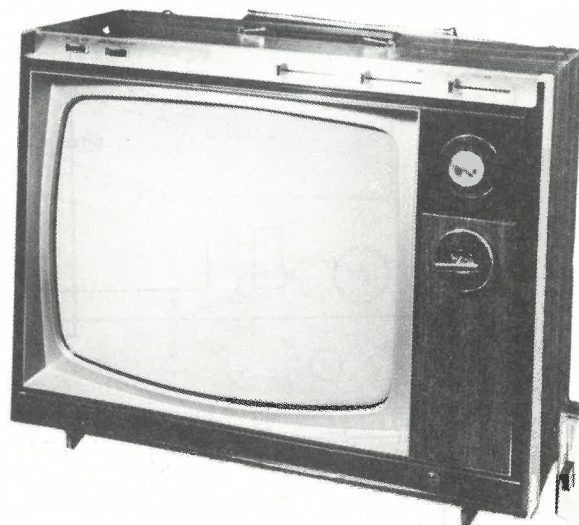


MODEL	CHASSIS
D3720L/L1/L2	14DC15
D3722W/W3	14DC16
SD1610R *	14DC16

* Uses Remote Transmitter
#S-93255 and Remote
Receiver #S-89741.



MODEL SD1610R

SAFETY PRECAUTIONS

Make sure line voltage does not exceed rating of set.
Check high-voltage regulation and adjust to correct value.
Be sure shields and rear cover are in place and secure.

Beware of shock from high voltage or AC line.
Discharge high voltage to HV cage only.

Use extreme care when handling picture tube. Do not bump, scratch, or exert undue strain.

CAUTION: One side of AC line connected to chassis. Use isolation transformer for servicing.
Make certain isolation networks are in place and exposed metal is safe to touch before returning set to customer.

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

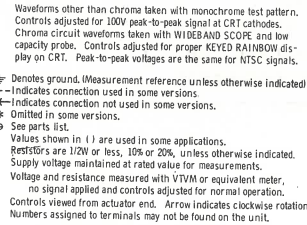
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 3PB621



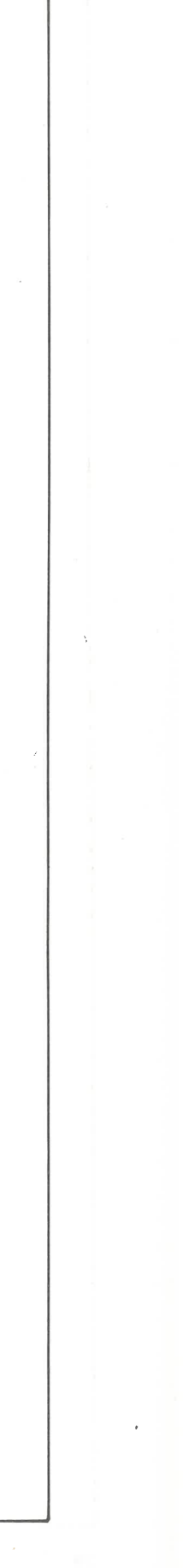
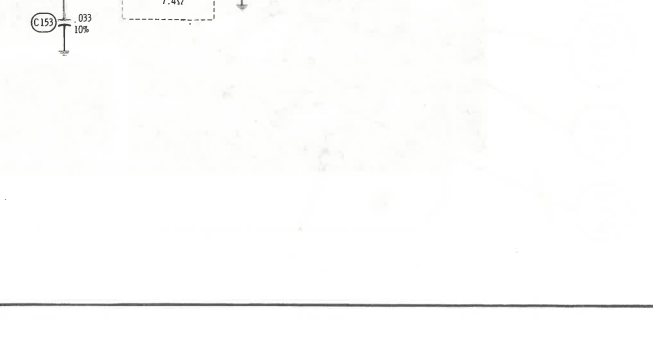
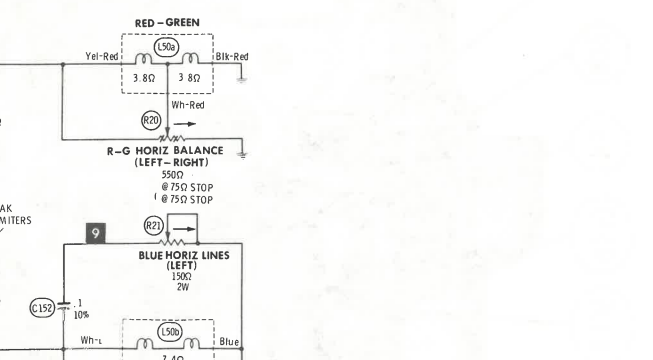
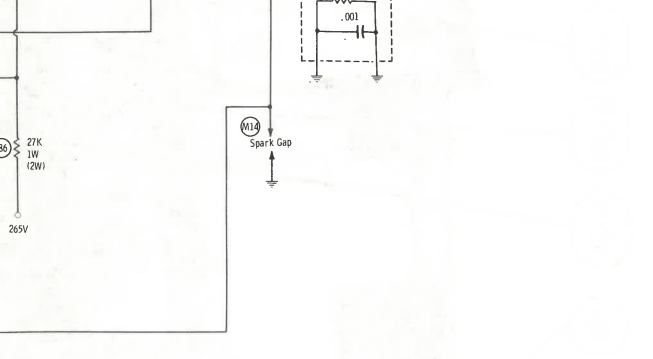
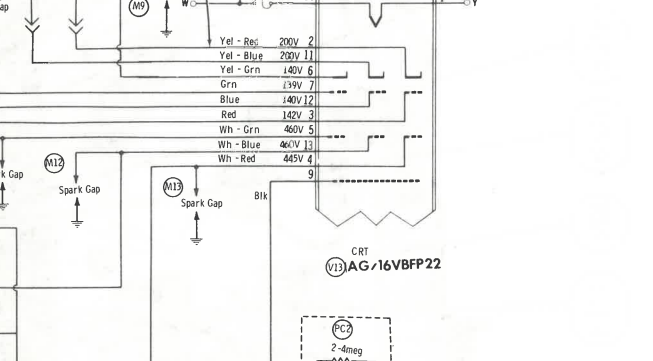
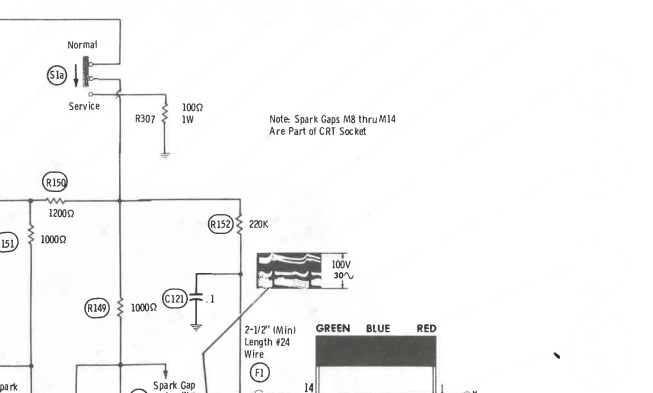
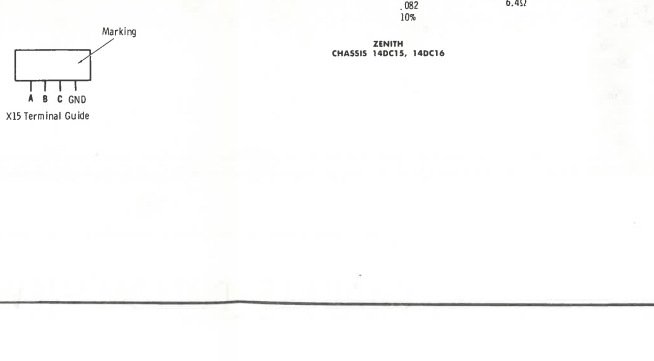
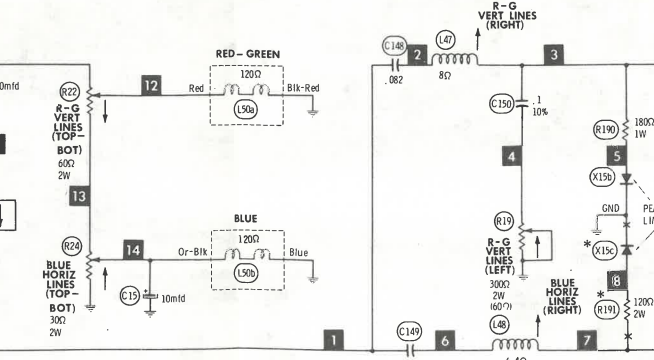
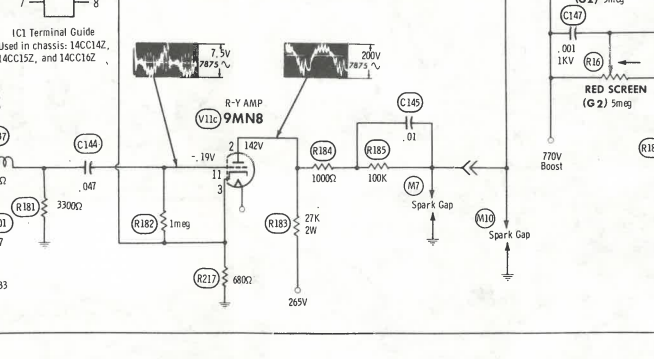
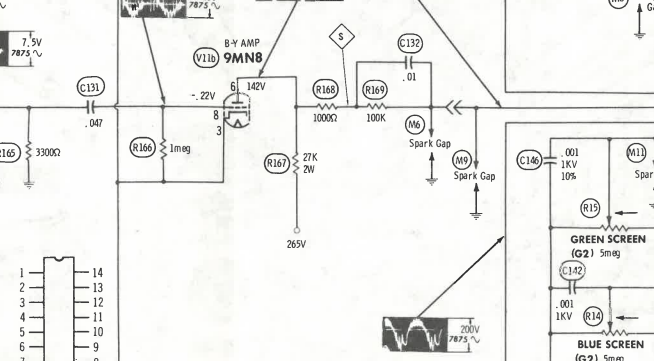
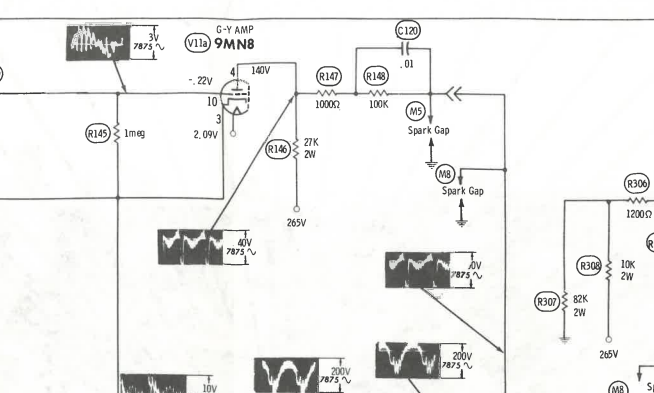
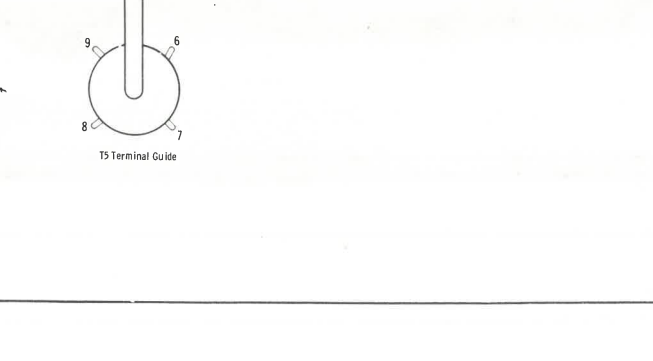
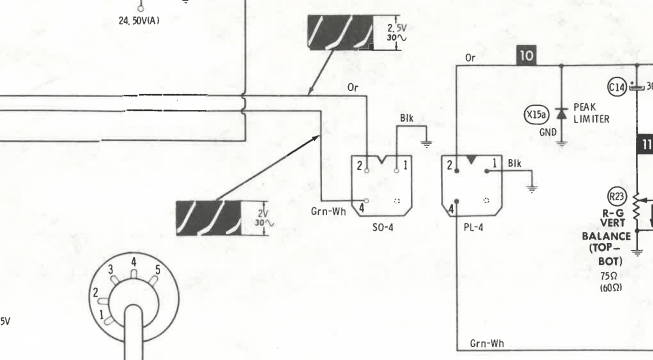
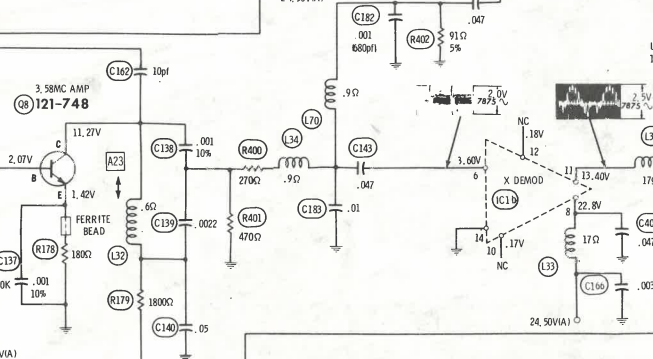
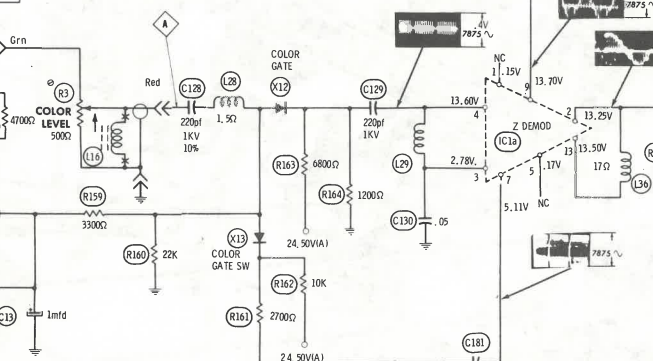
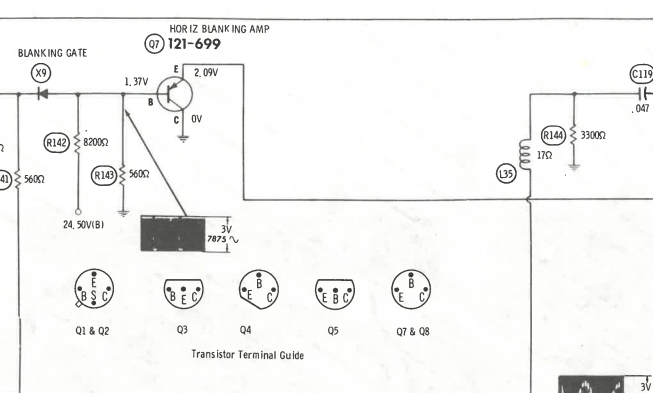
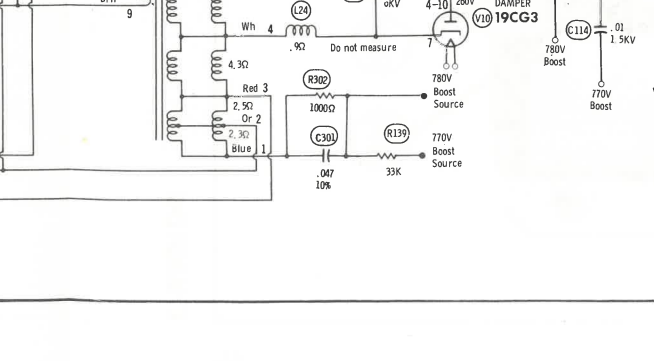
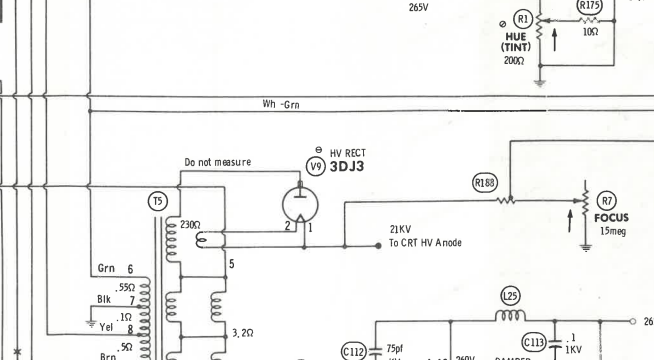
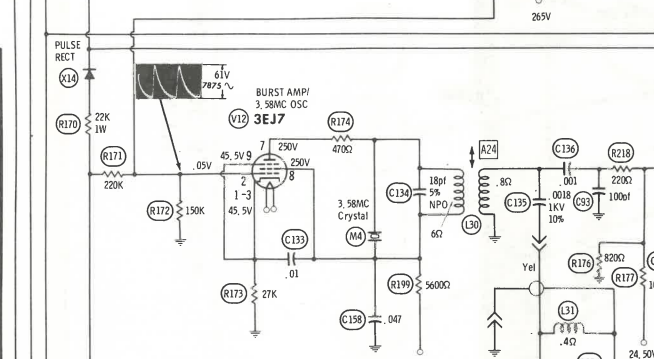
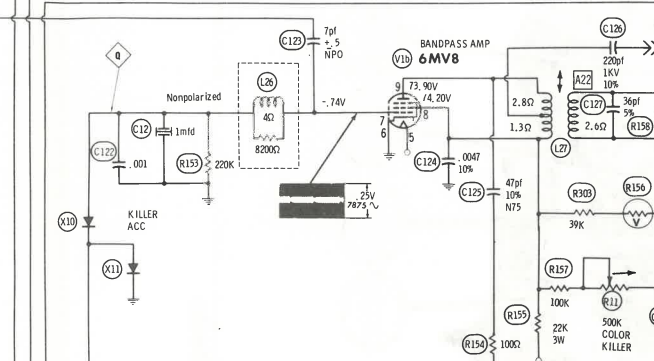
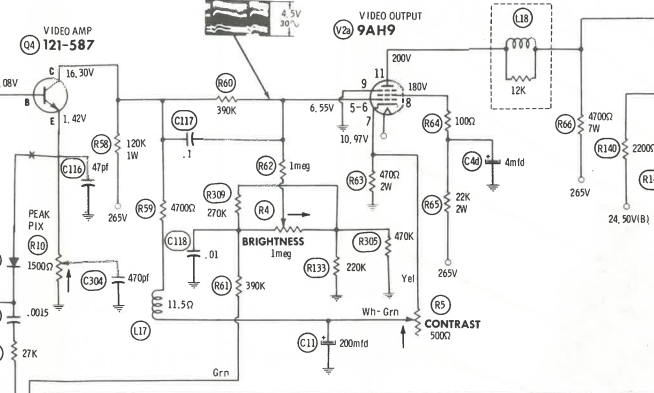
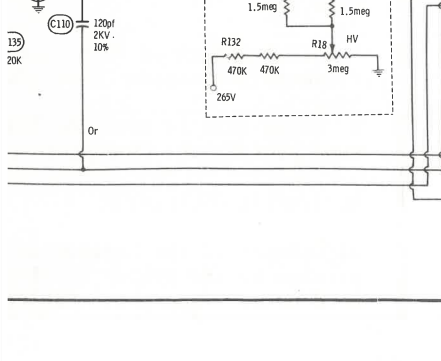
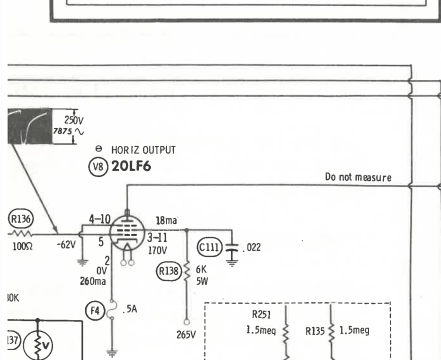
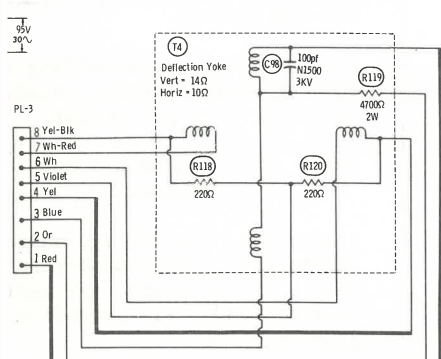
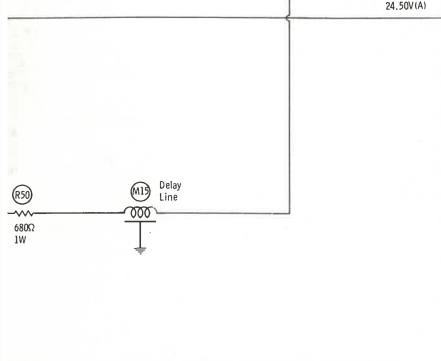
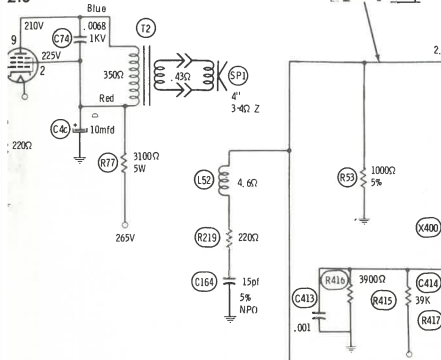
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DATE 3-73

