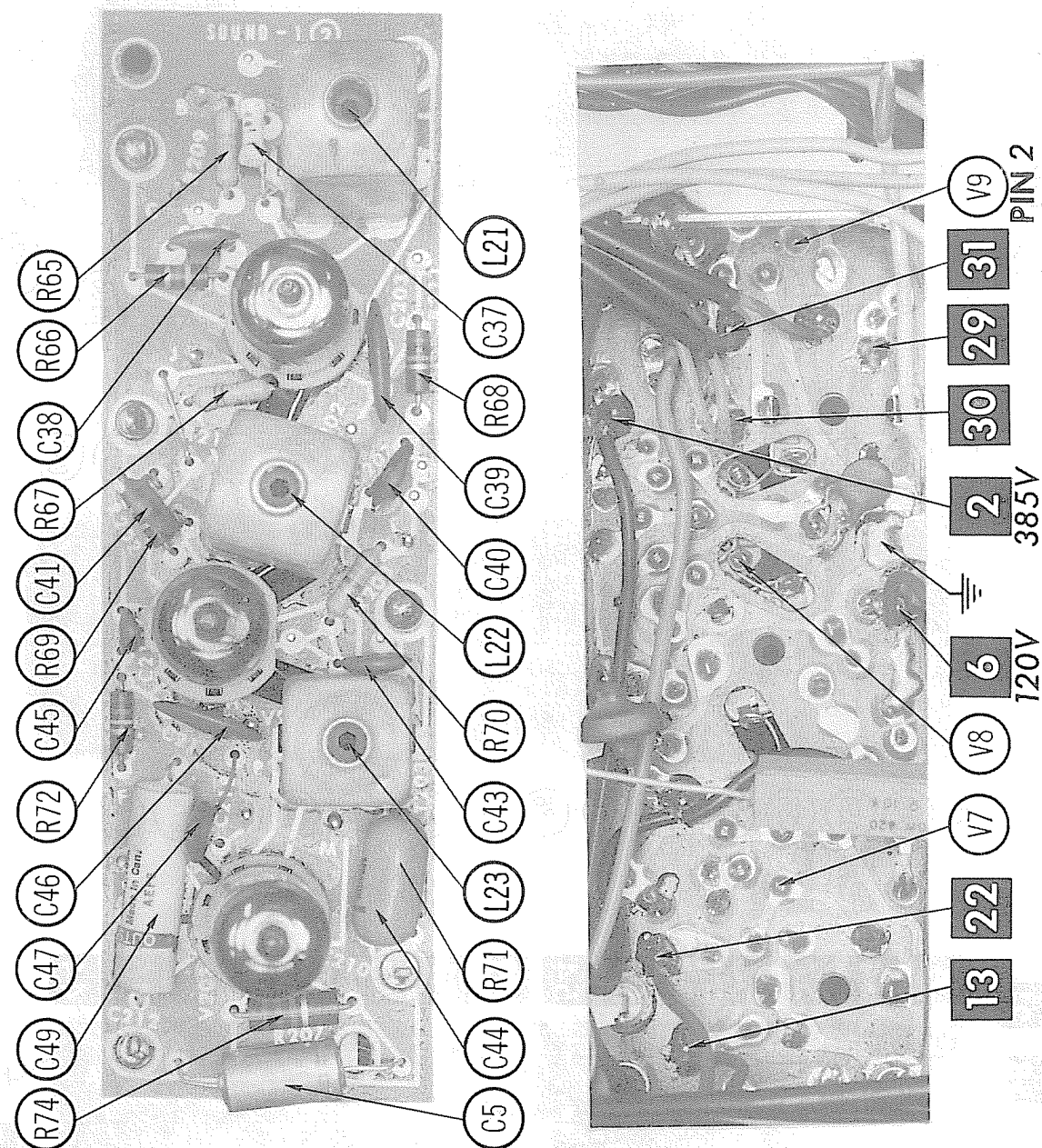


COLOR PRINTED BOARD



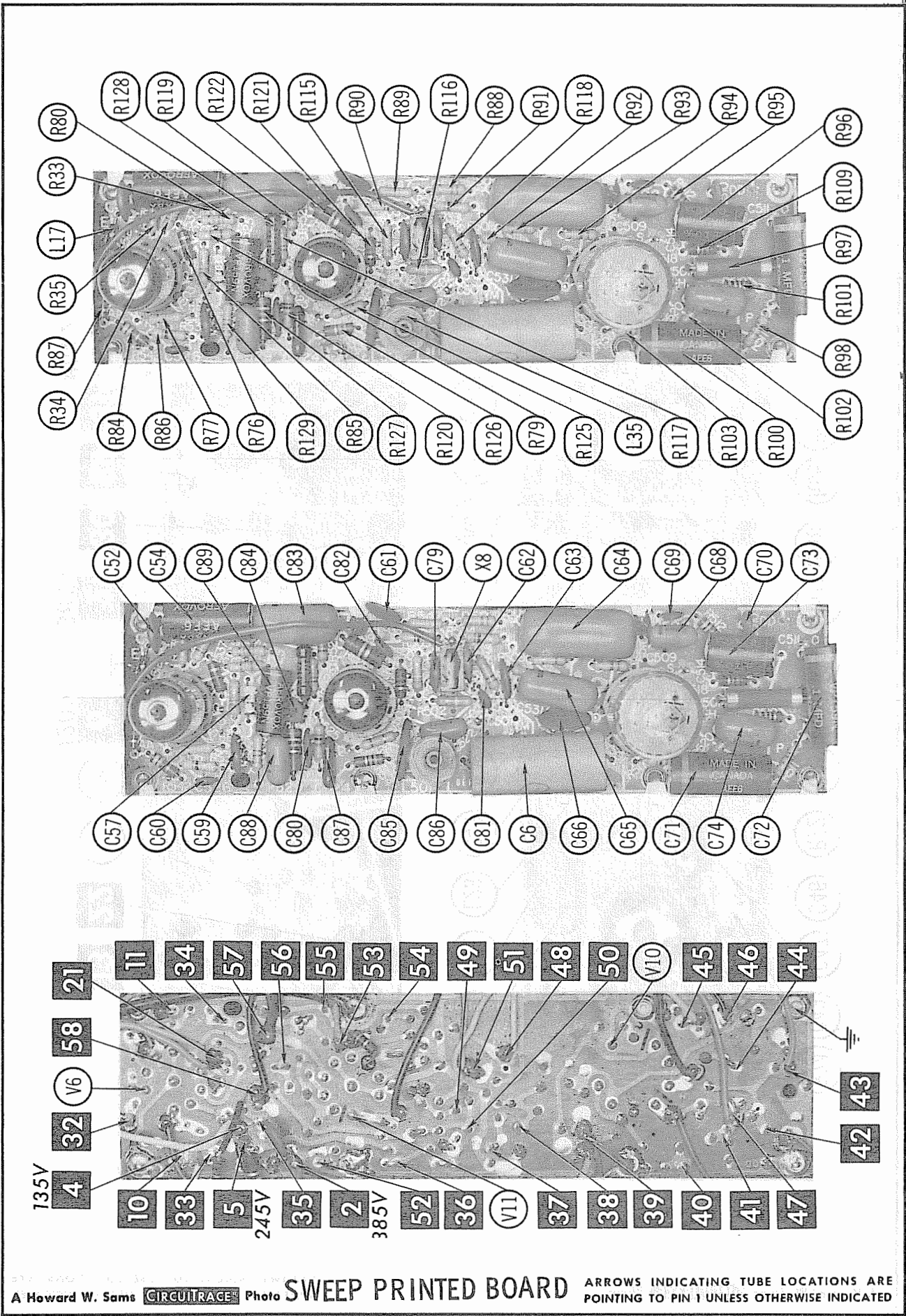


A Howard W. Sams **CIRCUITRACE** Photo **COLOR PRINTED BOARD** ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



A Howard W. Sams **CIRCUITRACE** Photo

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



A Howard W. Sams **CIRCUITAGE** Photo **SWEEP PRINTED BOARD** ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

## VHF TUNER PARTS LIST

VHF TUNER 075-004-00			TUBES				
• AMPEREX •			GENERAL ELECTRIC		• RCA •	SYLVANIA	•
ITEM No.	USE	TYPE		ITEM No.	USE	TYPE	
V201	RF Amp.	6HQ5		V202	Mixer - Osc.	6GJ7/ECF801	

## 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.
C201A	27		DI-27	DD-270		CCD-270	GP427	10TS-Q27
B	27		DI-27	DD-270		CCD-270	GP427	10TS-Q27
C	27		DI-27	DD-270		CCD-270	GP427	10TS-Q27
D	27		DI-27	DD-270		CCD-270	GP427	10TS-Q27
