

CABINET—REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Turn seven plastic retainers and remove two screws. Disconnect two spring clips holding cabinet back. Disconnect antenna leads and remove all knobs.

Remove picture-tube socket, HV anode lead, deflection-yoke plug, remote-receiver plugs, speaker leads, degaussing leads, and convergence plug.

Remove eight screws holding tuner assembly and switches. Lay tuner assembly and switches on TV chassis.

Remove five screws holding chassis and remote receiver. Remove tuner assembly, remote-control receiver, and chassis from the cabinet.

PICTURE TUBE REMOVAL

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

Remove blue lateral and purity magnet, deflection yoke, and convergence yoke.

Remove springs and screws holding degaussing coils and shield to the cabinet.

Remove eight screws securing picture tube to the cabinet front. Do not lift picture tube by the neck of the tube.

PHOTOFACT® Folder

For Supplier Address See PHOTOFACT Index

ZENITH
CHASSIS 14Z8C50

COLOR TV

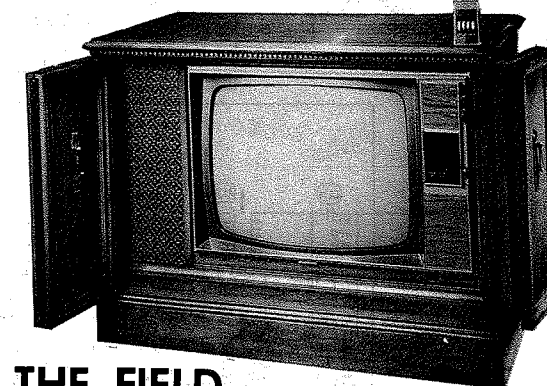
IMPORTANT FILING NOTICE

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

INDEX

Remote Control Receiver S-77536,
Transmitter S-68936 Set 1106, Folder 3-A

MODEL Z6549H09



MODEL	MODEL
GA50-59W9	*Z6519P09,W9,W09
Z4518W9,W09	*Z6520M9,M09
Z4519P9,P09,W9,W09	*Z6524H9,H09
Z4520M9,M09	*Z6541W9,W09
Z4524H9,H09	*Z6543DE9,DE09,P9,P09
Z4526M9,M09	*Z6545H9,H09,X9,X09
Z4528H9,H09	Z6547M9,M09
Z4532DE9,DE09,P9,P09	Z6549H9,H09
Z4533W09	Z8530W9,W09
Z4535M9,M09	Z8548H9,H09
Z4538DE09,P09	*Z8550H9,H09
Z4541W9,W09	Z8558H9,H09
Z4543DE9,DE09,P9,P09	*Z8560H9,H09
Z4545H9,H09	Z8563M9,M09
Z4547M9,M09	*Z8565M9,M09
*Z6208W9,W09	Z8568DE9,DE09
*Z6507W9,W09	*Z8570DE9,DE09

* Models use Remote Receiver #S-77536
Models use Remote Transmitter #S-68936

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 OR FUSE DEVICE

A 1-amp fuse and a .35-amp fuse, 2 1/2" fusible wire, are used for low-voltage power supplies protection. (See "Tube Placement Chart" for location.)

Four 2 1/2" #24 copper wires are used for filament protection. (See "Tube Placement Chart" for location.)

VHF TUNER

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

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the horizontal hold coil. (See "Tube Placement Chart" for location.)

WIDTH

The width may be varied by moving a jumper. (See "Cabinet - Rear View" photo for location.)

FOCUS

The focus may be varied by means of a focus control. (See "Cabinet - Rear View" for location.)

AGC

The AGC may be varied by means of an AGC Level and AGC Delay control. The AGC Level control is adjusted on a strong signal and the AGC Delay control is adjusted on a weak signal. (See "Tube Placement Chart" for location.)

CENTERING

Horizontal centering is accomplished by proper adjustment of the horizontal centering control. Vertical centering is accomplished by proper adjustment of the vertical centering control. (See "Cabinet - Rear View" photo for location.)

REMEMBER TO ASK— "What else needs fixing?"

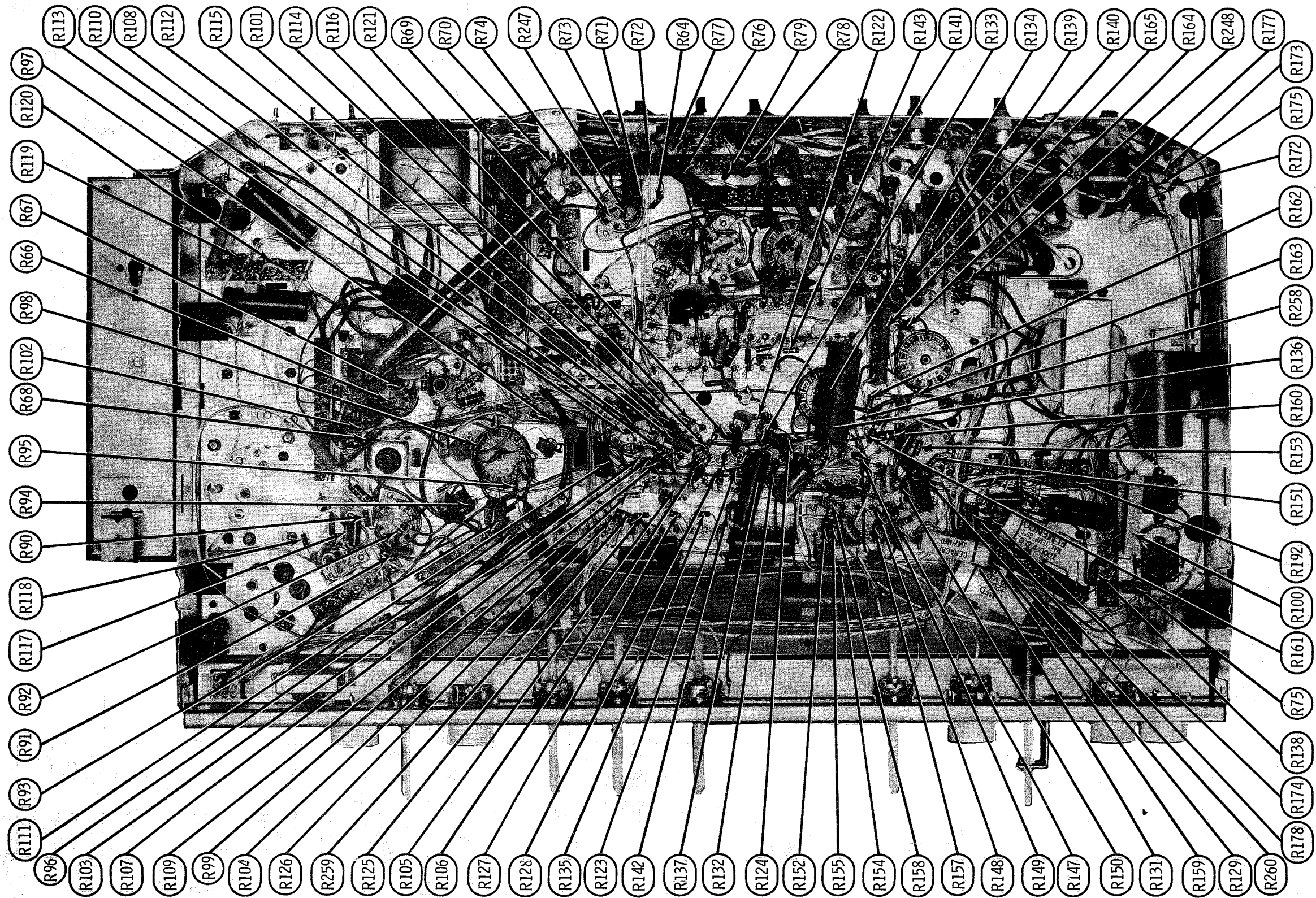
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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. UB646

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DATE 6-70

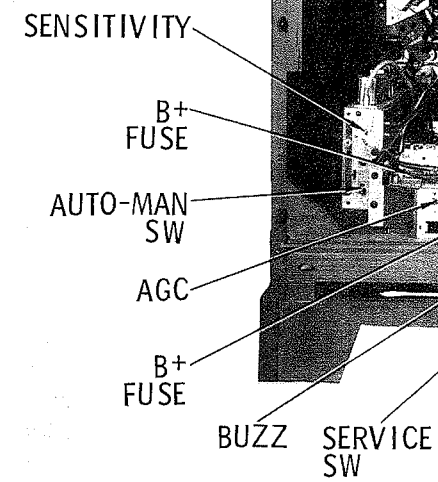
SET 1106 FOLDER 3



CHASSIS - BOTTOM VIEW

ZENITH
CHASSIS 14Z8C50

FOLDER 3



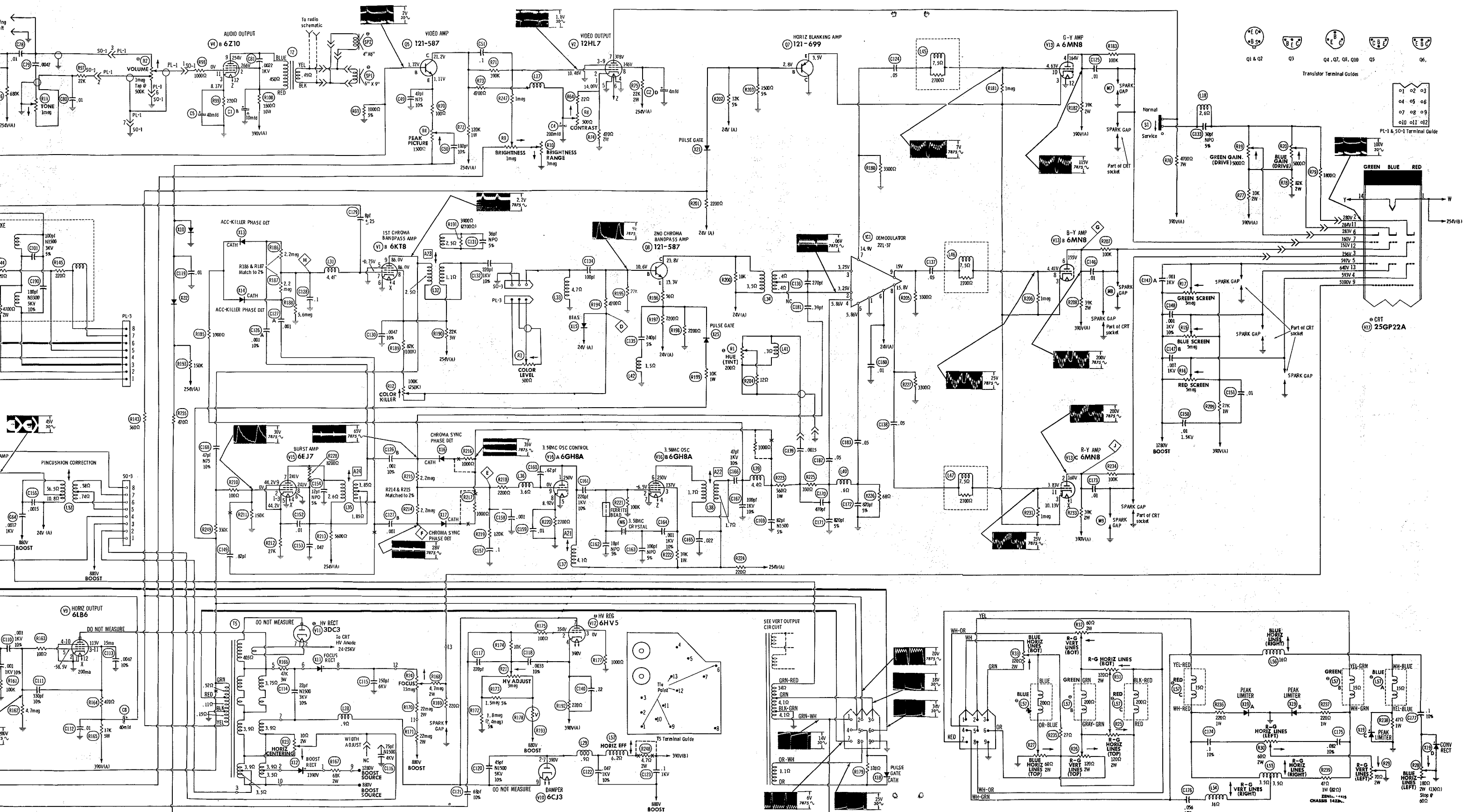
CHASSIS REMOVAL

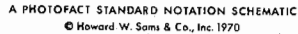
Turn seven plastic retainers and remove chassis from cabinet.
Disconnect two spring clips holding chassis to cabinet.
Disconnect antenna leads and remove chassis.

Remove picture-tube socket, HV anode-to-cathode deflection-yoke plug, remote-receiver speaker leads, degaussing leads, and antenna plug.

Remove eight screws holding tuner assembly from chassis.
Lay tuner assembly and switch on TV chassis.

Remove five screws holding chassis from cabinet.
Remove tuner assembly, remote receiver, and chassis from the cabinet.





RESISTANCE MEASUREMENTS

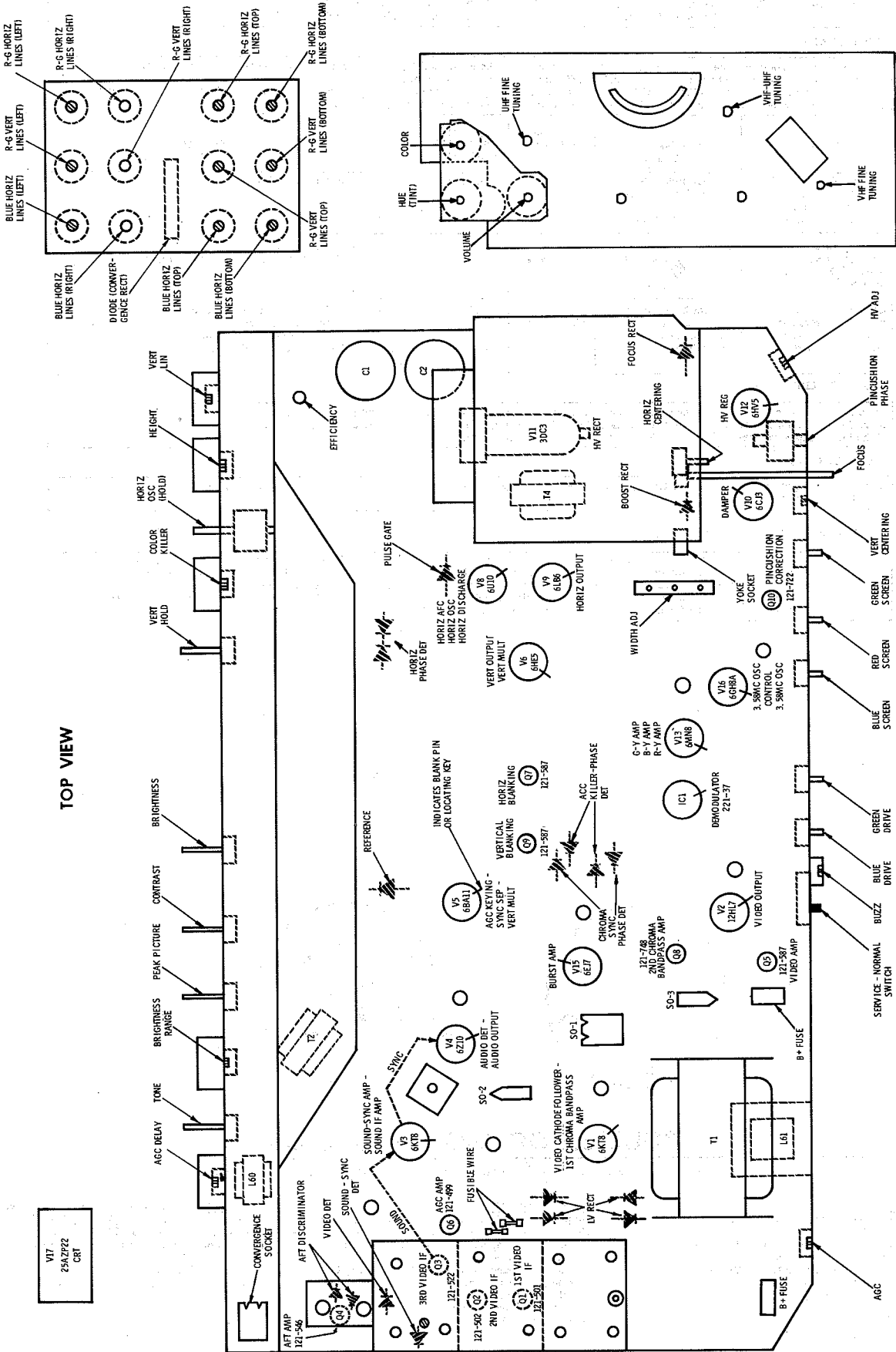
ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP
V1	6KT8	1760Ω	1530Ω*	18.3K†	FIL	FIL	0Ω	2meg	22.8K†	22.8K†				
V2	12HL7	220Ω	338K†	0Ω	FIL	FIL	FIL	3460Ω†	23.3K†	0Ω				
V3	6KT8	0Ω	100K	36.8K†	FIL	FIL	22Ω	4620Ω*	30.4K†	10.5K†				
V4	6Z10	FIL	3500Ω†	220Ω	470K†	3.9Ω	23.1K†	1.0Ω	245Ω	3920Ω†	TP	250K	FIL	
V5	6BA11	FIL	600K	15K†	309K	37K	75K†	10meg†	4010Ω	788K	106K	441meg††	FIL	
V6	6HE5	FIL	2.7meg	NC	NC	NC	922Ω†	NC	TP	NC	13.4K†	430Ω	FIL	
V8	6U10	FIL	700Ω†	6320Ω	0Ω	68.5K†	1500Ω	2.03meg	TP	62.4K	38.2K†	35.2K	FIL	
V9	6LB6	FIL	0Ω	17.5K†	0Ω	4.7meg	NC	NC	0Ω	NC	NC	17.5K†	FIL	18.6Ω†
V10	6CJ3	NC	30.4Ω†	NC	FIL	FIL	NC	30.4Ω†	NC	101meg*				
V11	3DC3	PINS 1 THRU 8 HAVE INFINITE RESISTANCE												448Ω†
V12	6HV5	FIL	4meg††	1000Ω	227Ω†	NC	NC	0Ω†	NC	NC	NC	NC	FIL	
V13	6MN8	FIL	39K†	**	35K†	NC	37K†	NC	**	NC	**	**	FIL	
V15	6EJ7	27K	92.6K	27K	FIL	FIL	0Ω	6280Ω†	6300Ω†	27K				
V16	6GH8A	951Ω†	100K	42.1Ω†	FIL	FIL	951Ω†	0Ω	2700Ω	2.6meg*				
V17	25GP22A	FIL	5340Ω†	129K†	1.8meg††	1.9meg††	3490Ω†	129K†	NC	64.3meg†	NC	3450Ω†	129K†	
												PIN 13 1.6meg††	PIN 14 FIL	
V201	6HA5	3.18meg	0Ω	FIL	FIL	13K†	0Ω	0Ω						
V202	6GJ7/ ECF801	0Ω	680K	0Ω	FIL	FIL	27.7K†	27.7K†	23.0K†	10K				
ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP

* READING DEPENDS ON POLARITY OF METER CONNECTIONS.
† MEASURED FROM PIN 9 OF V10.
NC NO CONNECTION
** READING WILL VARY DUE TO TRANSISTOR IN CIRCUIT.