SET 1304 FOLDER 3



DIO OUTPUT
Z10



RESISTANCE MEASUREMENTS

ITEM		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		1700Ω	3300Ω ●	27K †	3.4Ω	2.5Ω	0Ω	90K ●	22K †	22K †				
V2		12Ω	105K	54Ω †	470Ω	3meg	3meg	470Ω	22.1K †	0Ω	TP	3500Ω †	10Ω	
V3		0Ω	100K	30K †	3.4Ω	5Ω	68Ω	5000Ω ●	33K †	14K †				
V4		7Ω	1217Ω †	220Ω	470K †	3.8Ω	15K †	1Ω	350Ω	3500Ω †	TP	10K	5Ω	
V5		4500Ω	15K †	650K †	7Ω	7.5Ω	37K	470K	65K †	10meg †				
V6		11Ω	10meg †	TP	417Ω †	TP	2.2meg	NC	12K †	500Ω	850K	0Ω	8Ω	
V7		13Ω	17Ω †	6800Ω	0Ω	68K †	1200Ω	2meg	NC	100K	39K	35K	13Ω	
V8		15Ω	0Ω	6000Ω †	0Ω	6meg	NC	TP	NC	NC	NC	6000Ω †	14Ω	4Ω †
V9		PINS 1 THRU 8 HAVE INFINITE RESISTANCE												220Ω †
V10		12Ω	NC	NC	18Ω	NC	NC	1.7meg	NC	NC	18Ω †	NC	14Ω	
V11		13Ω	27K †	28Ω ●	27K †	TP	27K †	NC	1meg ●	NC	1meg ●	1meg ●	12Ω	
V12		27K	100K	NC	8Ω	7.5Ω	NC	6000Ω †	5600Ω †	27K				
V13		FIL	5500Ω †	170K †	1.6meg †	1.5meg †	3600Ω †	140K †	NC	80K †	NC	3600Ω †	140K †	
											PIN 13 1.5meg †	PIN 14 FIL		
V201		3.1meg	0Ω	1Ω	0Ω	620K	0Ω	0Ω						
V202		0Ω	220K	0Ω	1Ω	2.5Ω	620K	640K	700K	10K				

MEASUREMENTS BELOW TAKEN WITH METER HAVING .08V MAX BETWEEN PROBE TIPS

ITEM	E	B	C		ITEM	E	B	C		ITEM	E	B	C	
Q1	1000Ω	2000Ω	400Ω		Q4	1000Ω	1050Ω	4900Ω		Q7	650Ω	550Ω	0Ω	
Q2	680Ω	3100Ω	2800Ω		Q5	880Ω	120K	600Ω		Q8	200Ω	800Ω	2800Ω	
Q3	100Ω	780Ω	850Ω							UHF - Q1	250Ω	1200Ω	3000Ω	
IC1	INF	3300Ω	INF	INF	INF	INF	INF	750Ω	3300Ω	INF	3300Ω	INF	3300Ω	0Ω
	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12		

MEASURED FROM THE CATHODE OF X1. ● READING DEPENDS UPON POLARITY OF METER CONNECTIONS.
MEASURED FROM PIN 7 OF V10. NC NO CONNECTION TP TIE POINT

TROUBLESHOOTING CHECK CHART

The following chart lists component failures most likely to produce the indicated symptoms.

PICTURE or SOUND

No pic, no sound, no raster F2, F3, X1, X2, X3
No pic, no sound, has raster Q1, Q2, Q3, Q202 (Tuner)
No pic, no sound, has snow V201, V202
No pic, has sound, no raster V2, V13
No pic, has sound, has raster Q4, V1, V2, X4
Has pic, no sound V3, V4, X5, X6
Overloaded picture Q5, V3, V5
Low or excessive brightness Q7

SWEEP

No raster, has sound V7, V8, V9, V10, V13
No vert. deflection V6
Poor vert. lin. or foldover V6
Poor horiz. lin. or foldover V8, V9
Narrow picture X1, X2, X3, V7, V8, V10
Vert. off freq. V6
Horiz. off freq. V7

SYNC

No vert. sync V6
No horiz. sync V7, X7, X8
No vert. or horiz. sync V5

RASTER

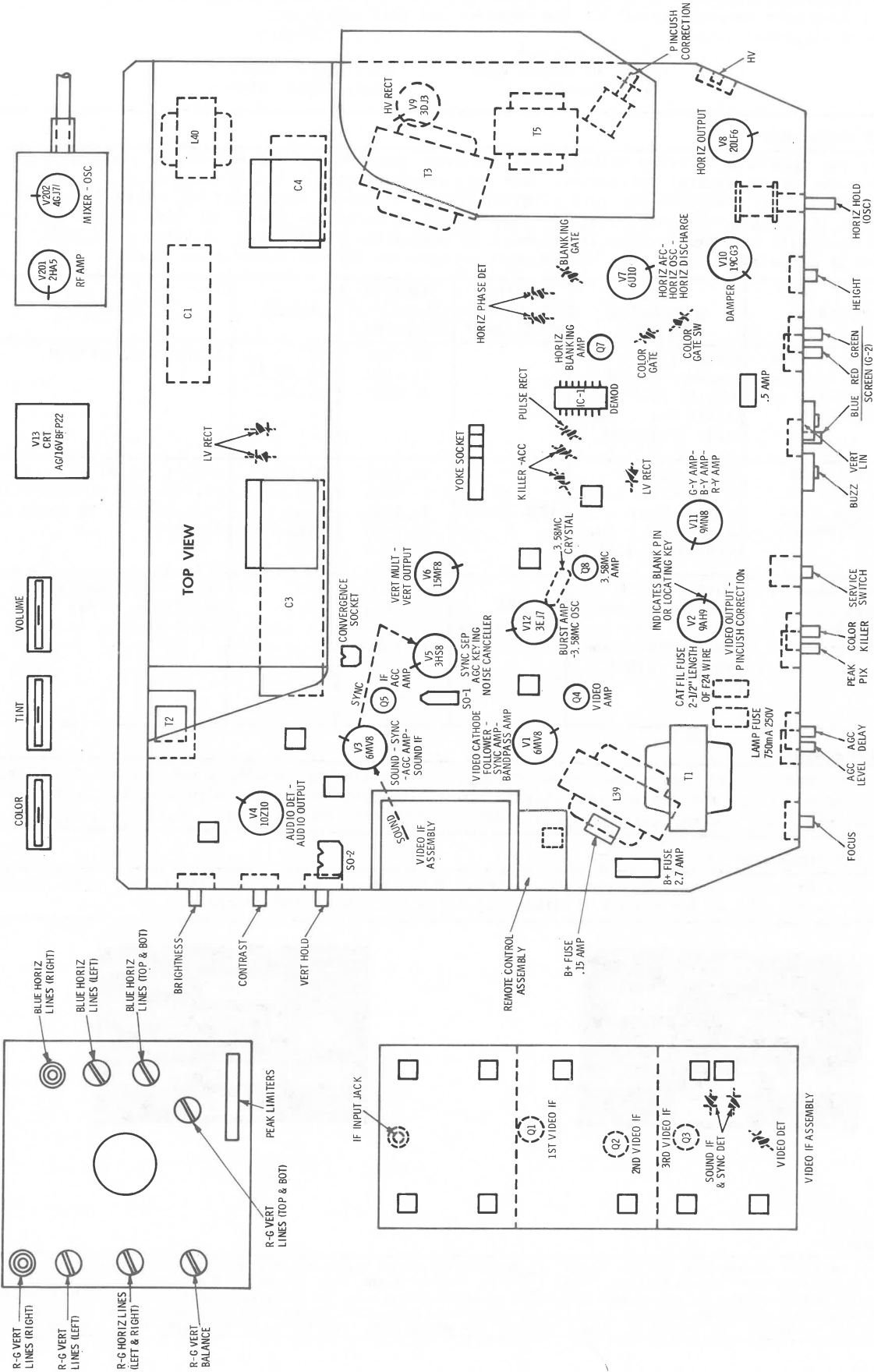
Yellow - no blue V11, V13
Cyan - no red V11, V13
Magenta - no green V11, V13

COLOR (B/W operating normally)

No color V1, V12, X10 thru X13
Weak color V12, X10 thru X13
No color sync Q8, V12, X10, X11
No blue IC1, V11
No red IC1, V11
Incorrect hue (tint) V12, X10, X11

A series filament circuit is used; an open filament in any tube will cause the set to be inoperative.

TUBE PLACEMENT CHART



ZENITH
CHASSIS 14DC15, 14DC16

FOLDER 3

TV ALIGNMENT INSTRUCTIONS

Use an isolation transformer, or observe polarity, and maintain line voltage at 117VAC. Allow a 20-minute warm-up period for the receiver and test equipment. Suggested Alignment Tools:

GC ELECTRONICS
A1 thru A15 and
Tuner IF Output Coil 9296, 9300, 9302
A17 thru A21 8606, 8606L, 8869

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 that shown. Disconnect AGC white and yellow lead from IF chassis. Connect a variable bias supply (7 volts) 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-oscillator. Set the channel selector to any non-interfering channel.

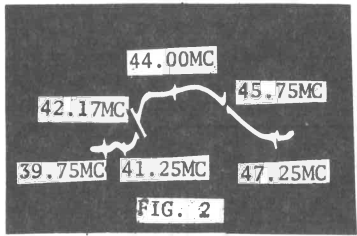
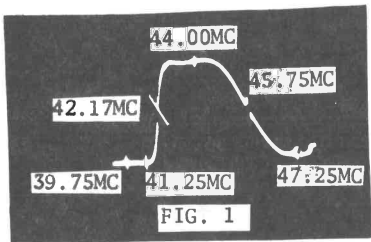
INDICATOR	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
DC probe of VTVM thru 47K to Point \diamond , common to ground.	High side to ungrounded tube shield over Mixer-Osc., low side to ground.		39.75MC 41.25MC 47.25MC	A1 A2,A3,A4 A5,A6	Adjust for MINIMUM.
Vertical input of scope to Point \diamond , low side to ground.	High side to ungrounded tube shield over Mixer-Osc., low side to ground.	44MC (10MC Sweep)	39.75MC 41.25MC 42.17MC 45.75MC 47.25MC	A7 thru A15 and Tuner IF Output Coil	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
Vertical input of scope to Point \diamond , low side to ground.	High side to ungrounded tube shield over Mixer-Osc., low side to ground.	44MC (10MC Sweep)	39.75MC 41.25MC 44.00MC 45.75MC 47.25MC	A16	Adjust for exactly 50% amplitude of Fig. 1 as shown in Fig. 2.

SOUND IF ALIGNMENT

Tune in a station and reduce the signal strength at the antenna terminals until a hiss is heard in the sound. Align for maximum undistorted sound with MINIMUM buzz by adjusting the buzz control and A17 thru A20. If the hiss disappears during alignment, further reduce the signal strength.

4.5MC 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 A21 for MINIMUM beat interference.



AFT ALIGNMENT

Tune in a color TV program with AFT off. Adjust all controls for normal operation. Remove white lead from the AFT output terminal. Connect DC probe of VTVM to this terminal, Point \diamond , low side to ground. Turn AFT on and fine tune into sound beat for maximum negative DC voltage. Adjust A1 for maximum deflection on meter. Change meter to positive polarity and adjust fine tuning in the opposite direction for maximum deflection. Adjust A2 for maximum deflection. Connect the white lead to the AFT output terminal. Turn AFT off and adjust fine tuning for normal picture. Turn AFT on and adjust A3 for MINIMUM deflection. Remove VTVM.

MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP ADJUSTMENTS

Connect a VTVM through a high-voltage probe to picture-tube anode connector. Tune in a TV station and set all controls for normal operation. Remove the horizontal hold knob. Turn shaft to lock in picture when changing from channel to channel. Reinstall knob with pointer centered between stops.

Set Normal-Service switch to Service. With 117VAC input, adjust the HV adjust control for 21.5KV at picture-tube anode. Adjust focus, height, and vertical linearity controls.

AGC ADJUSTMENTS

Tune in a strong TV station and advance AGC level control until instability appears in the picture (pulling, jitter, overload, etc.). Reduce control to the point just below the instability. Tune in a weak TV station without snow. Advance the AGC Delay control until snow appears in the picture. Reduce the control until the snow just disappears from the picture.

COLOR AMPLIFIER AND SYNC ALIGNMENT

Suggested Alignment Tools: A22, A23, A24
GC ELECTRONICS 8606, 8606L, 8869

Connect a color bar generator to the antenna terminals and adjust the set for normal operation. Disconnect R158 (4.7K) across L27 secondary. Connect DC probe to VTVM to Point \diamond , low side to ground. Adjust A22 for MINIMUM negative reading. Reconnect R158. Adjust A23 for maximum negative reading.

Set color level and hue controls to mid-range. Connect vertical input of scope to Point \diamond , low side to ground. Adjust A24 for maximum amplitude of the 6th color bar. See Figure A.

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. Turn blue and green screens to MINIMUM. Turn red screen to maximum. 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. Turn the red, blue and green screen controls to MINIMUM. Move the Normal-Service switch to the Service position. Advance the screen controls, one at a time, to produce a white line of medium brightness or to produce red, blue and green lines of equal brightness.

Return the Normal-Service switch to the Normal position.

Turn brightness to maximum and contrast control to midrange. Adjust the brightness range until the picture blooms (distorts); then reduce the control to the point just below where the picture returns to normal.

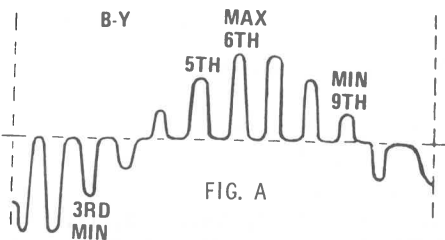
The cathode leads of the picture tube are provided with quick-disconnect connectors so that least efficient gun may be connected direct.

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 L46 for straight horizontal lines at top and bottom of the screen.

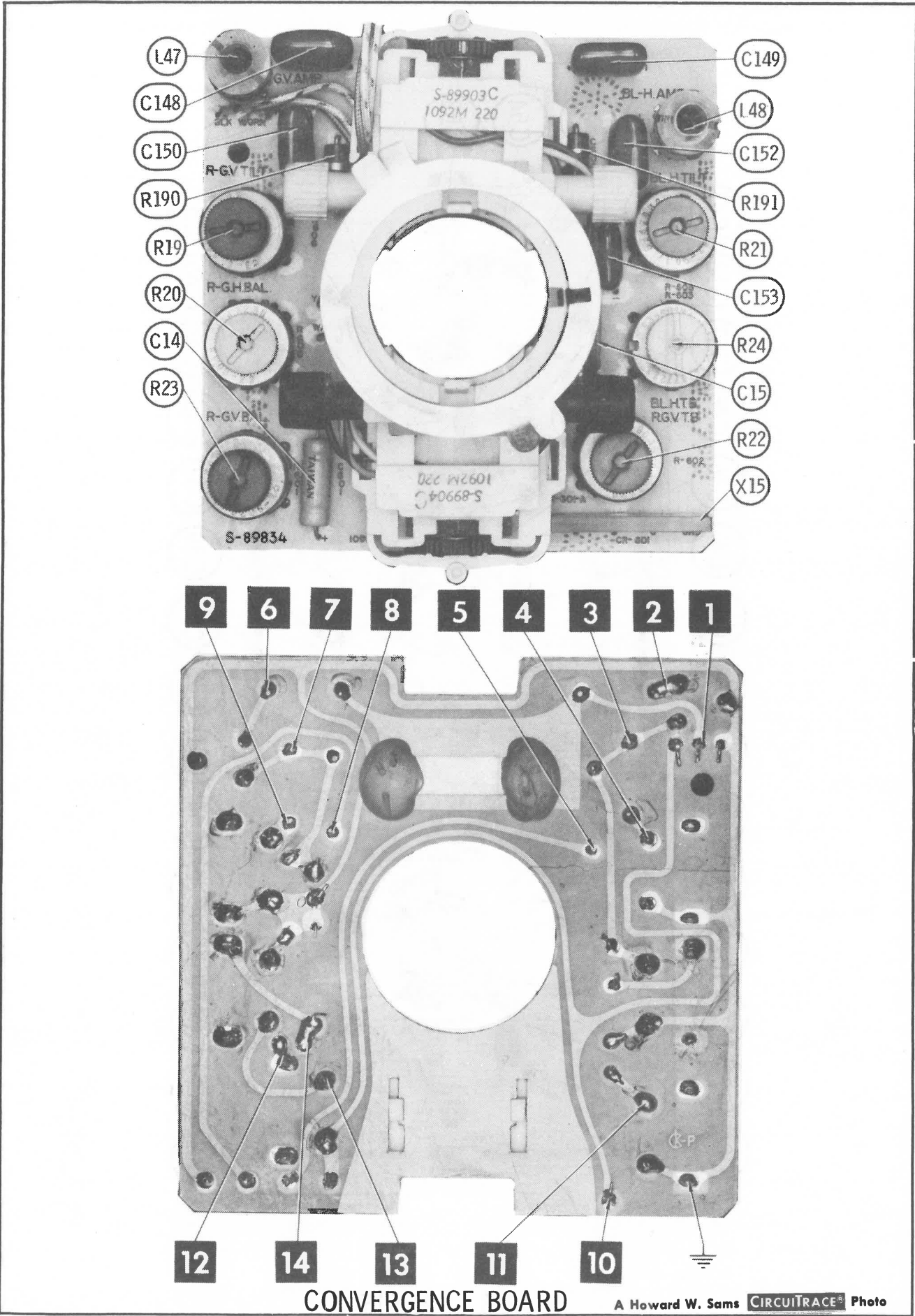
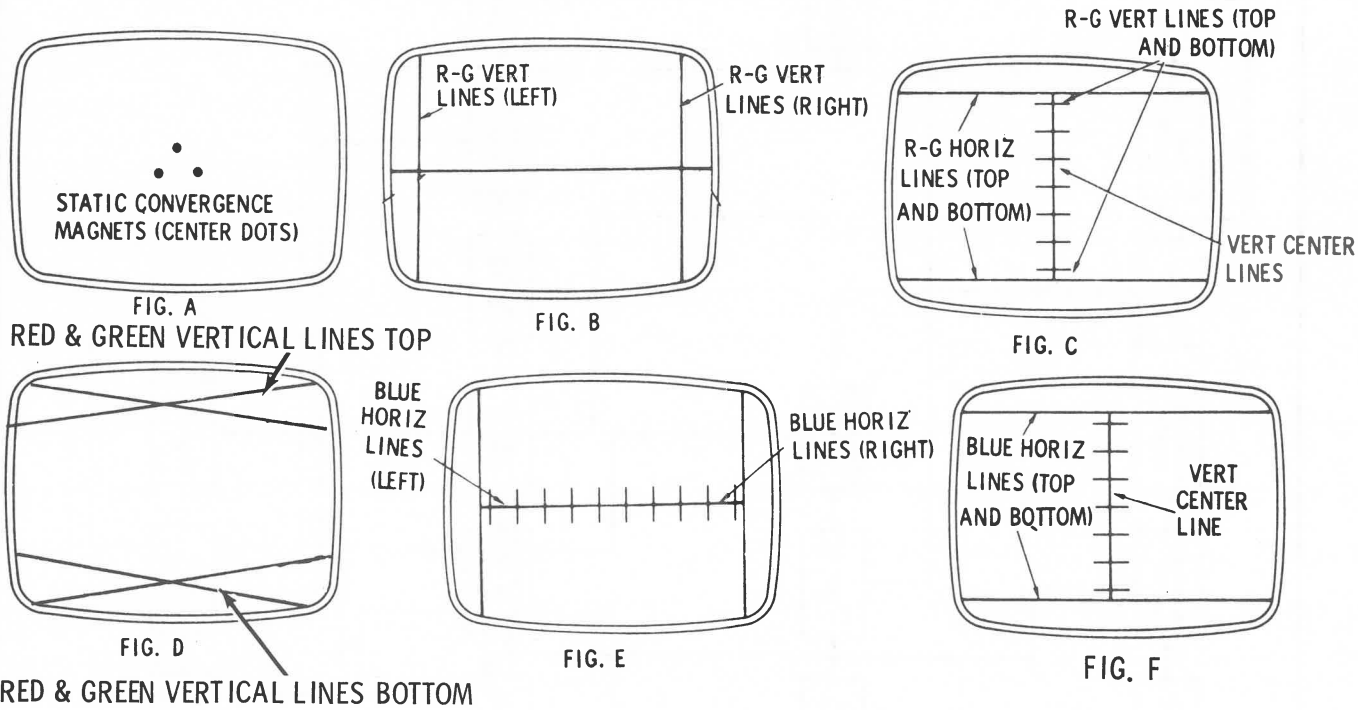
TROUBLESHOOTING THE IC

Before suspecting the integrated circuit (IC), eliminate the possibility of trouble in the associated input circuits. Check for presence of a color signal at the IC output terminals. If no signal is present, check for possible shorted components in the associated output circuit. Check voltages at the IC terminals, paying particular attention to the supply voltage and current.