C202	15	5%	NFO-D1 15	DTZ-15	CZ601CG150J	CCTO-150	CNO415	10TCC-Q15
C203	12	5%		TCZ-12	CZ601CG120J	CCTO-120	CNO412	10TCC-Q12
C204	.5-4.5							
C205	30							
C206	.5-4.5		EF-001	MFT-1000		CCF-102	CT280A	
C207	.001							
C208	.5-4.5							
C209	10	N220 5%						10TCR-Q10
C210	2.2	N150						10TCP-V22
C211	.5-3.7							
C212	18	5%						
C213	1.5	10%		DTZ-1R5			CNO515	10TCC-V15
C214	.5-4.5							
C215	.001		EF-001	MFT-1000		CCF-102	CT280A	
C216	.001		EF-001	MFT-1000		CCF-102	CT280A	
C217	.001		EF-001	MFT-1000		CCF-102	CT280A	
C218	.001		EF-001	MFT-1000		CCF-102	CT280A	
C219	.001		EF-001	MFT-1000		CCF-102	CT280A	
C220	.001		EF-001	MFT-1000		CCF-102	CT280A	
C221	3	10%						10TCC-V30

## UHF TUNER PARTS LIST

UHF TUNER 075-005-00			TRANSISTORS			
ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.
Q301	24T-016-001	UHF Oscillator		GE-11	TR-24	SK-3019