† MEASURED FROM THE CATHODE OF X3 AND X4.
†† MEASURED FROM THE CATHODE OF X12.
TP TIE POINT

TUBE PLACEMENT CHART

TOP VIEW



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 A20.....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. Low side to ground.		39.75MC 41.25MC 47.25MC	A1 A2, A3, A4, A5 A6, A7	Adjust for MINIMUM.
2. Connect vertical input of a scope to point C. Low side to ground.	Connect high side thru a .001 mfd capacitor to Point C. Low side to ground.	44MC (10MC Sweep)	42.75MC 45.75MC	A8, A9	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
3. Connect vertical input of a scope to point D. Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.	44MC (10MC Sweep)	39.75MC 41.25MC 42.75MC 45.75MC 47.25MC	A10, A11, A12, A13, A14, A15, Mixer Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 2. In order to obtain a proper response, it may be necessary to slightly retouch A 8 and A 9.

SOUND IF ALIGNMENT

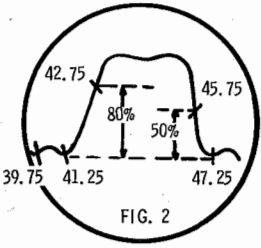
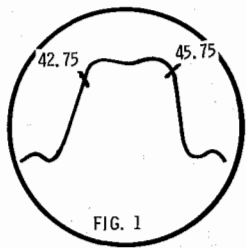
Tune in a station and reduce the signal strength at the antenna terminals until a hiss is heard in the sound. Align for maximum undistorted sound with MINIMUM buzz by adjusting A16, A17, A18, A19, and Buzz control. If the hiss disappears during alignment, further reduce the signal strength.

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 A20 for MINIMUM beat interference.

AUTOMATIC FINE TUNING 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 E, low side to ground. Turn AFT on and fine tune into sound beat for maximum negative DC voltage. Adjust A25 for maximum deflection on meter. Change meter to positive polarity and adjust fine tuning in the opposite direction for maximum deflection. Adjust A26 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 A27 for MINIMUM deflection. Remove VTVM.



TROUBLESHOOTING CHECK CHART

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

SWEEP

No raster, has sound V8 thru V12, V17
No vert. deflection V5, V6
Poor vert. lin. or foldover V5, V6
Poor horiz. lin. or foldover V9, V10
Narrow picture X1 thru X4, V8, V9, V10
Vert. off freq. V5, V6
Horiz. off freq. X23, V8

RASTER

Yellow - No blue V13, V17
Cyan - No red V13, V17
Magenta - No green V13, V17

PICTURE OR SOUND

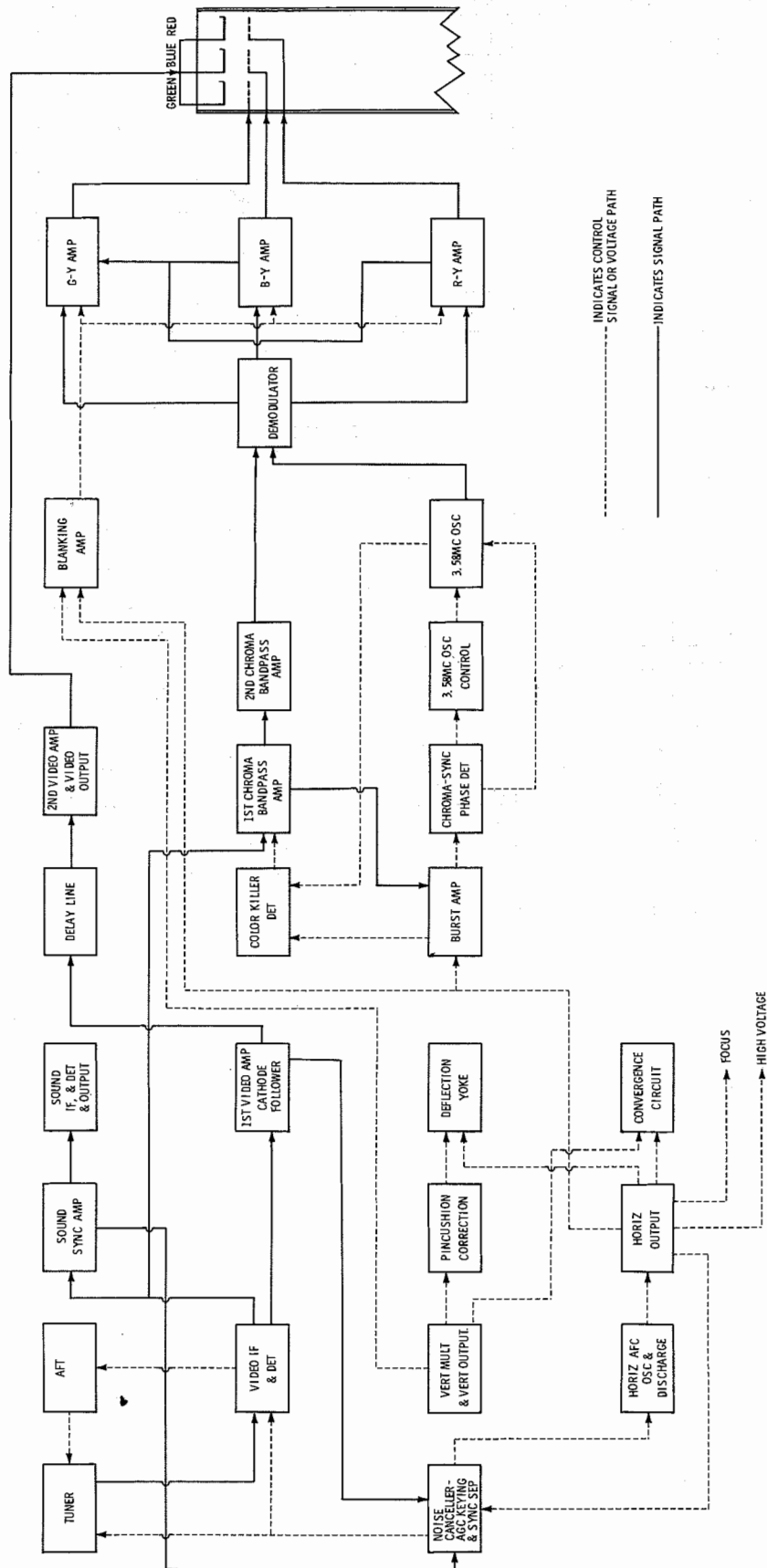
No pic, no sound, no raster X1 thru X4, F1 thru F4
No pic, no sound, has raster Q1, Q2, Q3, V202, F6
No pic, no sound, has snow V201, V202, Q1
No pic, has sound, no raster V2, V17
No pic, has sound, has raster X5, V1, V2, Q5
Has pic, no sound X8, V3, V4
Overloaded picture Q6, V5
Low or excessive brightness Q7, V17
Poor focus X11

COLOR(B/W reception operating normally.)

No color X13 thru X17, V1, Q8, V15, V16
Weak color X13 thru X17, V1, Q8, V15, V16
No color sync X13 thru X17, V15, V16
No blue V13, IC1
No red V13, IC1
Incorrect hue (tint) X13 thru X17, IC1, V15.

SYNC

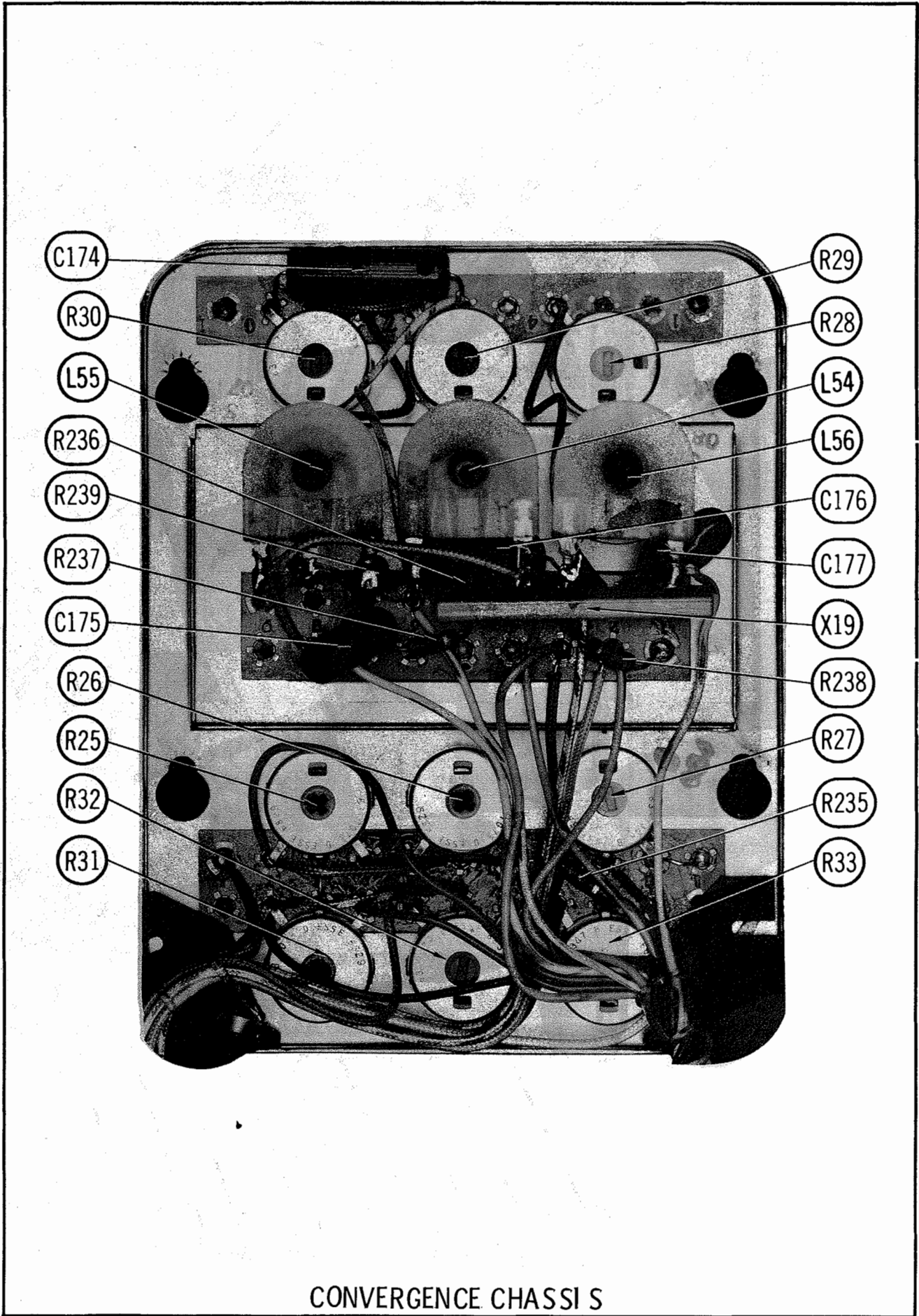
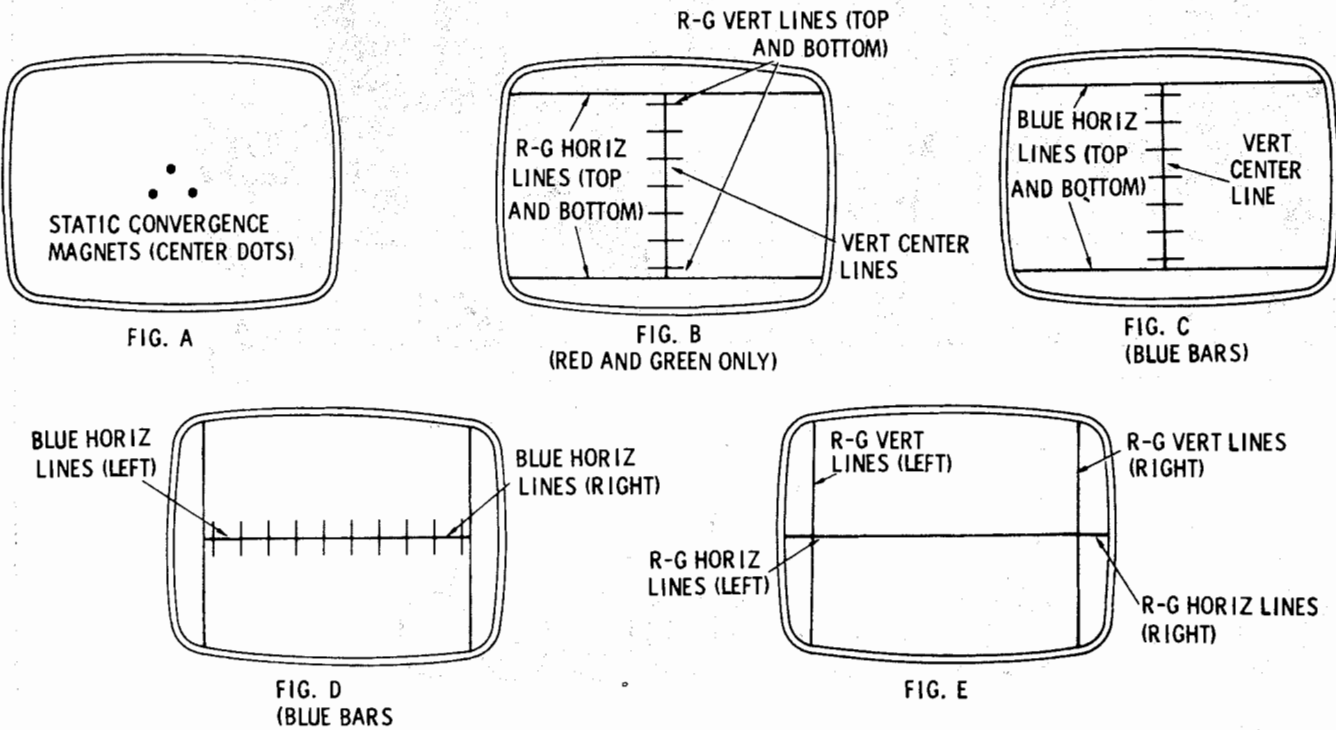
No vert. sync V3, V5
No horiz. sync V3, V5, X23
No vert. or horiz. sync V3, V5