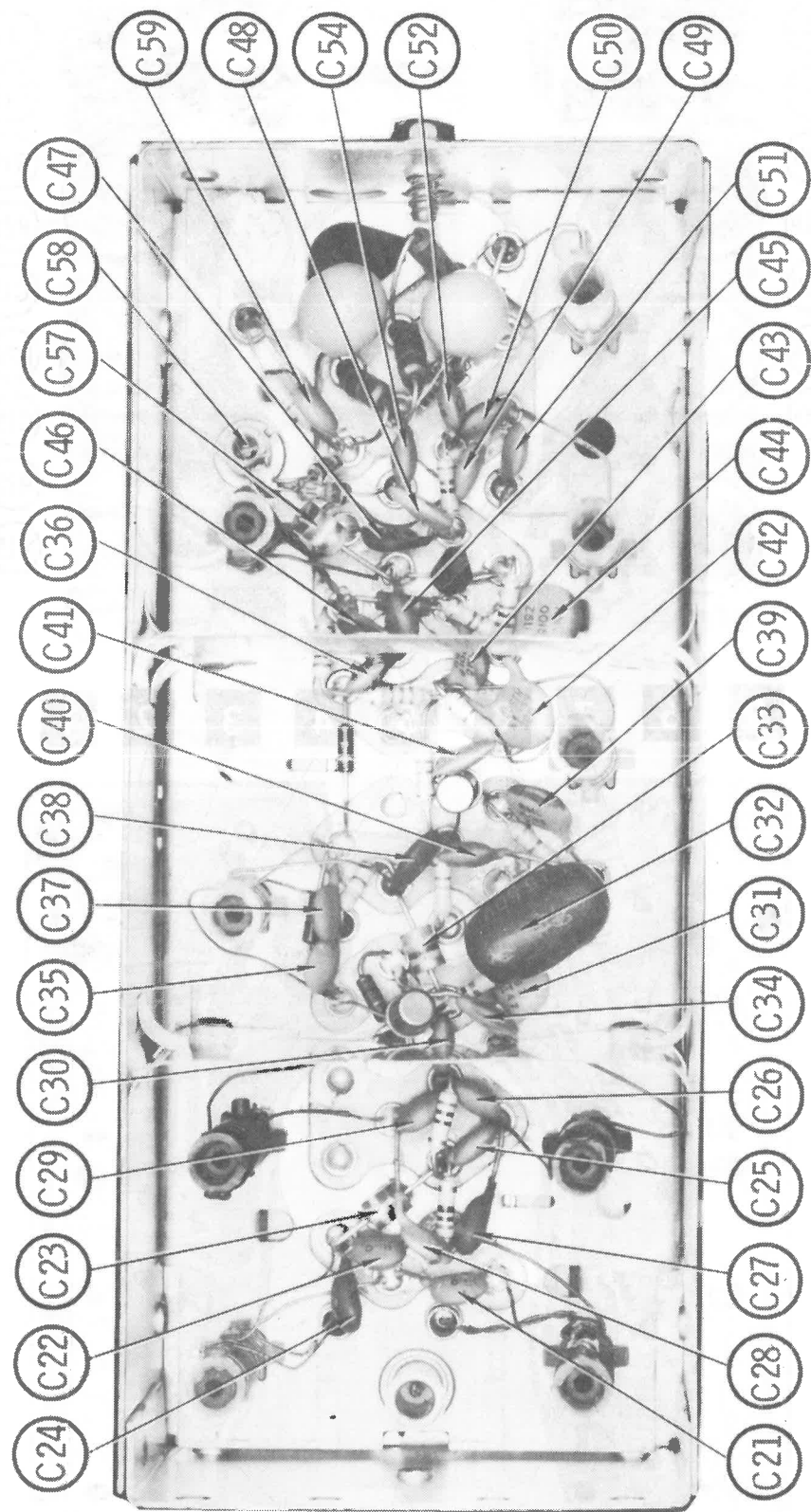
CONVERGENCE ADJUSTMENTS

Step	Control	Use to Converge (or Straighten)	Remarks
1.			Perform Center Dot Convergence using convergence magnets. See Fig. A.
2.	R-G Vertical Lines, Right L47	Red and Green Vertical bars at right side of screen.	(Fig. B)
3.	R-G Vertical Lines, Left R19	Red and Green Vertical bars at left side of screen.	(Fig. B)
4.	R-G Vertical Lines, Top and Bottom R22	Red and Green Vertical bars at top and bottom of screen.	Touch up both controls for best convergence from top to bottom along vertical center line (Fig. C).
5.	R-G Vertical Balance R23	Red and Green Vertical lines at top and bottom of screen.	Touch up by merging red and green vertical lines at top and bottom (Fig. D).
6.	Blue Horizontal Lines, Right L48 Blue Horizontal Lines, Left R21	Blue Horizontal bars at right side of screen. Blue Horizontal bars at left side of screen.	Touch up both controls for best convergence along horizontal center line (Fig. E).
7.	Blue Horizontal Lines, Top and Bottom R24	Blue Horizontal bars at top and bottom of screen.	Touch up control for best convergence of horizontal bars along vertical center line (Fig. F).
8.	R-G Horizontal Lines, Left and Right R20	Red and Green Horizontal bars at left and right side of screen.	Touch up by merging red and green horizontal lines at left and right sides (Fig. C).

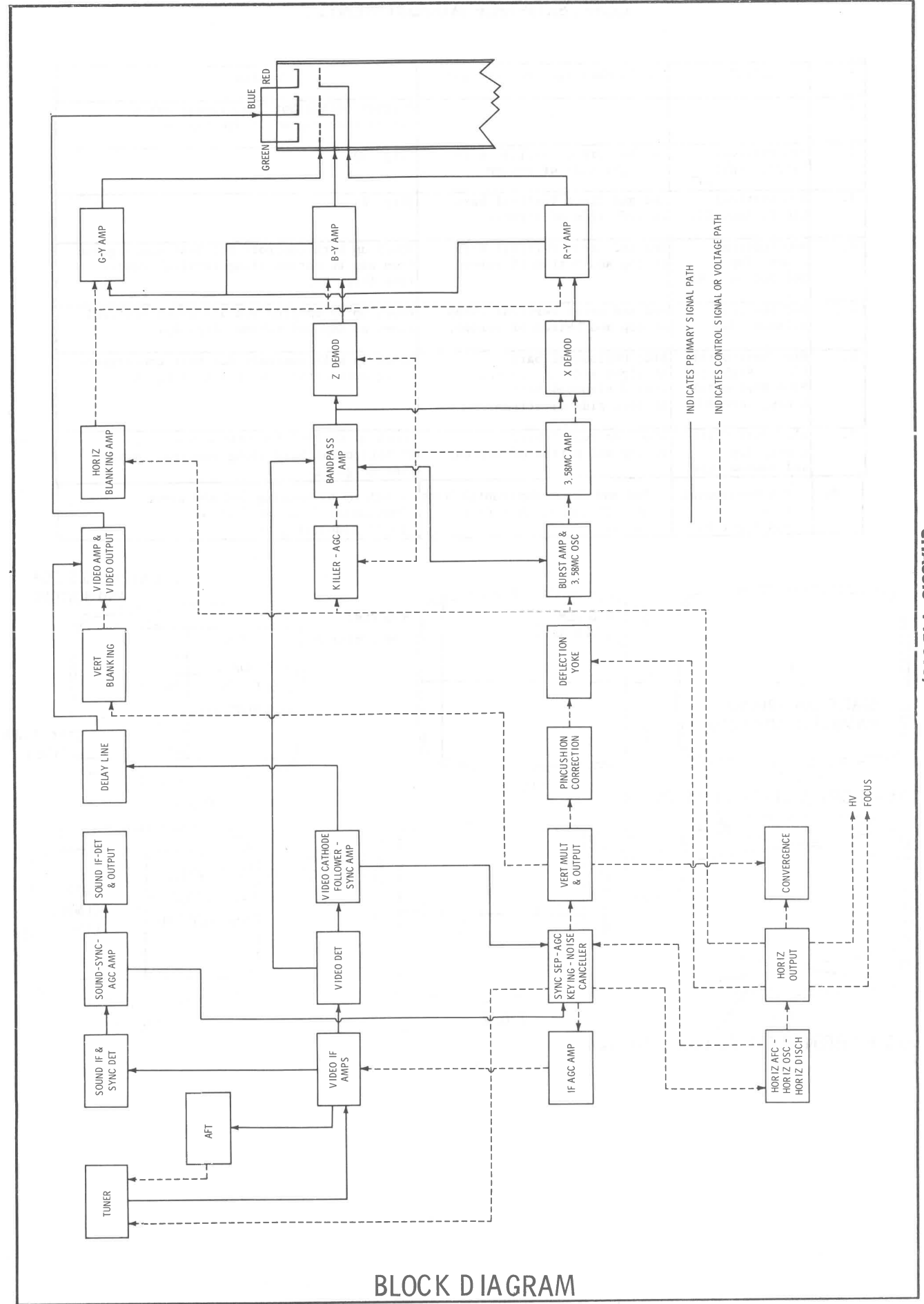


ZENITH
CHASSIS 14DC15, 14DC16

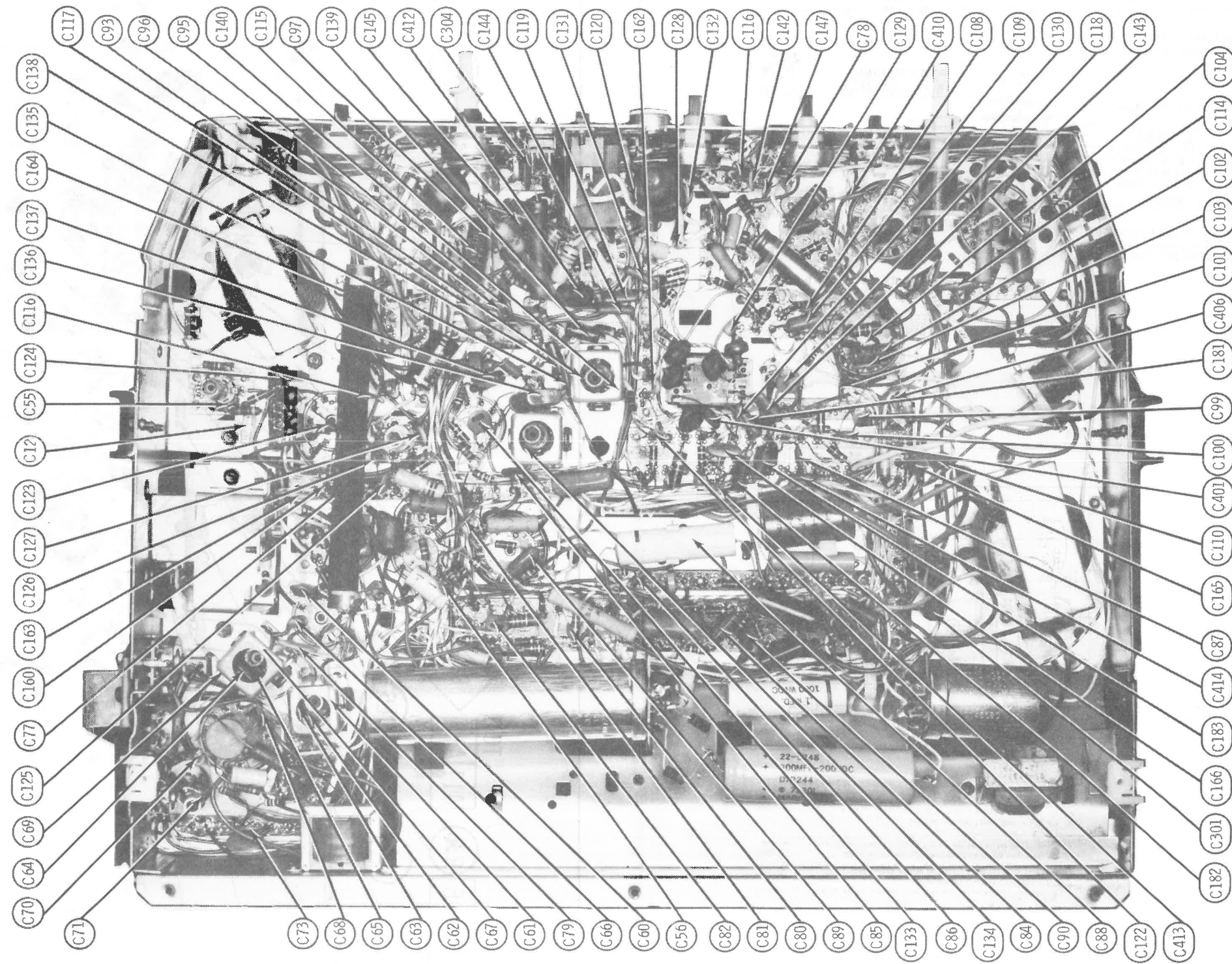
FOLDER 3



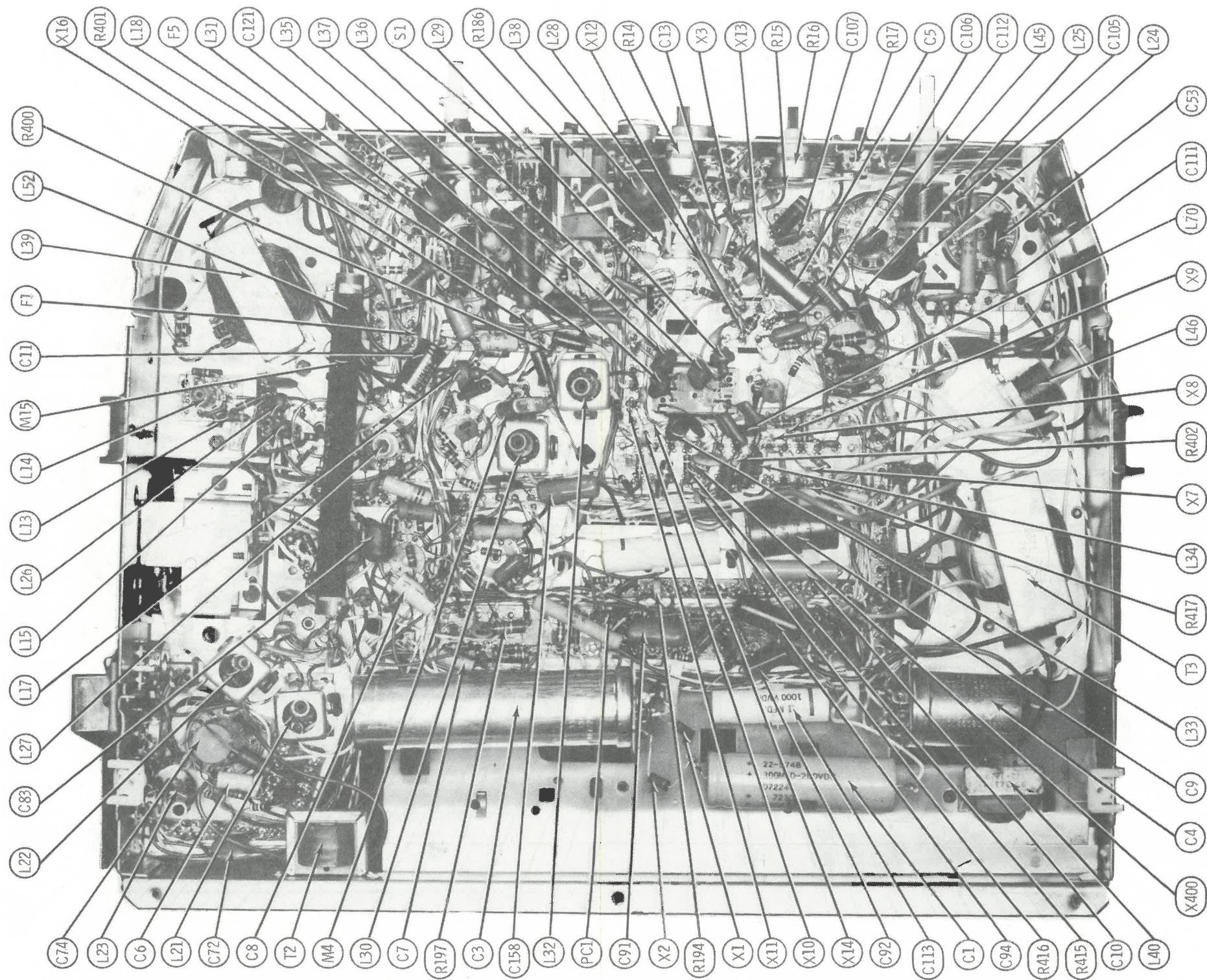
IF SUB CHASSIS



BLOCK DIAGRAM



CHASSIS-BOTTOM VIEW

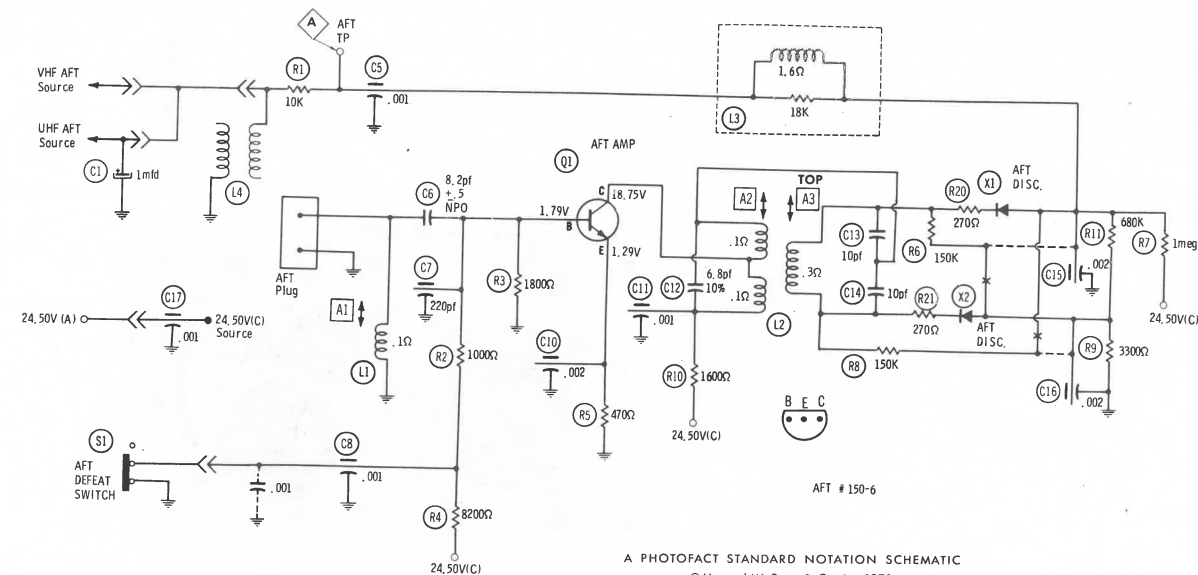
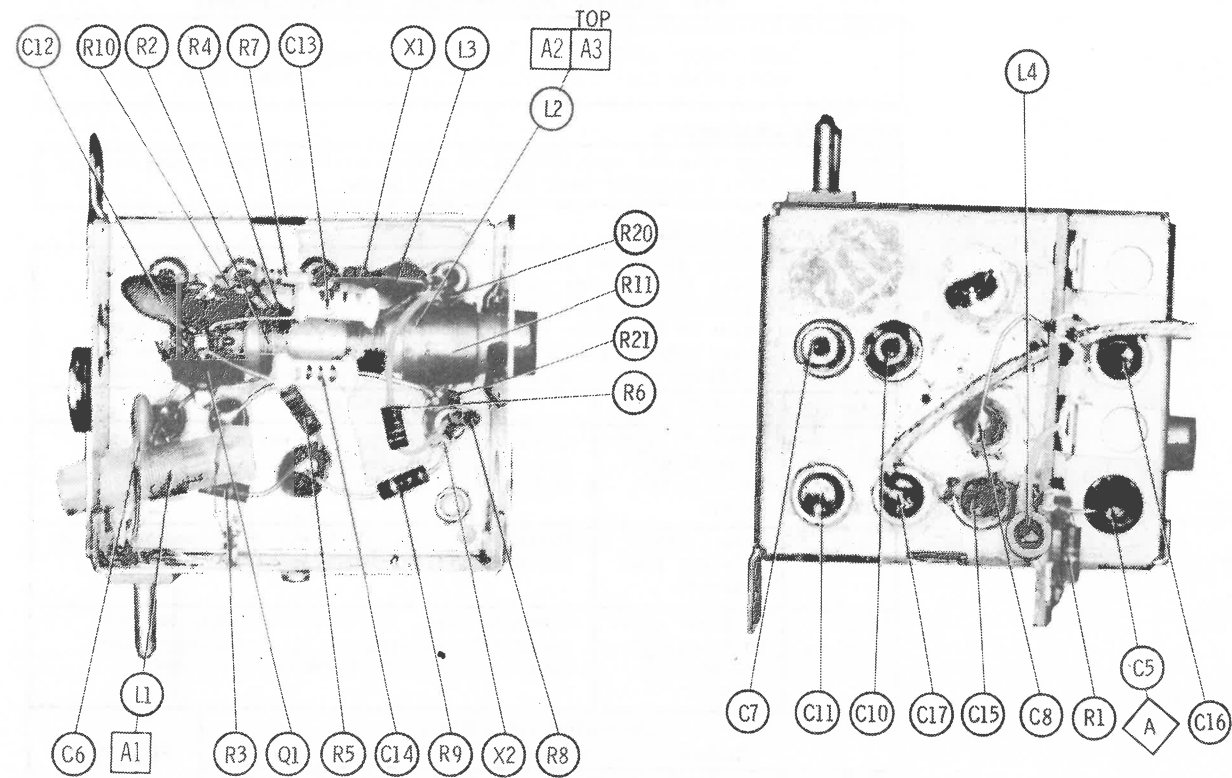