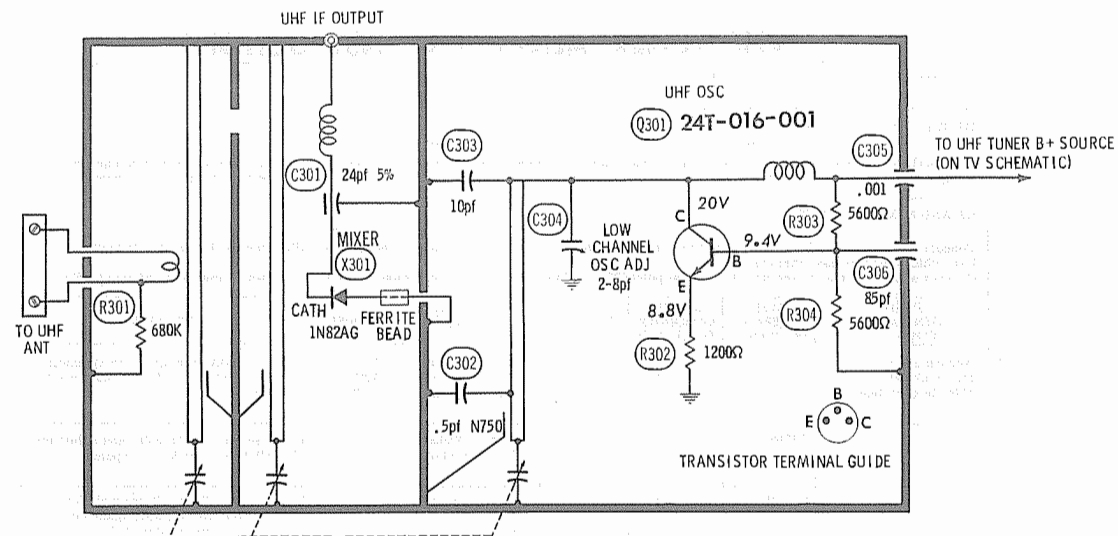
## POWER RECTIFIERS & SIGNAL DIODES

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.
X301		1N82AG	1N82A	1N82AG			

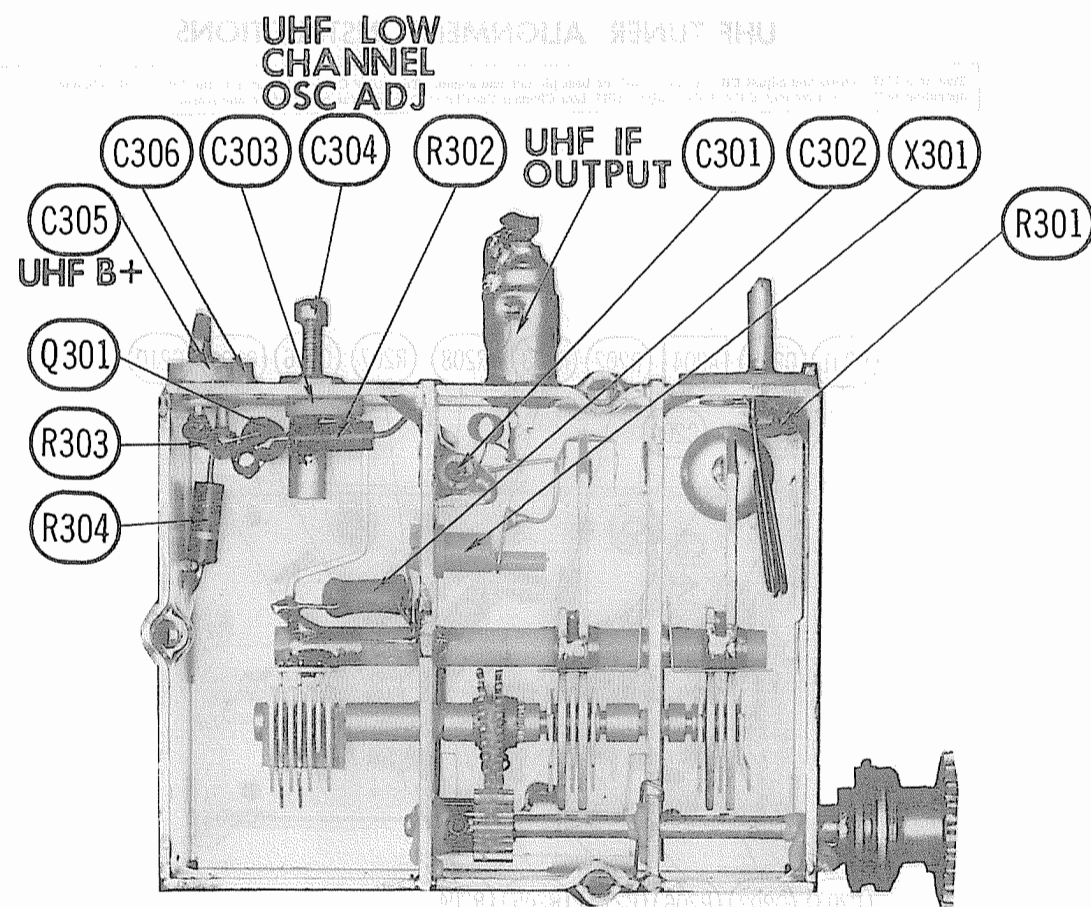
## CAPACITORS

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.
C301	24	5%						
C302	.5	N750						
C303	10							
C304	2-8							
C305	.001							
C306	85							