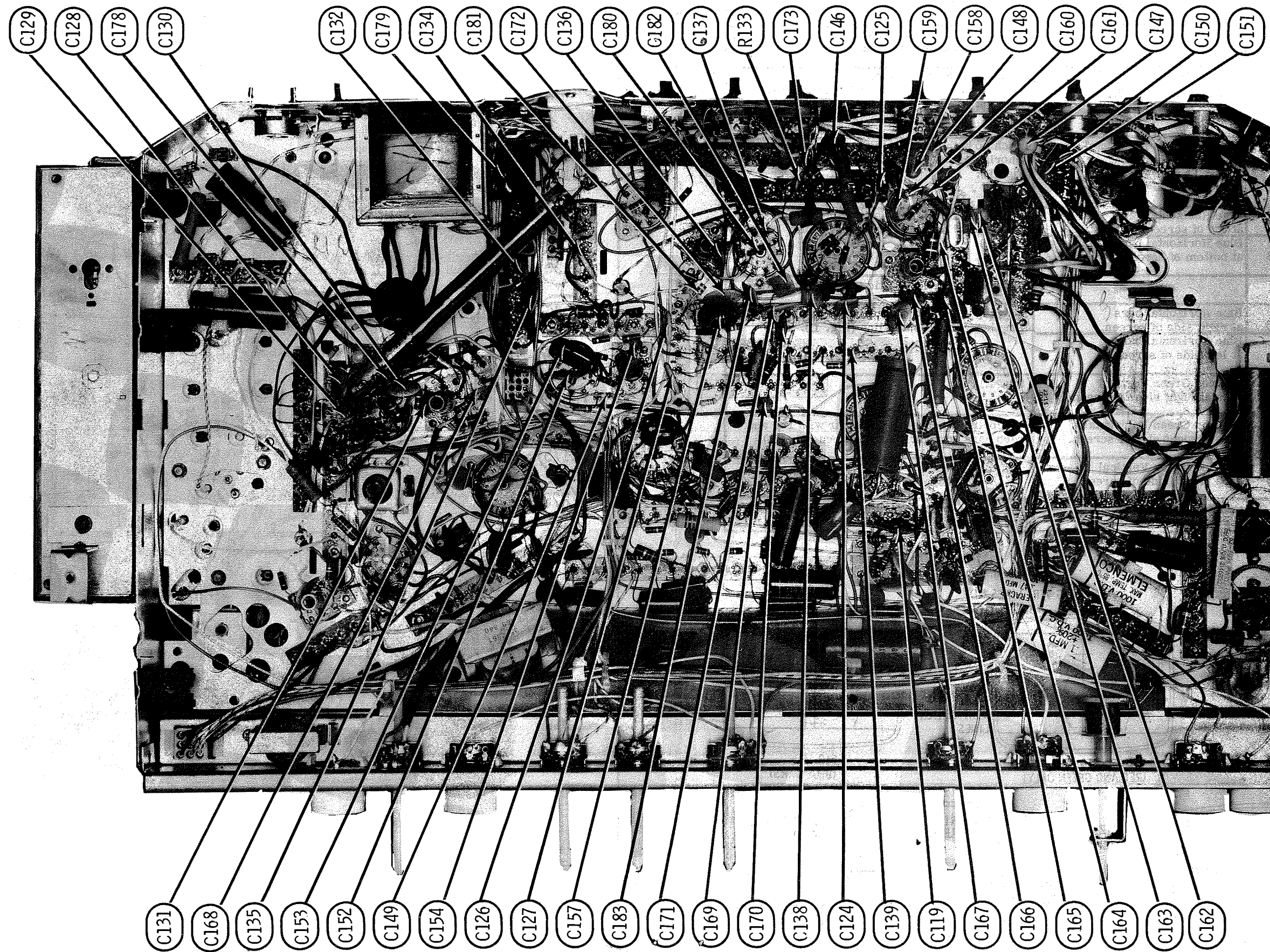


BLOCK DIAGRAM

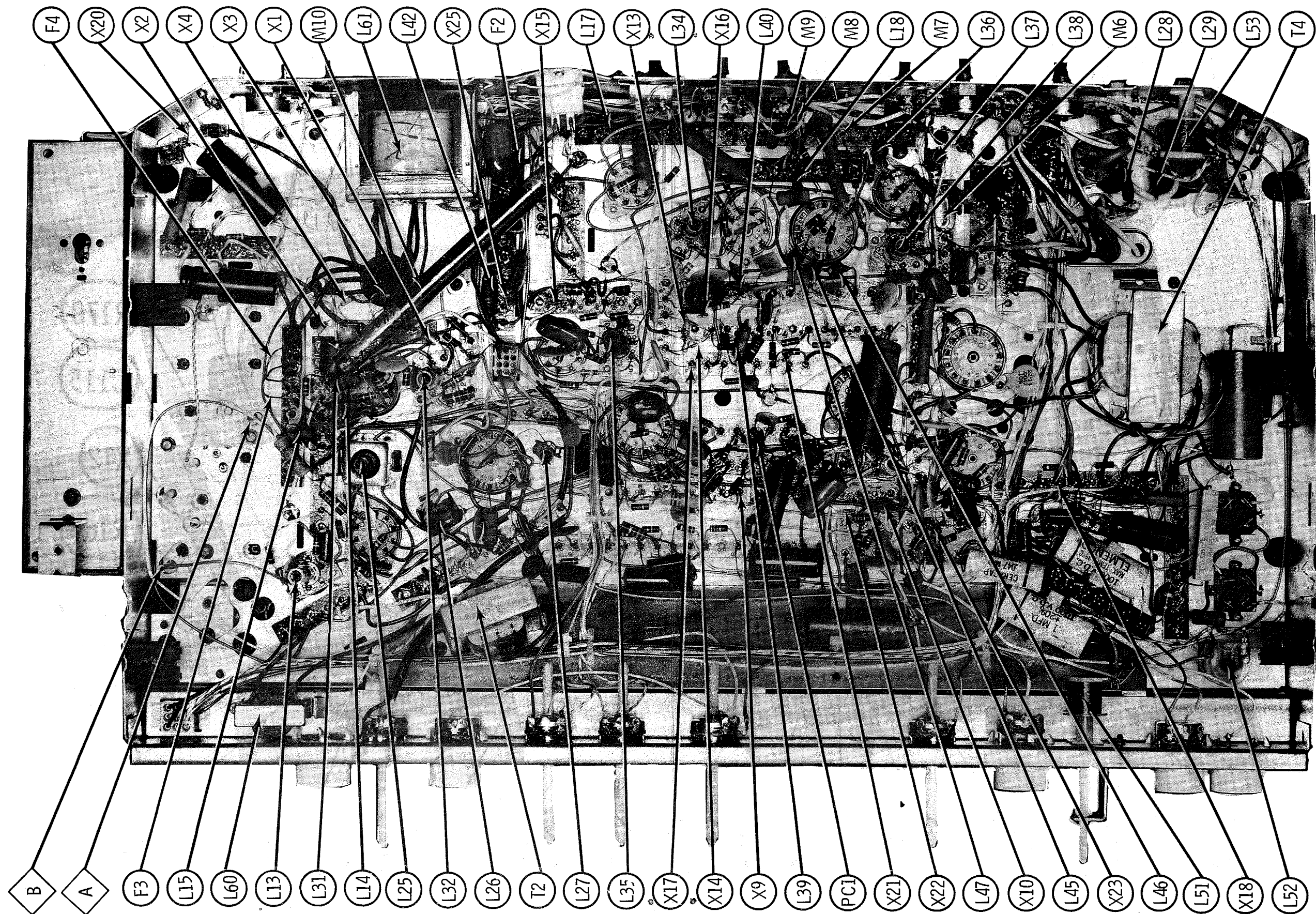
CONVERGENCE ADJUSTMENTS

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 R26	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 R32	Red and Green Vertical bars at bottom of screen.	
4.	R-G Horizontal Lines, Top R25	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 R31	Red and Green Horizontal bars at bottom of screen.	
6.	Blue Horizontal Lines, Top R27	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 R33	Blue Horizontal bars at bottom of screen.	
8.			Perform Center Dot Static Convergence (Fig. A).
9.	Blue Horizontal Lines, Right L56	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 R28	Blue Horizontal bars at left side of screen.	
11.	R-G Vertical Lines, Right L54	Red and Green Vertical bars at right side of screen.	(Fig. E)
12.	R-G Horizontal Lines, Right L55	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 R29	Red and Green Vertical bars at left side of screen.	(Fig. E)
14.	R-G Horizontal Lines, Left R30	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).