CHASSIS-BOTTOM VIEW

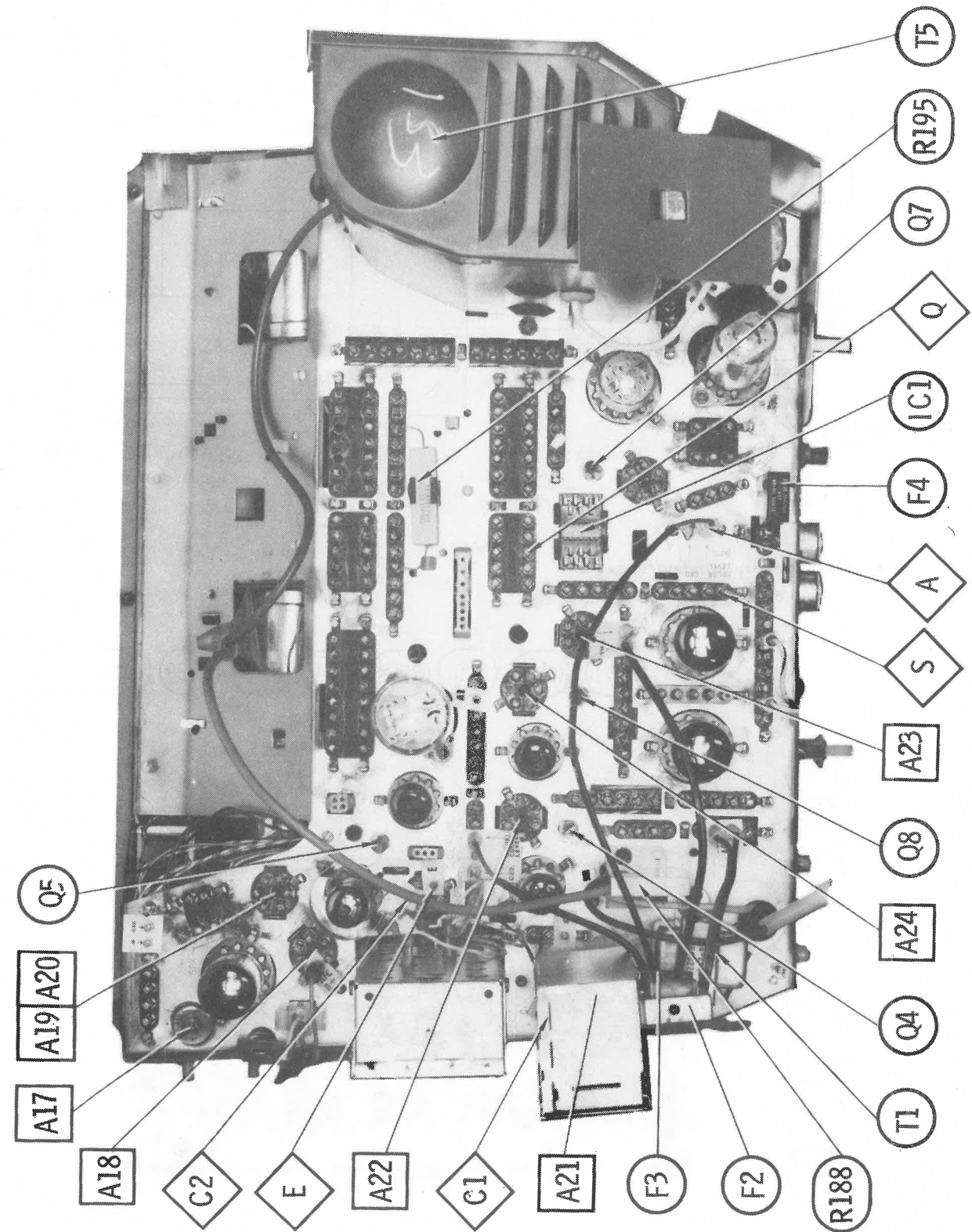
ZENITH
CHASSIS 14DC15, 14DC16

FOLDER 3

AFT CHASSIS



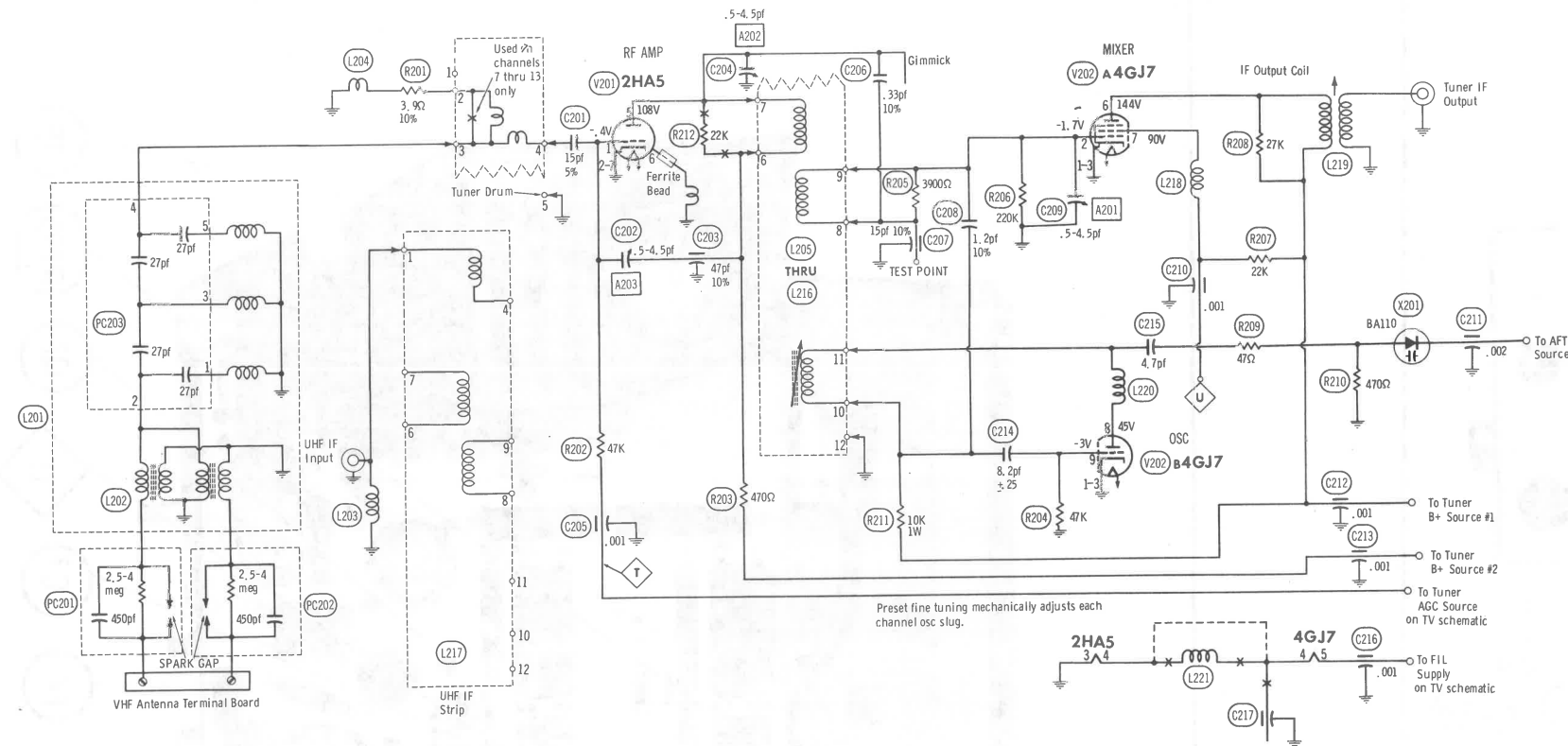
A PHOTOFACT STANDARD NOTATION SCHEMATIC
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CHASSIS-TOP VIEW

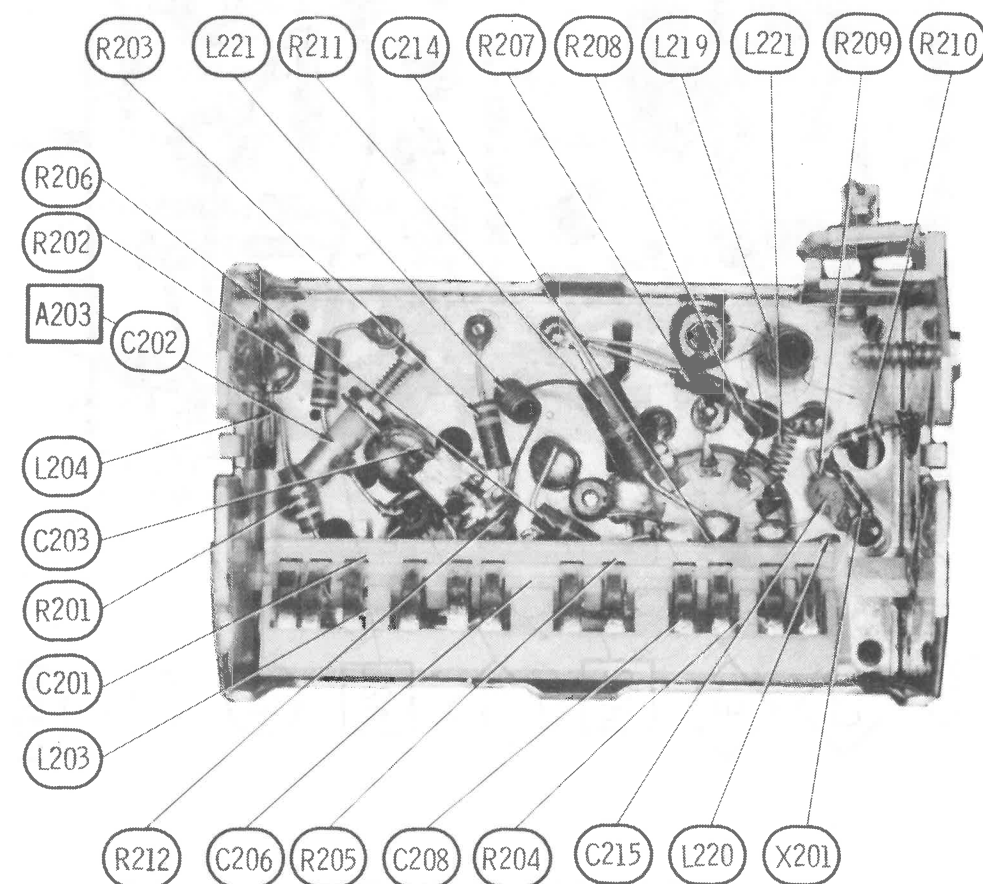
ZENITH
CHASSIS 14DC15, 14DC16

FOLDER 3



A PHOTOFACT STANDARD NOTATION SCHEMATIC

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VHF TUNER 175-674

VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GC ELECTRONICS
A201, A202, A203 Overall Oscillator Adjust 8868, 8987, 9089
Mixer Plate Coil 9296, 9297, 9300

OSCILLATOR ADJUSTMENTS

The oscillator slug for each channel is preset with the fine tuning control. Adjust the fine tuning for best picture and sound.

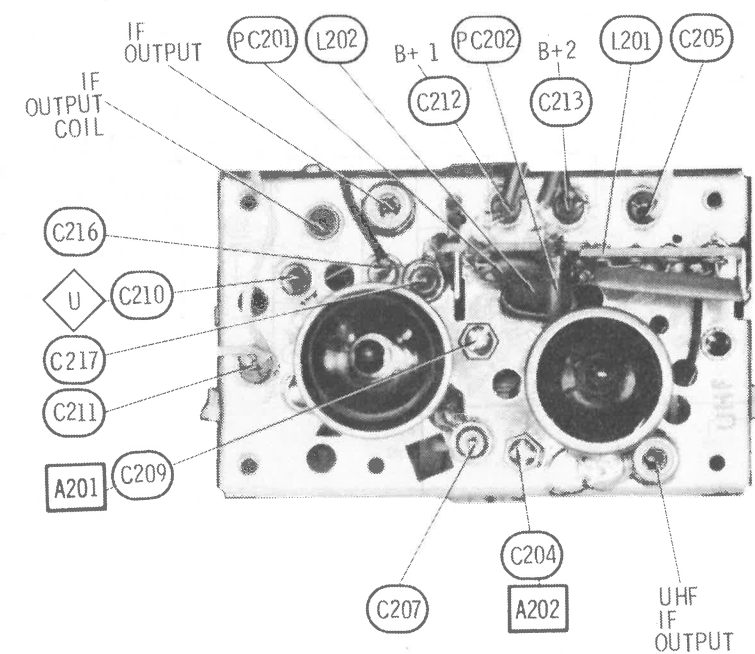
RF AND MIXER ADJUSTMENTS

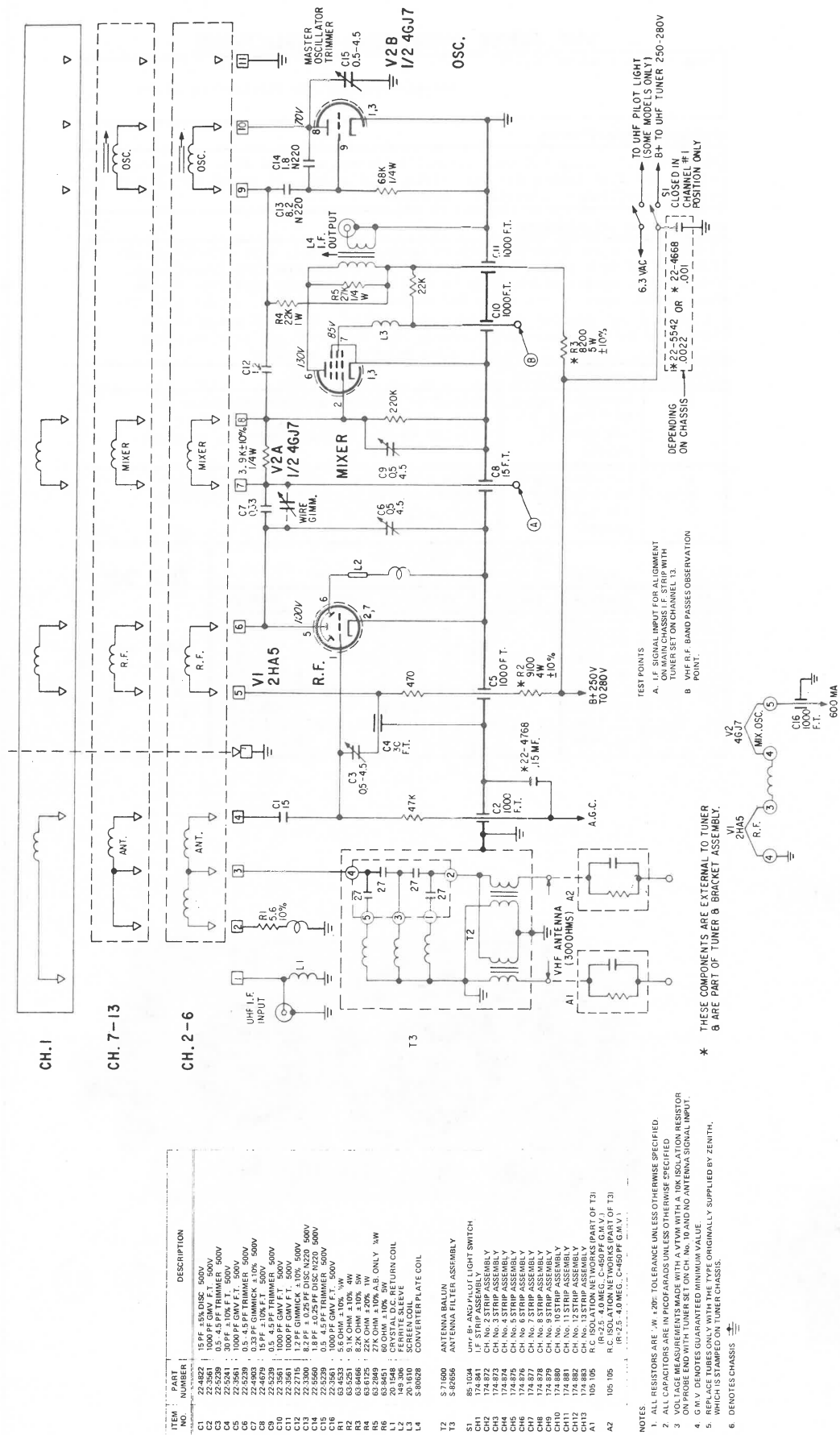
Connect the sweep generator across antenna terminals with 120-ohm carbon resistor in each lead. Refer to chart below for generator frequencies. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the scope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at Point T. Adjust bias to obtain response curve showing no overload.

CHANNEL	CONNECT SCOPE	REMARKS
13	Vertical input to Point U, low side to ground.	Adjust A201 and A202 for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
10	Across video detector load resistor.	Increase bias to -20 volts and adjust A203 for minimum amplitude of response.
12 thru 2	Vertical input to Point U, low side to ground.	Decrease bias. Check all channels and make compromise adjustments by expanding or compressing appropriate coils if necessary.

