

CABINET-REAR VIEW

## 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

A .75-amp fuse is used for low-voltage power-supply protection. (See Placement Chart.)

A 4-amp fuse is used for AC line protection. (See Placement Chart.)

### VHF TUNER

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

### UHF TUNER

The UHF tuner employs a detent mechanism for channel selection. Fine tuning is adjusted by rotating the fine tuning knob.

### FOCUS

The focus may be varied by a focus control. (See photo, Cabinet-Rear View.)

### AGC

The AGC may be varied by an RF AGC control. (See Placement Chart.)

SET 1904 FOLDER 1

## PHOTOFACT® Folder

with CIRCUITRACE™

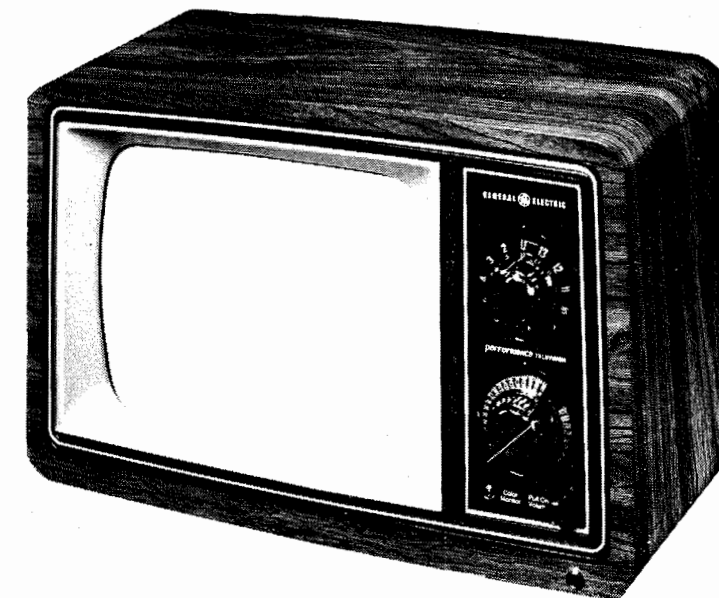
For Supplier Address See PHOTOFACT Index

GENERAL ELECTRIC  
CHASSIS AB-B

COLOR TV

### MODEL CHASSIS

10AB0402T(B01) AB-B  
10AB0402V(B01) AB-B  
10AB0404W(B01) AB-B  
10AB0405K(B01) AB-B  
10AB0406K(B01) AB-B  
10AB0408W(B01) AB-B  
10AB0409W(B01) AB-B  
10AB0410W(B01) AB-B  
10AB0411W(B01) AB-B  
10ABK413W(B01) AB-B



Model 10AB0409W(B01)

## SAFETY PRECAUTIONS

See page 4.

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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. 80PD2515  
10 9 8 7 6 5 4 3 2

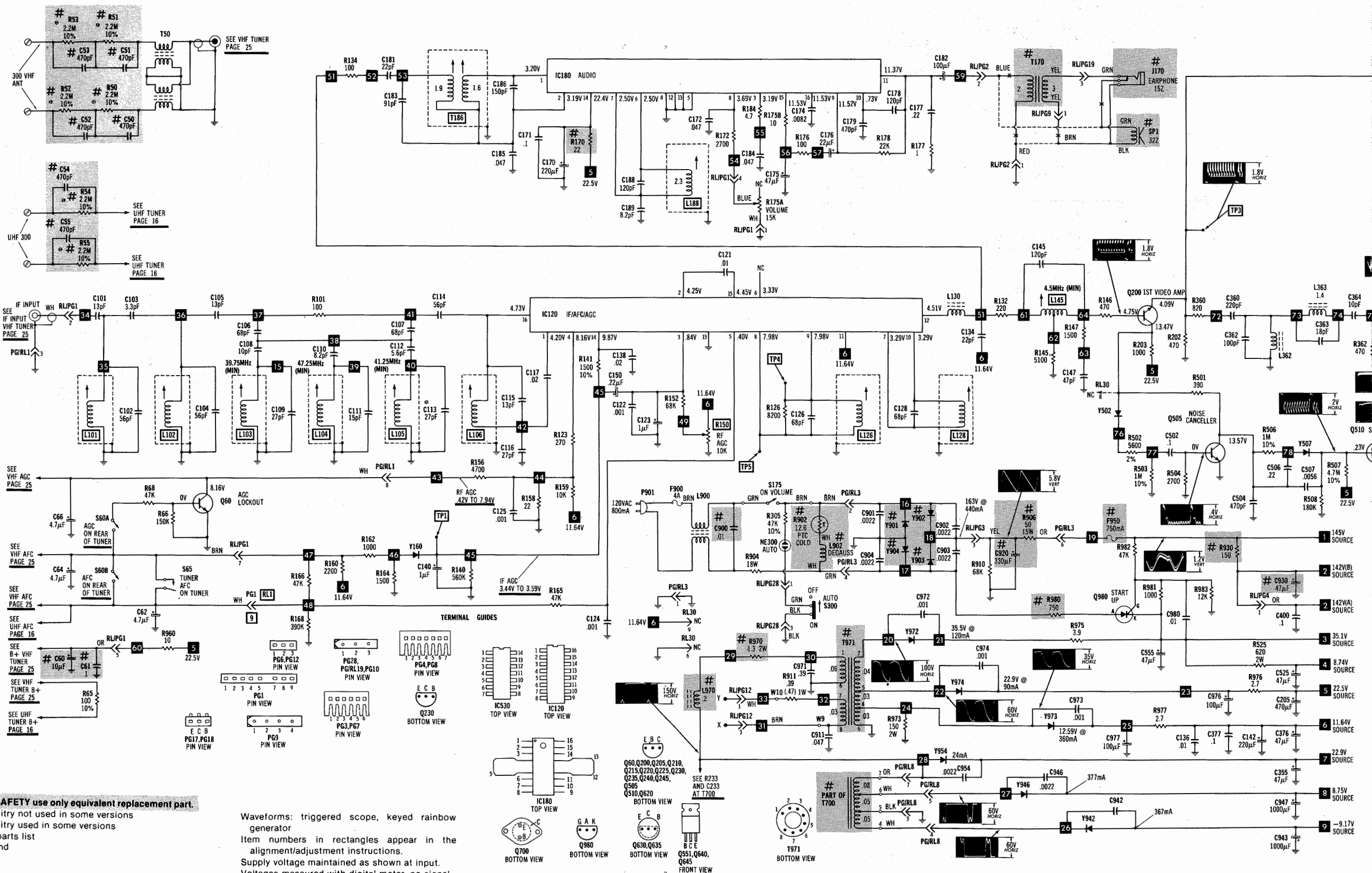
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DATE 5 -80

SET 1904 FOLDER 1

GENERAL ELECTRIC  
CHASSIS AB-B

SET 1904 FOLDER 1



DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove knobs from cabinet front, remove seven screws holding cabinet back, remove back. Disconnect HV anode, CRT socket, deflection yoke connectors and ground leads. Remove five screws holding main chassis frame to cabinet bottom and front, slide main chassis back, disconnect speaker connector, tuner connector and color monitor switch connector. Remove main chassis from cabinet, remove four screws holding tuner assembly, volume control bracket to cabinet front and remove assembly from cabinet.

CRT REMOVAL

Follow "Chassis Removal" procedure and lay set facedown on a soft protective surface. Loosen and remove CRT neck assemblies, remove eight screws holding CRT to cabinet front and lift CRT out of cabinet. Do not lift CRT by the neck.

CONVERGENCE ADJUSTMENTS

If the blue and/or red horizontal lines at the top and bottom are misconverged from the green line where they cross the vertical center line, connect the push-on connector wires from the

vertical module and the convergence module to pins 2 and 3 of the static convergence assembly. Then observe the screen and reconnect the wires as indicated in the chart below.

CAUTION: REMOVE POWER FROM THE RECEIVER BEFORE CONNECTING OR DISCONNECTING WIRES.					
		CONVERGENCE ASSEMBLY PIN 1 2-3 4			CONVERGENCE ASSEMBLY PIN 1 2-3 4
Normal Connection	Vertical Wire	X	Blue high at top- low and bottom	Vertical Wire	X
	Convergence Wire	X		Convergence Wire	X
Blue low at top- high at bottom	Vertical Wire	X	Red high at top- low at bottom	Vertical Wire	X
	Convergence Wire	X		Convergence Wire	X
Red low at top- high at bottom	Vertical Wire	X	Blue & Red high at top-low at bottom	Vertical Wire	X
	Convergence Wire	X		Convergence Wire	X
Blue & Red low at top-high at bottom	Vertical Wire	X			
	Convergence Wire	X			

If necessary, readjust static magnets for best compromise.

To correct for edge convergence, tilt the yoke vertically or horizontally to obtain best con-

vergence at the edges of the screen. Insert wedges to hold yoke in position.



CRT NECK ASSEMBLY

GENERAL ELECTRIC  
CHASSIS AB-B

GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1

FOLDER 1







SAFETY PRECAUTIONS

THIS CHASSIS USES A LINE-CONNECTED FULL-WAVE BRIDGE RECTIFIER CIRCUIT. THERE IS ALWAYS A HAZARDOUS VOLTAGE BETWEEN THE CHASSIS AND EARTH GROUND. USE AN ISOLATION TRANSFORMER FOR SERVICING.

SHATTER-PROOF SAFETY GLASSES SHOULD ALWAYS BE WORN WHEN WORKING AROUND AN EXPOSED PICTURE TUBE. BEFORE HANDLING THE TUBE, THOROUGHLY DISCHARGE THE SECOND ANODE TO THE OUTER AQUADAG COATING OF THE PICTURE TUBE. REPLACEMENT PICTURE TUBES MUST HAVE INTEGRAL X-RAY AND IMPLOSION PROTECTION. REPLACE ONLY WITH TUBE OF SAME TYPE NUMBER.