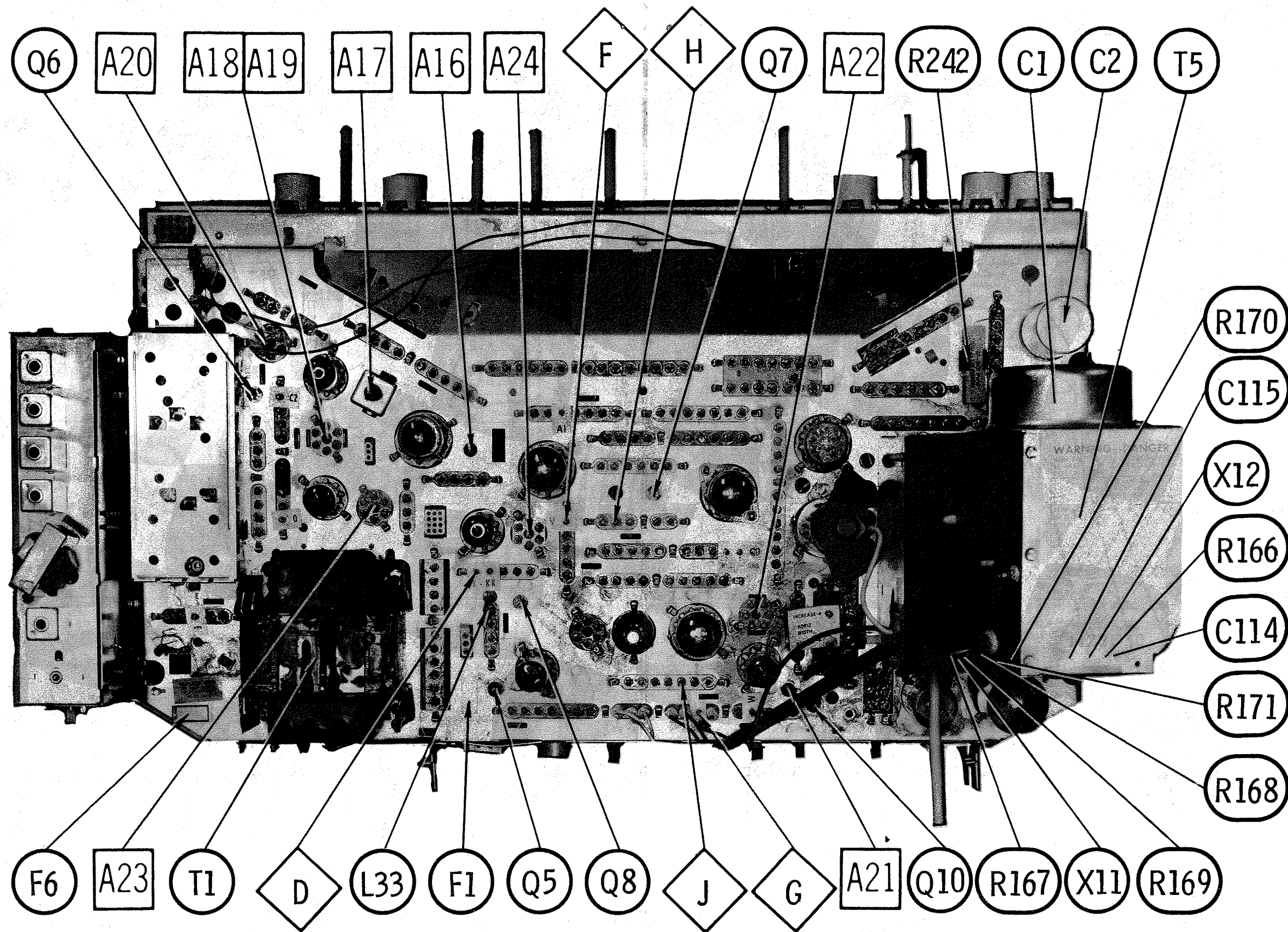




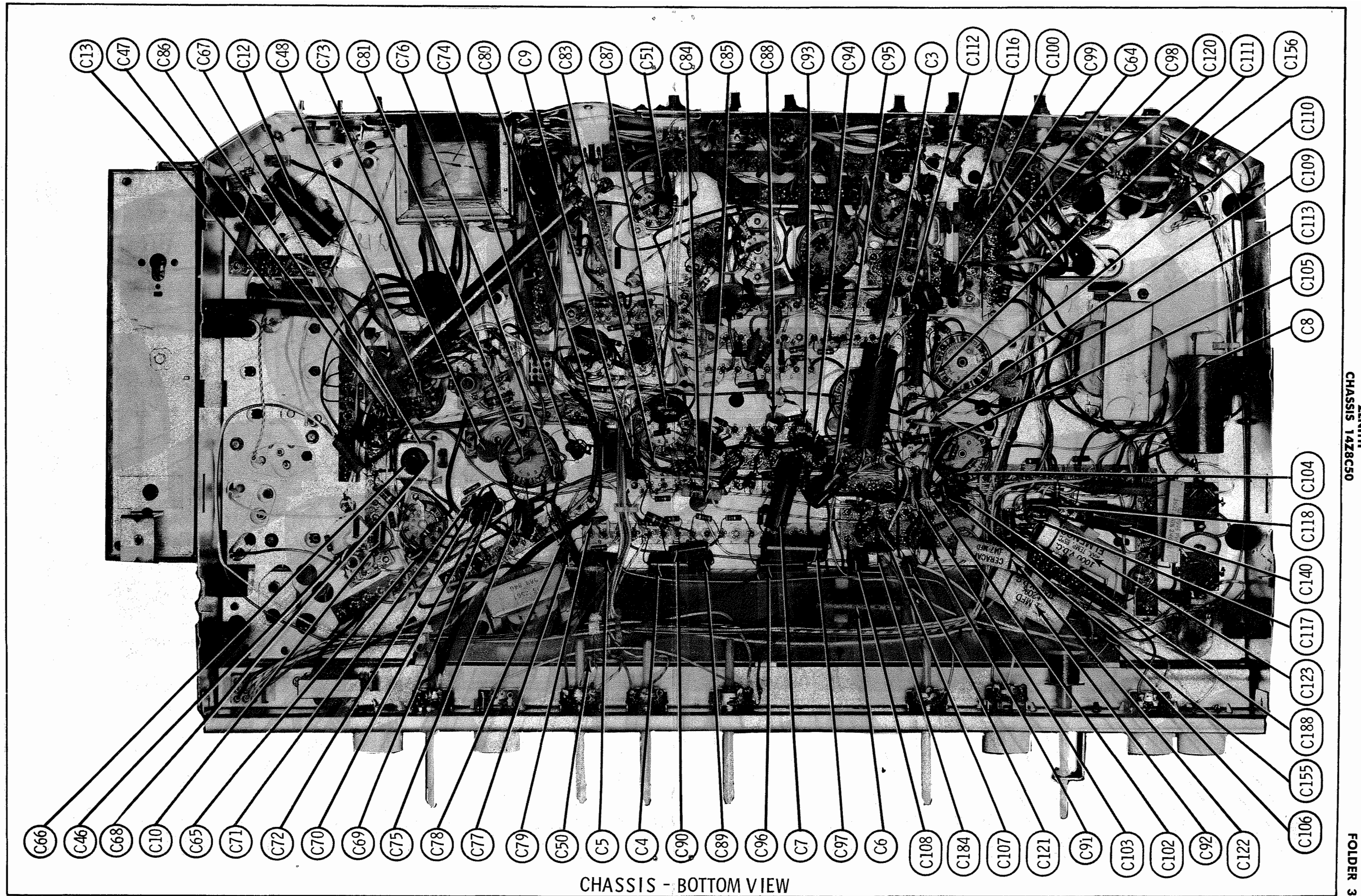
CHASSIS - BOTTOM VIEW



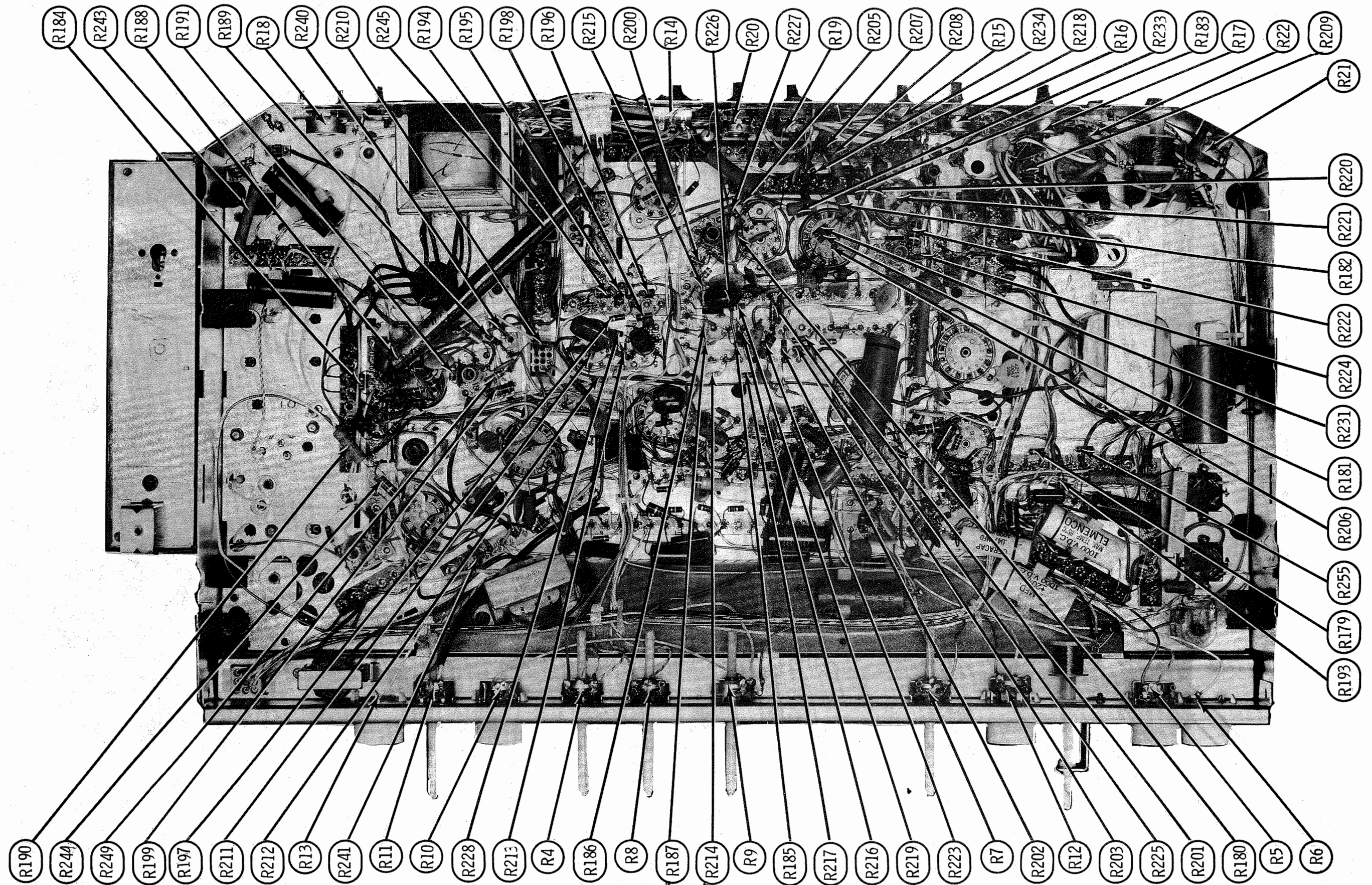
CHASSIS - BOTTOM VIEW



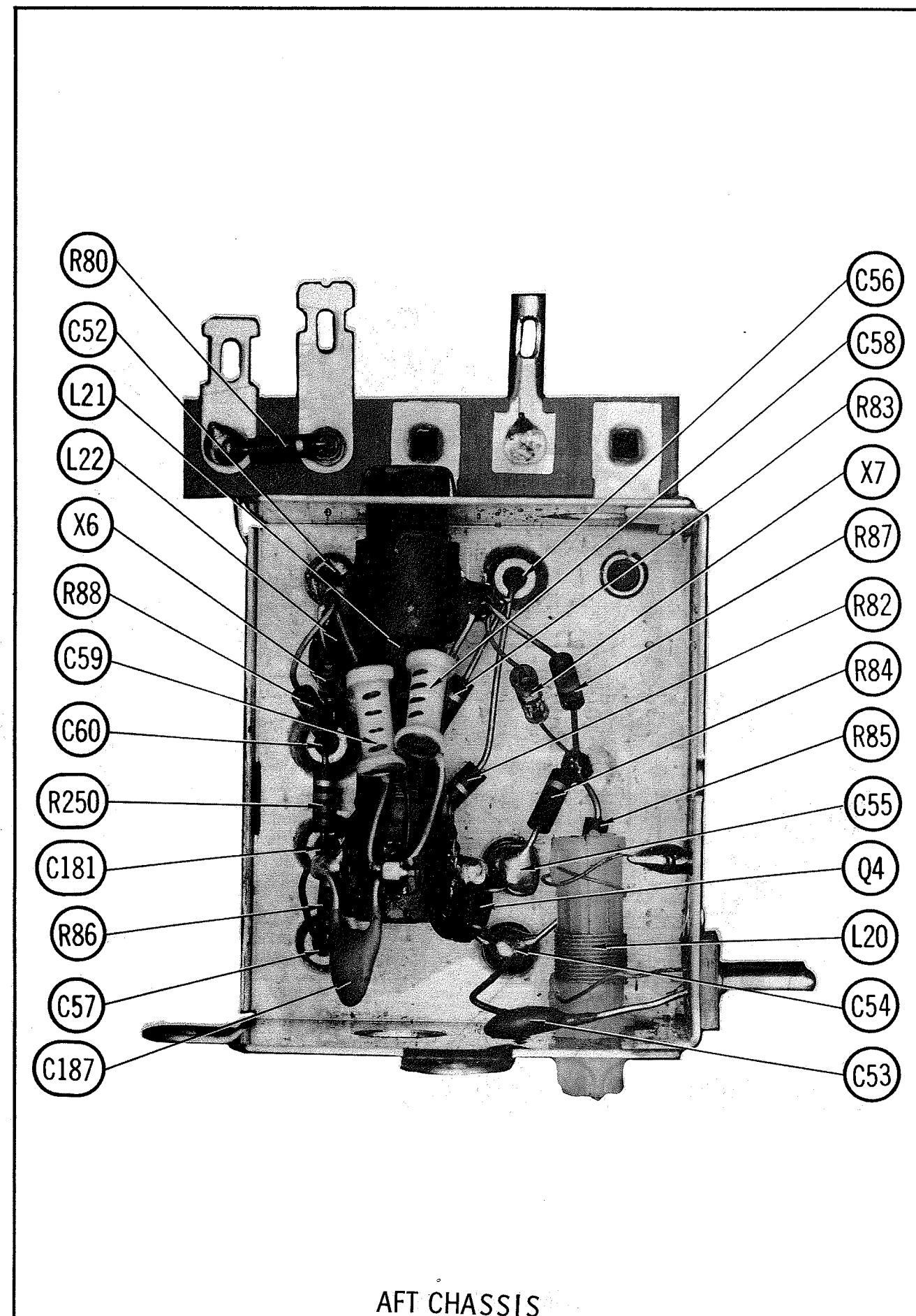
CHASSIS - TOP VIEW



CHASSIS - BOTTOM VIEW



CHASSIS - BOTTOM VIEW



MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Connect a VTVM through a high voltage probe to picture tube anode connector. Remove Efficiency coil jumper and connect a 0-300ma meter across the terminals.

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.

Adjust the Efficiency coil for MINIMUM current on millimeter. Remove meter and reconnect jumper across terminals.

Set Normal-Service switch in Service position. With 117VAC to set, adjust the HV Adjust control for 25KV on picture tube anode connector.

Adjust Focus, Height and Vertical Linearity controls,

AGC ADJUSTMENTS

Tune in a strong TV station and advance AGC control until instability appears in the picture (pulling, jitter, overload, etc.). Reduce the 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. Check all available stations for proper AGC action and repeat above procedure if necessary.

CHROMA BANDPASS AFC ALIGNMENT

Connect a color bar generator to the antenna terminals and adjust the set for normal operation. Connect jumper from Points \diamond to 24V source (across X15) and \square to ground. Adjust A21 until color bars drift slowly across the screen. Connect a jumper from Point \square to ground. Connect DC probe to VTVM through a 4.7meg resistor to Point \square , low side to ground. Adjust A22 for maximum reading on meter.

Remove jumper from Points \square and \square . Set Color Level and Hue to the center of their ranges. Connect vertical input of scope to Point \square , low side to the ground. Adjust Hue control for maximum 6th and 7th bars on scope (Fig. A).

Connect VTVM to Point \square , low side to ground. Remove one end of R191, 3900 Ω Resistor, across L32. Adjust A23 for MINIMUM voltage on VTVM. Remove VTVM and reconnect R191 across L32.

Connect vertical input of scope to Point \square , low side to ground. Adjust A24 for equal amplitude of the 2nd and 4th bars on scope (Fig. B). Set Hue control to fully counterclockwise position. The 1st and 3rd bars or 7th and 9th bars should be of equal amplitude. If not, readjust A24. Set the Hue control to maximum clockwise. The 3rd or 4th and 5th bars should be of equal amplitude.

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 Red screen control to maximum and turn Blue and Green controls to MINIMUM. Loosen 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. Adjust the Blue and Green Gain controls to eliminate coloring in the light and dark areas of the picture.

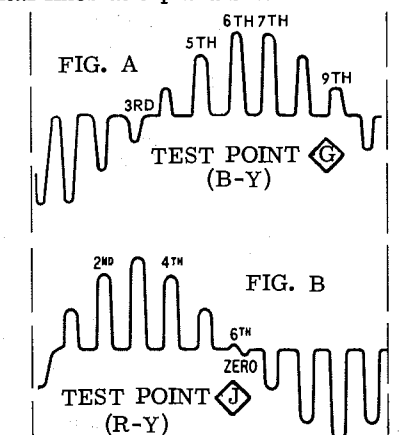
Turn Brightness to maximum and Contrast control to midrange. Adjust the Brightness Range until the picture blooms (distorts), then reduce the control to the point just below where the picture returns to normal.

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

Connect a crosshatch generator to the antenna terminals and adjust set for a normal crosshatch pattern. Adjust Pincushion Correction coil, L53, for straight horizontal lines at top and bottom of the screen.



MISCELLANEOUS ADJUSTMENTS (cont)

COLOR KILLER ADJUSTMENT

First Defeat AFT (S2)

Tune in a color program. Turn color-killer control fully counterclockwise. Adjust fine tuning to a point where color disappears from picture. (detune towards smear).

Turn color-killer control clockwise until color appears.

If possible, change channels to a weak incoming color signal to recheck control setting and repeat step 2 if necessary.

(Alternate Method)

Tune in a color program. Turn color-killer control fully counterclockwise. Connect DC voltmeter (0-10V Range) from Test Point Δ to ground. Adjust Fine Tuning to a point to obtain -3 volts. (detune towards smear).

Leaving the Fine Tuning at this setting, remove voltmeter and connect across clamp diode (X15) from test points Δ to 24V source.

Adjust color-killer control for a -2 volt reading on DC Voltmeter.

VHF TUNER CHANNEL INDEXING (PROGRAMMING)

Turn to channel desired, to index or skip this channel.

Remove plug from access hole on control panel.

Using small blade screwdriver, push aside lever (to the right) to gain access to disc channel buttons.

To "SKIP" channel, turn disc button clockwise 1/2-turn only. (Repeat for each unused VHF channel).

Turn button another 1/4 turn clockwise to index tuner to stop on that particular channel.

UHF TUNER INDEXING (PROGRAMMING)

With Automatic Fine Tuning in "Off" position, press "Higher" or "Lower" selector to reach UHF Channels to stop on "A".

Starting with lowest channel in UHF Range, tune (press in UHF Fine Tune Knob) for best picture on wanted channel.

To index additional UHF channels, repeat above steps (6 channels may be indexed, indicated by A, B, C, D, E, F). See "Tab Replacement".

To skip UHF channels, push in UHF Fine Tune Knob and turn counterclockwise until UHF channel dial goes against the stop at channel 14. Repeat for each unwanted channel to skip.

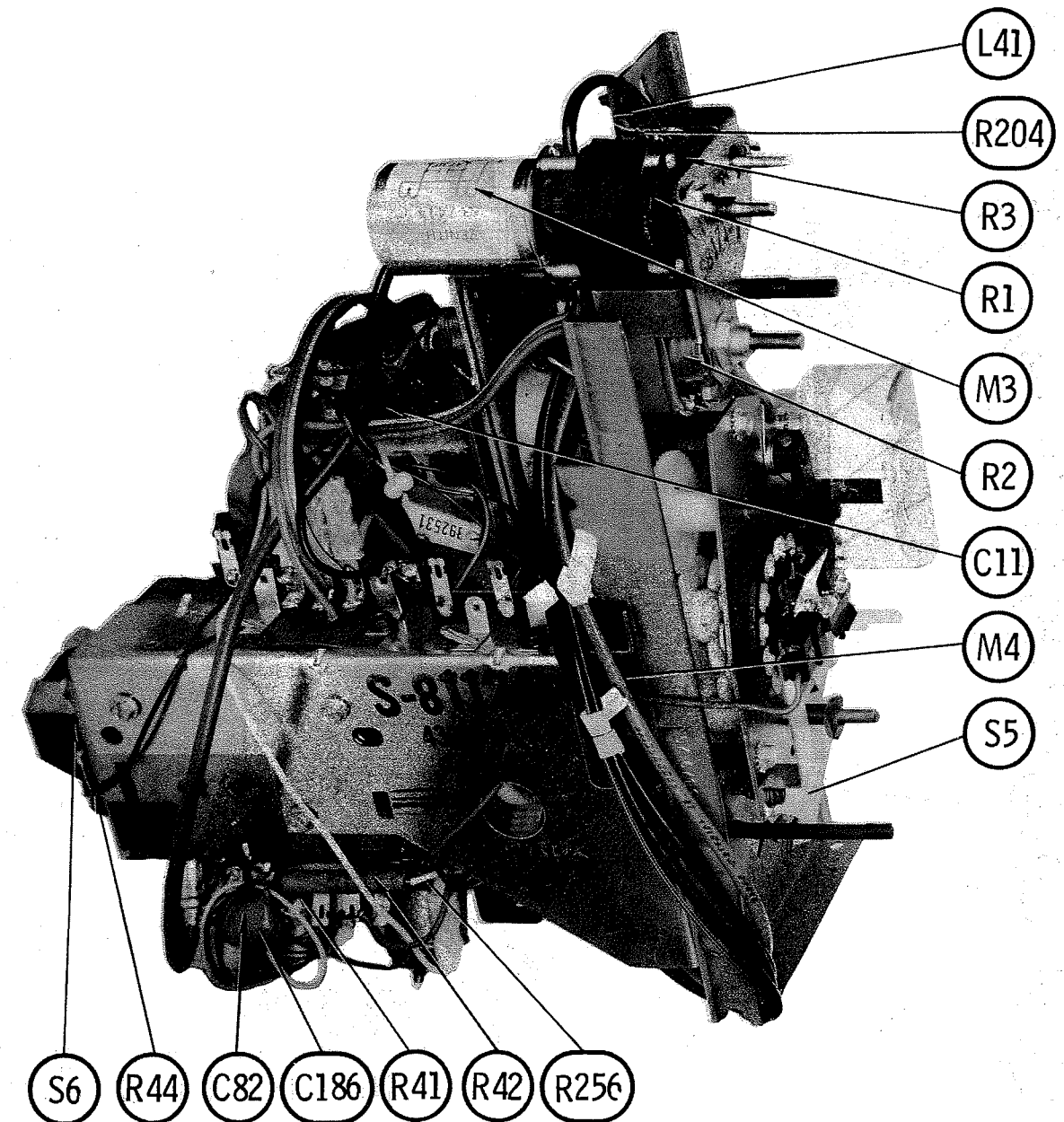
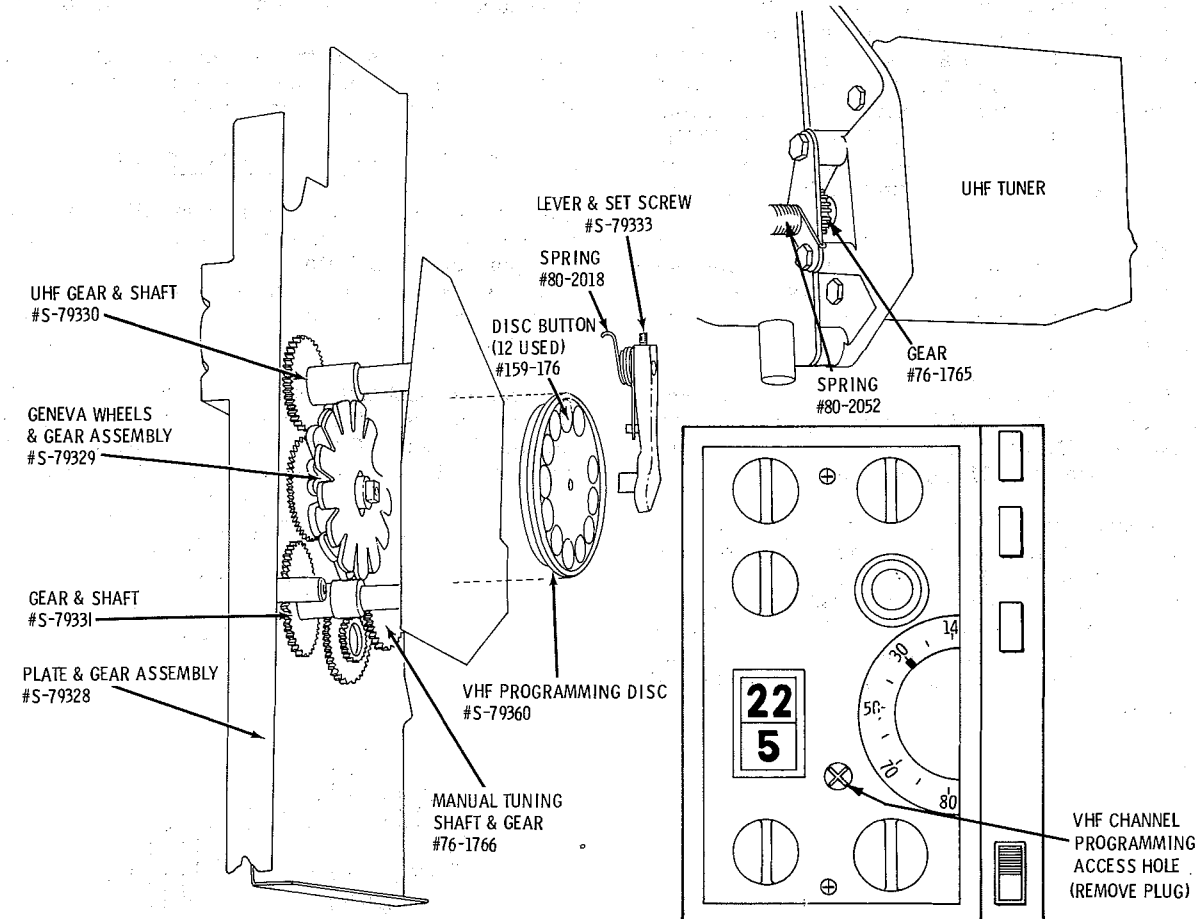
UHF TAB REPLACEMENT

Remove 6 control knobs, 2 Phillips screws, and front control panel.