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

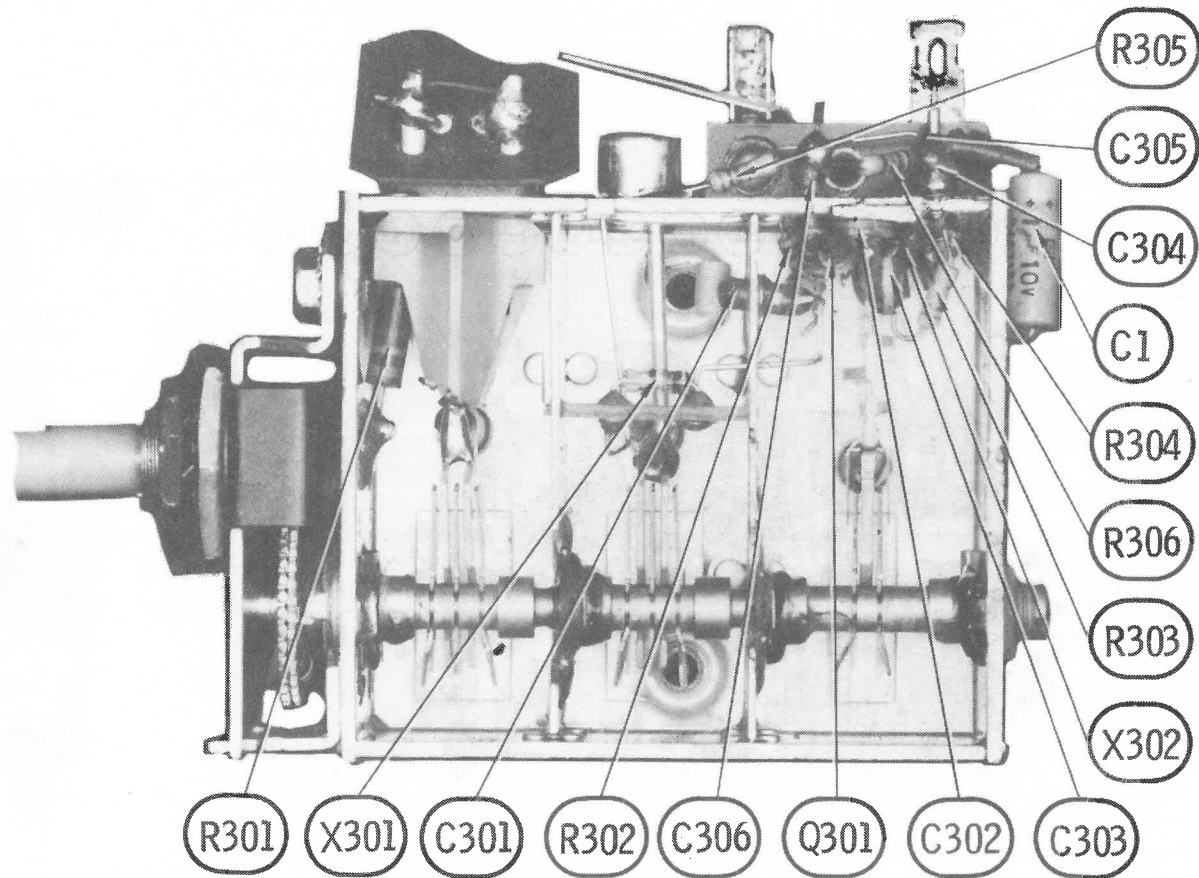
FIG. 201



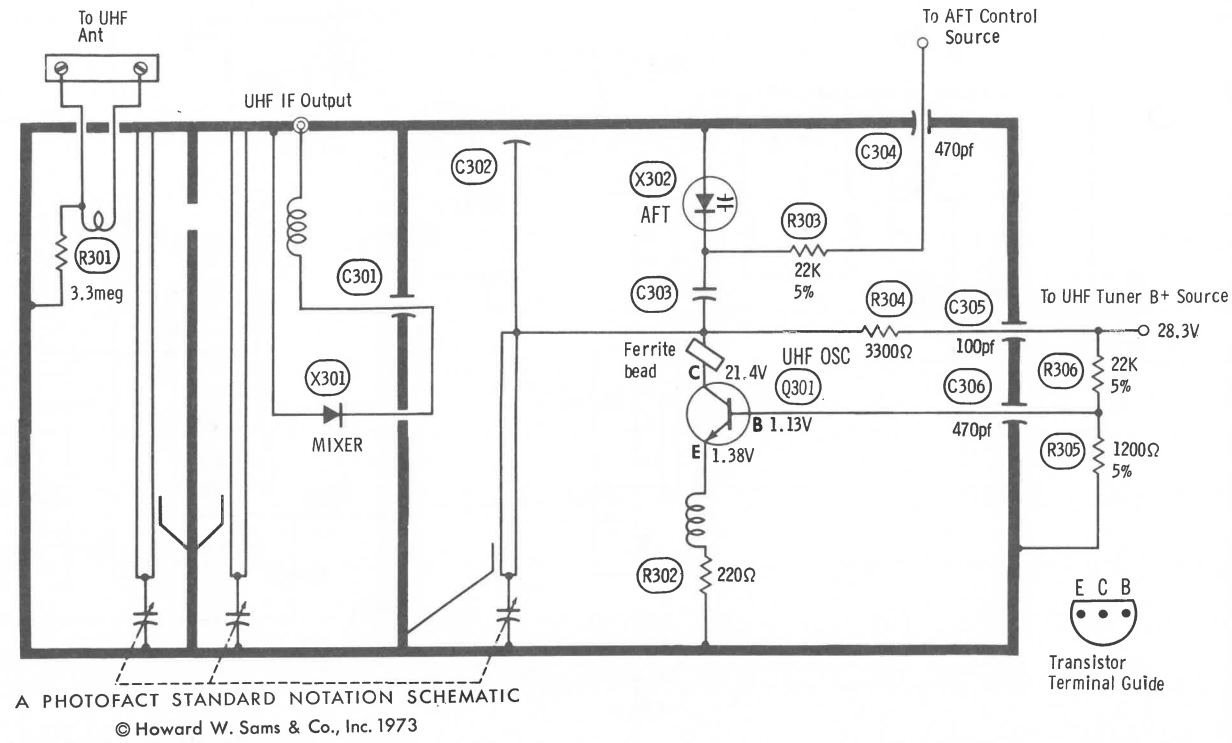


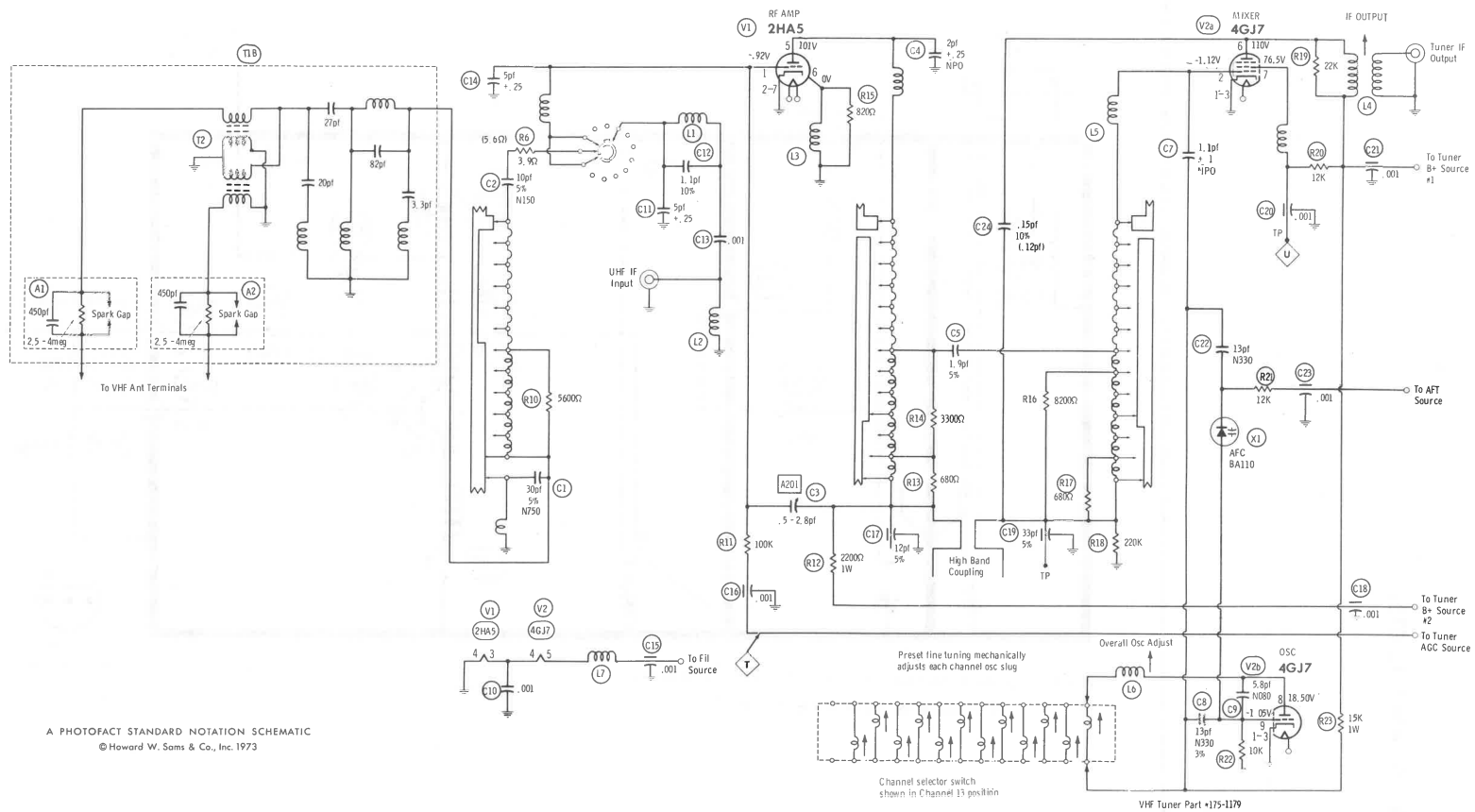
Courtesy of the Manufacturer

TURRET TUNER SCHEMATIC DIAGRAM (175-673)



UHF TUNER 175-87U





VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

Overall Osc. Adj. GC ELECTRONICS #9293

OSCILLATOR ADJUSTMENTS

The oscillator slug for each channel is preset with the fine tuning control. Adjust the fine tuning for best picture and sound. If necessary, adjust the overall oscillator adjustment. Recheck.

RF AND MIXER ADJUSTMENTS

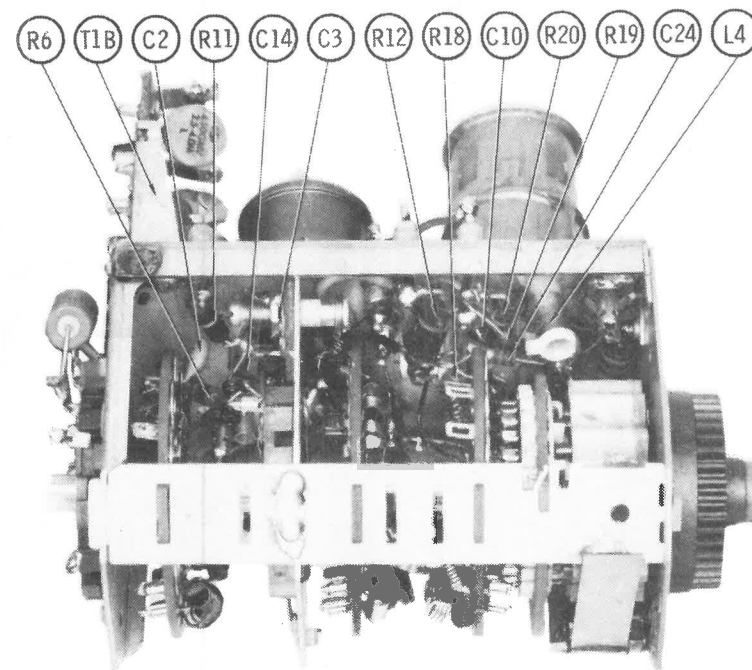
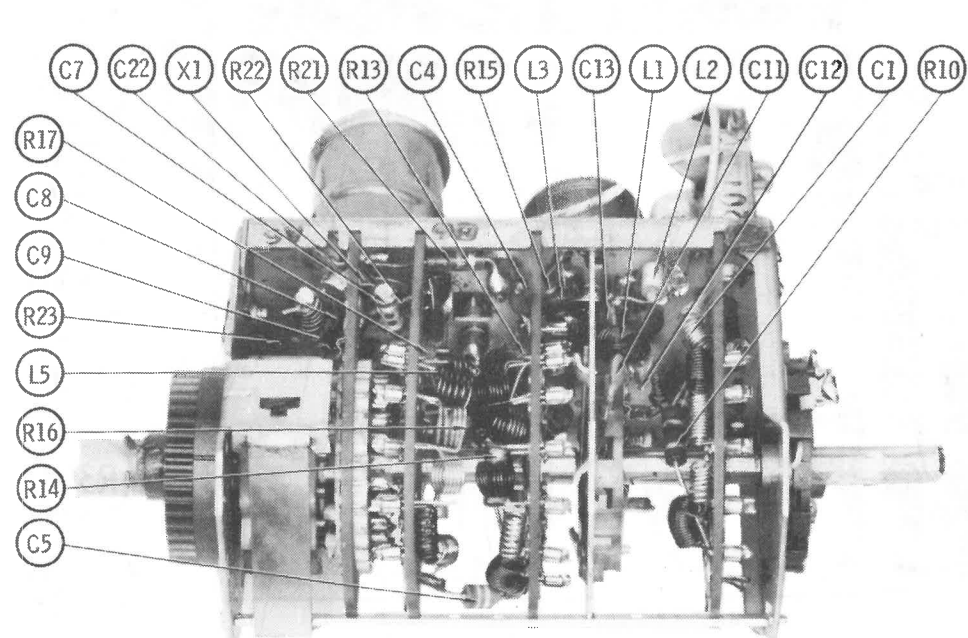
Connect the sweep generator across antenna terminals with 120-ohm carbon resistor in each lead. Refer to chart below for generator frequencies. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the scope for horizontal deflection. Adjust A201 for maximum output without going into oscillation. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at point T. Adjust bias to obtain response curve showing no overload.

CHANNEL	CONNECT SCOPE	REMARKS
13	Vertical input to Point U, low side to ground.	Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
12 thru 2	Vertical input to Point U, low side to ground.	Check all channels and make compromise adjustments by expanding or compressing appropriate coils if necessary.

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

FIG. 201

SOUND VIDEO



VHF TUNER 175-1179

#175-87U UHF TUNER PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q301 X301 X302	(1)	GE-11 1N82A	1N82AG	PTC133 PTC217	HEP720 HEPR0700	SK3019 SK3089	RT108	ECG 108 ECG 112

(1) Varactor

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C301 C302 C303 C304 C305 C306	470pf 100pf 470pf						

#175-82, 175-89U UHF TUNER PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q301 X301 X302	(8)	GE-11 1N82A	1N82AG	PTC133 PTC217	HEP720 HEPR0700	SK3019 SK3089	RT108	ECG 108 ECG 112

(8) Varactor.

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C301 C302 C303 C304 C305 C306	470pf						

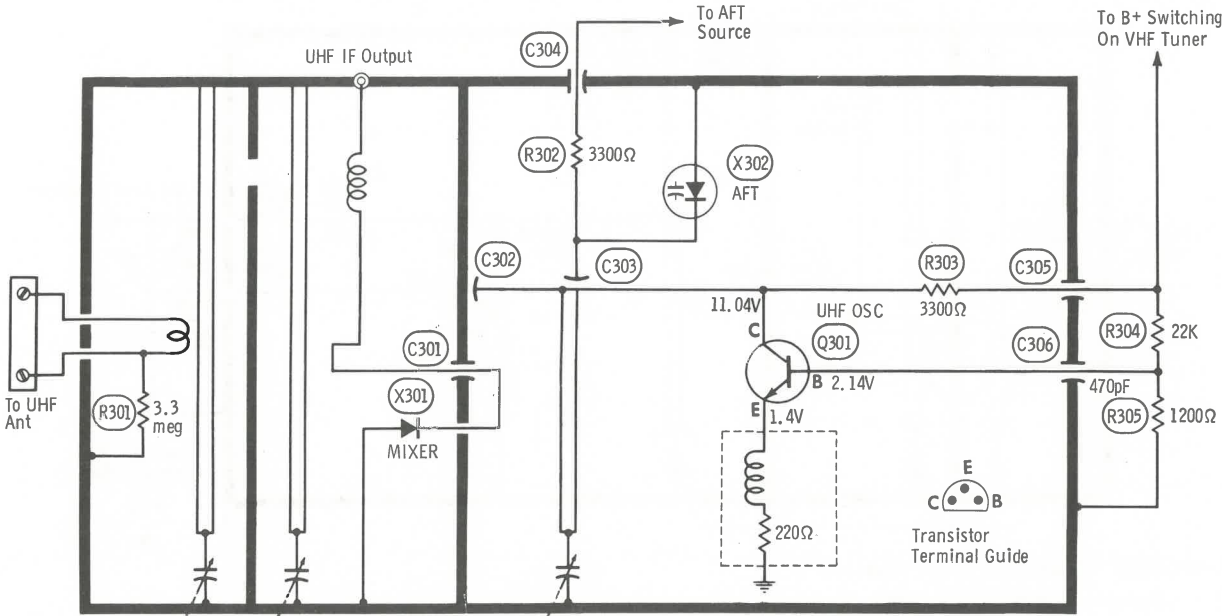
#175-86U UHF TUNER PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS

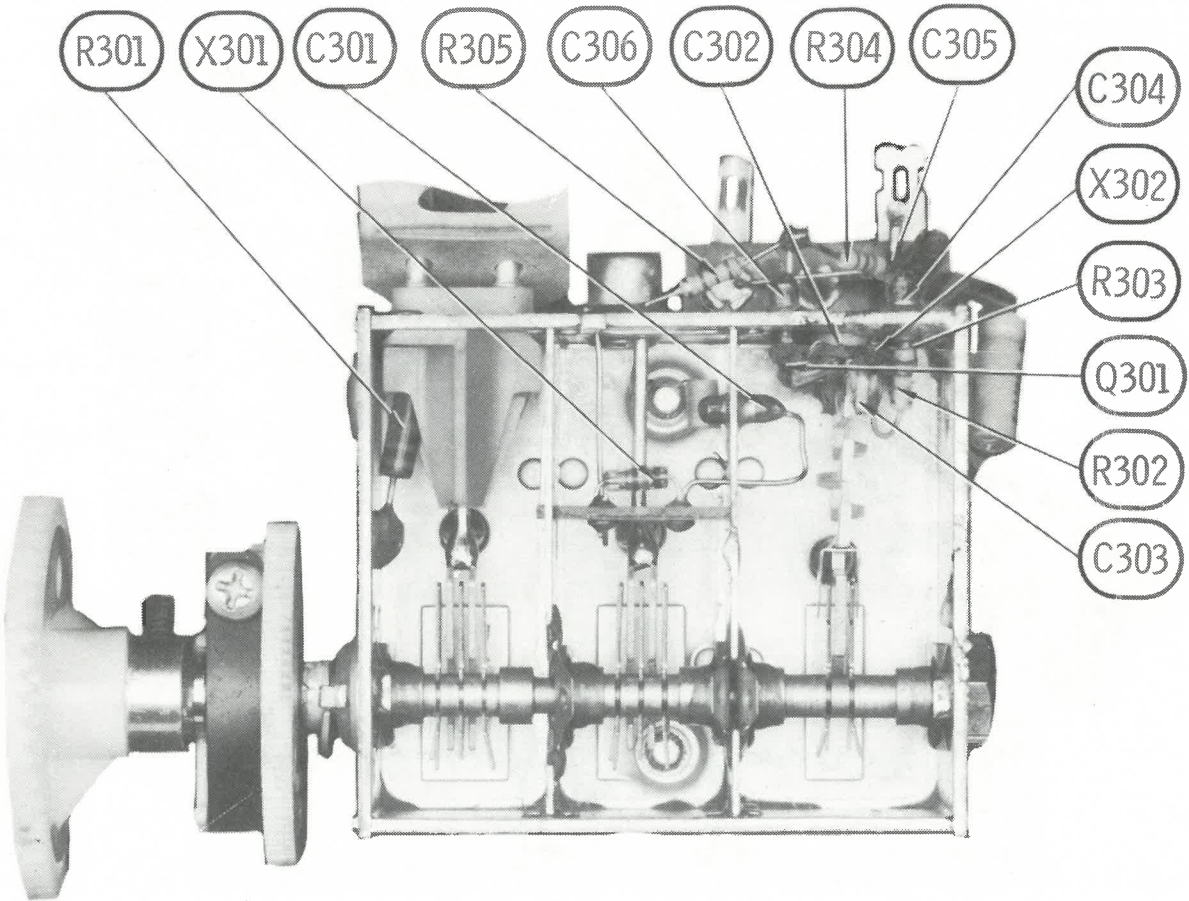
ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	MOTOROLA PART No.
D301 Q301		1N82A GE-11	1N82AG	PTC115	SK3089 SK3019	RT108	ECG 112 ECG 108	HEP720

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C301 C302 C303 C304	33pf 10.5pf 100pf 470pf	N330 ±.25					



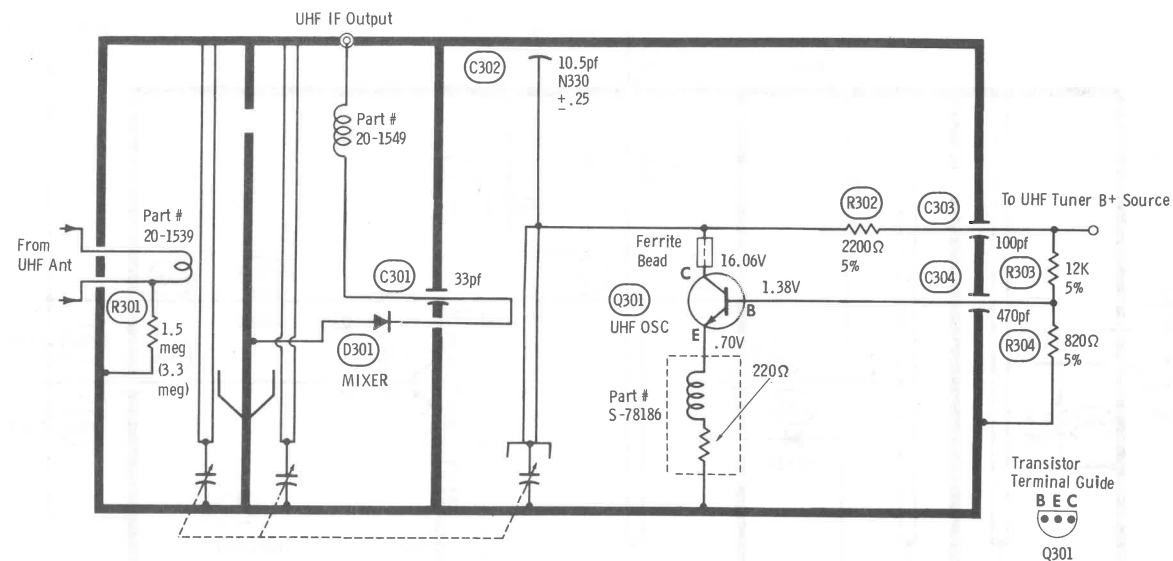
A PHOTOFAC TANDARD NOTATION SCHEMATIC
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UHF TUNER 175-82,175-89U