AFTER SERVICING THE RECEIVER, PERFORM THE FOLLOWING SAFETY CHECK:

BEFORE INSTALLING THE CABINET BACK:

- A. INSPECT LEAD DRESS:
- 1. No lead should be against a power resistor (2 watts or more).
  - 2. High voltage connections must have no sharp points.
  - 3. The insulation on antenna leads should not be damaged. The leads should not be dressed close to any high voltage point or AC line connection.
  - 4. The AC wiring should be inspected for damaged insulation, frayed wires, pinched leads, or cold solder connections.
  - 5. Inspect the AC line cord for broken or damaged insulation.

AFTER INSTALLING THE CABINET BACK:

- A. Connect the VHF antenna to the VHF antenna terminals.  
B. Do not plug the receiver into a power outlet. Connect both blades of the power plug together and place the ON-OFF switch in the ON position.  
C. Measure between the shorted power plug and the following points. Readings should be as indicated.

TEST POINT	MIN. OHMS	MAX. OHMS
ANTENNA TERMINALS – UHF	600K	5.2 MEGS
ANTENNA TERMINALS – VHF	600K	5.2 MEGS
CABINET BACK SCREWS	OPEN CIRCUIT	
ALL METAL CONTROL OR CHANNEL SELECTOR SHAFTS (WITH KNOBS REMOVED)	OPEN CIRCUIT	
ALL NON-REMOVABLE METALLIC KNOBS, PUSH BUTTONS, EARPHONE JACKS, ETC.	OPEN CIRCUIT	
METAL ESCUTCHEONS AND OVERLAYS	OPEN CIRCUIT	
METAL HANDLES	OPEN CIRCUIT	

IF ANY READING IS OUTSIDE LIMITS SPECIFIED, THE CAUSE SHOULD BE IDENTIFIED AND CORRECTED BEFORE OPERATING THE RECEIVER.

CAUTION: X-RAYS

AS PRECAUTIONS AGAINST EMISSION OF X-RAYS IN EXCESS OF THE FEDERAL STANDARD, NEVER APPLY POWER TO THE RECEIVER UNTIL THE FOLLOWING CONDITIONS HAVE BEEN VERIFIED.

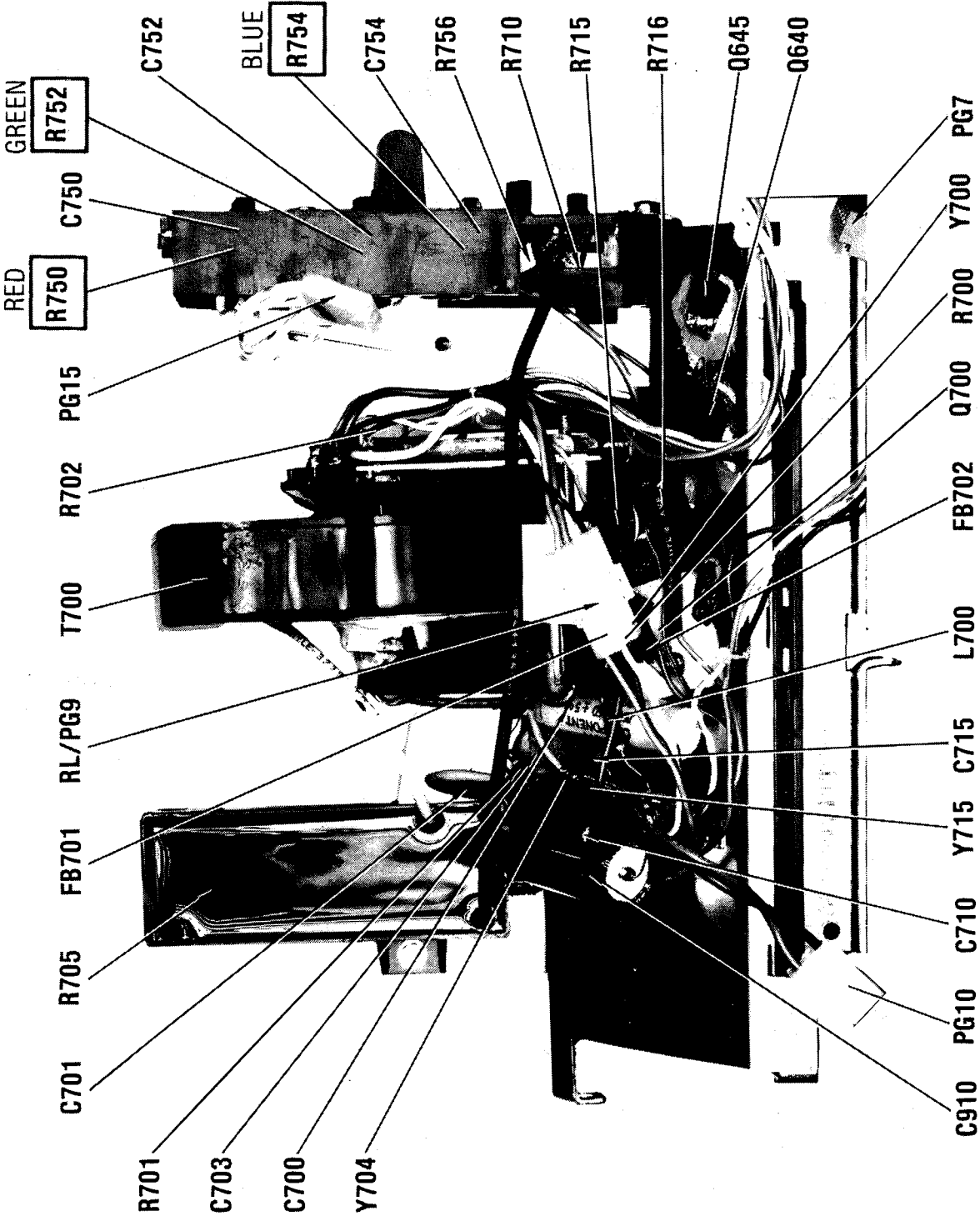
- 1. ALL FACTORY-INSTALLED SHIELDS ARE IN PLACE.
- 2. THE PICTURE TUBE IS A FACTORY SPECIFIED TYPE ONLY.
- 3. THE LINE INPUT VOLTAGE DOES NOT EXCEED 130 VOLTS AC.
- 4. THE HIGH VOLTAGE DOES NOT EXCEED THE VALUES SHOWN IN THE FOLLOWING TABLE WITH THE BRIGHTNESS AND CONTRAST CONTROLS AT MINIMUM (MINIMUM ILLUMINATION ON PICTURE TUBE SCREEN) AT 120 VAC.

CHASSIS	PICTURE TUBE SIZE	MAXIMUM HIGH VOLTAGE
10AB	10"	21KV

NORMAL HIGH VOLTAGE IS AS FOLLOWS AT ZERO BEAM CURRENT (BLACK PICTURE) WITH 120 VAC LINE INPUT. HIGH VOLTAGE IS NOT ADJUSTABLE.