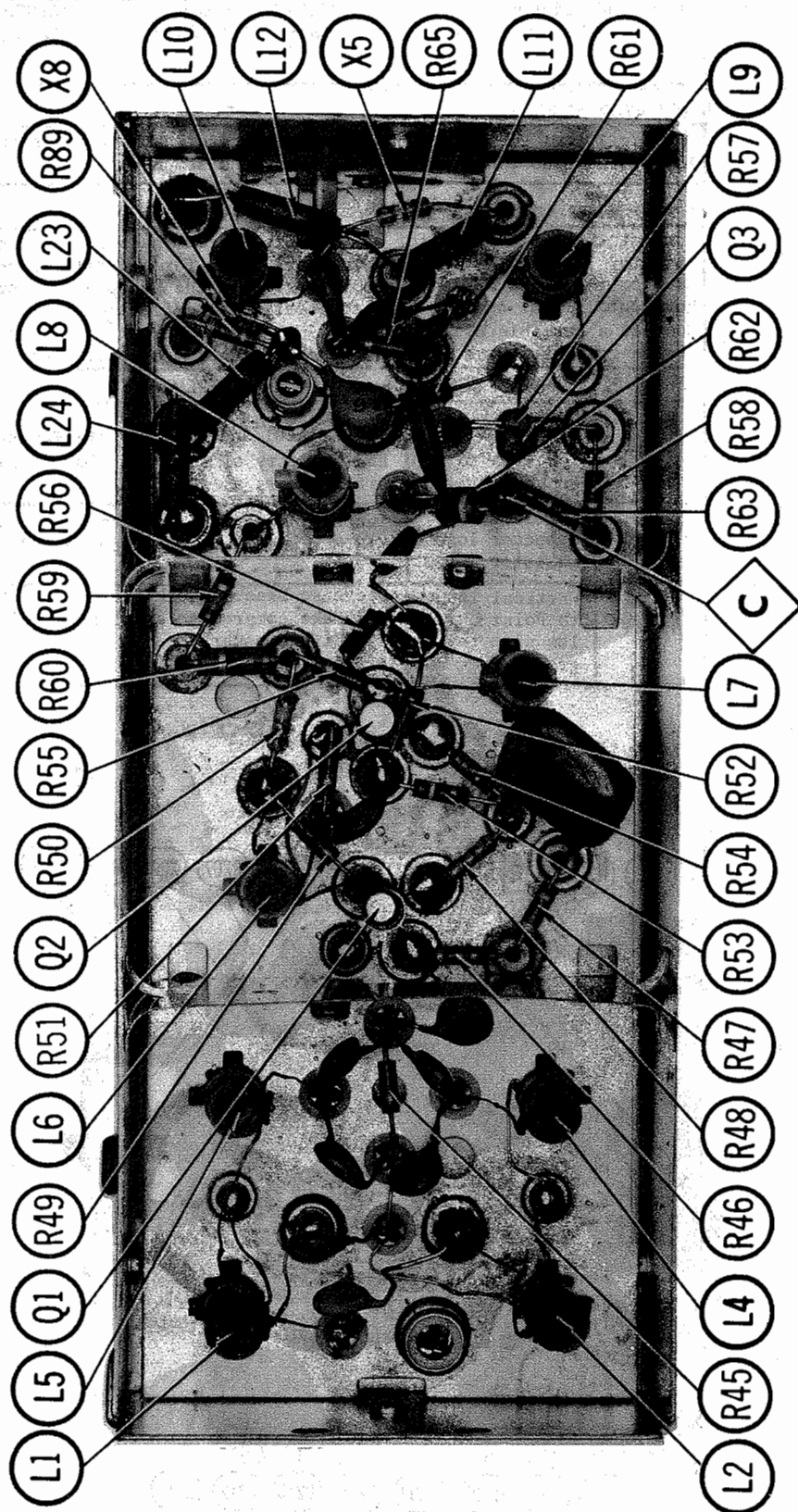
Remove lettered disc (A, B, C, D, E, F).

Use indexed channel number (desired channel) from sheet supplied with set, and insert in place of A, B, C etc.

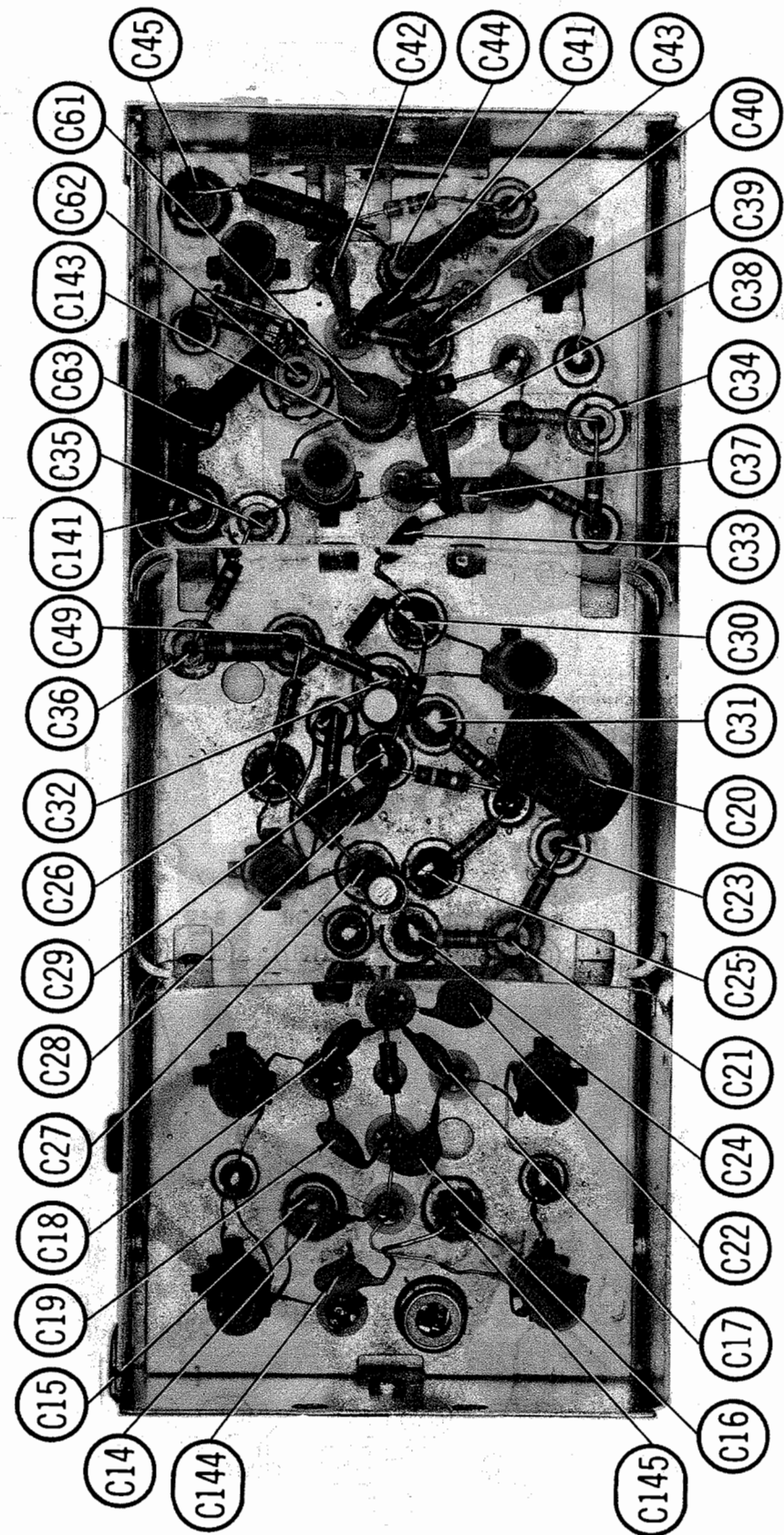
Replace disc, front panel, screws, and knobs.

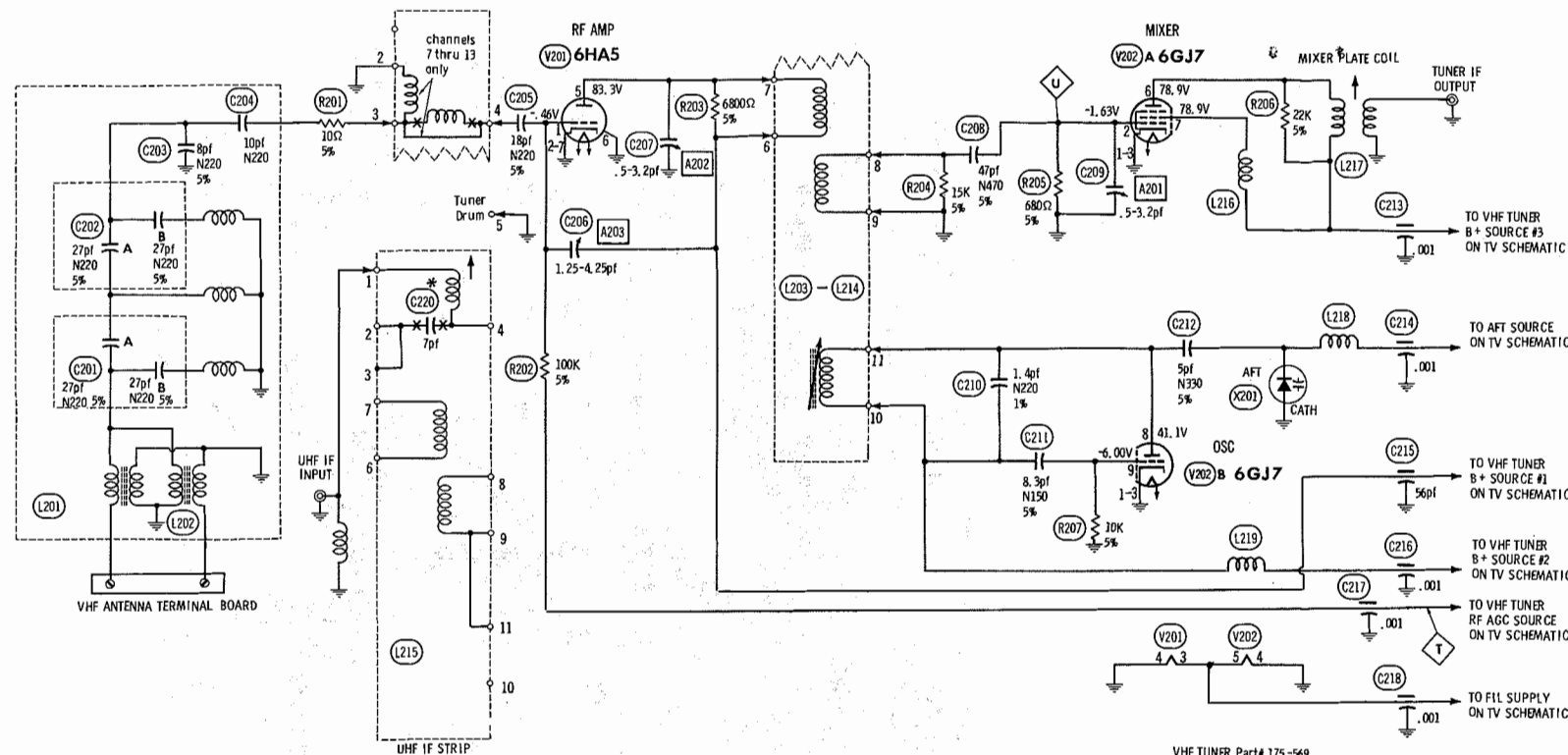


TUNER ASSEMBLY

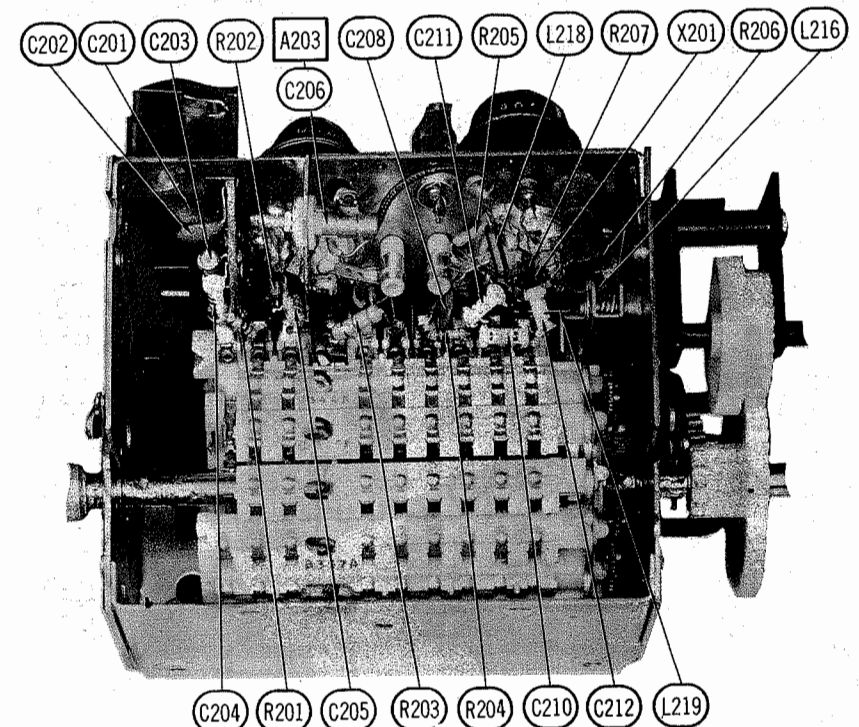
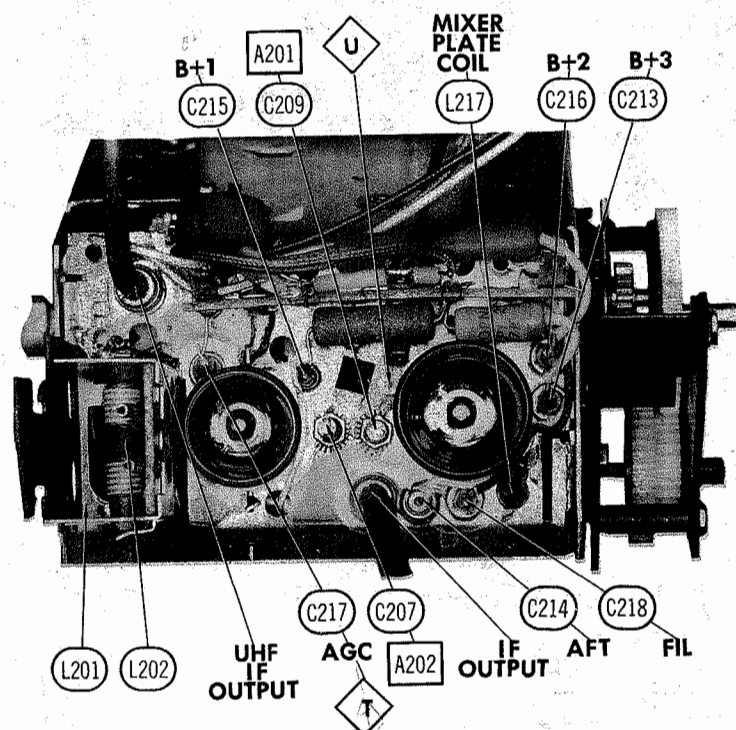


VIDEO IF CHASSIS





A PHOTOFAC STANDARD NOTATION SCHEMATIC
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VHF TUNER 175-569/592/594/596