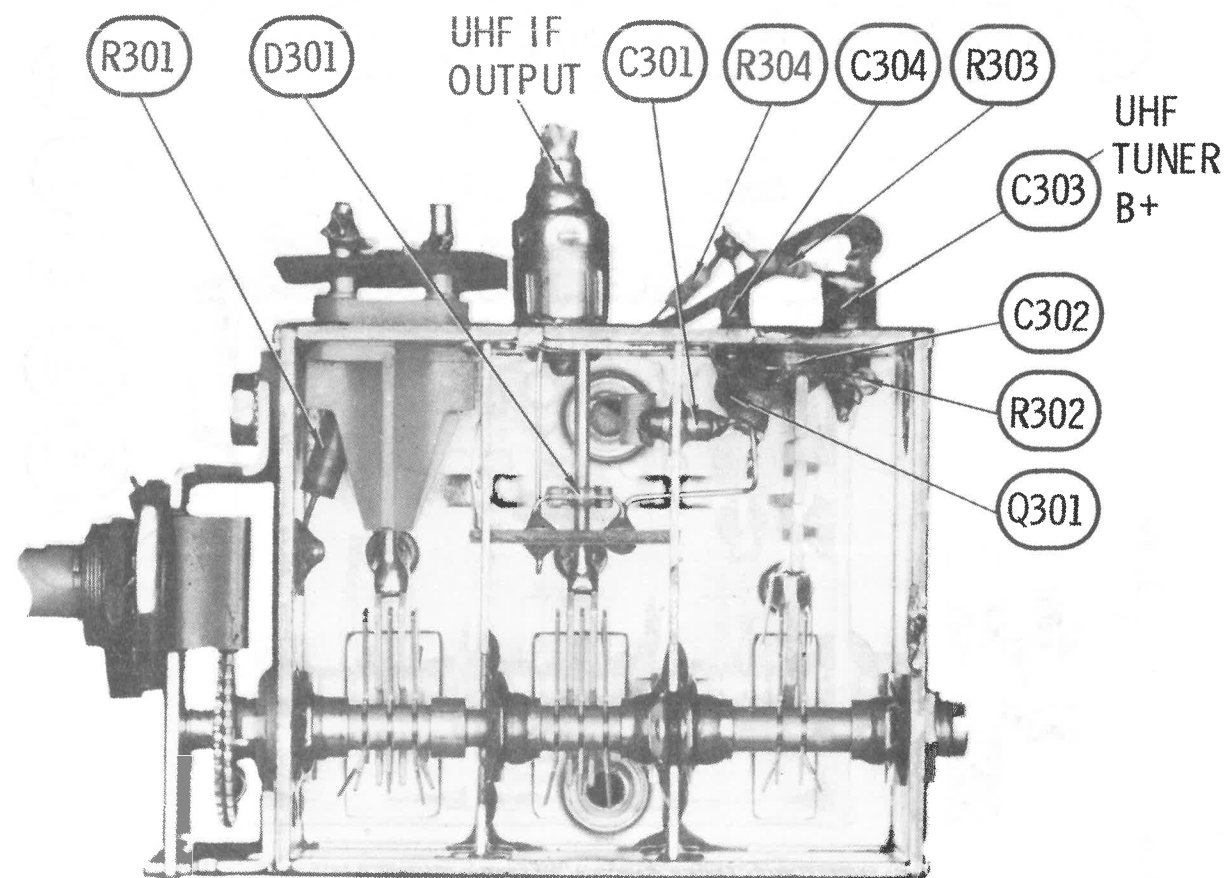
ZENITH
CHASSIS 14DC15, 14DC16

FOLDER 3



A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1973

UHF Tuner
Part # 175-86U



UHF TUNER 175-86U

TUBES

AMPEREX		GENERAL ELECTRIC		RCA		SYLVANIA	
ITEM No.	USE	TYPE		ITEM No.	USE	TYPE	
V201	RF Amp	2HA5		V202	Mixer - Oscillator	4GJ7	

SEMICONDUCTORS

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
X201	103-146							

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCOR PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C201	15pf		CCT0-150	DTZ-15	NP015	CN0415	10TCC-Q15
C202	.5-4.5pf	#22-5239					
C203	47pf	#22-4852					
C204	.5-4.5pf	#22-5239					
C205	.001	#22-3561					
C206	.33pf	#22-3867					
C207	15pf	#22-4679					
C208	1.2pf	#22-2715					
C209	.5-4.5pf	#22-5239					
C210	.001	#22-3561					
C211	.002	#22-5840					
C212	.001	#22-3561					
C213	.001	#22-3561					
C214	8.2pf N470	#22-3962					
C215	4.7pf			DTZ-4R7	NP04P7	CN0547	10TCC-V47
C216	.001	#22-3561					
C217							

COILS (RF-IF)

ITEM No.	USE	MFR. PART No.	NOTES
L201	Antenna Input Ass'y	S-82656	
L202	Antenna Balun	S-71670	
L203	UHF Input	20-1548	
L204	RF Choke		
L205	Ant., RF, Osc., Mixer	174-922	Channel 2
L206	Ant., RF, Osc., Mixer	174-923	Channel 3
L207	Ant., RF, Osc., Mixer	174-924	Channel 4
L208	Ant., RF, Osc., Mixer	174-925	Channel 5
L209	Ant., RF, Osc., Mixer	174-926	Channel 6
L210	Ant., RF, Osc., Mixer	174-927	Channel 7
L211	Ant., RF, Osc., Mixer	174-928	Channel 8

ITEM No.	USE	MFR. PART No.	NOTES
L212	Ant., RF, Osc., Mixer	174-929	Channel 9
L213	Ant., RF, Osc., Mixer	174-930	Channel 10
L214	Ant., RF, Osc., Mixer	174-931	Channel 11
L215	Ant., RF, Osc., Mixer	174-932	Channel 12
L216	Ant., RF, Osc., Mixer	174-933	Channel 13
L217	UHF Channel Strip	174-921	Channel 1
L218	RF Choke	20-1610	
L219	IF Output	S-80628	
L220	RF Choke	20-1684	
L221	RF Choke		

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M201	Antenna Filter Ass'y	S-82656	
PC201	Antenna Isolation	105-105	450pf, 2.5-4meg, Spark Gap, CENTRALAB Replacement DA661Z5U.
PC222	Antenna Isolation	105-105	450pf, 2.5-4meg, Spark Gap, CENTRALAB Replacement DA661Z5U.
PC203	Antenna Isolation		27pf, 27pf, 27pf, 27pf

#175-1179 **VHF TUNER PARTS LIST AND DESCRIPTION**
(When ordering parts, state Model, Part Number, and Description.)

TUBES

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE		TYPE			ITEM No.	USE		TYPE		
V1	RF Amp		2HA5			V2	Mixer, Oscillator		4GJ7		

SEMICONDUCTORS

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
X1	BA110/103-146 (1)							

(1) Varactor

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENDO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	30 5% N750	22-5092	*	TCN-30		*	10TCU-Q30
C2	10 5% N150	22-5807					10TCN-Q10
C3	.5-2.8	22-4910					
C4	2 ±.25 NPO	22-5707					
C5	1.9 5%	22-5785	*	DD-102	GP1000 NP05	CN0510	10TCC-V10
C7	1.1 ±.1 NPO	22-6455				*	
C8	13 3% N330	22-4920				GP210	10TS-D10
C9	5.8 ±.25 N080	22-5100				CN0510	10TCC-V50
C10	.001		CCD-102			GP210	
C11	5 ±.25	22-3604	CCD-102	DD-102	GP1000 NP05	CN0510	10TS-D10
C12	1.1 10%	22-4523				GP210	10TCC-V10
C13	.001						10TS-D10
C14	5 ±.25	22-3604					10TCC-V50
C15	.001	22-3987	*			*	
C16	.001	22-3987					
C17	12 5%	22-5708					
C18	.001	22-3987					
C19	33 5%	22-5144					
C20	.001	22-3987					
C21	.001	22-3987					
C22	13 3% N330	22-4920					
C23	.001	22-3987					
C24	.15 10%	22-5789					

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

COILS (RF-IF)

ITEM No.	USE	MFR. PART No.	NOTES
L1	UHF IF Input	20-1273	
L2	UHF IF Shunt	20-1270	
L3	Neutralization	20-1671	
L4	Mixer Plate	S-79612	

ITEM No.	USE	MFR. PART No.	NOTES
L5	Mixer Grid	20-1276	
L6	Oscillator	20-1608	
L7	Choke	20-838	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
A1	Component Combination	105-105	
A2	Component Combination	105-105	
T1B	Assembly (1)	S-82897	
T2	Balun	S-74413	Antenna Balun and Filter (1) Includes T2

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	8885 (Single Conductor)
	8738 (Two Conductor)
General-use Unshielded Hook-up Wire	8530 (Solid) Available in 12 Colors
	8524 (Stranded) Available in 12 Colors
300-Ohm Tuner Input Lead	Use BELDEN No. 8225
300-Ohm Antenna Lead-in	8275 (Foam Core) or 8285 (Foam Jacketed)
Antenna Rotor Cable	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		
V1	Video Cathode Follower - Sync Amp - Bandpass Amp		6MV8			V6	Vert. Mult. - Vert. Output		15MF8		
V2	Video Output - Pincushion Correction		9AH9			V7	Horiz. AFC - Horiz. Osc. - Horiz. Discharge		6U10		
V3	Sound-Sync-AGC Amp-Sound IF		6MV8			V8	Horiz. Output		20LF6 (26LX6) *		
V4	Audio Detector - Audio Output		10Z10			V9	HV Rectifier		3DJ3 (30B3, 3DC3) *		
V5	Sync Separator - AGC Keying- Noise Canceller		3HS8			V10	Damper		19CG3		
						V11	G-Y Amp - B-Y Amp - R-Y Amp		9MN8		
						V12	Burst Amp - 3.58MC Oscillator		3EJ7		

*Alternate

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	MFR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
VT3	AG/16VBFP22			XR16VACP22	Models: SD1610R, D3722W, D3722W3
	AG/16VBHP22				Models: D3720L, D3720L1, D3720L2

SEMICONDUCTORS

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
IC1	221-62	GE1C-5	IC-508		HEPC6057P	SK3077	TVM2	ECG 713
Q1	121-501	GE-60	IRTR-71	PTC132	HEP718	SK3117	RT112	ECG 161
	121-500	GE-60	IRTR-71	PTC132	HEP718	SK3117	RT112	ECG 161
	121-503	GE-60	IRTR-71	PTC132	HEP718	SK3117	RT112	ECG 161
	121-505	GE-60	IRTR-71	PTC132	HEP718	SK3117	RT112	ECG 161
Q2	121-502		IRTR-70		HEP709	SK3039	RT113	ECG 161
	121-470		IRTR-70		HEP709	SK3039	RT113	ECG 161
	121-504		IRTR-70		HEP709	SK3039	RT113	ECG 161
	121-506		IRTR-70		HEP709	SK3039	RT113	ECG 161
Q3	121-526	GE-61	TR-21	PTC132	HEP719	SK3132	RT112	ECG 161
	121-524	GE-61	TR-21	PTC132	HEP719	SK3132	RT112	ECG 161
Q4	121-587	GE-17	TR-21	PTC126	HEP55	SK3016	RT107	ECG 108
Q5	121-499	GE-18	TR-25	PTC143	HEP243	SK3024	RT114	ECG 128
Q7	121-699	GE-21	TR-30	PTC103	HEP715	SK3114	RT115	ECG 159
Q8	121-748	GE-20	TR-24	PTC121	HEP728	SK3018	RT102	ECG 123A
X1	212-76	GE-504A	8D4 or 5A4D	PTC201 or	HEP157 or	SK3016 or	RT214 or	ECG 116 or
				PTC202	HEP158	SK3031	RT215	ECG 117
X2	212-76	GE-504A	8D4 or 5A4D	PTC201 or	HEP157 or	SK3016 or	RT214 or	ECG 116 or
				PTC202	HEP158	SK3031	RT215	ECG 117
X3	212-76	GE-504A	8D4 or 5A4D	PTC201 or	HEP157 or	SK3016 or	RT214 or	ECG 116 or
				PTC202	HEP158	SK3031	RT215	ECG 117
X4	103-202	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
X5	103-23	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
X6	103-23	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
X7	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X8	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X9	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X10	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X11	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X12	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X13	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X14	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X15	212-92	GE-504A (3)	CD05 or 8D4 (3)	PTC403 or PTC201 (3)	HEP157 (3)	SK3017A (3)	RT215 (3)	ECG 116 (3)
X16	103-142	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X400		GE-300	D200	PTC214		SK3100	RT218	ECG 177

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.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	300	200V	22-5748		WBR300-250	XC1-23	FP141	TVA-1628
C3a	270	350V	22-5746	AFH2-41-92 (3)	DD0052A(1)(2)		FP227.9 & TC692A	TVL-2642.8
C4a	150	350V	22-6312					TVL-4823
C4b	4	350V						
C4c	200	35V						
C5	10	350V						
C6	200	35V	22-5677	ME-J250	EA50-250	WBR250-50	QT1-27	TVA-1311.5
C7	20	25V	22-4509	ME-4-J-020	EA50-25	WBR25-50	MT1-12	EV-1624
C8	1NP	25V	22-4909			BRNP-1-50	MTA200G50	TVAN-1202
C9	4	150V	22-5425	CTA-1200		WBR4-150	TCN501	TVA-1402
C10	10	350V	33-6340	CTA-1370		WBR10-450	TC62A	TVA-1604
C11	100	50V	22-6043	ME-J100	EA50-100	WBR100-50	TC3501B	TVA-1310
C12	200	25V	22-5175	ME-G200	EA30-250	WBR250-25	MTA200F25	TVA-1207.7
C13	1NP	25V	22-4909			BRNP-1-50	TCN501	TVAN-1202
C14	1	50V	22-3687	ME-1-J-001	EA50-2	WBR1-50	MTA1050	TVA-1300
C15	30	10V	22-5417	ME-3-D-030	EA15-25	WBR35-50	MTA30D15	TVA-1129.92
	10	3V	22-3705	ME-1-A-010	EA6-10	WBR10-25	MTA10D35	TVA-1082

(1) Parallel 250 & 25mfd Section Units. (2) Disregard 100mfd Section Unit. (3) Indicates AEROVOX Part supplied by ARCO.

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	8	NPO 5%	22-5805		NPO8		
C22	4.25	N075 +.25	22-5389				10TCC-V27
C23	2.7	5%	22-3405				
C24	3.6	N75 +.25	22-5784				
C25	4.25	N075 +.25	22-5389				
C26	3.6	+ .25	22-5784				
C27	3.6	N75 +.25	22-5784				
C28	5	NPO +.25					
C29	4.25	N075 +.25	22-5389		NPO5		10TCC-V50
C30	.001			CCD-102	GP1000	GP210	10TS-D10
C31	47	5%		CCTO-470	NPO47	CN0447	10TCC-Q47
C32	.15	50V	22-3724	4DP-4-154	DPMS4P15	PVC6015	4PS-P16
C33	.82	5%					
C34	.0015			CCD-152	GP215		10TS-D15
C35	14	NPO 5%		DTZ-15	CN0415		10TCC-Q15
C36	.001			CCD-102	GP1000	GP210	10TS-D10
C37	.001			CCD-102	GP1000	GP210	10TS-D10
C38	24	NPO 5%	22-2515	CCTO-240	TCZ-24		
C39	.0015			CCD-152	DTZ-15	GP215	10TS-D15
C40	47	N1500 5%	22-3395		HV3-47	GP215	10TS-D15
C41	14	NPO 5%		CCTO-150	NPO15	CN0415	10TCC-Q15
C42	65	N1500 5%	22-6034		GP1000	GP210	10TS-D10
C43	.001			CCD-102	GP1000	GP210	10TS-D10
C44	.0015			CCD-152	DTZ-15	GP215	10TS-D15
C45	8	NPO 5%	22-5805		NPO8	GP215	10TCC-Q10
C46	220			CCD-221	GP220	GP322	10TCC-Q10
C47	56	N1500 5%	22-6035				4PS-S22
C48	140	N1500 5%	22-6036				10TCC-Q75
C49	8	NPO 5%	22-5805		NPO8		10TCR-Q20
C50	6	NPO 5%	22-5819		NPO6		
C51	10	NPO 5%		CCTO-100	NPO10	CN0410	
C52	10	NPO 5%		CCTO-100	NPO10	CN0410	
C53	.022			4DP-2-223	DPMS6S22	PVC6122	
C54	6	NPO 5%	22-5819		NPO6		
C55	75	NPO 5%		CCTO-750	DTZ-75	*	
C56	20	N220 10%	22-5339				
C57	2.3	5%					
C58	1-9		22-5476				
C59	6	NPO 5%	22-5819		NPO6		
C60	.01			CCD-103	DD-103	GP10000	JF110
C61	47	N75 5%	22-2467				10TS-S10
C62	4.3	NPO +.25	22-3703				
C63	50	N750	22-3515				
C64	180	10%	22-5216	DM-20-181J	CPR-180J	CD15FD181J03	MS-318
C65	.001	1KV		CCD-102	DD-102	GP1000	10TS-D10
C66	2.5	5%	22-4522				
C67	100	10%		CCTO-101	DTZ-100	NPO100	10TCC-T10
C68	.01			CCD-103	DD-103	GP10000	10TS-S10
C69	470	N1500 10%	22-3298				10TCJ-T47
C70	220	1KV 10%		CCD-221	DD-221	GP322	10TS-T22
C71	20	N330 10%	22-5438				10TCS-Q20
C72	150	N750		DTN-150	N150	CN7315	10TCU-T15
C73	.01			CCD-103	DD-103	JF110	10TS-S10
C74	.0068	1KV		CCD-682	DD-682	JF268	10TS-D68
C75	.15	100V		4DP-4-154	DPMS4P15	PVC6015	4PS-P16
C77	.001			CCD-102	GP1000	GP210	10TS-D10
C78	470			CCD-471	GP470	GP347	10TS-T47
C79	.05	100V		CCD-503	CK-503	MGPO5	TG-550
C80	220	1KV 10%		CCD-221	DD-221	GP322	10TS-T22
C81	.01			CCD-103	DD-103	GP10000	10TS-S10
C82	.01			CCD-103	DD-103	JF110	10TS-S10
C83	.1	400V		4DP-3-104	DPMS4P1	PVC401	4PS-P10
C84	.0039	600V		6DP-1-392	CPR-3900J	PVC6239	6PS-D39
C85a	.0022			CCD-222	DD-222	GP2200	10TS-D22
C85b	.0022			CCD-222	DD-222	GP2200	10TS-D22
C86	.01			CCD-103	DD-103	GP10000	10TS-S10
C87	47	N75 10%	22-2376				
C88	.1	1KV	22-5597				
C89	.039	400V		6DP-3-393	DPMS6S39	PVC6139	10TM-P10
C90	.0047	10%		CCD-472	GP4700	JF247	6PS-S39
C91	.1	600V			DD-472G	DPMS6P1	10TS-D47

AFT PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q1	121-827	GE-20	TR-21	PTC115	HEP720	SK3018	RT107	ECG 108
X1	103-192 (2)	GE-300	D200	PTC214		SK3100	RT218	ECG 177
X2	103-192 (2)	GE-300	D200	PTC214		SK3100	RT218	ECG 177

(2) Matched Pair

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	1 25V		ME-1-G-001	EA30-2	WBR1-50	MT1-1	MTA1D50	TVA-1200

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.002		22-4729				
C6	8.2pf	NPO +.5			NP08P2		10TCC-V82
C7	220pf		22-4744				
C8	.001		22-4728				
C10	.002		22-4729				
C11	.001		22-4728				
C12	6.8pf	N075 10% +.5					
C13	10pf			DTZ-10	NP010	CN0410	* 10TCC-Q10
C14	10pf			DTZ-10	NP010	CN0410	10TCC-Q10
C15	.002		22-4729				
C16	.002		22-4729				
C17	.001		22-4728				