CHASSIS	PICTURE TUBE SIZE	NORMAL HIGH VOLTAGE
10AB	10"	20KV

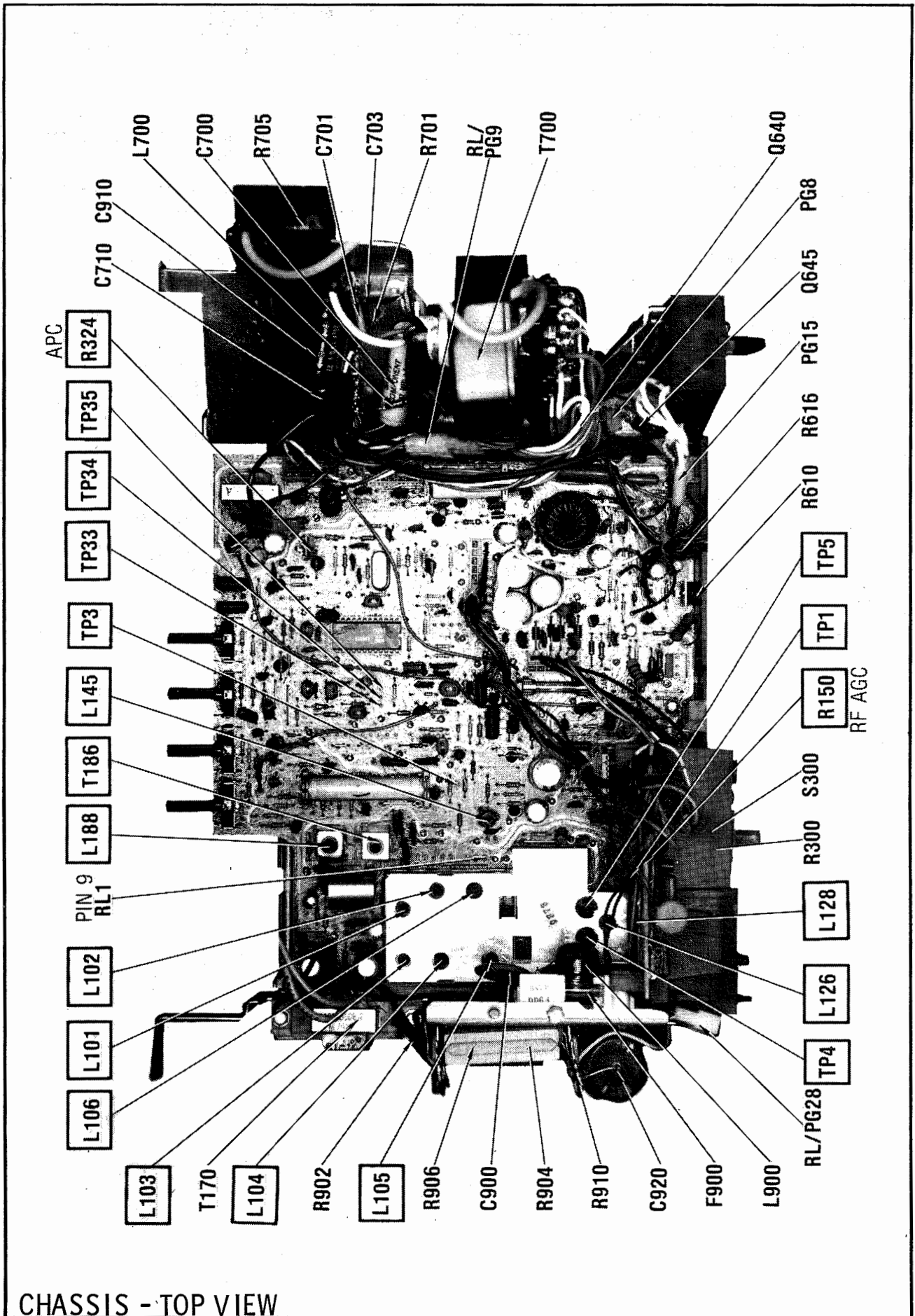
Courtesy of the Manufacturer



GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1

CHASSIS - SIDE VIEW



CHASSIS - TOP VIEW

TV ALIGNMENT INSTRUCTIONS

Use an isolation transformer, or observe polarity, and maintain line voltage at 120VAC. Allow a 20-minute warm-up period for receiver and test equipment.  
Suggested Alignment Tools: GC ELECTRONICS  
IF Output Coil (VHF Tuner), L101 thru L106, L188, T186, L126, L128, L145 ..... 9296, 9297, 9300

PRELIMINARY INSTRUCTIONS

Set the channel selector to the highest unused channel. Set scope sweep to external. Connect scope vertical input to scope vertical input on sweep/marker generator. Connect scope external horizontal input to scope horizontal input on sweep/marker generator. Ground test equipment to TV chassis unless specified otherwise. Use only enough generator output to provide a usable indication.  
Note: Response may vary slightly from that shown.  
Connect a 220 ohm resistor from TP4 to TP5.  
Connect a +7 volt bias to TP1.

VIDEO IF ALIGNMENT

DIRECT PROBE FROM SWEEP/MARKER GENERATOR	SWEEP GENERATOR OUTPUT	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
To TP3.	To test point on VHF tuner.	44MHz (10MHz Sweep)	39.75MHz 41.25MHz 47.25MHz	Adjust L103 for MINIMUM. Adjust L105 for MINIMUM. Adjust L104 for MINIMUM. See Figure 1.
"	"	"	39.75MHz 41.25MHz 42.17MHz 44.00MHz 45.75MHz 47.25MHz	Adjust L102, L106, L101 and VHF Tuner IF Output Coil for maximum gain and symmetry of response. See Figure 2.  L102 and L106 affect 44.00MHz.  L101 and Tuner IF Output Coil affect overall response.  Remove 220 ohm resistor.

4.5MHz 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 L145 for MINIMUM beat interference.

SOUND IF ALIGNMENT

Tune in a station and adjust L188 and T186 (Top and Bottom) for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce the signal while aligning for undistorted output by adjusting L188.

AUTOMATIC FINE TUNING ALIGNMENT

Connect as explained in preliminary instructions unless specified otherwise. Disconnect AFC wire at VHF Tuner.				
DIRECT PROBE FROM SWEEP/MARKER GENERATOR	SWEEP GENERATOR OUTPUT	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
To Pin 9 RL1 Plug.	To test point on VHF tuner.	44.00MHz (10MHz Sweep)	45.75MHz	Adjust L126 and L128 for maximum gain and symmetry of response.  Adjust L128 for placement of 45.75MHz marker. See Figure 3.

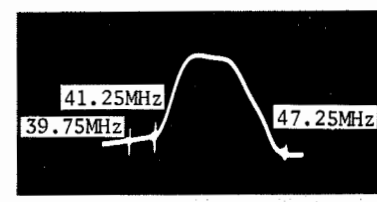


Figure 1

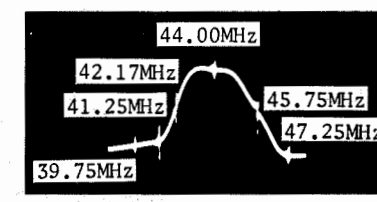


Figure 2

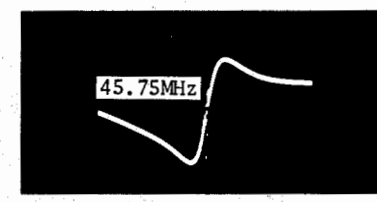


Figure 3

GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1

MISCELLANEOUS ADJUSTMENTS

AGC ADJUSTMENT

Tune in a strong station. Set Contrast and Brightness Controls for normal viewing. Adjust RF AGC Control (R150) for best picture without snow or cross modulation. Check operation on all receivable channels.

APC ADJUSTMENT

Tune in a color picture. Adjust Brightness, Contrast, and Color Controls for a normal picture. Connect a jumper from TP34 to TP33 and a jumper from TP35 to TP33. Adjust APC Control (R324) until colors stop or slowly float across the screen.

GREY SCALE

Tune in a color picture. Set the Brightness, Contrast, Color and Red, Blue, and Green Screen Controls fully counterclockwise. Connect a jumper from TP40 (CRT Socket Board) to ground. Adjust each Screen Control, one at a time, clockwise until the screen just lights. Then adjust the controls counterclockwise until the screen just goes black. Remove jumper from TP40. Turn the Brightness Control clockwise until the screen just lights. If necessary, readjust the

screen controls for grey scale in the low brightness areas of the picture.

Adjust the Brightness and Contrast Controls for a normal picture. If necessary, clip or resolder resistors R407, R417, or R427 to obtain good grey scale in high brightness areas.

PURITY ADJUSTMENTS

If the picture tube appears to be magnetized, use a degaussing coil to demagnetize the picture tube and mounting brackets. Connect a color bar generator to the antenna terminals and tune in a crosshatch pattern. Set Auto Switch to Manual and turn color control to MINIMUM.

Adjust the purity rings so that their rounded tabs are together and positioned vertically. Converge the raster at the center of the screen. Turn the Red and Blue Screen Controls fully counterclockwise to obtain a green raster.

Loosen the deflection yoke and slide it back against the convergence assembly. Adjust the purity rings to position the green stripe at the center of the screen. Slide the yoke forward until a pure green screen is obtained. Tighten yoke clamp.

TROUBLESHOOTING CHECK CHART

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

PICTURE or SOUND

NO PIC, NO SOUND, NO RASTER: Fuses,Y901 Thru Y904,StartUp,Y972,Y973,Y974.

NO PIC, NO SOUND, HAS RASTER: Tuner,IF (IC120).  
NO PIC, NO SOUND, HAS SNOW: Tuner,AGC (IC120).  
NO PIC, HAS SOUND, NO RASTER: Video Amps, Emitter Followers,Video Driver,CRT.

NO PIC, HAS SOUND, HAS RASTER: Video Amps, Emitter Followers,Video Driver.

HAS PIC, NO SOUND: Audio (IC180).  
OVERLOADED PICTURE: AGC (IC120).  
LOW OR EXCESSIVE BRIGHTNESS: Video Amps,Emitter Followers,Video Driver,Beam Limiter,Blanking.

SYNC

NO VERT SYNC: Sweep Oscillator (IC530).  
NO HORIZ SYNC: Sweep Oscillator (IC530).  
NO VERT/HORIZ SYNC: Sync Sep.

RASTER

YELLOW (NO BLUE): Chroma (IC300),Blue Drive,CRT.  
CYAN (NO RED): Chroma (IC300),Red Drive,CRT.  
MAGENTA (NO GREEN): Chroma (IC300),Green Drive, CRT.

SWEEP

NO RASTER, HAS SOUND: HV Rect (T700),Y700.  
NO RASTER, NO SOUND: Sweep Oscillator (IC530), Horiz Driver/Output,Y700.

NO VERT DEFLECTION: Sweep Oscillator (IC530), Vert Amp Driver/Phase Inverter/Outputs,Y610, Y620,Y635