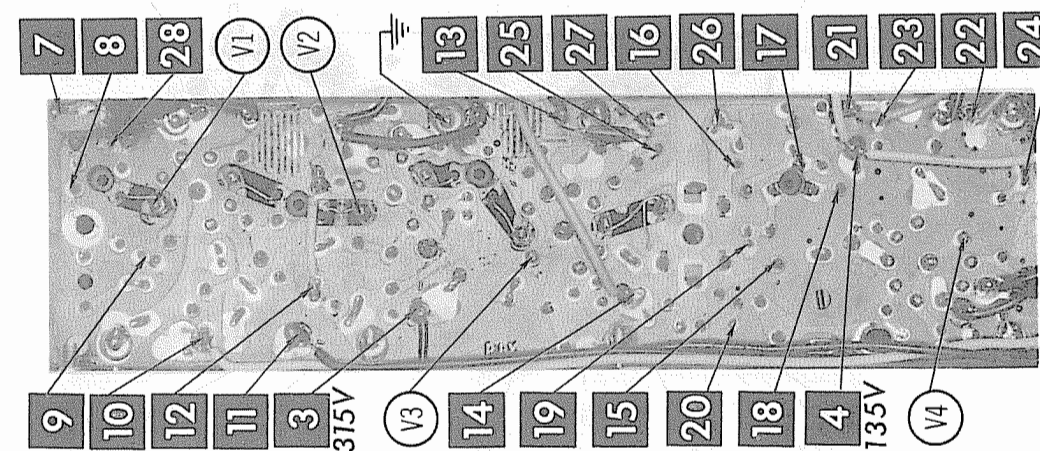
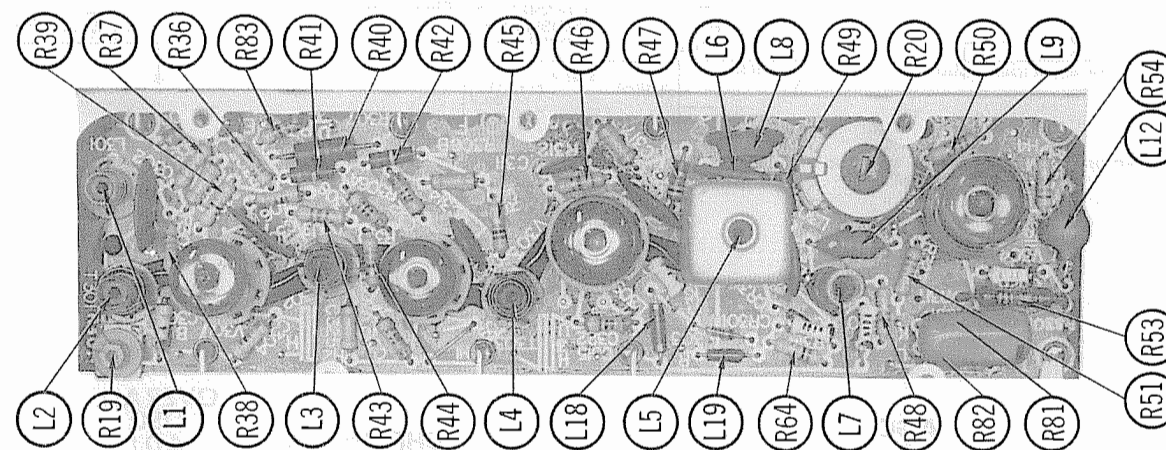
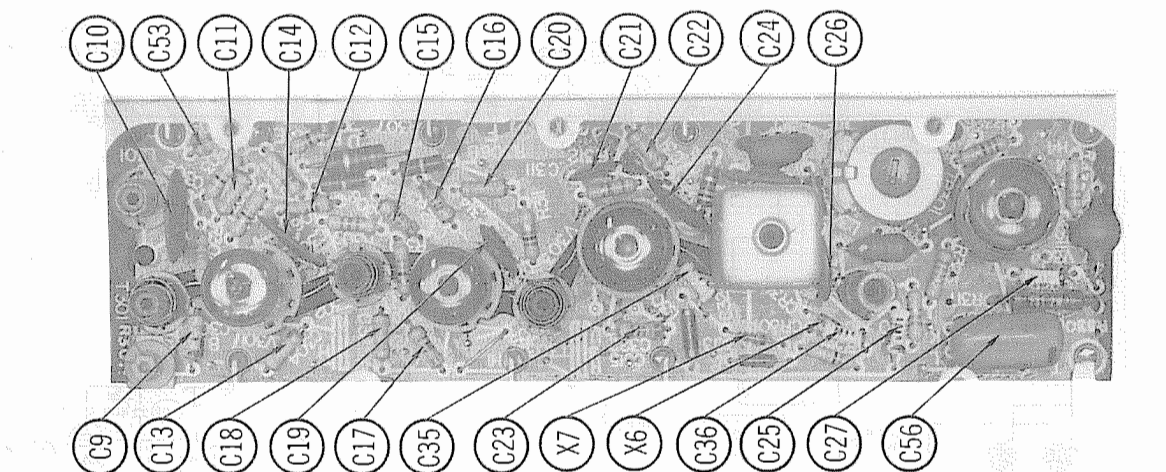




A PHOTOFACT STANDARD NOTATION SCHEMATIC UHF TUNER PART #075-005-00 (UTH-096)  
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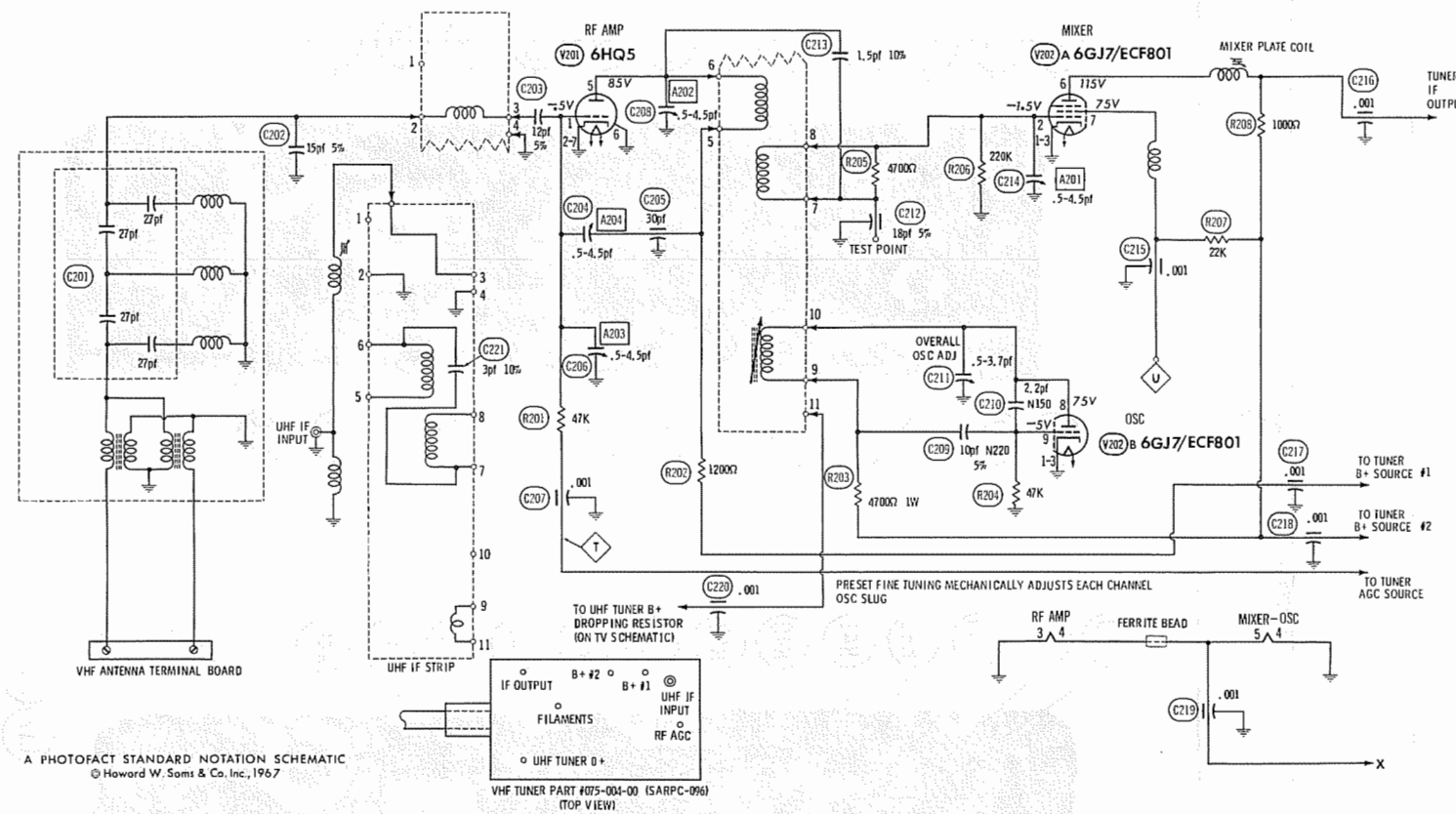
UHF TUNER 075-005-00