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

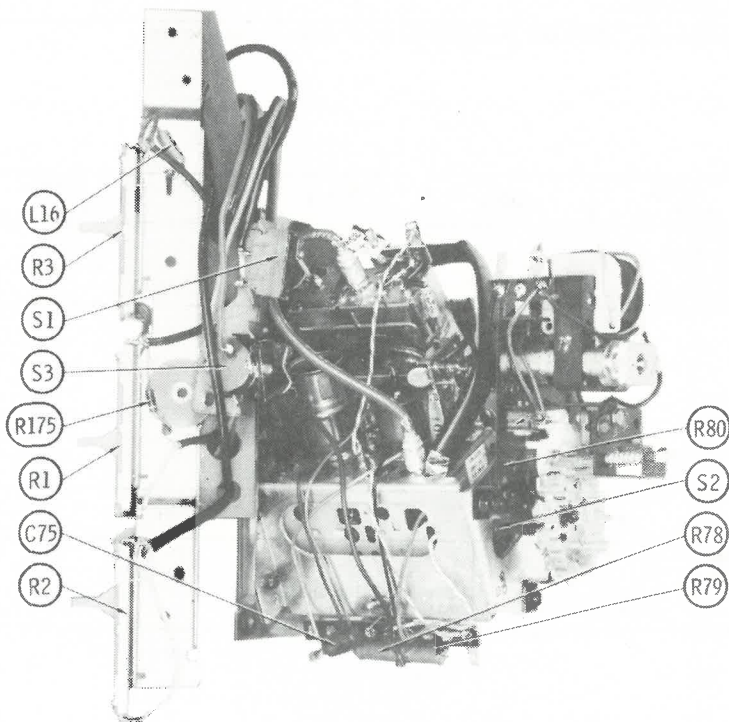
COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	AFT Input	20-3219		4202	
L2	AFT Discriminator	S-84160			
L3	RF Choke	20-2534 (1)	19-2016 (2)	72F105AP (2)	T823 (2)
L4	Trap				

(1) Wound on 18K Resistor. (2) Shunt with 18K Resistor.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
S1	Switch	85-1130	AFT Defeat



TUNER ASSEMBLY

ZENITH
CHASSIS 14DC15, 14DC16

FOLDER 3

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFRG. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	5600	3.2	95-2688	A-3309	24S48	S-6X	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFRG. PART No.	QUAM PART No.	
SP1	3" x 5" PM 3.2 ohms	49-1200 49-1202-02 49-1242 49-1242-01	35A05	Models D3722W, D3722W3, SD1610R Models D3722W, D3722W3, SD1610R Models D3720L, D3720L1 Model D3722L2

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA							
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	
F1	2-1/2" length #24 wire	91-2061							
F2	Be1-Fuse 2.7 Amp	136-76	62-68					W2700-1	
F3	Be1-Fuse .15 Amp	136-102	62-106						
F4	Be1-Fuse 500ma	136-84	62-87						
F5	750ma - 250V	136-25		GJV-3/4		318.750		W500-1	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	VHF Antenna	1-118	JFD Replacement TA-503 Model SD1610R
	VHF Antenna	1-116	JFD Replacement TA-510 Models D3720L/L1/L2, D3722W/W3
	UHF Antenna	S-59774	JFD Replacement TA-544 Model SD1610R
	VHF Tuner	175-673	
	VHF Tuner	175-674	
	VHF Tuner	175-1179	
	VHF Tuner	175-1402	
	UHF Tuner	175-82	
	UHF Tuner	175-86	
	UHF Tuner	175-87U	
	UHF Tuner	175-89	
	UHF Tuner	175-977	
M4	Crystal	103-211	3.58MC
M5	Spark Gap	52-957	
M6	Spark Gap	52-957	
M7	Spark Gap	52-957	
M8	Spark Gap	52-957	
M9	Spark Gap	52-957	
M15	Delay Line	S-91584	
M16a	Degaussing Coil		
b	Degaussing Coil		
PC1	Component Combination	87-7	Vertical Integrator
PC2	Component Combination	105-104	Isolation, CENTRALAB Replacement PC419
S1	Switch	85-994	Normal-Service (Set-up)
S2	Switch	S-82442	UHF B+ and Dial Lamp
S3	Switch	85-1316	On/Off Models D3722W/W3, SD/610R
	Magnet	S-84834	Purity & Lateral Assembly
	Socket	S-93069	CRT Socket Terminal Assembly (Includes M8 thru M14)

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Models D3720L/L1/L2		Knob - UHF Dial (D3722W3)	46-9660
Cabinet	S-93092	Knob - Volume, Color, Tint	46-7058
Cabinet Back	14-10137	Knob - Brightness, Contrast, Vert Hold	46-8150
Knob - VHF Channel Selector	46-9649	Knob - Horiz Hold	46-3289
Knob - VHF Fine Tuning	46-7054	Knob - Peak Pix (D3722W3)	46-9665
Knob - UHF Tuning (D3720L)	46-8574		
Knob - UHF Tuning (D3720L1/L2)	46-7714		
Knob - UHF Dial (D3720L1)	46-9661	Model SD1610R	
Knob - UHF Dial (D3720L2)	46-9662	Cabinet	S-94129
Knob - Volume, Color, Tint	46-9647	Cabinet Back	14-10139
Knob - Brightness, Contrast, Vert Hold	46-9645	Knob - VHF Channel Selector	46-9546
Knob - Horiz Hold	46-3289	Knob - VHF Fine Tuning	46-7060
		Knob - UHF Tuning	46-8572
Models D3722W/W3		Knob - UHF Dial	S-91850
Cabinet	S-94085	Knob - Volume, Color, Tint	46-7058
Cabinet Back	14-10138	Knob - Brightness, Contrast, Vert Hold	46-8150
Knob - VHF Channel Selector	46-9544	Knob - Horiz Hold	46-3289
Knob - VHF Fine Tuning	46-7060	Knob - Peak Pix	46-9665
Knob - UHF Tuning (D3722W)	46-8572		
Knob - UHF Tuning (D3722W3)	46-7715		
Knob - UHF Dial (D3722W)	S-92270		

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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CAPACITORS (cont)

ITEM No.	RATING	MFRG. PART No.	REPLACEMENT DATA				
			ARCO/ELMENC0 PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C92	.0047 600V 10%		6DP-1-472		DMS6D47	PVC6247	6PS-D47
C93	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C94	.033 200V 10%		4DP-2-333		DPMS6S33	PVC6133	4PS-S33
C95	330 1KV 10%		CCD-331	DD-331	GP330	GP333	10TS-T33
C96	.0015 1KV 10%		CCD-152	DD-152	GP215	GP215	10TS-D15
C97	.0068 10%		CCD-682	DD-682	JF268	JF268	10TS-D68
C98	100 3KV N1500 5%				HV3-100		30TCY-T10
C99	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C100	750		CCD-751	DD-751		GP375	10TS-T75
C101	.0022 10%		CCD-222	DD-222	GP2200	GP222	10TS-D22
C102	.047 100V 10%		1DP-2-473		DPMS6S47	PVC1147	225P47391WD3
C103	.05 25V		1DP-2-503		DPMS4S5	MAG251E	2PS-S50
C104	680 10%		CCD-681	DD-681	GP680	GP368	10TS-T68
C105	.0011 100V 10%		CPR-1100J		CD19FD112J03	SX211	MS-211
C106	.0015 400V 10%		6DP-1-152	CPR-1500J	DPMS6D15	PVC6215	6PS-D15
C107	.0047 10%		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C108	470 1KV 10%		CCD-471	DD-471	GP347	GP347	10TS-T47
C109	.0022 10%		CCD-222	DD-222	GP2200	GP222	10TS-D22
C110	120 2KV N1500 10%			DD-30-121	HV3-120	6HV312	30GA-T12
C111	.022 600V		6DP2-2-223		DPMS-6S22	PVC6122	6PS-S22
C112	75 6KV N1500				HV6-75		
C113	.1 1KV						
C114	.01 1.5KV		16DP-3-103		DPMS16S1	PVC1611	10TM-P10
C115	.1 200V 10%		2DP-3-104		DPMS2P1	PVC201	16PS-S10
C116	47pf		CCT0-470	DTZ-47	NP047	CN0447	2PS-P10
C117	.1 200V		2DP-3-104		DPMS2P1	PVC201	10TCC-Q47
C118	.01		CCD-103	DD-103	GP10000	JF110	2PS-P10
C119	.047		4DP-3-473		DPMS6S47	PVC4147	10TS-S10
C120	.01		CCD-102	DD-102	GP1000	GP210	4PS-S47
C121	.1 400V		4DP-3-104	DD-102	DPMS4P1	PVC401	10TS-D10
C122	.001		CCD-102	DD-102	GP1000	GP210	4PS-P10
C123	7 NPO				NP07		10TS-D10
C124	.0047 10%		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C125	47 N75						
C126	220 1KV 10%		CCD-221	DD-221	GP220	GP322	10TS-T22
C127	36 N33 5%						
C128	220 1KV 10%		CCD-221	DD-221	GP220	GP322	10TS-T22
C129	220 1KV		CCD-221	DD-221	GP220	GP322	10TS-T22
C130	.05 25V		CCD-503	CK-503	MGP05	TA150	10TS-T22
C131	.047		6DP-3-473		DMF6S47	PVC614	10TS-S10
C132	.01		CCD-102	DD-102	GP1000	GP210	10TS-D10
C133	.01		CCD-102	DD-102	GP1000	GP210	10TS-D10
C134	18 NPO 5%		CCT0-180		NP018	CN0418	10TCC-Q18
C135	.0018 1KV 10%		16DP-2-182	DD-182	DPMS16D18		10TS-D18
C136	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C137	.001 100V 10%		6DP-1-102	DD-102	DPMS6D1	PVC621	6PS-D10
C138	.001 400V 10%		6DP-1-102	DD-102	DPMS6D1	PVC621	6PS-D10
C139	.0022 100V		6DP-1-222	DD-102	DPMS6D22	PVC6222	6PS-D22
C140	.047		6DP-3-473		DMF6S47	PVC6147	6PS-S47
C142	.001 1KV		CCD-102	DD-102	GP1000	GP210	10TS-D10
C143	.047		6DP-3-473		DMF6S47	PVC6147	6PS-S47
C144	.047 100V		6DP-3-473		DMF6S47	PVC6147	6PS-S47
C145	.01		CCD-103	DD-103	GP10000	JF110	10TS-S10
C146	.001 1KV 10%		CCD-102	DD-102	GP1000	GP210	10TS-D10
C147	.001 1KV		CCD-201	DD-201	GP200	GP320	10TS-T20
C148	.082 200V 10%		6DP-4-823		DPMS6S82		6PS-S82
C149	.082 200V 10%		6DP-4-823		DPMS6S82		6PS-S82
C150	.1 200V 10%		2DP-3-104		DPMS2P1	PVC201	2PS-P10
C152	.1 200V 10%		2DP-3-104		DPMS2P1	PVC201	2PS-P10
C153	.033 50V 10%		4DP-2-333		DPMS6S33	PVC6133	4PS-S33
C156	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C157	110pf						
C158	.047 600V		6DP-3-473		DPMS6S47	PVC6147	6PS-S47
C159	.001 1.4KV		16DP-2-102		AC-1000	UAC210	125L-D10
C160	.01		CCD-103	DD-103	GP10000	JF110	10TS-S10
C163	.05 100V		6DP-3-503		DPMS6S5	PVC615	6PS-S50
C164	15		CCT0-150	DTZ-15	NP015	CN0415	10TCC-Q15
C165	120 2KV 10%			DD-30-121	HV3-120	6HV312	30GA-T12
C166	.0033		CCD-332	DD-332	GP3300	JF233	10TS-D33
C180	5 NPO 5%						10TCC-V50
C181	.047		6DP-3-473		NP05	DMF6S47	6PS-S47
C182	.001		6DP-1-102	DD-102	DPMS6D1	PVC621	6PS-D10
C183	.01		4DP-1-103	CPR-10000J	DPMS6S1	PVC411	4PS-S10
C301	.047		6DP-3-473		DMF6S47	PVC6147	6PS-S47
C304	470pf		CCD-471	DD-471	GP470	GP347	10TS-T47
C401	.01		CCD-103	DD-103	GP10000	JF110	10TS-S10
C406	330pf		CCD-331	DD-331	GP330	GP333	10TS-T33
C410	.01		CCD-103	DD-103	GP10000	JF110	10TS-S10
C412	.047		6DP-3-473		DMF6S47	PVC6147	6PS-S47
C413	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C414	.0015		CCD-152	DD-152	GP1000	GP215	10TS-D15

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

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFRG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Hue (Tint)	200	63-7990				
	(Slider Type)						
	Hue (Tint)	200	63-7980 (4)			BU11, CF75, SS16, DC1*	

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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CONTROLS (All wattages 1/2 watt, or less, unless listed) (cont)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R2	Volume (Slider Type)	1meg	63-7993				
R3	Volume	1meg	63-9852 (4)				
	Color Level (Slider Type)	500	63-7991				
R4	Brightness	1meg	63-8461 (4)	F1-500, SNF108	NP-500-S, NMS-A-300, TT-2	B11-103, TM10 or [BU11, CF4, SS16, DC1]	RU52L, SL37, SD1375 or [UA52L, SD1375]
						B11-137, TM10 or [BU11, CF17, SS16, DC1]*	RU16L, SL37, SD750 or [UA16L, SD750]
R5	Contrast	500	63-7975	F5-500, SNF100	NP-500-V, NMS-A-300, TT-2	B17-103, TM10 or [BU11, CF50, SS16, DC1]*	RU52R, SL37, SD750 or [UA52R, SD750]
R6	Vert. Hold	750K	63-7973	F1-750K, SNF100	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD750 or [UA16L, SD750]
R7	Focus	15meg	63-9013	FTT-15meg		FC-1	FCT156L
R8	AGC Delay	500	63-8543	TT-4 or [F1-500, SNK010]	B47-500-S or [NP-500-S, NML-A-300, TT-2]	B11-103, TM4 or [BU11, CF4, SS6A]*	PTA52L or [RU52L, SL37, SN1000] or [UA52L, SN1000]
						B11-114, TM4 or [BU11, CF8, SS6A]*	PTA53L or [RU53L, SL37, SN1000] or [UA53L, SN1000]
R9	AGC Level	5000	63-7976	TT-10 or [F1-5000, SNK010]	B47-5000-S or [NP-5000-S, NML-A-300, TT-2]		
R10	Peak Picture	1500	63-9942	F1-1500, SNK010 or TT-511	B47-1500-S or [NP-1500-S, NML-A-300, TT-2]	B11-109, TM4 or [BU11, CF7, SS6A]*	PTA152L or [RU152L, SL37, SN1000] or [UA152L, SN1000]
R11	Color Killer	500K	63-9929	F1-500K, SNK012 or TT-59	B47-500K-S or [NP-500K-S, NML-A-300, TT-2]	B11-133, TM4 or [BU11, CF16, SS6A]*	PTA55L or [RU55L, SL37, SN1000] or [UA55L, SN1000]
R12	Buzz	750 2W	63-6487	WT-850 (2), WSK104		P115R102A (2), P115-117-1	MR850T (2), MRS1250
R13	Vert. Linearity	2000, 2W, 250 Stop	63-7983	WT-2.5K (2) (3) WSK104		P115R252A (2)(3), P115-117-1	MR2500T (2)(3), MRS1250
R14	Blue Screen (G2)	5meg	63-6977	F1-5meg, SNK104, AK-45 or [F1-5meg(1), SNK012]		HLC5 (1)	PTA56L (1) or [UA16L (1), SN1000] or [RU16L (1), SN1000]
R15	Green Screen (G2)	5meg	63-6976	F1-5meg, SNK104, AK-45 or [F1-5meg(1), SNK012]		HLC5 (1)	PTA56L (1) or [UA16L (1), SN1000] or [RU16L (1), SN1000]
R16	Red Screen (G2)	5meg	63-6978	F1-5meg, SNK104, AK-45 or [F1-5meg(1), SNK012]		HLC5 (1)	PTA56L (1) or [UA16L (1), SN1000] or [RU16L (1), SN1000]
R17	Height	7meg	63-6433	TT-90 or [F1-7.5meg, SNK010]	B47-7.5meg-S or [NP-7.5meg-S, NML-A-300, TT-2]	HLC6	PTA755L or [UA755L, SN1000] or SU69
R18	High Voltage Adjust	3meg	63-8460				
R19	R/G Vert. Lines (Tilt)	60 ohms	63-9015	WCP-60 or V-60	U39-75	110C60	MRC60P
R20	R/G Horiz. Balance	550 ohms @ 75 Stop @ 75 Stop 2W	63-9018				
R21	Blue Horiz. Lines (Tilt)	150 2W @ 60 Stop	63-9017				
R22	R/G Vert. Lines (Top & Bottom)	60 2W	63-9015	WCP-60 or V-60	U39-75	110C60	MRC60P
R23	R/G Vert. Balance (Top & Bottom)	75 2W	63-9020	WCP-100 or V-100	U39-75	110-100	MRC100P
R24	Blue Horiz. Lines (Top & Bottom)	30 2W	63-9014	WCP-30 or V-30	U39-50	110C30	MRC30P

(1) Use original nylon tab mount. (2) Ground center terminal to chassis.
(3) Connect a 270-ohm, 2-watt resistor in series with terminal. (4) Used in Models D3720L, D3720L1 and D3720L2.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFG. PART No.			WORKMAN PART No.	MFG. PART No.
R31	10 1/4W	CD-10	63-9921-24	R138	6000 5W	5W-SQ-6K	63-5011
R32	10 1/4W	CD-10	63-9921-24	R155	22K 3W	3G-22K	63-5025
R66	4700 7W	7G-4.7K	63-7455	R156	VDR*		63-7143
R77	3100 5W	5G-3.3K	63-8986	R188			63-9893E (63-9012)
R78	10K 4W	4G-10K	63-2623	R194	Thermistor (3 Cold)	FR3.5	63-8687
R79	9100 4W	5W-SQ-9K	63-5251				
R90	12K 3W	3G-12K		R195	4 18W	20W-SQ-4	63-8257
R107	Thermistor		63-6824	R252	VDR*		63-7658
R137	VDR*		63-7658	R301	VDR*		63-7658

* Voltage dependent resistor.

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			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1a,b	39.75MC Trap	20-1658			
L2	1st Video IF	20-1660			
L3	41.25MC Trap	20-1659			
L4	47.25MC Trap	20-1659			
L5	2nd Video IF	20-1661			
L6	3rd Video IF	20-1657			
L7	4th Video IF, Primary	20-1662			
L8	41.25MC Trap	20-1657			
L9	4th Video IF, Secondary	20-3238			
L10	RF Choke (27uh)	20-2712		4204	T218
L11	RF Choke (27uh)	20-2712		72F275AP	
L12	Channel 8 Trap	20-1726		72F275AP	
L13	RF Choke (27uh)	20-2707		74F275A1	T863
L14	4.5MC Trap	S-77669		SI-203	
L15	Peaking (320uh)	20-2520 (1)	19-3375 (2)	6134 (2)	T321 (2)
L16	RF Choke (27uh)	20-2007		72F275AP	
L17	Peaking (450uh)	20-2007		72F474AP	T323
L18	Peaking (220uh)	20-2517 (3)	19-2027 (4)	72F224AP (4)	T345 (4)
L19	RF Choke (27uh)	20-2712		72F275AP	
L20	Channel 8 Trap	20-1726			
L21	Sound Takeoff	S-77414			
L22	Sound IF	S-74445			
L23	Quadrature	S-80480		SI-204	
L24	RF Choke (10uh)	20-2005	19-2016	1470	
L25	RF Choke (10uh)	20-2005	19-2016	72F105AP	T823
L26	Peaking (85uh)	20-2528 (5)	19-2023 (6)	72F105AP	T823
L27	Chroma Bandpass	95-2971		72F825AP (6)	T301 (6)
L28	RF Choke (11.3uh)	20-2053	19-2016		
L29	Peaking (201uh)	20-2022	19-4201	72F125AP	T860
L30	3.58MC Oscillator	S-80791		72F224AP	
L31	RF Choke (1.8uh)	20-2052		CO-119	
L32	3.58MC Output	S-81327		74F186AP	T811
L33	RF Choke (663uh)	20-2061	19-3660	CO-128	
L34	RF Choke (3uh)	20-2056	19-3660	72F684AP	TA330
L35	Peaking (663uh)	20-2061	19-3660	74F336AP	T816
L36	Peaking (663uh)	20-2061	19-3660	72F684AP	TA330
L37	Peaking (663uh)	20-2061	19-3660	72F684AP	TA330
L38	Line Choke (115uh)	95-2964		5250 (8)	
L70	RF Choke (3uh)	20-2056		74F336AP	T816
L52	Peaking (100uh)	20-2021	19-3100	72F104AP	T305

(1) Includes a 6800-ohm resistor. (2) Shunt with a 6800-ohm resistor. (3) Includes a 12K resistor.
(4) Shunt with a 12K resistor. (5) Includes a 8200-ohm resistor. (6) Shunt with a 8200-ohm resistor.
(8) Two Required.

COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA					
		MFG. PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L45	Horiz. Oscillator (Hold)	S-56877	H-161				
L46	Pincushion Correction	S-77784					
L47	Right R/G Vert. Lines	20-3385					
L48	Right Horiz. Blue Lines	20-3386					
L50	Convergence Yoke Assembly	S-89834					
a	Red & Green	S-89904					
b	Blue	S-89903					

FILTER CHOKE

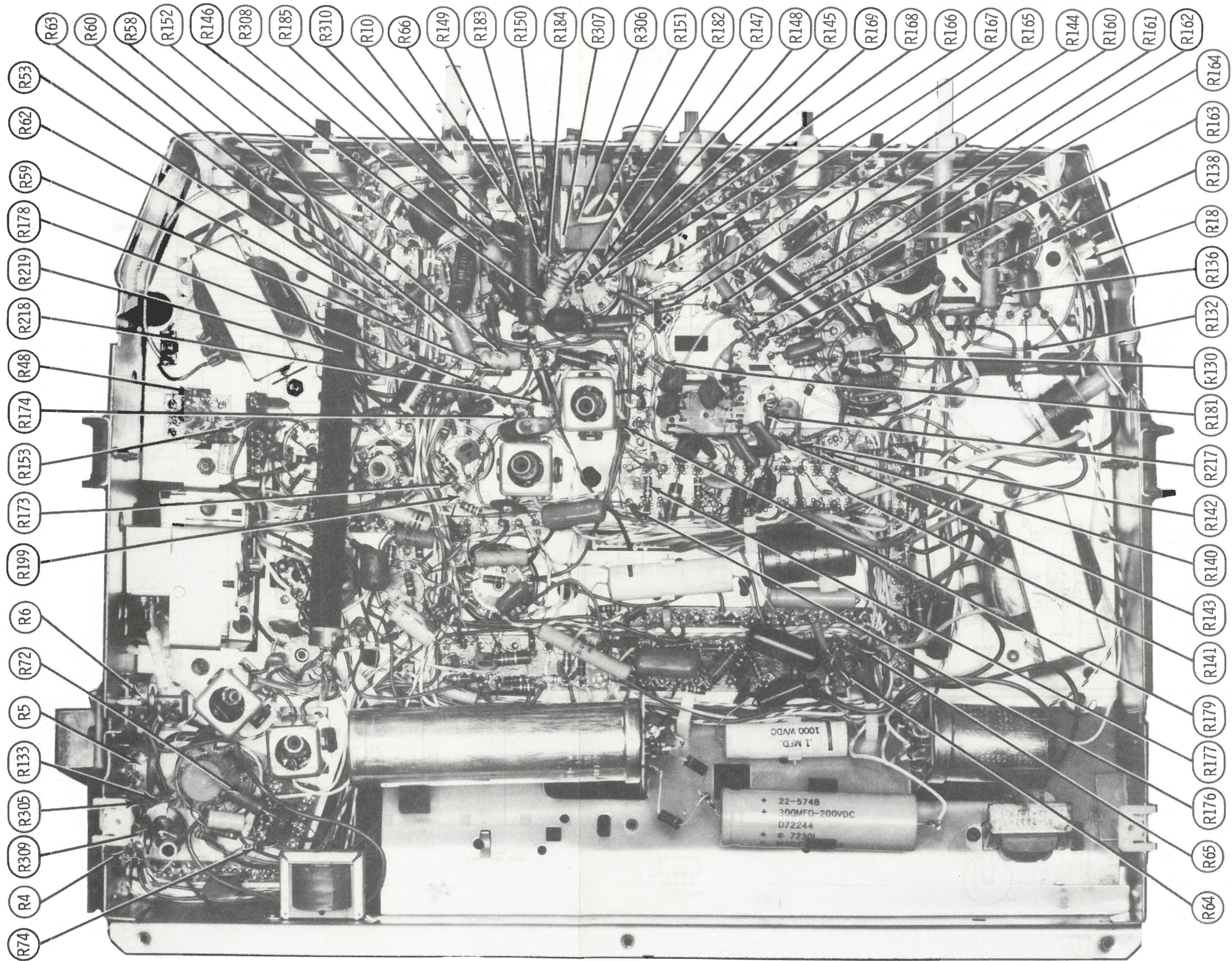
ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFG. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L39	.490A DC	18	.700 H	95-2917	C-2708	26C81	C-40X	
L40	.085A DC	35	.500 H	95-2733				

TRANSFORMER (Power)

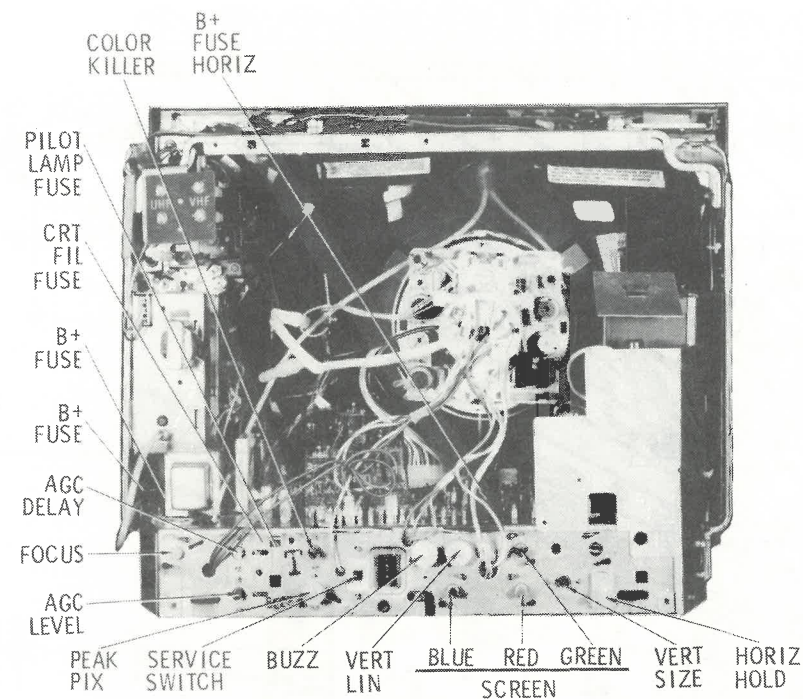
ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFG. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .1A AC Tap @ 22VAC @ 6.3VAC	6.3VAC @ 1A AC	95-2944				

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		MFG. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T3	Vert. Output	95-2924				
T4	Yoke (Horiz. 12mh) 90° (Vert. 25mh)	S-92263	DY-101AC (1)			
T5	Horiz. Output	S-89112				(1) Exact Replacement.



CHASSIS-BOTTOM VIEW



CABINET—REAR VIEW DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove eight screws holding cabinet back. Disconnect antenna leads. Remove all knobs on front and side of cabinet.

Note: Most components can be serviced with back removed.

Disconnect high-voltage anode lead, picture-tube socket, deflection-yoke plug, convergence plug, control plugs, AFT switch plug, IF cable, speaker leads, six grounding straps, and degaussing plugs.

Remove nine screws holding chassis to cabinet and remove chassis from cabinet. Remove three screws holding tuner-mounting assembly and remove tuner-mounting assembly.

PICTURE TUBE REMOVAL

Follow Chassis Removal procedure and lay set face down on a soft protective surface.

Remove four screws holding picture tube. Remove degaussing assembly. Remove picture tube but do not lift picture tube by the neck.

SERVICING IN THE FIELD

CRT IMPLOSION PROTECTION AND CLEANING

Implosion protection is an integral part of the picture tube, cleaning accomplished without CRT removal.

FUSE DEVICES

Three fuses, 2.7A, .75A and .15A are used for low-voltage power-supply protection. (See photo Cabinet-Rear View, also Chassis-Bottom View.)

A 2-1/2" length of fuse wire is used for CRT filament protection. (See photo Chassis-Bottom View.)

A .5-amp fuse is used for horizontal-output tube protection. (See photo Cabinet-Rear View.)

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the horizontal hold coil. (See photo Cabinet-Rear View.)

FOCUS

The focus may be adjusted by the focus control. (See photo Cabinet-Rear View.)

AGC

The AGC may be varied by means of AGC Delay and Level controls. (See Cabinet-Rear View.)

BUZZ

To eliminate intercarrier buzz, adjust the buzz control. (See Cabinet-Rear View photo.)

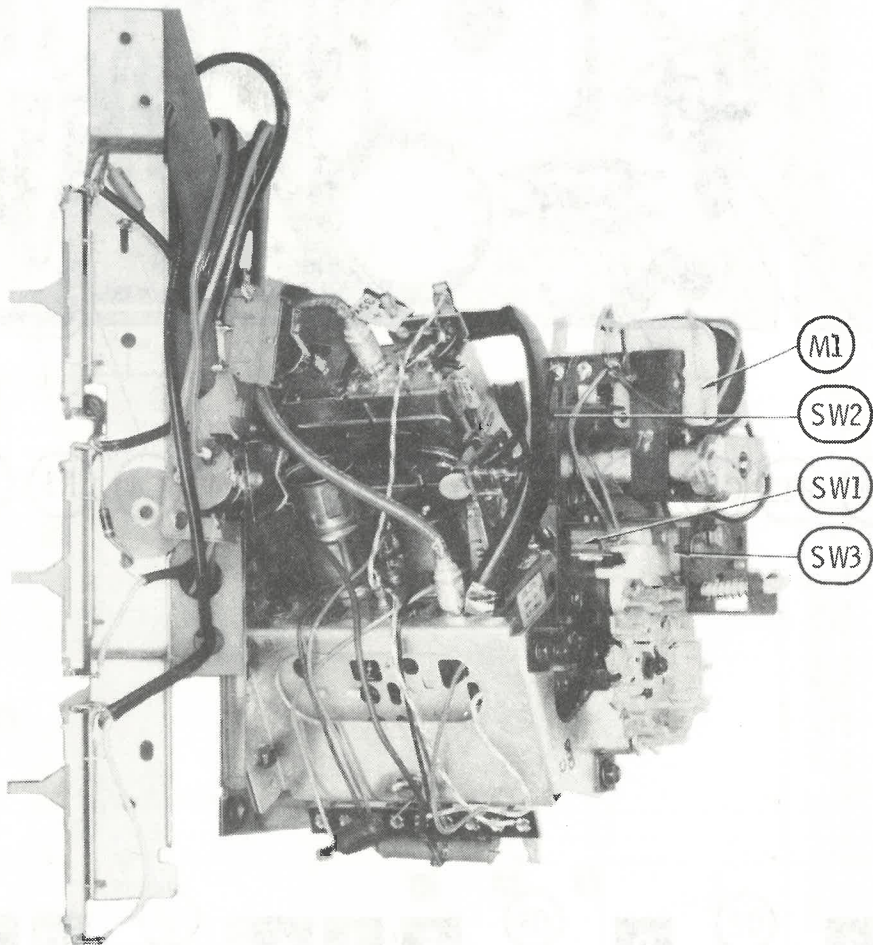
VHF TUNER

The fine tuning mechanically engages oscillator slug for adjustment (one slug for each channel).

IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET 1304 FOLDER 3 . File this Folder with the TV Folder in the yellow filing jacket provided.

ZENITH REMOTE CONTROL RECEIVER S-89741



ZENITH REMOTE CONTROL RECEIVER S-89741

REMOTE CONTROL RECEIVER ALIGNMENT

Use an accurate signal generator. Use only enough signal strength to give a usable indication.				
GENERATOR COUPLING	GENERATOR FREQUENCY	CONNECT VTVM	ADJUST	REMARKS
Thru a .001mfd capacitor to test point A, low side to ground.	40.25KC	To test point B, low side to ground.	A1	Adjust for MINIMUM.

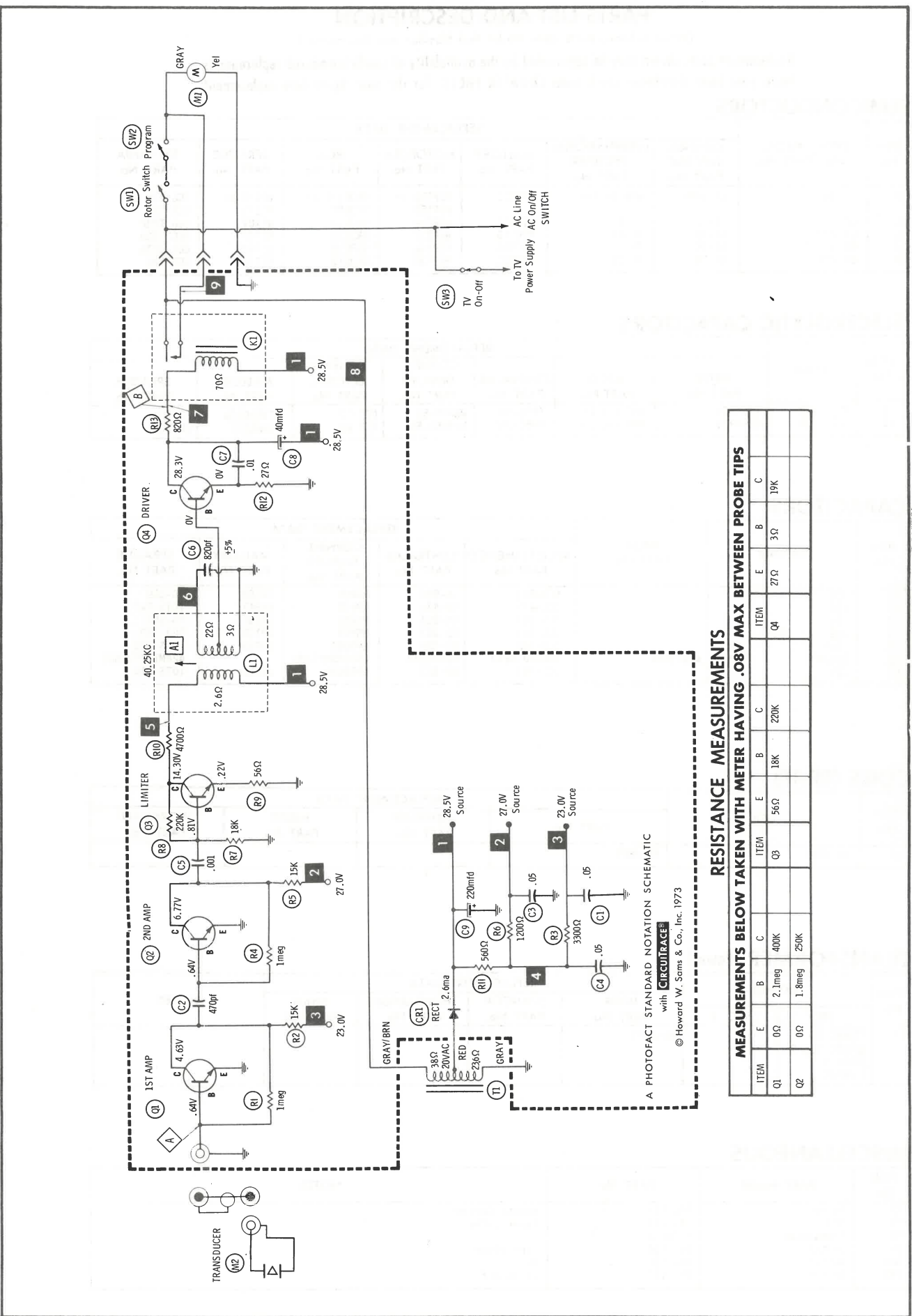
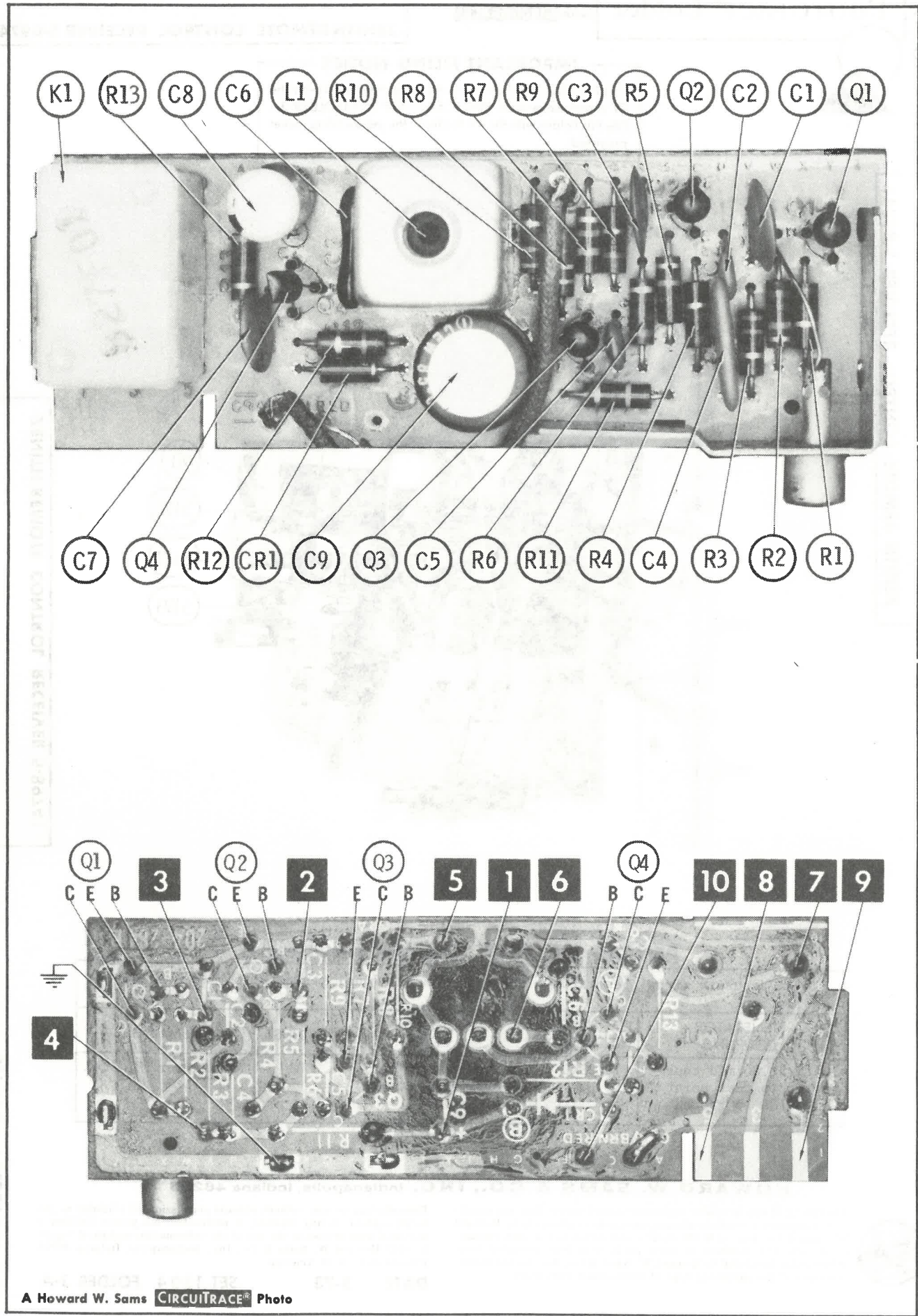
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



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.

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DATE 3-73 SET 1304 FOLDER 3-A



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.

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
CR1	103-203	GE-504A	8D6 or 5A6D	PTC202	HEP158 or HEP159	SK3017A or SK3032	RT210 or RT215	ECG 116 or ECG 117
Q1	121-675	GE-20	TR-21	PTC115	HEP732	SK3018	RT107	ECG 123A
Q2	121-677	GE-20	TR-21	PTC115	HEP732	SK3018	RT107	ECG 123A
Q3	121-677	GE-20	TR-21	PTC115	HEP732	SK3018	RT107	ECG 123A
Q4	121-676	GE-18	TR-25	PTC123	HEP735	SK3018	RT112	ECG 128

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
			MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C8	40	30	22-4934	RME-F-H-050	EP50-50	WBR60-50	MT1-17	MTV50CD35	EV-1426
C9	220	35	22-4933	RME-N-J-250	EA50-250	WBR250-50	QT1-29	TC50025A	EV-1440

CAPACITORS

ITEM No.	RATING		MFGR. PART No.	REPLACEMENT DATA				
				ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	.05	100V	#22-3644	CCD-503	CK-503	MGP05	TA150	TG-S50
C2	470			CCD-471	DD-471	GP470	GP347	10TS-T47
C3	.05			CCD-503	CK-503	MGP05	TA150	TG-S50
C4	.05			CCD-503	DD-503	MGP05	GP150	56A-S50
C5	.001			CCD-102	DD-102	GP1000	GP210	10TS-D10
C6	820pf			VDM-20-821J	CPR-820J	CD19FD821J03	JF110	424ME8200J501
C7	.01			CCD-103	DD-103	GP10000		10TS-S10

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	40.25KC	95-2871			

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	115VAC @ 32MAAC Tap @ 20VAC @ 2.6MADC		95-2913				

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
K1	Relay	195-451	Remote Control Tuner Drive
M1	Motor	141-193	
M2	Transducer	S-78433	Carry-Over Rotor TV On/Off
SW1	Switch	85-1196	
SW2	Switch	85-1196	
SW3	Switch	85-1197	