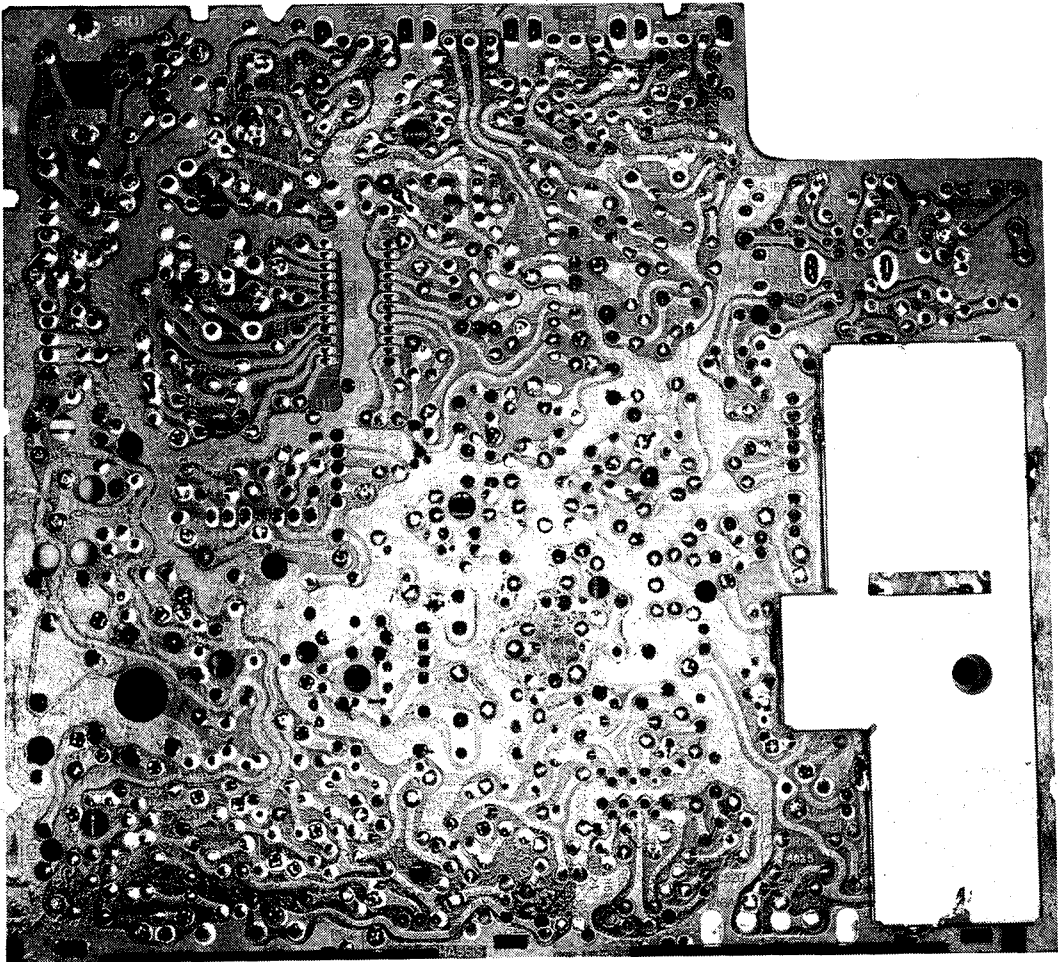
POOR VERT LIN OR FOLDOVER: Vert Amp/Driver/ Phase Inverter/Outputs,Y610,Y620,Y635.

POOR HORIZ LIN OR FOLDOVER: Horiz Driver/ Output,Y700.

NARROW PICTURE: Horiz Driver/Output,Y700.  
VERT OFF FREQUENCY: Sweep Oscillator (IC530).  
HORIZ OFF FREQUENCY: Sweep Oscillator (IC530).

COLOR (B/W operating normally)

NO COLOR: Chroma (IC300).  
WEAK COLOR: Chroma (IC300).  
NO COLOR SYNC: Chroma (IC300).  
NO GREEN: Chroma (IC300),Green Drive.  
NO BLUE: Chroma (IC300),Blue Drive.  
NO RED: Chroma (IC300),Red Drive.  
INCORRECT HUE (TINT): Chroma (IC300).