A Howard W. Sams CIRCUTRACE Photo VIDEO PRINTED BOARD ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

CLAIRSTONE  
CHASSIS C11

FOLDER 2



## VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: A201, A202, A203, A204 ... GENERAL CEMENT #8868, 8987, 9089  
WALSCO #2531-X, 2541, 2587

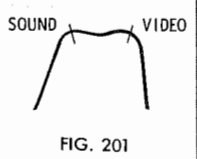
**OSCILLATOR ADJUSTMENTS**  
The oscillator for each channel is preset by means of the fine tuning control. Adjust fine tuning for best picture and sound on each channel. If any channel cannot be properly tuned in with the fine tuning, adjust overall oscillator adjustment and recheck all available channels.

**RF AND MIXER ALIGNMENT**  
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at point T. Adjust bias to obtain response curve which shows no indication of overloading.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. Across antenna terminals with 120Ω in each lead.	213MC	211.25MC 215.75MC	13	Vert. Input to Point U, low side to ground.	A201 A202, A203	Adjust for maximum gain and symmetry of response similar to Fig. 201 as shown.
2. "	195MC	193.25MC 197.75MC	10	Across Video Det. load resistor.	A204	Increase bias to -15 volts and adjust for MINIMUM amplitude of response.
3. "	See Chart	See Chart	12 thru 2	Vert. Input to Point U, low side to ground.		Reduce bias. Check all channels for response similar to Fig. 201. Make compromise adjustments of A201/2/3 if required.

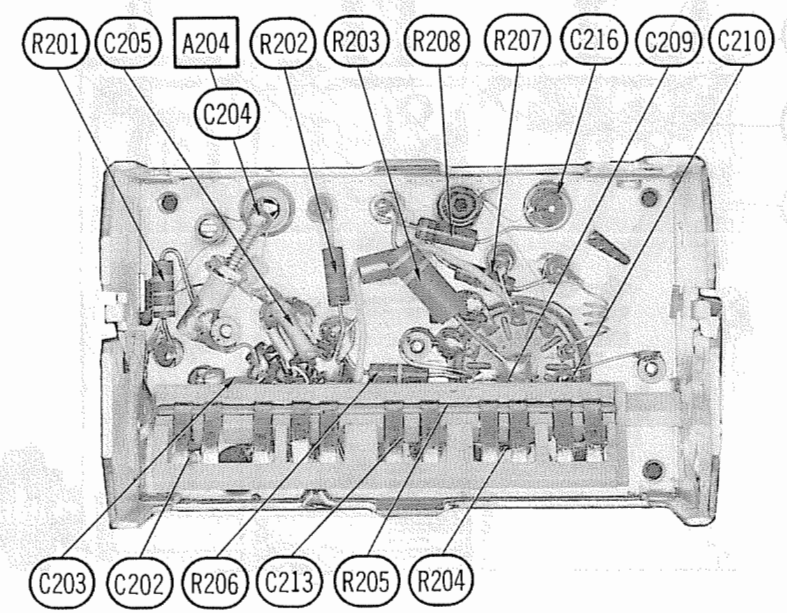
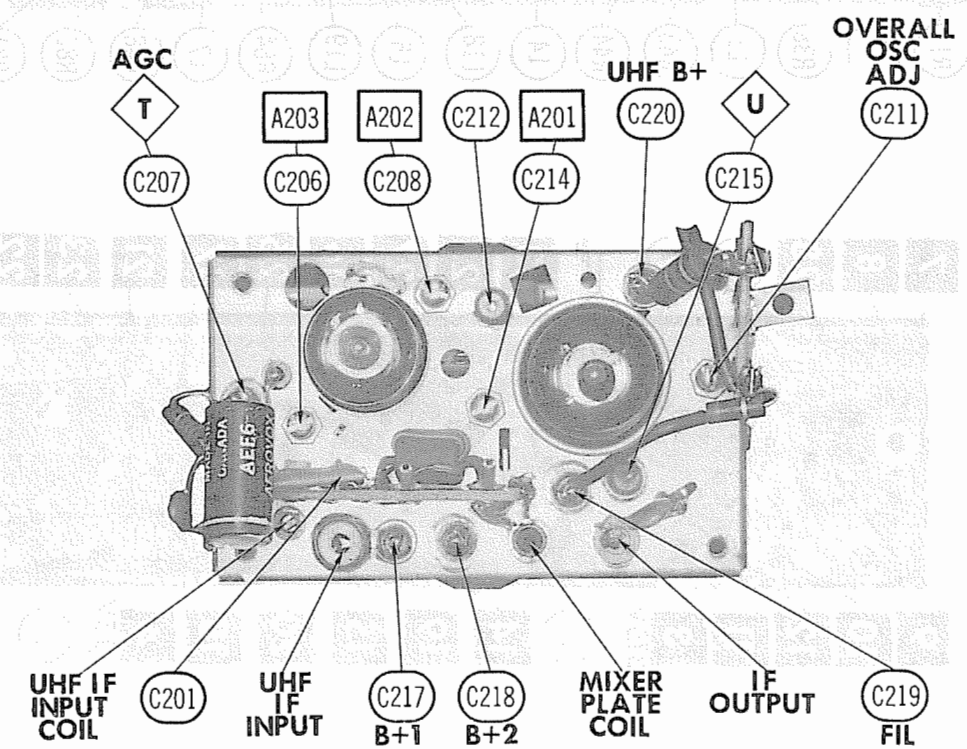
## CHANNEL & FREQUENCY CHART

SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL
57MC	55.25MC 59.75MC	2	85MC	83.25MC 87.75MC	6	195MC	193.25MC 197.75MC	10
63MC	61.25MC 65.75MC	3	177MC	175.25MC 179.75MC	7	201MC	199.25MC 203.75MC	11
69MC	67.25MC 71.75MC	4	183MC	181.25MC 185.75MC	8	207MC	205.25MC 209.75MC	12
79MC	77.25MC 81.75MC	5	189MC	187.25MC 191.75MC	9	213MC	211.25MC 215.75MC	13



## UHF TUNER ALIGNMENT INSTRUCTIONS

Tune to a UHF station and adjust UHF IF Input Coil for best picture and sound. Tune UHF Channel Selector to the lowest UHF channel operating in the area (low end of the dial). Adjust UHF Low Channel Oscillator Trimmer for best picture and sound.



VHF TUNER 075-004-00



## 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				
		CLAIRTONE PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	47.25MC Trap	83002100				TA260
L2	1st Video IF	84000400	17-3118		7514-E	T272
L3	2nd Video IF	84000500	17-3419		7511-W	TB644
L4	3rd Video IF	84000600	17-3414		7536	TA258
L5	4th Video IF/ 41.25MC Trap	84000700			6037	
L6	RF Choke (12uh)	83002300	19-2016	BC-566	72F125AP	TA823
L7	4.5MC Trap	83002400			7142	TA264
L8	Peaking (620uh)	83003100	19-2030	TV-205	6146	T326
L9	Peaking (36uh)	83002500	19-3036	TV-180	6176	T301
L10	RF Choke (5.6uh)	83003600	19-1008	SW-631	74F566AP	T820
L11	Peaking (390uh)	83002700	19-2028	TV-201	72F394AP	T870
L12	Peaking (680uh)	83002800 ①	19-3660 *	TV-206 *	72F684AP *	T327 *
L13	Peaking (72uh)	83004600	19-3075		6172	T303
L14	Peaking (62uh)	83003200	19-7068	TV-193	6110	T302
L15	Peaking (12uh)	83003300 ②	19-3125 ▲	TV-195 ▲	72F124AP ▲	T307 ▲
L16	Dual Peaking (340/120uh)	83004400			7600	
L17	RF Choke (5.6uh)	83004500	19-1008	SW-631	74F566AP	T820
L18	RF Choke (12uh)	83002600	19-2017	BC-566	72F125AP	T820
L19	RF Choke (1.8uh)	83002200	19-2010	BC-562	74F186AP	T810
L20	RF Choke (5.6uh)	83003600	19-1008	SW-631	74F566AP	T820
L21	1st Sound IF	83001700	20-1052		7143	T7299
L22	2nd Sound IF	84000800			7141	T270
L23	Quadrature	83001900	20-1052		7110-R ▲	
L24	Chroma Take-off	83001800				
L25	Chroma Bandpass	84001000				
L26	Burst Phase	84001100				
L27	Chroma Ref. Osc. Control	83002000				
L28	3.58MC Oscillator	84001200				
L29	RF Choke (5.6uh)	83003600	19-1008	SW-631	74F566AP	T820
L30	RF Choke (10uh)	83002900	19-2016	BC-566	4612	T860
L31	Peaking (620uh)	83003100	19-2030	TV-205	6146	T326
L32	Peaking (620uh)	83003100	19-2030	TV-205	6146	T326
L33	RF Choke (5.6uh)	83003600	19-1008	SW-631	74F566AP	T820
L34	RF Choke (5.6uh)	83003600	19-1008	SW-631	74F566AP	T820

① Wound on 15K Resistor.  
② Wound on 2200Ω Resistor.\* Shunt with 15K Resistor.  
▲ Shunt with 2200Ω Resistor.

▲ Clip unused pin.

## COILS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					
		CLAIRTONE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD WORKMAN PART No.
L35A	Horiz. Osc. (Freq.)	83003500		6349			TB177
B	Waveform (Sine Wave)						
L36	Focus	83004300		6350			TC289
L37	Horiz. Linearity (Effic.)	83003400				FC-5	
L38	Pincushion Phase	83004100					
L39	Dynamic Convergence	83003700					
	Right R/G Vert. lines (2mh-6.2mh)						
L40	Dynamic Convergence	83003800					
	Right R/G Horiz. lines (2.1mh-6.1mh)						
L41	Dynamic Convergence	83004000					
	Right Blue Horiz. lines (Pri. 1.9mh-5.7mh) (Sec. 30uh-50uh)						
L42	Blue Horiz. Shape	83003900					
L43	Convergence Yoke Assembly	86001500 (25")					
	A Blue Section						
	B Green Section						
	C Red Section						

## FILTER CHOKE

ITEM No.	RATINGS		REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	CLAIRTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
L44	.485A DC	13Ω	4.3 H	86001100	C-4133	C-2708	26C81	C-40X

## TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	CLAIRTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ 3.3A AC	170VAC @ .52A DC	6.3VAC @ 1.1A AC	86000800					
		SEC. 3							
		6.3VAC @ 11.5A AC							

## \* TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		CLAIRTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	Vert. Output	86001000	A-1139C	VO-700C	26S86	A-304X	① Drill 1/2" hole in mounting bracket for leads.
T3	Yoke (Horiz. 12.7mh) 90° (Vert. 24.5mh)	86001400				YC-312-2	
T4	Horiz. Output	86001200	HVO-234C ①	HO-601C ①		D-304 ①	
T5	Pincushion Corrector (Top and Bottom)	86001300					