VHF TUNER ALIGNMENT INSTRUCTIONS

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

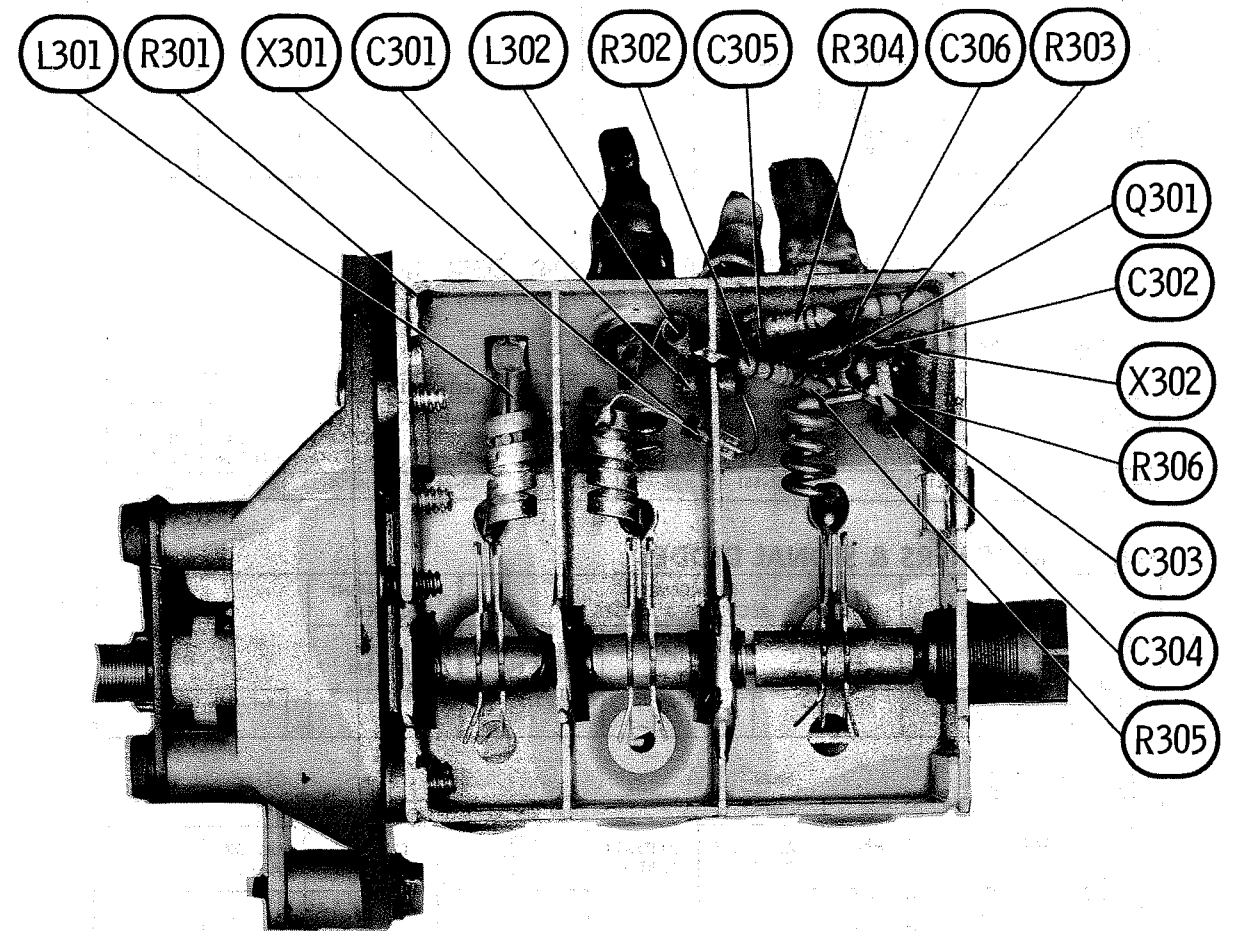
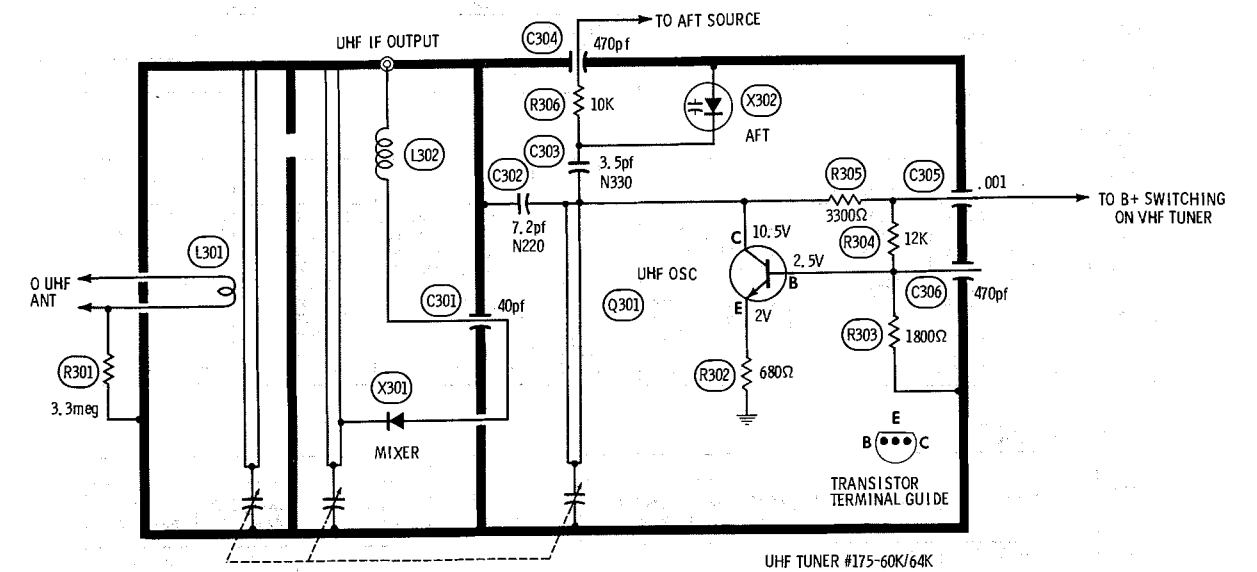
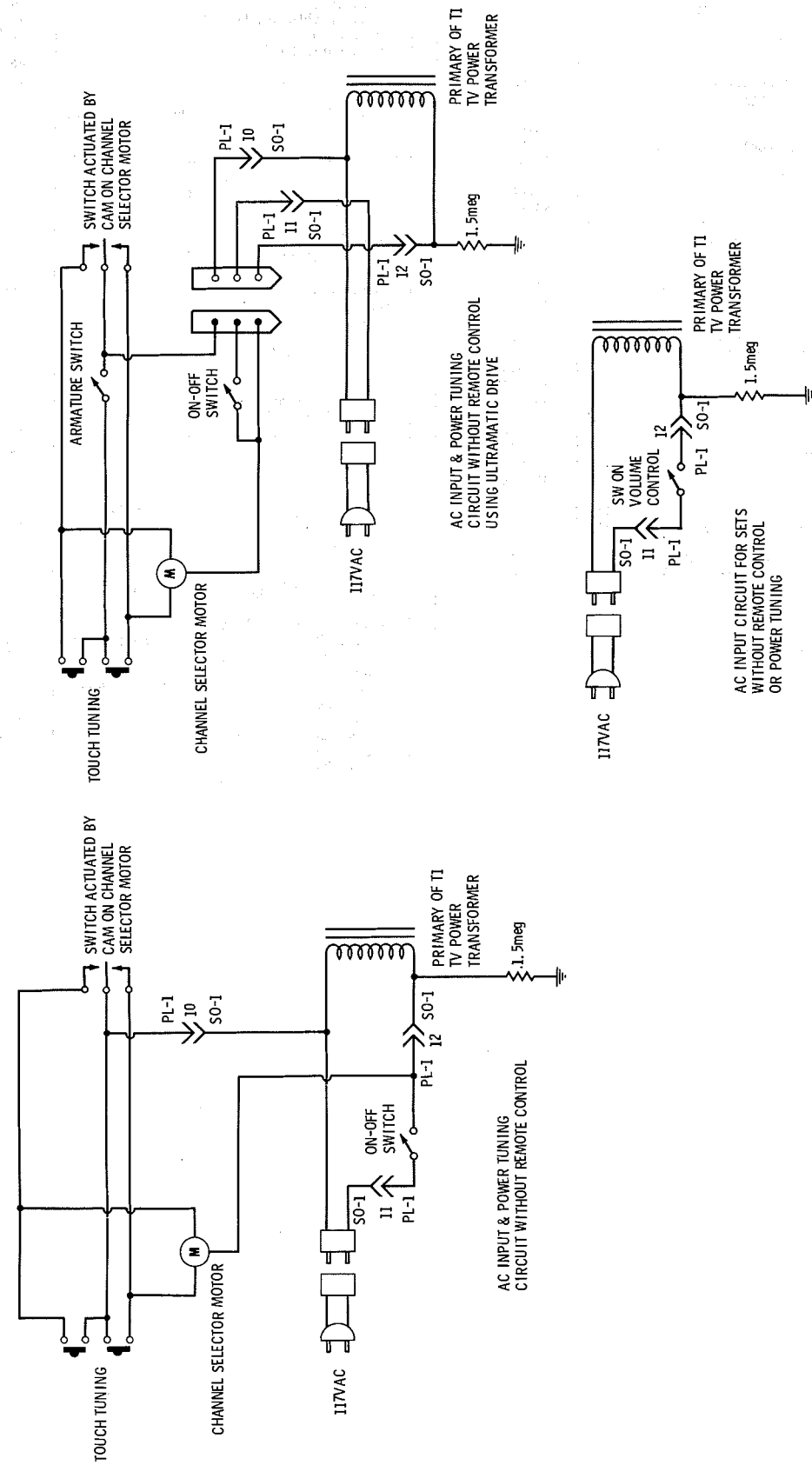
OSCILLATOR ADJUSTMENTS

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. Connect a variable bias to the RF AGC line at Point T. Adjust bias to obtain response curve which shows no indication of overloading.

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 for MINIMUM amplitude or response (A203).
12 thru 2	Vertical input to Point U, low side to ground.	Decrease bias. Check response on all channels and make compromise adjustments of A201 and A202 if necessary.



UHF TUNER 175-60K/64K

VHF TUNER PARTS LIST AND DESCRIPTION

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

TUBES VHF TUNER 175-569, 592, 594, 596.

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE		TYPE			ITEM No.	USE		TYPE		
V201	RF Amp.		6HA5			V202	Mixer - Oscillator		6GJ7		

COILS (RF-IF)

ITEM No.	USE	MFGR. PART No.	NOTES	ITEM No.	USE	MFGR. PART No.	NOTES
L201	Ant. Filter Ass'y	S-77781	Part of L201 Channel 2 Strip	L211	Ant., RF, Mixer, Osc.	174-360	Channel 10 Strip
L202	Balun	S-49189		L212	Ant., RF, Mixer, Osc.	174-361	Channel 11 Strip
L203	Ant., RF, Mixer, Osc.	174-342		L213	Ant., RF, Mixer, Osc.	174-362	Channel 12 Strip
L204	Ant., RF, Mixer, Osc.	174-343		L214	Ant., RF, Mixer, Osc.	174-363	Channel 13 Strip
L205	Ant., RF, Mixer, Osc.	174-344		L215	IF UHF	174-350	Channel 1 Strip
L206	Ant., RF, Mixer, Osc.	174-345		L216	RF Choke	20-1030	
L207	Ant., RF, Mixer, Osc.	174-346		L217	Mixer Plate	S-77030	
L208	Ant., RF, Mixer, Osc.	174-357		L218	RF Choke	S-49738	
L209	Ant., RF, Mixer, Osc.	174-358		L219	RF Choke	S-49738	
L210	Ant., RF, Mixer, Osc.	174-359		L220	UHF IF Input	20-1056	Crystal DC Return

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 N220 5%	#22-3553				*	*	10TCR-Q27
C202A	27 N220 5%	#22-3553				*	*	10TCR-Q27
C203	8 N220 +.5					*	*	10TCR-Q27
C204	10 N220 +.25					*	*	10TCR-V82
C205	18 N220 5%					*	*	10TCR-Q10
C206	1.25-4.25	#22-5348				*	*	10TCR-Q18
C207	.5-3.2	#22-4510						
C208	47 N470 5%							
C209	.5-3.2	#22-4510				*	*	10TCT-Q47
C210	1.4 N220 +.1	#22-5668				*	*	
C211	8.3 N150 +.25					*	*	
C212	5 N330 +.25					*	*	10TCP-V82
C213	.001	#22-4613						10TCS-V50
C214	.001	#22-4718						
C215	56 +7.5%	#22-3488						
C216	.001	#22-4613						
C217	.001	#22-4613						
C218	.001	#22-4613						

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

UHF TUNER PARTS LIST AND DESCRIPTION

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

TRANSISTORS

UHF TUNER 175-60K/64K

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No. SYLVANIA PART No.
Q301		UHF Oscillator	121-551		GE-11	TR-24	HEP56	SK3019 ECG 109

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS	NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.		
X301	103-61	1N82A	1N82AG	ECG 112		(1) Variable Capacitor Diode
X302	103-104 (1)					

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	40	#22-5060				*	*	
C302	7.2 N220 5%	#22-5366						
C303	3.5 N470 +.25	#22-5367						
C304	470	#22-5062				*	*	
C305	.001	#22-4651						
C306	470	#22-5062						

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

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

ITEM	PART No.	ITEM	PART No.
Models: Z4518W9/W09, Z4519P9/P09/W9/W09, Z4520M9/M09, Z4524H9/H09, Z4526M9/DE09, Z4528H9/H09, Z4532DE9/P9/P09, Z4535M9/M09, Z8530W9/W09, Z8558H9/H09, Z8568DE9/DE09		Knobs, Volume	46-6654
		Knobs, On/Off	46-6444
		Knobs, Brightness, Contrast, Tone, Vert Hold	46-6023
		Knobs, Color	46-6677
		Knobs, Horiz Hold	46-6024
		Knobs, Hue	46-6678
		Knobs, Peak Pix	46-6025
		Models: Z4541W9/W09, Z4543DE9/DE09/P9/P09, Z4545H9/H09, Z4547M9/M09	
		Knobs, VHF Channel Selector (High), (Low)	46-6444
		Knobs, VHF Fine Tuning	46-6654
Knobs, VHF Channel Selector Knobs, VHF Fine Tuning/UHF Channel Selector Knobs, On/Off, Volume Knobs, AFC Knobs, Brightness, Contrast, Tone, Vert Hold Knobs, Color Knobs, Horiz. Hold Knobs, Hue Knobs, Peak Pix Models: 6A50-59W9, Z6507W9/W09, Z6519P09/W9/W09, Z6520M9/M09, Z6524H9/H09, Z8560H9/H09, Z8565M9/M09, Z8570DE9/DE09	46-6352	Knobs, VHF Channel Selector (High)	46-5973
	46-6695	Knobs, VHF Channel Selector (Low)	46-5972
	46-6821	Knobs, VHF Fine Tuning	S-58105
	46-5326	Knobs, VHF Channel Selector	S-53116
	46-6023	Knobs, UHF Channel Selector	46-6035
	46-6821	Knobs, Volume	46-6586
	46-6024	Knobs, On/Off	46-5974
	46-6820	Knobs, AFC	46-5326
	46-6025	Knobs, Brightness, Contrast, Tone, Vert Hold	46-6023
		Knobs, Color	46-6821
Models: Z6541W9/W09, Z6543DE9/DE09/P9/P09, Z6545H9/H09/X9/X09, Z6547M9/M09, Z6549H9/H09		Knobs, Horiz. Hold	46-6024
		Knobs, Hue	46-6037
		Knobs, Peak Pix	46-6025
		Models: Z6541W9/W09, Z6543DE9/DE09/P9/P09, Z6545H9/H09/X9/X09, Z6547M9/M09, Z6549H9/H09	
		Knobs, VHF Channel Selector (High)	46-6444
		Knobs, VHF Channel Selector (Low)	46-6444
		Knobs, VHF Fine Tuning	46-6654
		Knobs, UHF/VHF Channel Selector	46-6653
		Knobs, UHF Fine Tuning	46-6652
Models: Z4533W09, Z4538DE09/P09		Knobs, VHF Channel Selector	46-7540
		Knobs, VHF Fine Tuning/UHF Channel Selector	46-6695
		Knobs, On/Off, Volume	46-6821
		Knobs, AFC	46-5326
		Knobs, Brightness, Contract, Tone, Vert Hold	46-6023
		Knobs, Color	46-6821
		Knobs, Horizontal Hold	46-6024
		Knobs, Hue	46-6820
		Knobs, Peak Pix	46-6025