MAIN BOARD - SHIELD LOCATION

GENERAL ELECTRIC  
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FOLDER 1

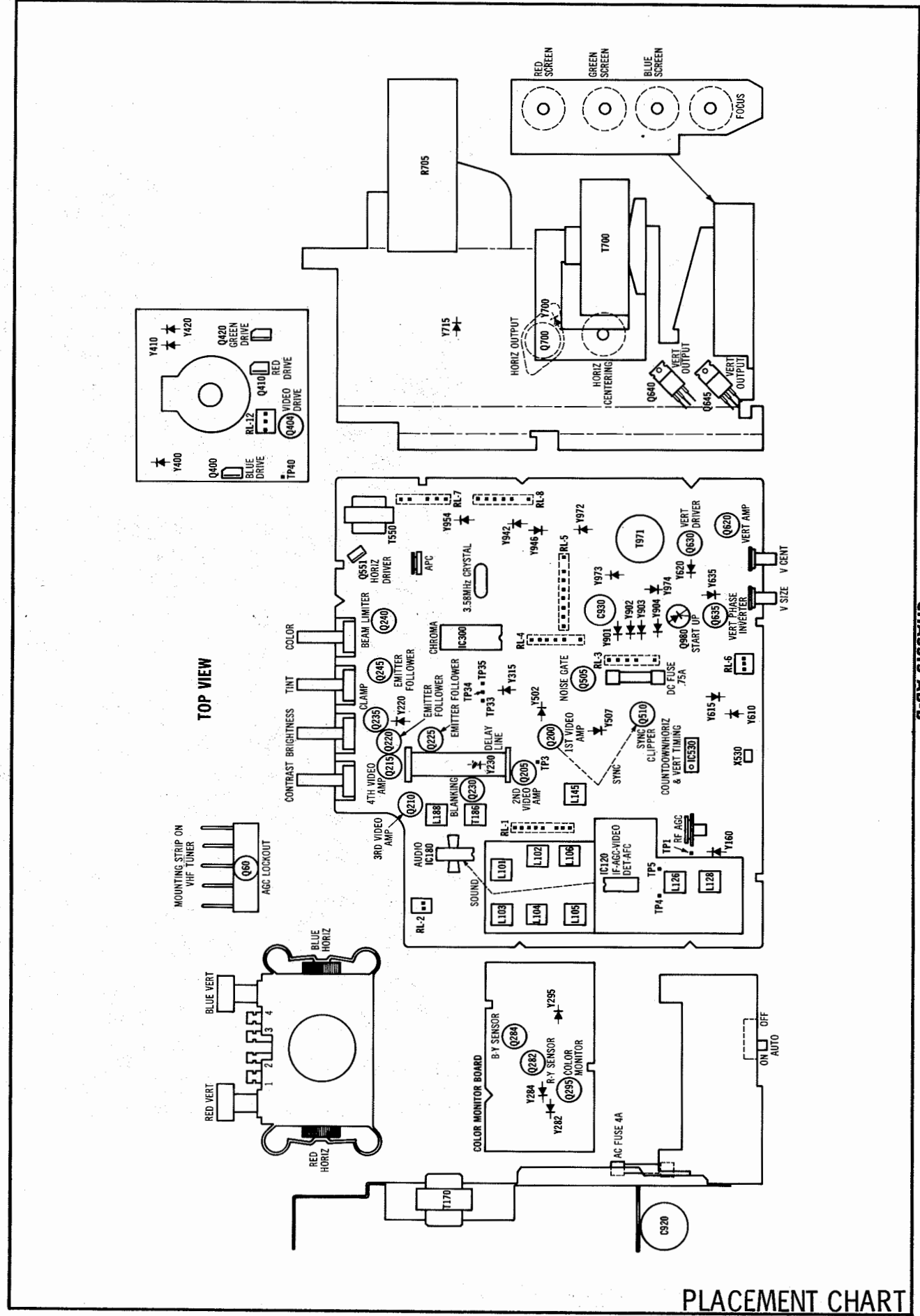


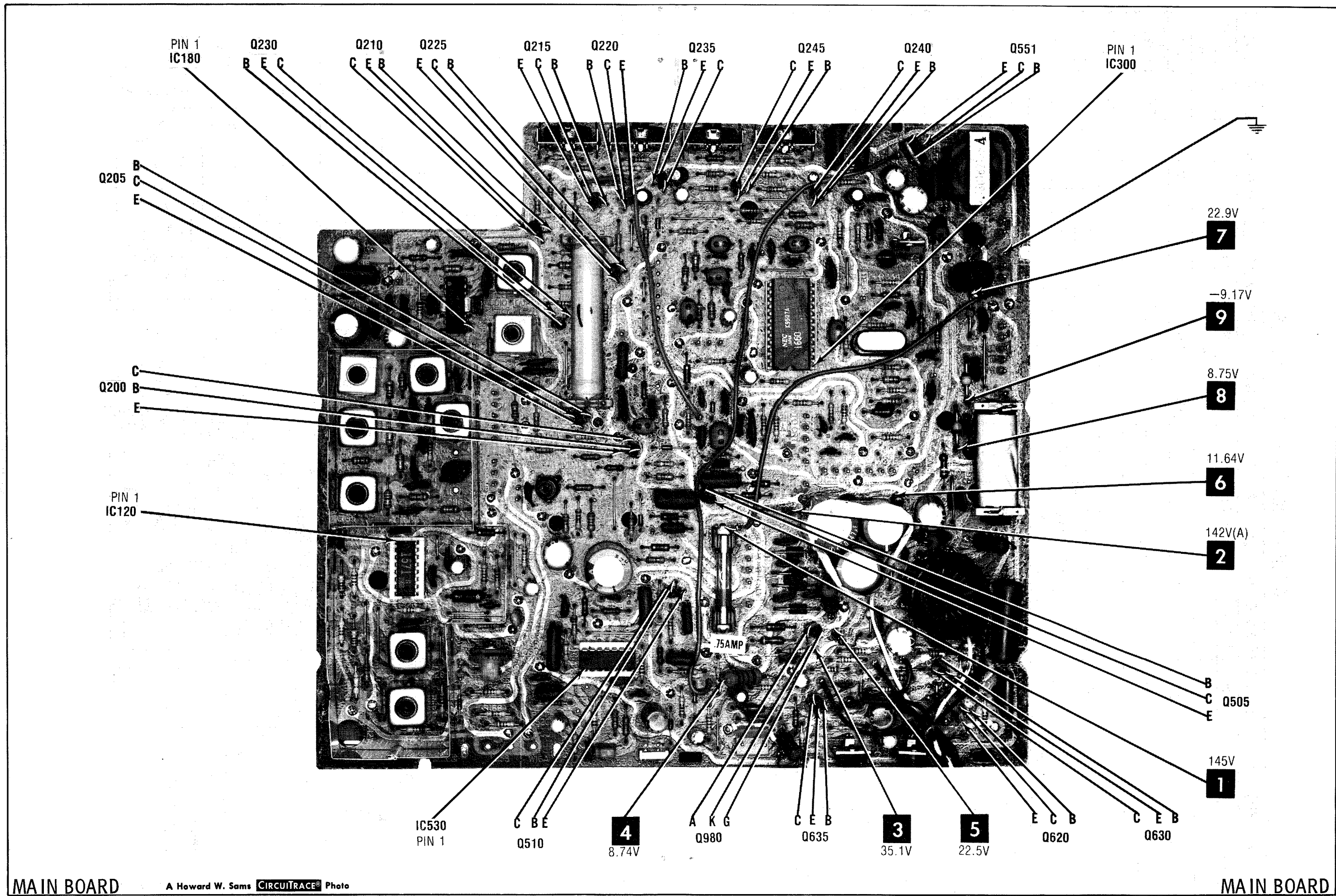
**MEASUREMENTS BELOW TAKEN WITH METER HAVING .08V MAX BETWEEN PROBE TIPS**

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	PIN 13	PIN 14
V401	FIL	530K	11K	28K(1)	500K	11K	28K(1)	NC	70M	NC	28K(1)	500K	11K	FIL
IC120	8370	7390	72K	7850	89K	INF	INF	3500	3500	INF	1581	5230	0	560K
IC180	17K	17K	17K	0	0	5160	5160	7030	INF	INF	INF	0	0	14K(1)
IC300	3290	3030	3150	2050	1605	2150	1605	8090	29K	29K	INF	0	12K	2110
IC530	17K	INF	INF	1264	3250	3270	0	150	1041	13K	17K	INF	INF	6280
ITEM	E	B	C		ITEM	E	B	C		ITEM	E	B	C	
Q60	0	150K	12K		Q240	1168	2760	7990		Q505	0	2700	1721	
Q200	470	5480	1334		Q245	1283	7990	432		Q510	0	171K	2980	