## \* COMPONENT CONNECTION DATA

ORIGINAL →	HV TRANSFORMER					VERTICAL OUTPUT					YOKE				
	Original Connections					Original Connections					Original Connections				
REPLACEMENT ↓	P	D	C	1	C	2	F	C	B	B	Blue	Red	Green	White	Orange
MERIT	SAME AS ORIGINAL					CONNECT SAME AS ORIGINAL									
STANCOR	SAME AS ORIGINAL					CONNECT SAME AS ORIGINAL									
THORDARSON						CONNECT SAME AS ORIGINAL									
TRIAD	SAME AS ORIGINAL					CONNECT SAME AS ORIGINAL					No Wiring Change Necessary				

## TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	CLAIRTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T6	5000Ω	3-4Ω	86000900	A-2930	A-3877	24S51	S-3X	

## SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		CLAIRTONE PART No.	JENSEN PART No.	QUAM PART No.	
SPI		55001600			

## FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA						
			PART No.		LITTELFUSE PART No.		BUSS PART No.		
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER	
F1	Circuit Breaker		82004400						
F2	3" length of #26 fuse wire								

## MISCELLANEOUS

ITEM No.	PART NAME	CLAIRTONE PART No.	NOTES
M1	VHF Tuner	075-004-00 (SARPC-096)	
M2	UHF Tuner	075-005-00 (UTH-096)	
M3	Crystal	80000900	3.58MC
M4	Spark Gap		
M5	Spark Gap		
M6	Spark Gap		
M7	Spark Gap		
M8	Spark Gap		
M9	Spark Gap		
M10	Magnet	07104400	Blue Lateral - Purity
M11	Delay Line	83004200	
M12	Motor	93000100	Remote Control
M13	Degaussing Coil	89000300	
S1	Switch	53001700	
S2	Switch		Power Tuning
S3	Switch	53001600	Tuner Program
S4	Switch	53001600	Motor Switch
S5	Switch	53001600	Video Peaking
S6	Switch	53001600	Kine (Picture Tube) Bias
	Printed Circuit Board	06050200	Service-Purity-Normal
	Printed Circuit Board	06050100	Sound Assembly
	Printed Circuit Board	06050300	Video Assembly
	Printed Circuit Board	06050500	Chroma Assembly
	Printed Circuit Board	06050400	Convergence Assembly
	Printed Circuit Board		Deflection Assembly

## CABINETS &amp; CABINET PARTS

(When Ordering Specify Model, Chassis &amp; Color)

ITEM	PART No.	ITEM	PART No.
Knob - UHF	41031200	Knob - VHF Channel Selector	46000400
Knob - VHF Fine Tuning	46000500	Knob - Tint	46000701
Knob - Volume	46000700	Mask (without trim)	41003111
Knob - Color and Brightness	41031400		

## 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. 8069 (17KV) or 8066 (25KV)
Shielded Hook-up Wire .....	Use BELDEN No. 8885 (Single Conductor) 8738 (Two Conductor)
General-use Unshielded Hook-up Wire .....	Use BELDEN No. 0530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type) .....	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
300Ω Tuner Input Lead .....	Use BELDEN No. 8235
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

• AMPEREX •			• GENERAL ELECTRIC •			• RCA •			• SYLVANIA •		
ITEM No.	USE	TYPE		ITEM No.	USE	TYPE		ITEM No.	USE	TYPE	
Q301	UHF Osc. (Transistor)	2AT-016-001		V12	Horiz. Output	6JE6A					
V201	RF Amp.	6HJQ5		V13	Damper	6DW4B					
V202	Mixer - Osc.	6G37/ECF801		V14	HV Rectifier	3A3A					
V1	1st Video IF	6JH6		V15	HV Regulator	6BK4B/A					
V2	2nd Video IF	6GM6		V16	Chroma Bandpass Amp. - Color Killer	6GH8A					
V3	3rd Video IF	6EJ7		V17	Z Demodulator	6GY6					
V4	1st Video Amp. - 2nd Video Amp.	6LF8		V18	X Demodulator	6GY6					
V5	Video Output	12BY7A		V19	B-Y Amp. - R-Y Amp.	6GU7					
V6	Noise Inverter - AGC			V20	G-Y Amp.						
V7	Keying - Sync Separator	6KA8			Horiz. Blanking Amp.	6CU7					
V8	Sound IF	6EW6		V21	Burst Amp.	6EW6					
V9	Audio Detector	6H26		V22	Chroma Sync Phase Det. - Color Killer Detector	6JU8A					
V10	Audio Output	6AQ5A									
V11	Vert. Mult. - Vert. Output	6GF7A		V23	Chroma Ref. Osc. Control - Chroma Reference Osc.	6GH8A					
	Horiz. AFC - Horiz. Osc.	6CG7/6FQ7									

## PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	CLAIRTONE PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V24	25AP22A ① 25GP22A 25UP22A	25AP22A ①	25AP22A ① 25AP22A ①	RE25AP22A ② RE25AP22A ②	① Aluminized ② Color Bright "85"

## POWER RECTIFIERS &amp; 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	.52A	80001000	GE-504A	5A4-D or 8D4	1N1096 or VB600 ①	SK-3016 or SK-3017A	F-4 or S-5960-2 ①
X2	.52A	80001000	GE-504A	5A4-D or 8D4	1N1096 or VB600 ①	SK-3016 or SK-3017A	F-4 or S-5960-2 ①
X3			GEGR-2	61-8968			S-880
X4			GEGR-1	61-8969			S-880
X5	80000800		GE-504A ② or GE-505 ②	8D4 ② or 5A4-D ②	A50 ② 1N536 ②		S-5462 or 40C ②
X6		80051700 (1N295)	1N295	1N295			
X7		80051700 (1N295)	1N295	1N295			
X8		80000700	6GC1	DD04			

① A single unit replaces X1 and X2.

② Four (4) required.