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.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	6" X 9" PM 6-8 ohms	49-1060	69A3Z8	Models - Z4541W09, W9; Z4543DE09, DE9; Z4543P09, P9; Z4545H09, H9; Z4547M09, M9; Z6541W09, W9; Z6543DE09, DE9; Z6543P09, P9; Z654H09, H9; Z6545X09, X9; Z6547M09, M9; Z6549H09, H9.
SP2	4" X 6" PM 16 ohms	49-1155	46A1Z16	Models - Z6549H09, H9.
	6" X 9" PM 3.2 ohms	49-1059	69A1	Models - Z4535M09, M9; Z4533W09; Z4538DE09; Z4538P09; Z6549H09, H9.
	3" X 5" PM 3.2 ohms	49-1092	35A05	Model - GA50-59W9
		49-1132		Model - GA50-59W9
		49-1033		Model - Z4533W09
		49-1133		Models - Z4538DE09; Z4538P09; Z4535M09, M9.
		49-1131		Models - Z4518W09, W9; Z4519P09, P9; Z4519W09, W9; Z4520M09, M9; Z4524H09, H9; Z4526M09, M9; Z4528H09, H9; Z4532DE09, DE9; Z4532P09, P9; Z4535M09, M9; Z6519P09; Z6507W; Z6507W9; Z6208W09, W9; Z6507W09; Z6519W09, W9; Z6520M09, M9; Z6524H09, H9.
	3 1/2" PM 45 ohms	49-1121		Models - Z8530W9; Z8530W09
		49-1094		Models - Z8530W09; Z8548H09; Z8550H09; Z8558H09; Z8560H09; Z8563M09; Z8565M09; Z8568DE09; Z8570DE09; Z8548H09; Z8550H09; Z8558H09; Z8560H09; Z8563M09; Z8565M09; Z8568DE09; Z8570DE09.
	2" X 6" PM 6.4 ohms	49-1042		Models - Z8548H09; Z8550H09; Z8558H09; Z8560H09; Z8563M09; Z8565M09; Z8568DE09; Z8570DE09; Z8548H09; Z8550H09; Z8558H09; Z8560H09; Z8563M09; Z8565M09; Z8568DE09; Z8570DE09.
		49-1082		Models - Z8548H09; Z8550H09; Z8558H09; Z8560H09; Z8563M09; Z8565M09; Z8568DE09; Z8570DE09.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M3	VHF Antenna	1-208	JFD REPLACEMENT TA511, 2 Used, Models Z6208W9, W09
M4	VHF Tuner	175-596	(Includes R1)
	VHF Tuner	175-594	
M5	VHF Tuner	175-592	(Includes R1) Used in Models Z6208W09, W9
	VHF Tuner	175-569	
M6	UHF Tuner	175-60K	Used in Model Z6519P09
	UHF Tuner	175-64K	
M7	Hue Motor	63-7414	3.58MC
	Hue Motor	63-7415	
M8	Channel Selector Motor	141-189	Service - Normal
	Channel Selector Motor	141-178	
M9	Crystal	103-89	AFT - Defeat
M10	Spark Gap	52-957	AFT - Defeat Used in Models Z4533W09, Z4538DE09, Z4538P09
M11	Spark Gap	52-957	AFT - Defeat Used in Model Z6519P09
PC1	Delay Line	S-81708	Touch Tuning
S1	Degaussing Coil	95-2553	Touch Tuning Used in Model Z6519P09
S2	Vert. Integrator	87-4	On-Off
S3	Switch	85-994	On-Off Used in Models GA50-59W9, Z6507W09, Z6519W09, W9, Z6520M09, M9, Z6524H09, H9, Z8550H09, Z8560H09, Z8565M09, Z8570DE09, Z6507W9, Z8550H9, Z8560H9, Z8565M9, Z8570DE9, Z6519P09
	Switch	85-1033	
S4	Switch	85-999	Armature
	Switch	85-962	
S5	Switch	S-77355	UHF B+ Switching
	Switch	85-902	
S6	Switch	85-718	UHF B+ Switching Tuner VHF 175-592
	Magnet	S-76297 or S-79294	

PARTS LIST AND DESCRIPTION

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

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TUBES

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE						
V1	Video Cathode Follower-1st Chroma Bandpass Amp.	6KT8	V8	Horiz. AFC - Horiz.Oscillator	6U10						
V2	Video Output	12HL7	V9	Horiz. Discharge	6L86						
V3	Sound-Sync Amp.-Sound IF Amp.	6KT8	V10	Horiz. Output	6CJ3						
V4	Audio Detector-Audio Output	6Z10	V11	Damper	30C3 (3B03)*						
V5	AGC Keying-Noise Canceller-Sync Separator-Vert.Mult.	6BA11	V12	HV Rectifier	6HV5						
V6	Vert. Mult.-Vert. Output	6HE5 (6JB5)	V13	HV Regulator	6MVB						
			V15	G-Y Amp.- B-Y Amp.- R-Y Amp.	6EJ7 (EF184) *						
			V16	Burst Amp.	6GHB						
				3.58MC Osc.Control-3.58MC Osc.							

* Alternate

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	MFGR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V17	25GP22A or 25AP22A	25AP22A (1)	H25XP22(2) C25XP22/25AP22A (3) H25XP22 (2) C25AP22 (3) C25XP22/25AP22A (3) H25XP22 (2) C25XP22/25AP22A (3) H25JP22 (1) H22JP22 (1) C22JP22 (3)	RE25AP22A (4) RE25AP22A (4) RE25AP22A (4) RE22JP22 (2)	(1) Aluminized (2) Hi-Lite (3) Colorama (4) Color Bright "85" * Used in Models Z6507W9, Z6507W09

INTEGRATED CIRCUITS

ITEM No.	FUNCTION	MFGR. PART No.	REMARKS
IC1	Color Demodulator	221-39 (221-37)*	* Alternate

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA				
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	SYLVANIA PART No.
Q1		1st Video IF	121-500 (121-501)*				
Q2		2nd Video IF	121-502 (121-470)*				
Q3		3rd Video IF	121-520 (121-521)*				
Q4		AFT Amp	121-546 (121-547)*	GE-20	TR-21	HEP738	SK3018
Q5		Video Amp	121-587	GE-17	TR-25	HEP728	ECG 108
Q6		IF AGC Amp	121-499	GE-10	TR-21	HEP738	ECG 128
Q7		Blanking Amp	121-699	GE-17	TR-25	HEP728	ECG 123
Q8		2nd Chroma Bandpass	121-748 (121-587)*	GE-17	TR-25	HEP728	ECG 128
Q10		Pincushion Amp	121-722			HEP736	

* Alternate

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS	NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.		
X1	212-76	GE-504A	806 or 18DB8A(2)	ECG 116 or ECG 117	SK3017A or SK3032	(2) A single unit replacement for all four bridge circuit rectifiers.
X2	212-76	GE-504A	806 or 18DB8A(2)	ECG 116 or ECG 117	SK3017A or SK3032	
X3	212-76	GE-504A	806 or 18DB8A(2)	ECG 116 or ECG 117	SK3017A or SK3032	(1) Matched pair.
X4	212-76	GE-504A	806 or 18DB8A(2)	ECG 116 or ECG 117	SK3017A or SK3032	
X5	103-23	1N60	1N60	ECG 109		(5) 4 Required
X6	103-90 (1)		1N542 (1)	ECG 110 (1)		
X7	103-90 (1)		1N60	ECG 109		
X8	103-23	1N60	804	ECG 116		
X9	103-51	GE-504A	804	ECG 116		
X10	103-142	GE-504A	61-8969	ECG 118		
X11	212-85	GE-504A	61-8968	ECG 119		
X12	212-68	GE-504A	1N542 (1)	ECG 110 (1)		
X13	103-131 (1)		804	ECG 116		
X14	103-131 (1)		1N542 (1)	ECG 110 (1)		
X15	103-142	GE-504A	1N34A	ECG 109		
X16	103-131 (1)		804 (5)	ECG 116 (5)		
X17	103-131 (1)		804 or 5A4-D	ECG 116 or ECG 117	SK3030 or SK3031	
X18	103-114	1N34AS	804	ECG 116		
X19	212-72	GE-504A (5)	804	ECG 116		
X20	212-71	GE-504A	804	ECG 116		
X21	103-142	GE-504A	804	ECG 116		
X22	103-142	GE-504A	804	ECG 116		
X23	103-101	6GC1	DD04	ECG 113		
X25	103-142	GE-504A	804	ECG 116		

ELECTROLYTIC CAPACITORS

(1) Alternate - used in some versions.

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.	
C14	4.25 N75	+ .25	22-5389						
C15	6		22-5525						
C16	4.25 N75	+ .25	22-5389						
C17	4.25 N75	+ .25	22-5389						
C18	5 NPO	5%		NPO-DI 5.0		NP05			10TCC-V50
C19	5 NPO	5%		NPO-DI 5.0		NP05			10TCC-V50
C20	.15			DBE6P15		OPMS6P15	60P-5-154	PVC6015	6PS-P15
C21	.001		22-4718						
C22	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C23	.001		22-4718						
C24	.47		22-4738						
C25	.002		22-4729						
C26	.001		22-4718						
C27	15		22-4735						
C28	26 N075	5%						*	
C29	47		22-4738						
C30	75		22-5526						
C31	.002		22-4729						
C32	20		22-4737						
C33	.001			GPD X5F102K	DD-102	GP1D00	CCD-102	GP210	10TS-010
C34	.002		22-4729						
C35	.001		22-4718						
C36	.001		22-4718						
C37	1			NPO-DI 1.0	TCZ-1			CND510	10TCC-V10
C38	50 NPO	5%		NPO-DI 50	OTZ-50	NP050	CCT0-510	CND450	10TCC-Q50
C39	100		22-4740						
C40	4.25 N75	+ .25	22-5389						
C41	5.5 NPO	5%							
C42	16 NPO	5%		NPO-DI 15	OTZ-15	NP015	CCT0-150	CND415	10TCC-V56
C43	6		22-5525						10TCC-Q15
C44	4		22-4732						
C45	2		22-4731						
C46	50 NPO	5%		NPO-DI 50	DTZ-50	NP050	CCT0-510	CND450	10TCC-Q50
C47	15 NPO	5%		NPO-DI 15	DTZ-15	NP015	CCT0-150	CND415	10TCC-Q15
C48	680			GPD X5F681K	DD-681	JBY601YP681K	CCD-681	GP368	10TS-T68
C49	.001		22-4718						
C50	180	10%		GPD X5F181K	DD-181	JBZ601YP181K	CCD-181	GP318	10TS-T18
C51	.1 200V			DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C52	.001		#22-4728						
C53	8.2 NPO	+ .5		NPO-DI B.2					10TCC-V82
C54	220								
C55	.002		#22-4729						
C56	.001		#22-4728						
C57	.001		#22-4728						
C58	10	+ .5		GPD COH100K	DD-100	CZ601CG100K	CCD-100	GP410	10TS-Q10
C59	10	+ .5		GPD COH100K	DD-100	CZ601CG100K	CCD-100	GP410	10TS-Q10
C60	.001		#22-4728						
C61	3.6 N75	+ .25	#22-5784						
C62	1-9		#22-5476						
C63	4		#22-4732						
C64	.0012 1KV	10%		GPD X5F122K	DD-122	GP1200	CCD-122	GP212	10TS-D12
C65	.01			GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C66	47 N075	5%						*	
C67	4.3 NPD	+ .25	#22-3703						
C68	50 N750			N750-DI 47	TCN-50	CY601UJ470K	CCTN-470	CN7447	10TCU-Q47
C69	180			ADM-15-181	CPR-180J	CD15F181J500	DM-15-181K	SX318	#24ME1800J50
C70	.001 1KV	10%		GPD X5F102K	DD-102	JB5601YP102K	CCD-102	GP210	10TS-D10
C71	100	5%			DD-102			CN0310	10TCC-T10
C72	2.4	5%	#22-2596		DD-102				
C73	.01			GPD X5S103K	DD-103	8YX601ZU103P	CCD-103	JF110	10TS-S10
C74	20 N330	10%			TCA-22		*	*	10TCS-Q22
C75	470 N1500	10%					*	*	10TCW-T47
C76	220 1KV	10%							
C77	150 N750			GPD X5F221K	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C78	.01			N750-DI 150	DTN-150		CCTN-151	CN7315	10TCU-T15
C79	.0047			GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C80	.01			GPD X5R472K	DD-472K	JB87601YP472K	CCD-472	JF247	10TS-D47
C81	.0022 1KV			GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C82	.15 100V			GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C83	220 1KV	10%		V1612P15		DMFTP15	1DP-3-154	PVC1015	2PS-P15
C84	.01			GPD X5F221K	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C85	.01			GPD X5S103K	DD-103	8YX601ZU103P	CCD-103	JF110	10TS-S10
				GPD X5S103K	DD-103	8YX601ZU103P	CCD-103	JF110	10TS-S10

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

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COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA						
		MFGR. PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L51	Horiz Oscillator(Hold)	S-56877		H-161		HS-24		
L52	Horiz Efficiency	S-77975	MWC-6	6322	WC-8A	WC-28 (1)	WLC-5	T107
L53	Pincushion	S-79692						
L54	Right R/G Vert. Lines	S-73854	MWC-6	6322	WC-8A	WC-28 (1)	WLC-5	T107
L55	Right R/G Horiz Lines	S-58041		H-162	W	WC-51		
L56	Right Blue Horiz Lines	S-73854	MWC-6	6322	WC-8A	WC-28 (1)	WLC-5	T107
L57	Convergence Yoke	S-79029						
A	Blue Coil	S-79393						
B	Green Coil	S-79392						
C	Red Coil	S-79394						
	Or							
A	Blue Coil	S-76725						
B	Green Coil	S-76726						
C	Red Coil	S-76724						
	Or							
A	Blue Coil	S-77596						
B	Green Coil	S-77595						
C	Red Coil	S-77597						

(1) Disregard Tap.

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ 3A AC	315VAC @ .425A DC	6.3VAC @1.6A AC	95-2673 95-2550(1)					(1) Alternate, used in some versions.
	SEC. 3		SEC. 5	95-2701(1)					
	34VAC @ .08AOC Tap @ 6.3VAC @ 4.9AAC	Tap @ 6.3VAC @ 5.3AAC							

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MFGR.	MERIT	STANCOR	THORDARSON	TRIAD	
			PART No.	PART No.	PART No.	PART No.	PART No.	
T2	7100	3.2	95-2561	A-2931 (1)	A-8114 (1)	2654B (1)	S-7X (1)	(1) Fabricate mounting.

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T3	Yoke (Horiz 13.5mh) 90° (Vert 20mh)	95-2532	MDF-145C (1) (2)	DY-98AC	Y108 (1)	YC-310-2(1)	(1) Use original. Yoke. Plug and leads.
T4	Vertical Output	95-2551 (-E)		VO-714C	26S60		(2) Install original 220 Resistors in series between Yoke Terminal #6 and Yoke Terminal #4. Connect original violet lead to junction of 220 Resistors.
T5	Horiz. Output Horiz Output Alt.	S-82941 S-79154					

SWEEP COMPONENT CONNECTION DATA

ORIGINAL →	YOKE											YOKE PLUG												
REPLACEMENT ↓	Original Connections											1	2	3	4	5	6	7	8					
	Red	Blue	Yel	Yel/ Blk	Vio	Wh	Wh/ Red	Org.				TO YOKE TERMINALS												
MERIT	10	7	6	11	(1)	4	5	9	(3)			10	9	7	6	(2)	11	5	4					
STANCOR	EXACT REPLACEMENT											EXACT REPLACEMENT												
THORDARSON	Red	Blue	Yel	Yel/ Blk	Purp	Whi	Red/ Whi	Org.	(3)			1	3	5	11	7	12	9	10					
TRIAD	1	3	4	6	8	9	11	12	(3)			1	12	3	4	5	9	11	6					

- (1) Install original 220 ohm resistors in series between yoke terminal #6 and yoke terminal #4.
- (2) Connect original violet lead to junction of 220 ohm resistors.
- (3) Use original yoke plug and leads.

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.

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RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFR. PART No.			WORKMAN PART No.	MFR. PART No.
R41	12K 3W	3G-12K	63-4842	R166	47K 3W		63-7312
R42	22K 4W	4G-22K	63-6929	R178	VDR*		
R76	4700 7W	7G-4.7K	63-4686	R190	22K 3W	3G-22K	63-5025
R100	3500 10W	10G-3.3K	63-6995	R241	Thermistor (140 Cold)		63-7346
R105	22K 3W	3G-22K	63-5025	R242	1500 15W		63-7631
R159	Thermistor (150K Cold)		63-6824	R243	220 4W		63-8098
R165	17K 5W		63-7407				

* Voltage Dependent Resistor.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1A	IF Input Coil	20-1627			
B	39.75MC Trap				
L2	1st Video IF	20-1521			
L4	41.25MC Trap	20-1516			
L5	47.25MC Trap	20-1516			
L6	2nd Video IF	20-1597			
L7	3rd Video IF	20-1458			
L8	4th Video IF	20-1534			
L9	41.25MC Trap	20-1474			
L10	Video Output IF	20-1458			
L11	RF Choke (27uh)	20-2707	19-6033	72F275AP	T360
L12	RF Choke (27uh)	20-2707	19-6033	72F275AP	T360
L13	4.5MC Trap	S-81431			
L14	Peaking (88uh)	20-2011	19-3093	72F825AP	
L15	Peaking (320uh)	20-2520 (1)	19-3375 (2)	6134 (2)	T321 (2)
L17	Peaking (402uh)	20-2001	19-3180	72F184AP	T368
L18	Peaking (42.5uh)	20-2008 (20-2517) *	19-2027	72F224AP	T312
L20	AFT Input IF	20-3219		4202 (11)	
L21	AFT Discriminator	S-80861			
L22	RF Choke (10uh)	20-2534	19-2016	72F105AP	T823
L23	RF Choke (27uh)	20-2707	19-6033	72F275AP	T360
L24	RF Choke (27uh)	20-2707	19-6033	72F275AP	T360
L25	Sound Take-off	S-77414			
L26	Sound Interstage IF	S-76920		6270	
L27	Quadrature	S-80411 (S-80480) *	20-1005	1480	T6268
L28	RF Choke (10uh)	20-2005	19-1005	72F105AP	T860
L29	RF Choke (10uh)	20-2005	19-1005	72F105AP	T860
L31	Peaking (71uh)	20-2011		6172	T303
L32	1st Chroma Bandpass	S-77408			
L33	RF Choke (20uh)	20-2041	19-6022	6152	T300
L34	2nd Chroma Bandpass	S-80322			
L35	Burst	S-80590			
L36	Peaking (86uh)	20-2002	19-6821	72F825AP	
L37	3.58MC Adjust	S-66627 (S-81358)		4207	
L38	3.58MC Output	S-77411			
L39	RF Choke (27uh)	20-2007	19-6033	72F275AP	T316
L40	RF Choke (3uh)	20-2056		74F336AP	T816
L41	RF Choke (1.8uh)	20-2052		74F186AP	T811
L42	Peaking (11.3uh)	20-2053		72F125AP	
L45	Peaking (155uh)	20-2536 (3)		6120 (4)	T308 (4)
L46	Peaking (155uh)	20-2536 (3)		6120 (4)	T308 (4)
L47	Peaking (155uh)	20-2536 (3)		6120 (4)	T308 (4)

(1) Includes 6800 ohms resistor.