Q205	270	470	1112		Q282	750	390K	5130		Q551	0	177	1538	
Q210	3660	1113	910		Q284	1000	390K	5130		Q620	6600	INF(2)	INF(2)	
Q215	1459	910	2200		Q295	1.4M(2)	178K	11K		Q630	INF(2)	INF(2)	INF(2)	
Q220	2200	2200	342		Q400	INF(2)	3930	27K(1)		Q635	2.7	3400	5400	
Q225	984	3610	342		Q404	INF	1993	0		Q640	2.7	INF(2)	INF(2)	
Q230	342	91K	3500		Q410	INF(2)	3910	27K(1)		Q645	4400	5400	2.7	
Q235	1283	91K	INF(2)		Q420	INF(2)	3950	27K(1)		Q700	0	.9	20K(1)	

(1) This reading will vary depending upon the condition of the electrolytic in the circuit.

(2) Reading depends upon polarity of meter connections.





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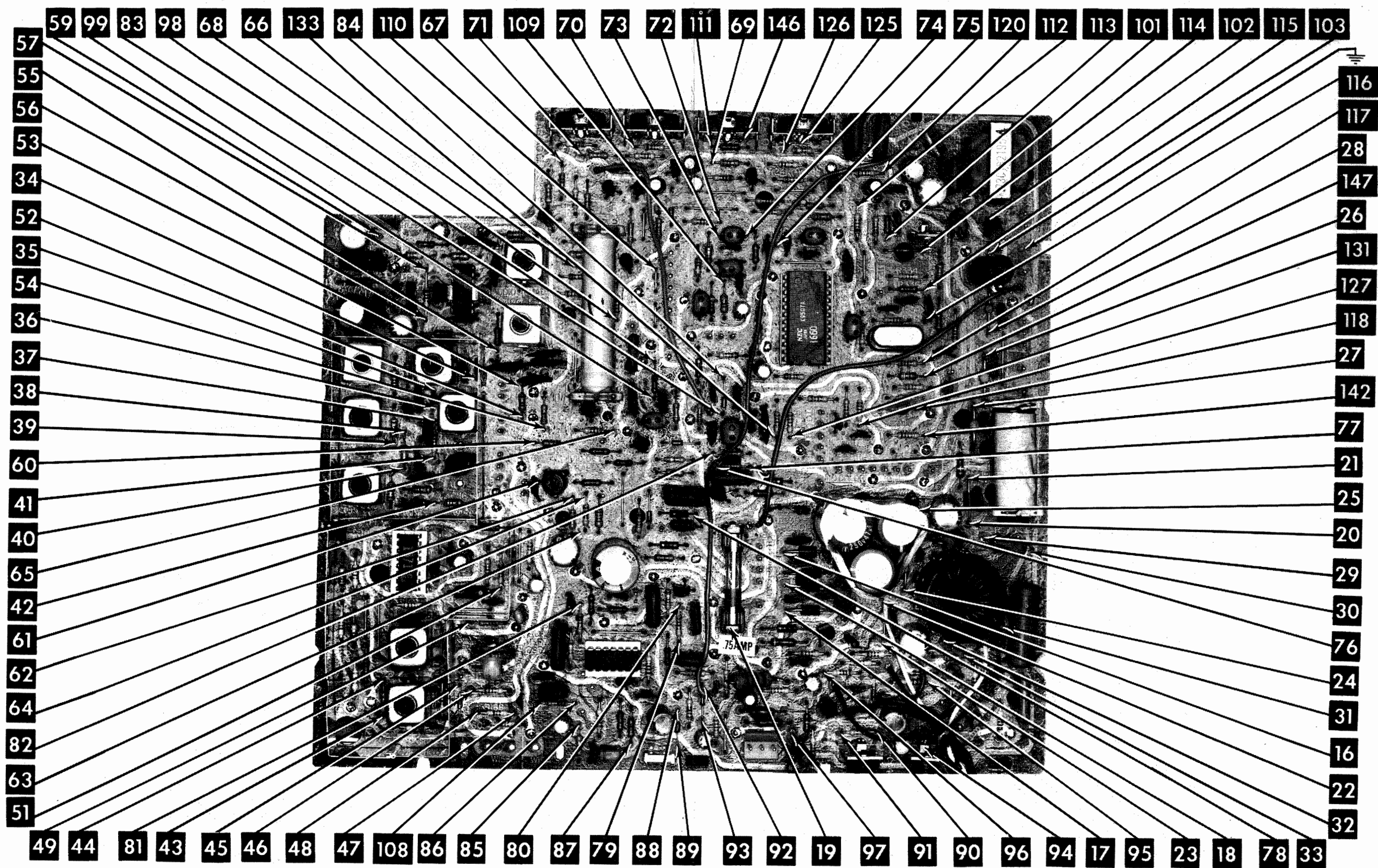
FOLDER 1

MAIN BOARD

A Howard W. Sams CIRCUITRACE® Photo

MAIN BOARD





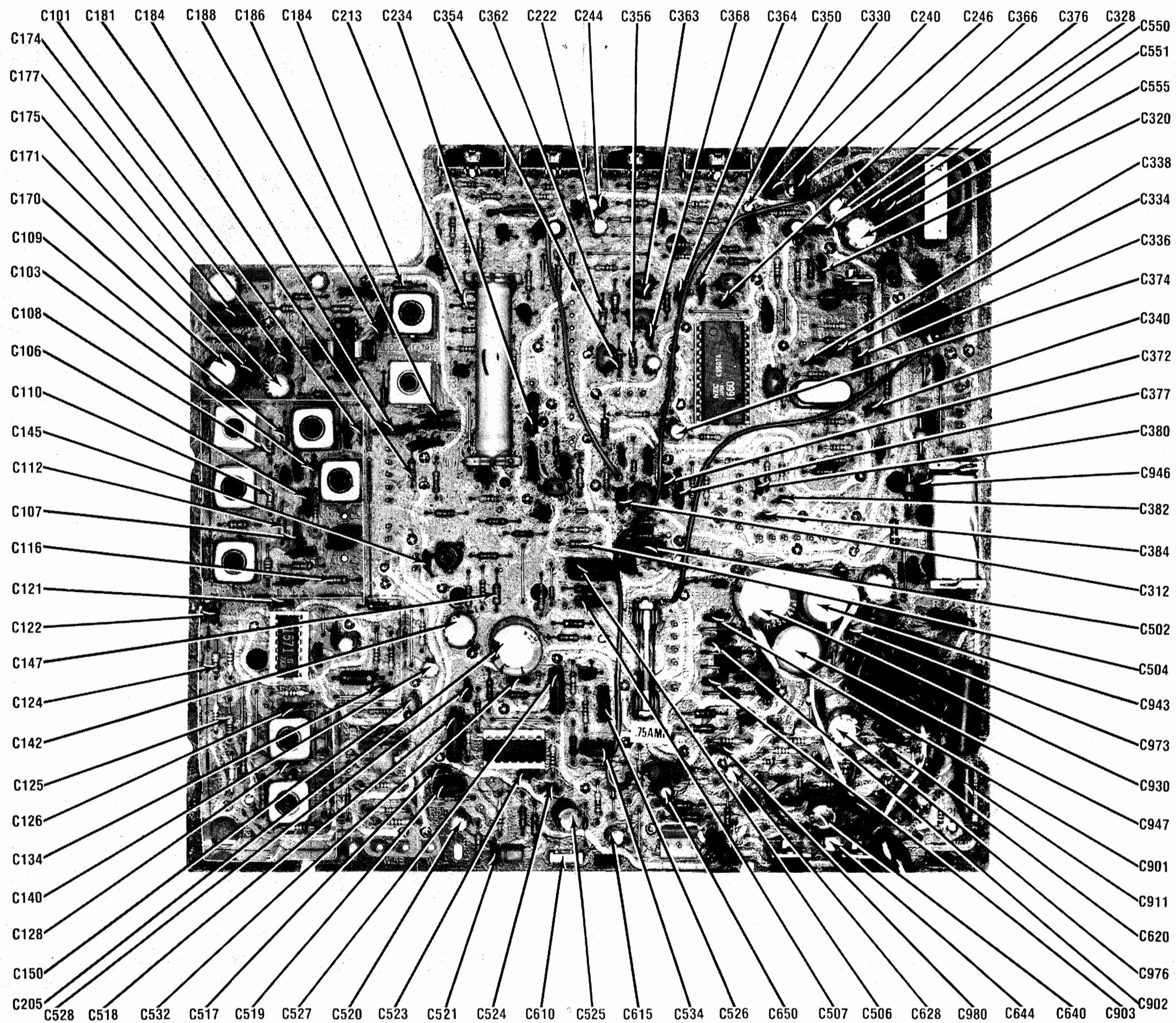
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CHASSIS AB-B