## ELECTROLYTIC CAPACITORS

	RATING		REPLACEMENT DATA					
ITEM No.	CAP.	VOLT.	CLAIRTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	160	250	76016110	AFH51-31-81 ①	AA0316 ①	XC1-19 ①	WP131.5 ①	TVL-1541 ①
C2A	160	250	76016140	AFH4-108-38	DD0818		PFP427.69	TVL-4714.6
B	30	450						
C	20	450						
D	50	150						
C3A	30	450	76080040	AFH4-108-35	DD0825.5		FM27.67	TVL-4714.6
B	50	450						
C	20	250						
D	50	50						
C4A	2	350	76080020	AFH2-98	AA0510 &	XC2-1	PFP230.7	TVL-2785.5
B	30	450			BR2-450			
C5	60	25	76080006	CRE620A	NLW75-25	MT1-20	TT25X75	TE-1210
C6	50	150	76050009	PRS1480	BR50-150	MT1-7	TC49	TV4-1404
C7	10	70	76010009	PRS1410	NLW10-100	MT1-7	TT100X10	TE-1417

## CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENC0 PART No.	MALLORY PART No.	SPRAGUE PART No.
C8	33 N330 5%	(47) ↑ #71009000	NPO-DI 150	DTZ-150	JBS601Y P102K	CCTO-151	CNO315	10TCC-Q33
C9	150 NPO 5%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C10	150 NPO 5%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C11	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C12	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C13	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C14	680 N2200 10%	#70068101		DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C15	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C16	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C17	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C18	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C19	220 N1500 10%	#70022101	DI-1100	DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C20	.001 10%			DD-222	JBS601Y P102K	CCD-102	GP210	10TS-D10
C21	.0022 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C22	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C23	.001 10%			DD-102	JBS601Y P102K	CCD-102	GP210	10TS-D10
C24	560 N130 5%	#70056101		DTZ-15	CZ601CG150J	CCTO-150	CNO410	10TCC-Q10
C25	10 NPO 5%			DD-101	JBZ601Y P101K	CCD-101	GP310	10TS-T10
C26	100 10%			DD-3R3	JBZ601Y P101K	CCD-101	GP310	10TS-T10
C27	3.5 10%	(5.5) ↑		DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C28	.01 200V			DD-222	JBS601Y P102K	CCD-222	GP222	10TS-D22
C29	.0022 10%			DD-391	JBS601Y P102K	CCD-391	GP391	10TS-T39
C30	.0022 10%			DD-391	JBS601Y P102K	CCD-391	GP391	10TS-T39
C31	390 10%			DD-391	JBS601Y P102K	CCD-391	GP391	10TS-T39
C32	390 10%			DD-391	JBS601Y P102K	CCD-391	GP391	10TS-T39
C33	.22 200V			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C34	.01 10%	#243213	DI-1000	DTZ-15	CZ601CG150J	CCTO-150	CNO410	10TCC-Q10
C35	1.5 NPO 5%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C36	10 N1500 5%	#243210		DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C37	.01 N1500 5%	#243212		DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C38	750 N2200 5%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C39	.01 10%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C40	.01 10%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C41	.01 10%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C42	.01 10%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C43	.01 10%			DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C44	.047 200V 10%		DI-560	DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C45	560 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C46	.0068 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C47	.0027 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C48	.0047 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C49	.001 2KV 10%	#243211		DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C50	.003 200V			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C51	.001 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C52	.01 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C53	.001 10%			DD-561	JBY601Y P61K	CCD-561	GP356	10TS-T56
C54	.1 200V		DI-180	DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C55	180 1KV 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C56	.1 400V			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C57	.001 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C58	220 N1500 10%	#70022101		DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C59	.0033 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C60	390 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C61	.001 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C62	.01 NPO 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C63	.0015 10%			DD-181	JBY601Y P81K	CCD-181	GP381	10TS-T81
C64	.47 200V 10%		DI-680	DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C65	.036 600V 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C66	.0027 N5600			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C67	.0022 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C68	.0068 400V 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C69	680 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C70	680 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C71	.1 600V 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C72	.01 600V 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C73	.0082 1KV 10%			DD-681	JBY601Y P68K	CCD-681	GP368	10TS-T68
C74	.047 200V 10%		DI-820	DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C75	.0033 1.6KV			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C76	470 2KV 10%	#79000200		DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C77	470 2KV 10%	#79000200		DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C78	.18 200V 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C79	.68 NPO 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C80	.001 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C81	.27 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C82	.020 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C83	.15 200V 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C84	820 10%		DI-820	DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C85	390 1.5KV 5%	#70039101		DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C86	.01 400V 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C87	680 5%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C88	.0015 600V 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C89	.01 600V 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C90	.1 600V			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C91	150 10%			DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C92	68 N1500 4KV 10%	#70068001		DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C93	130 6KV	#70013100		DD-821	JBY601Y P82K	CCD-821	GP382	10TS-T82
C94	.01 1KV		DI-10000	DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C95	.01 1KV			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C96	.01 1KV			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C97	.22 N750			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C98	.022 600V 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C99	.068 200V 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C100	.033 600V 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C101	120 N750			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C102	.01 5%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C103	.047 5%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C104	.01 10%		DI-10000	DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C105	1.3 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C106	.047 200V 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C107	5.6 NPO ±.5	#71006001 (6)†		DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C108	820 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C109	.01 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C110	.001 1KV			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C111	330 5%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C112	330 5%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C113	.01 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C114	.01 10%			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10
C115	.001 1KV			DD-10001	JBS601Y P102K	CCD-10001	GP210	10TS-D10

## 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.	ELMENC0 PART No.	MALLORY PART No.	SPRAGUE PART No.
C116	330		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	MS-333	MS-333
C117	330		ADM-15-331	CPR-330J	CD15F331J500	DM-15-331J	MS-333	MS-333
C118	120 10%		DI-120	DD-121	BYX601Z U103M	CCD-121	GP312	10TS-T12
C119	.01 10%		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C120	.1 200V		DBE2P1	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C121	.01		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C122	3.9 NPO ±.5		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C123	.01		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C124	10 NPO 10%		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C125	.01		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C126	82 NPO 10%		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C127	.01		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10
C128	200 5%		DI-10000	DD-103	BYX601Z U103M	CCD-103	GP110	10TS-S10