(2) Shunt with 6800 ohms resistor.

(3) Includes 2700 ohms resistor.

* Alternate.

(4) Shunt with 2700 ohms resistor.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L60	3.1A DC	1.5	.035H	95-2553					
L61	.5A DC	15	.6H	95-2552					

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	Fuse, Be1-fuse, 1 Amp.	136-71	62-61				
F2	Wire, 2 1/2" length #24	91-2061					
F3	Wire, 2 1/2" length #24	91-2061					
F4	Wire, 2 1/2" length #24	91-2061					
F6	Fuse, Be1-fuse, .35 Amp.	136-75	62-64				

PARTS LIST AND DESCRIPTION (CONTINUED)

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CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C86	20 NPO 10%		NPO-DI 20	DTZ-20		CCTO-200	CNO420	10TCC-Q20
C87	.1 400V		DBE4P1		DMF4P1	4DP-3-104	PVC401	4PS-P10
C88	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C89A	.0022		GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
B	.0022		GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C90	.0068 600V 10%		DBE6D68		DMF6D68	6DP-1-682	PVC6268	6PS-D68
C91A	.51		GPD X5F500K	DD-510	JBZ601YP500K	CCTO-510	GP450	10TS-Q50
B	.51		GPD X5F500K	DD-510	JBZ601YP500K	CCTO-510	GP450	10TS-Q50
C92	.1 1KV		BE-10P1					10TM-P10
C93	.0022		GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C94	.033 200V 10%		V1612533		DMF2533	4DP-2-333	PVC2133	4PS-S33
C95	.1 600V 10%		DBE6P1		DMF6P1	6DP-4-104	PVC601	6PS-P10
C96	.01 600V 10%		DBE6S1		DMF6S1	6DP-2-103	PVC611	6PS-S10
C97	.47 200V		DBE2P47		DMF2P47	2DP-5-474	PVC2047	2PS-P47
C98	.820 1KV 10%		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C99	.1 200V 10%		DBE2P1		DPMS2P1	2DP-3-104	PVC201	2PS-P10
C100	.820 1KV 10%		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C101	100 N1500/4KV/10%							
C102	.0022 10%		GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C103	.0022 10%		GPD X5F222K	DD-222	JBX601YP222K	CCD-222	GP222	10TS-D22
C104	.680 10%		ADM-20-681	CPR-680J	CD19F681J500	DM-16-681J	5X368	424ME6800J5001
C105	.0015 400V 10%		V1614015	CPR-1500J	WMF4015	6DP-1-152	PVC6215	6PS-D15
C106	.0011 400V 10%		DBE6D1	CPR-1000J	WMF401	6DP-1-102	PVC621	6PS-D10
C107	.0047 10%		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	10TS-D47
C108	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C109	.001 1KV 10%		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C110	.001 1KV 10%		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C111	.330 10%		GPD X5F331K	DD-331	JBZ601YP331K	CCD-331	GP333	10TS-T33
C112	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C113	.0047 10%		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	10TS-D47
C114	.22 N1500/3KV/10%							
C115	150 6KV		HVD-60150	DD60-151		6CCD-151	6HV315	60GA-T15
C116	.75 N1500/4KV							
C117	.220		GPD X5F221K	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C118	.0033 400V 10%		V1614033	CPR-3300J	WMF4033	6DP-1-332	PVC6233	6PS-D33
C119	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C120	.45 N1500/5KV/10%							
C121	.68 N750 10%							
C122	.047 1KV 10%							
C123	.1 1KV							
C124	.05	#22-3034	BE10S47		DPMS16S47	16DP-5-473		10TM-S47
C125	.01		BE10P1					10TM-P10
C126A	.001 10%		ITP-.05	DA-503	HOV101ZV503Z		MAG2515	HY-535
B	.001 10%		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C127A	.001 10%		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
B	.001		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C128	.1 200V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C129	.8 NPO 5%	22-5524	DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C130	.0047 10%							
C131	.36 NPO 5%		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	10TS-D47
C132	.220 1KV 10%		GPD X5F221K	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C133	.30 NPO 5%			TCZ-30		CCTO-300		10TCC-Q30
C134	.100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C135	.240 N470 5%	#22-5745						
C136	.270 N750 10%	#22-3140						
C137	.05 25V	#22-3034	ITP-.05	DA-503	HOV101ZV503Z		MAG2515	HY-535
C138	.05 25V	#22.3034	ITP-.05	DA-503	HOV101ZV503Z		MAG2515	HY-535
C139	.0015		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C140	.22 200V		DBE6P22		DPMS4P22	4DP-5-224	PVC4022	4PS-P22
C141	.2	22-4731						
C143	.13							
C144	.8 NPO +.25	22-4731	NPO-DI 8.2		NPO8P2			10TCC-V82
C145	.2							
C146	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C147A	.001 1KV		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
B	.001 1KV		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C148	.001 1KV 10%		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C149	.82	#22-3031						
C150	.01 1.5KV							
C151	.01		GPD X5S103K	DD-103	HVT162ZV103P	CCD-103	2HV110	30GA-S10
C152	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C153	.047 600V		DBE6S47		DMF6S47	6DP-3-473	PVC6147	6PS-S47
C154	.12 NPO 5%			TCZ-12	CZ601CG120J	1DP-2-473	CNO412	10TCC-Q12
C155	.047 100V 10%		V1612547		DMF1547	225P47391WD3	PVC1147	225P47391WD3
C156	.0015 10%		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C157	.1 400V		DBE4P1		DMF4P1	4DP-3-104	PVC401	4PS-P10
C158	.001		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C159	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C160	.62pf	#22-3786						
C161	.220 1KV 10%		GPD X5F221K	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C162	.18 NPO 5%			TCZ-18	CY601CG180J		CNO418	10TCC-Q18
C163	.100 NPO 5%			DTZ-100			CNO310	10TCC-T10
C164	.001 1KV 10%		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C165	.022 600V	#22-2467	DBE6S22		DMF6S22	6DP-2-223	PVC6122	6PS-S22
C166	.47 N075 10%							
C167	.100 10%		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C168	.47 N75 10%							
C169	.82 N1500 5%					*	*	10TCW-082
C170	.470 N1500 10%					*	*	10TCW-T47
C171	.820 N2200 5%					*	*	10TCY-T82
C172	.820 N2200 5%					*	*	10TCY-T82
C173	.01		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C174	.1 100V 10%		DBE2P1		DMF1P1	1DP-2-104	PVC101	225P10491WD3
C175	.082 200V 10%		DBE6S82		DPMS6S82	6DP-4-823		6PS-S82
C176	.056 200V 10%		DBE6S56		PKM4S56	4DP-3-563	PVC6156	4PS-S56
C177	.1 200V 10%		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C178A	.0047		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	10TS-D47
B	.0047		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	10TS-D47

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

CAPACITORS (cont)

CAPACITORS (cont)

* Not normally in distributor's stock. Available thru distributor on order to manufacturer. # Zenith Part Number

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

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

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

- (1) Connect a 270 ohm, 2 watt resistor in series with terminal.
- (2) Use original nylon tab mount.
- (3) Insulate control from chassis and solder original center terminal lead to metal case of control.
- (4) Connect a 56 ohm, 2 watt resistor in series with terminal.
- (5) Use original nylon tab mount and solder original center terminal lead to metal case of control.
- (6) Switch must be CTS type 080.
- (7) See Cross Reference Chart on alternate parts used.

* "SNAPTROL"

* May be used in some versions.

PARTS LIST AND DESCRIPTION

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

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA			
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.
Q1		1st Amp.	121-494	GE-2	TR-14	ECG 102
Q2		2nd Amp.	121-491	GE-2	TR-14	ECG 102
Q3		3rd Amp.	121-492	GE-2	TR-14	ECG 102
Q4		Limiter	121-493	GE-2	TR-14	ECG 102
Q5		Relay Control	121-490	TR-05	TR-05	ECG 102
Q6		Pilot Relay Control	121-490	TR-05	TR-05	ECG 102
Q7		Stepper Relay Control	121-490	TR-05	TR-05	ECG 102
Q8		Pilot -				

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA			NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.	
X1	212-79	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	ZENITH PART No.	REPLACEMENT DATA		
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.
C1	200 35V	22-3721	PRS1530		BR200-150
C2	10 3V	22-3705	CBE207A	EA6-10	MTL-3
C3A	25 30V	22-3642	PRS2175		BRD3315
C4	25 30V				BRD3315
C5	40 30V	22-3643	PRS2195		BRD4415
C6	40 30V				BRD4415
C7	4,200VTP	22-2883	NP-PBS750		BRNF5-400

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ELMCO PART No.
C11	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C12	.005		TTP-005	CK-502	HOV101ZV502P	CCD-502
C13	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C14	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C15	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C16	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C17	.05		TTP-05	CK-503	HOV101ZV503Z	CCD-503
C18	820 100V 5%		ADM-20-821	CDP-820J	CDP-820J	DM-19-821J
C19	820 100V 5%		ADM-20-821	CDP-820J	CDP-820J	DM-19-821J
C20	820 100V 5%		ADM-20-821	CDP-820J	CDP-820J	DM-19-821J
C21	820 100V 5%		ADM-20-821	CDP-820J	CDP-820J	DM-19-821J
C22	47 400V		V1614P47		DPM54P47	4DP-6-47A
C23	.0047		GPD X5R472K DD-472G		JBT501YVW2K	CCD-472
C24	.001		GPD X5F102K DD-102		JBS601YF102K	CCD-102

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.
R1	Sensitivity	18K	63-7534	F2-25K, SNK010	NP-25K-Z, NML-A-300, TT-2	B13-120, TM4 or (B)U1, CF90, SS6)*

*SNAPTROL

RESISTORS (Power and Special)

ITEM No.	RATING	IRC PART No.	REPLACEMENT DATA			ITEM No.	RATING	IRC PART No.	REPLACEMENT DATA		
			MFGR. PART No.	WORKMAN PART No.	MFGR. PART No.				MFGR. PART No.	WORKMAN PART No.	MFGR. PART No.
R21	100Ω 5W (100Ω 4W)	PW5-100	5W-SQ-100	5W-SQ-100	63-3210						

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			ITEM No.	USE	REPLACEMENT DATA		
		MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.			MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	39.5KΩ Input	95-2411	95-2044						
L2	41.25KΩ	95-2044	95-2045						
L3	40.25KΩ	95-2045	95-2046						
L4	38.75KΩ	95-2046	95-2047						
L5	37.75KΩ	95-2047							

TRANSFORMER (Power)

ITEM No.	RATING	SEC. 1	REPLACEMENT DATA			ITEM No.	RATING	SEC. 1	REPLACEMENT DATA		
			MFGR. PART No.	STANCOR PART No.	THORLACSON PART No.				MFGR. PART No.	STANCOR PART No.	THORLACSON PART No.
T1	117VAC @ .065A AC	22.5VAC A.039A DC	95-2459 (95-2216)								

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
K1	Relay	195-45	Tint Up
K2	Relay	195-45	Tint Down
K3	Relay	195-45	Pilot
K4	Relay	195-39 (195-56)	Pilot Stepper
K5	Relay	195-43	Mute Function
K6	Relay	195-35	Volume Step
S1	Switch	95-932	Auto-Manual

TRANSMITTER PARTS LIST S-68936

PART NAME	PART No.	NOTES
Transmitter Case	43-797	
Transmitter Mechanism Assy.	S-69441	
Top Housing and Overlay Assy.	S-69446	
Rod Bracket & Spring Assy.	S-79513	
Hammer Housing	43-798	Part of S-69441
Pushbutton (checked on 12-4184)	46-4384	
Pushbutton Mounting Bracket Assembly (4 required)	12-4184	
Rod "A" Plain	76-1002	
Rod "B" - 3 Ring	76-1003	
Rod "C" - 1 Ring	76-1004	
Rod "D" - 2 Ring	76-1005	
Hammer - 9/32 lg. Plain	97-1673	
Hammer - 9/32 lg. 3 Ring	97-623	
Hammer - 5/16 lg. 3 Ring	97-624	
Hammer - 3/8 lg. 1 Ring	97-625	
Hammer - 13/32 lg. 2 Ring	97-626	
Grille	138-398	
Transmitter Overlay	57-5250	Part of S-69446

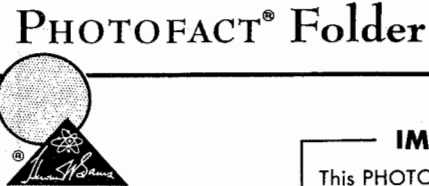
ZENITH REMOTE CONTROL RECEIVER S-77536, TRANSMITTER S-68936

SET 1106 FOLDER 3-A



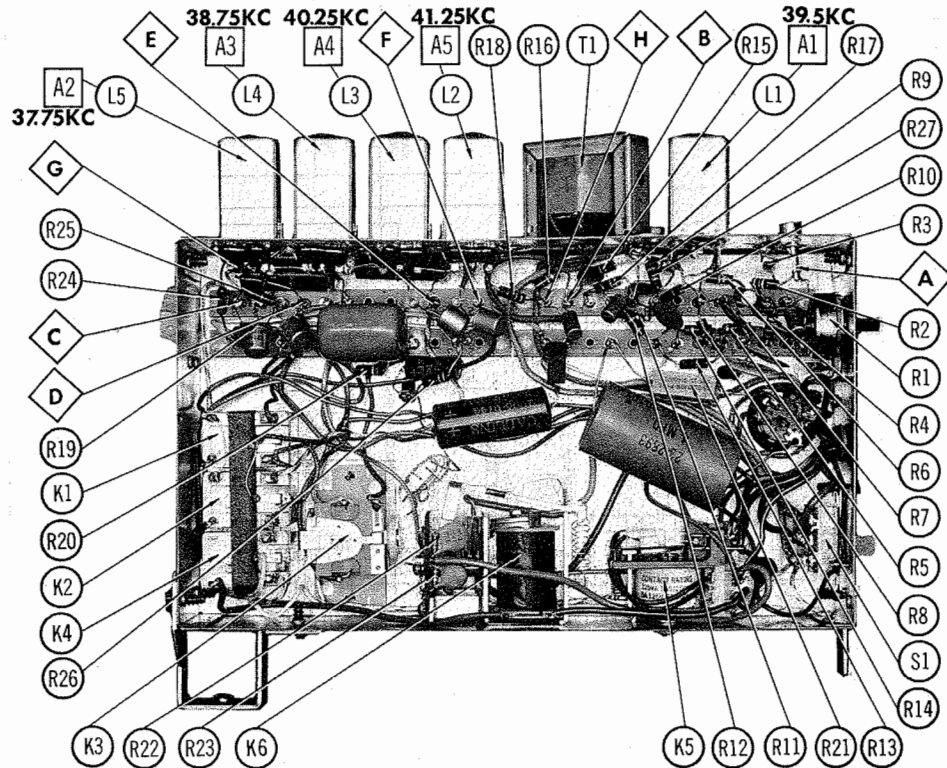
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W.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

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IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET 1106 FOLDER 3. File this Folder with the TV Folder in the yellow filing jacket provided.



REMOTE RECEIVER ALIGNMENT

When adjusting A2 thru A5, correct setting is achieved with dip nearest top of coil.						
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS	
Connect high side thru a .002 capacitor to Point ④. Low side to ground.	39.5KC		RF probe to Point ④. Low side to ground.	A1	Connect jumper from Point ④ to Point ⑤. Adjust for maximum. Remove jumper.	
"	37.75KC		DC probe to Point ④. Low side to ground.	A2	Adjust for MINIMUM.	
"	38.75KC		DC probe to Point ④. Low side to ground.	A3	Adjust for MINIMUM.	
"	40.25KC		DC probe to Point ④. Low side to ground.	A4	Adjust for MINIMUM.	
"	41.25KC		DC probe to Point ④. Low side to ground.	A5	Adjust for MINIMUM.	

REMEMBER TO ASK— "What else needs fixing?"

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

ZENITH REMOTE CONTROL RECEIVER S-77536, TRANSMITTER S-68936

ZENITH REMOTE CONTROL RECEIVER S-77536, TRANSMITTER S-68936

SET 1106 FOLDER 3-A

DATE 6-70

SET 1106 FOLDER 3-A