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MAIN BOARD

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MAIN BOARD



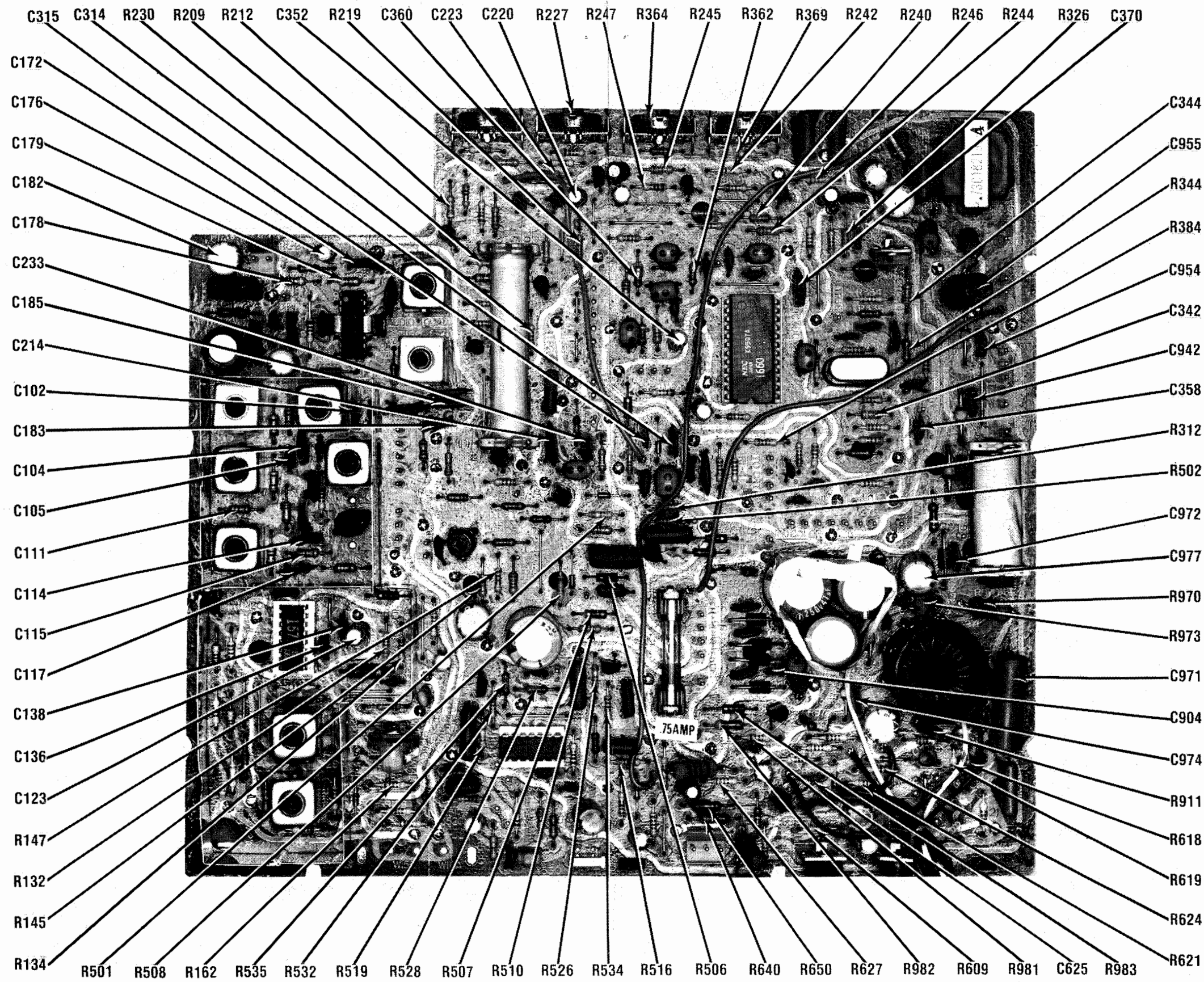
MAIN BOARD

MAIN BOARD

GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1



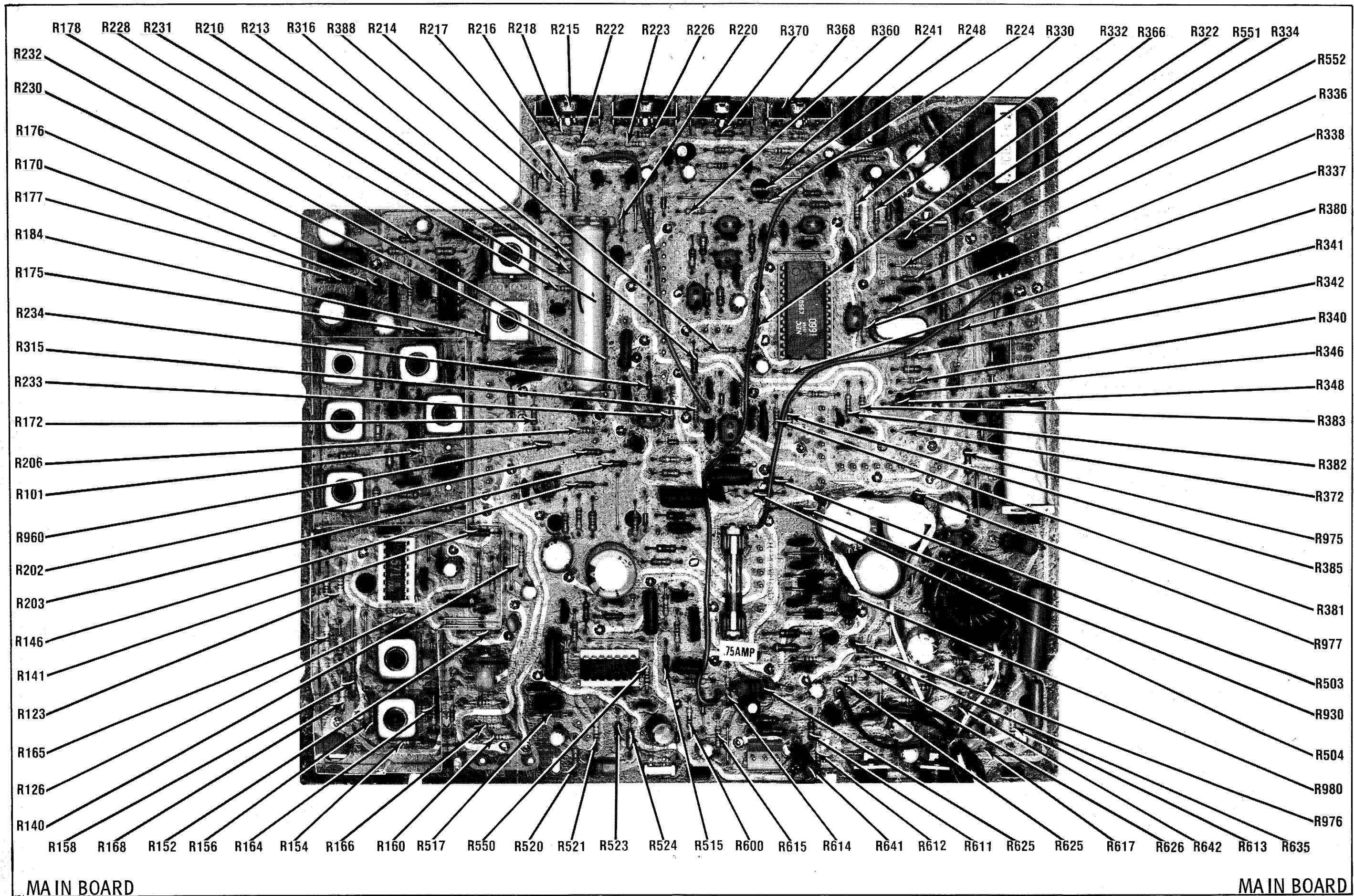


MAIN BOARD

MAIN BOARD

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CHASSIS AB-B

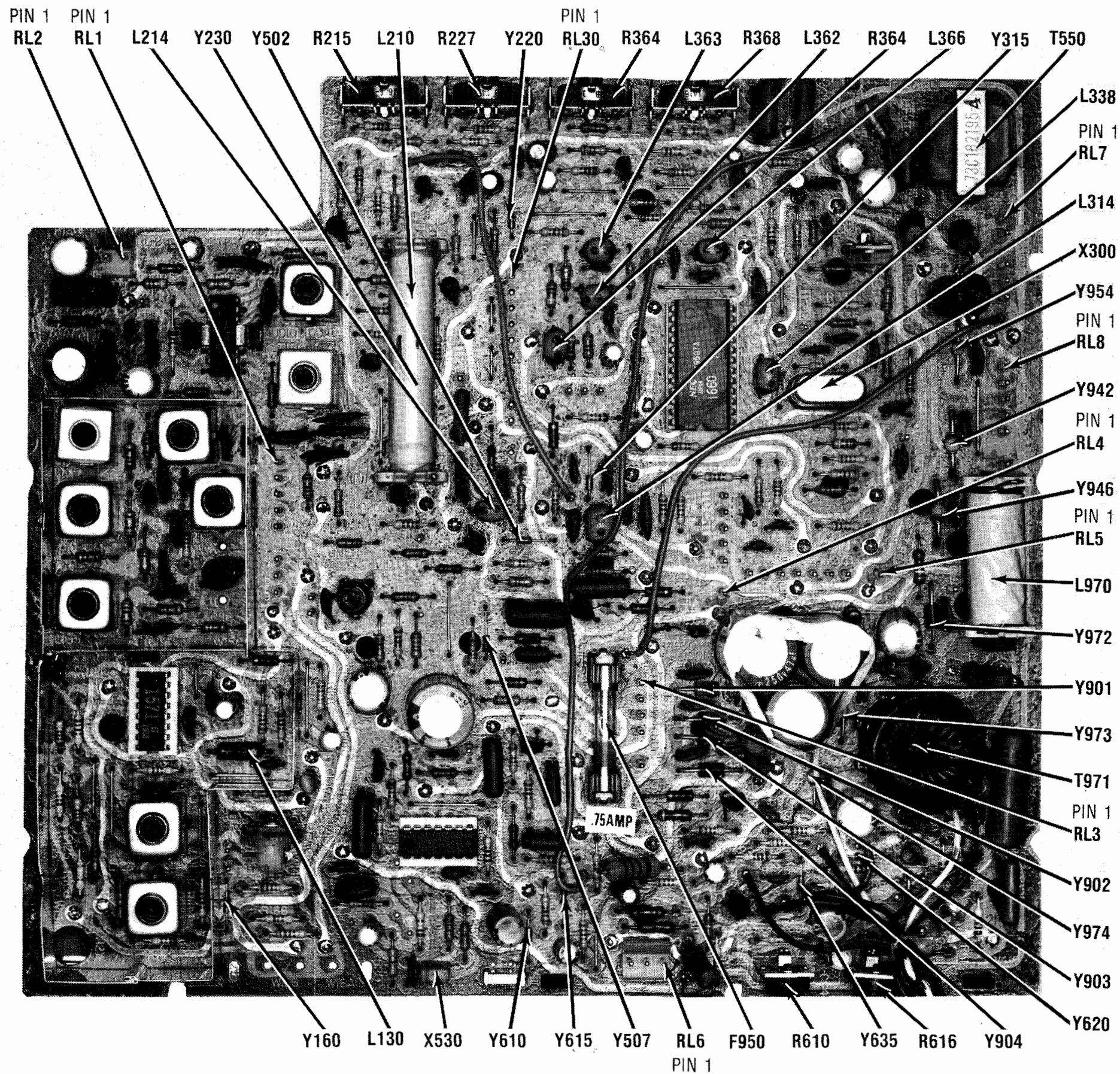
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FOLDER 1





GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1

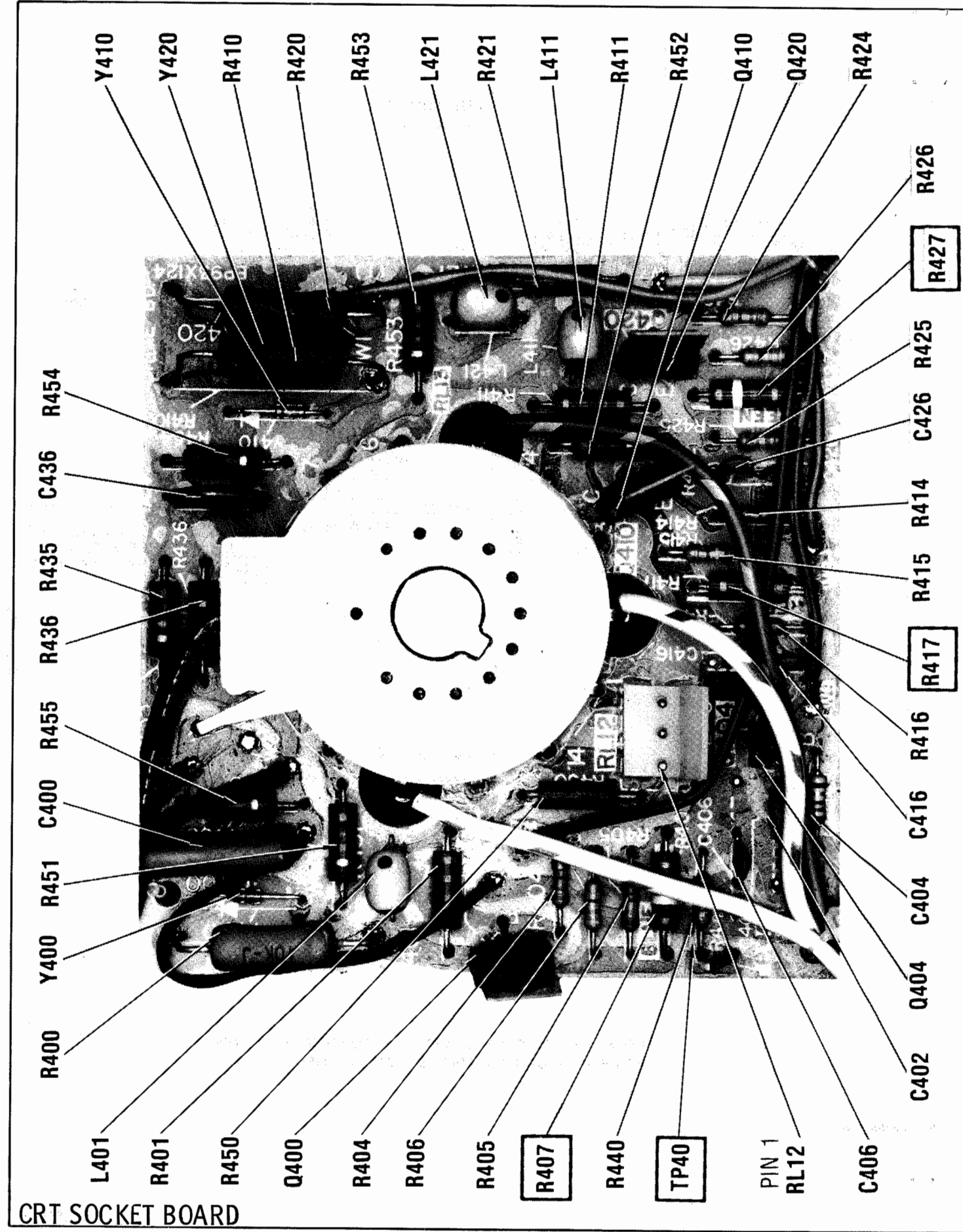
MAIN BOARD

MA IN BOARD

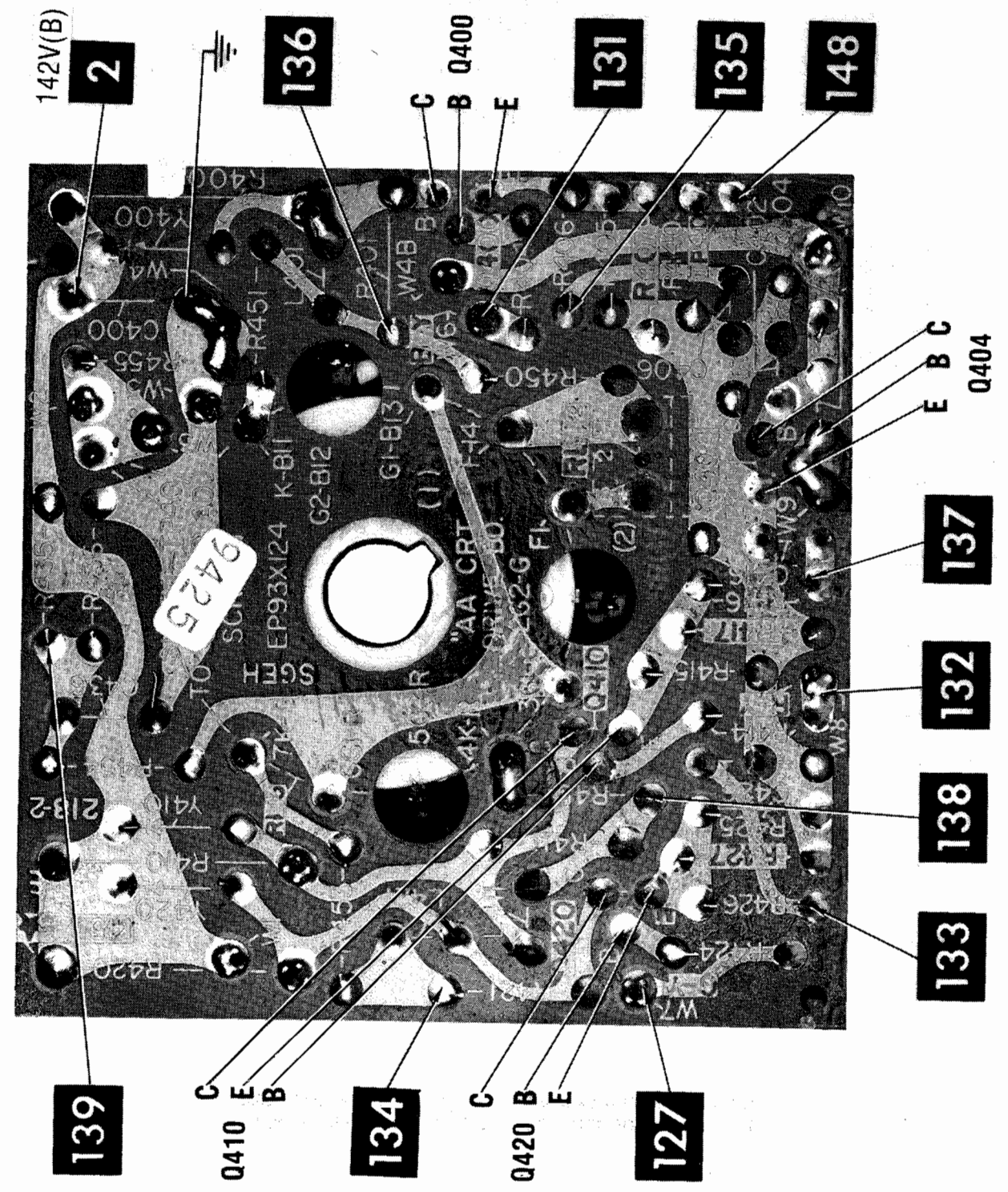








CRT SOCKET BOARD



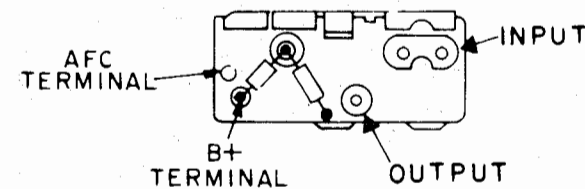
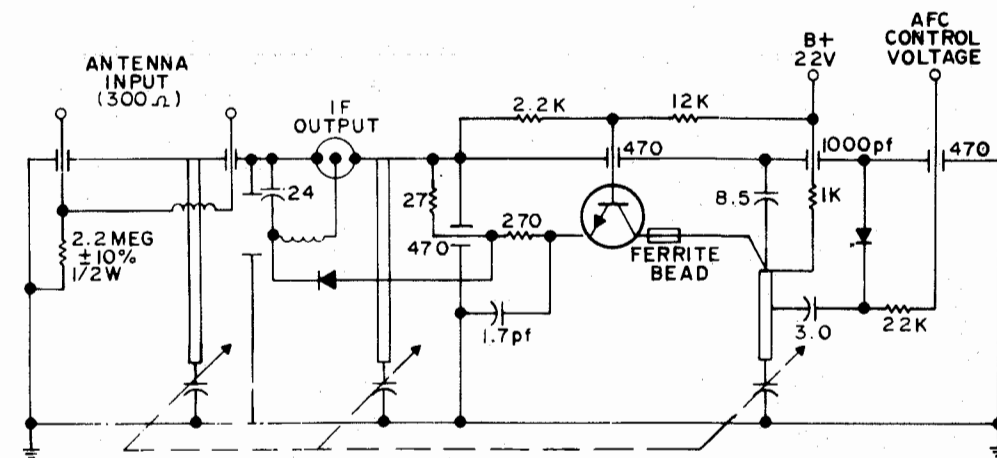
CRT SOCKET BOARD

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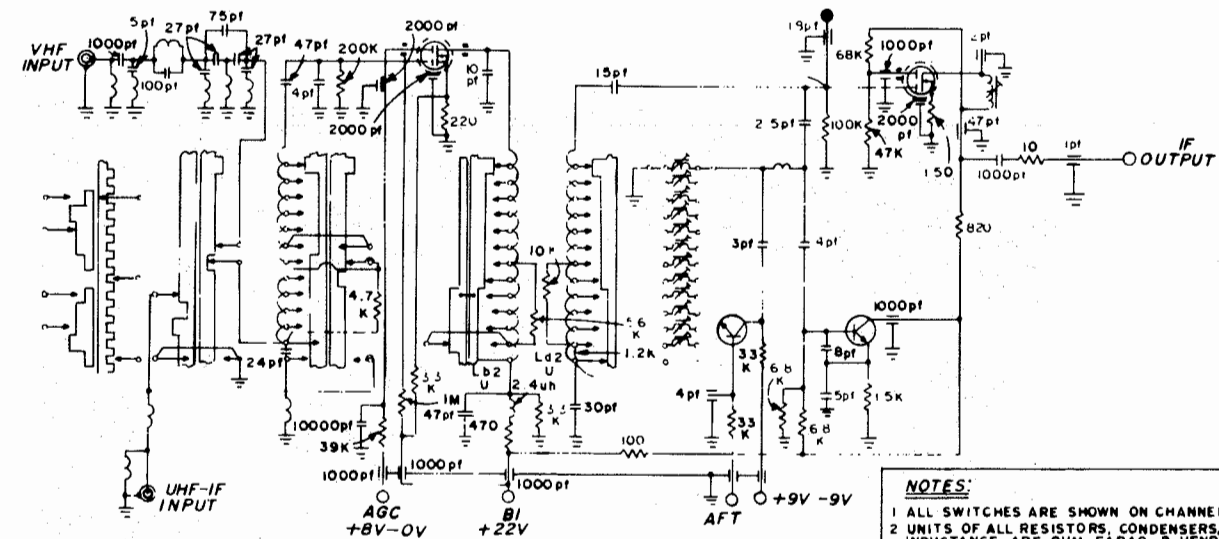
# UHF TUNER EP85X65



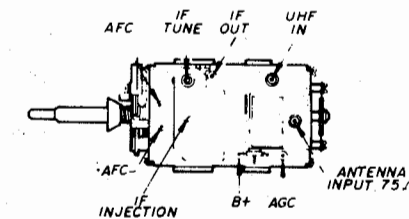
UHF TUNER - EP85X65

NOTE: NO SERVICEABLE PARTS CONTAINED IN THIS TUNER.  
FOR REPAIR, ORDER A COMPLETE REPLACEMENT TUNER.

# VHF TUNER EP86X71



NOTES:  
1 ALL SWITCHES ARE SHOWN ON CHANNEL 13.  
2 UNITS OF ALL RESISTORS, CONDENSERS, &  
INDUCTANCE ARE OHM, FARAD, & HENRY.  
3 UNLESS OTHERWISE SPECIFIED, RESISTORS  
ARE 1/4 WATT.



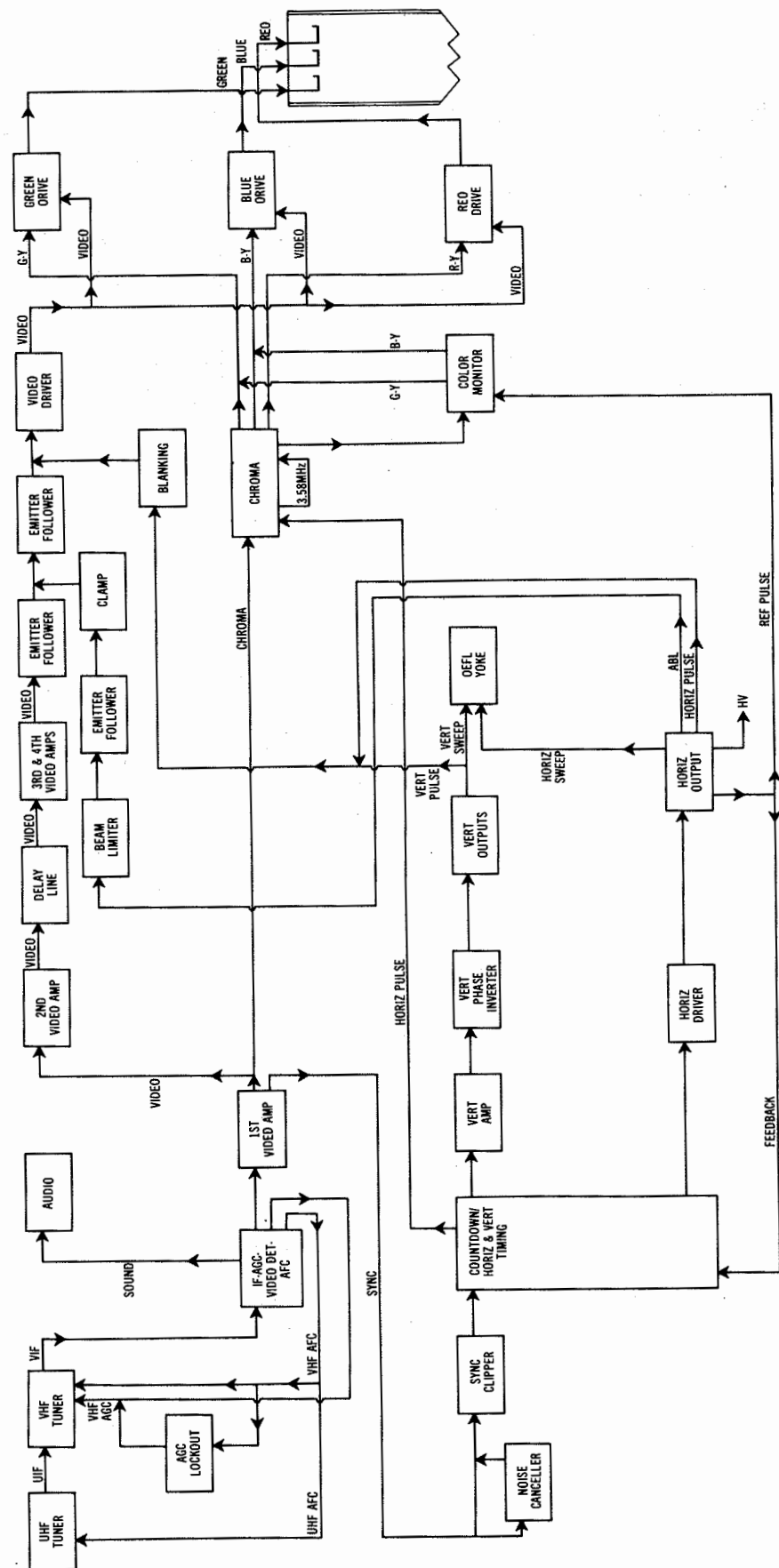
VHF TUNER - EP86X71

NOTE: NO SERVICEABLE PARTS CONTAINED IN THIS TUNER.  
FOR REPAIR, ORDER A COMPLETE REPLACEMENT TUNER.

GENERAL ELECTRIC  
CHASSIS AB-B

FOLDER 1

# BLOCK DIAGRAM



## 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. 9867 (30 KV)
Shielded Hook-up Wire .....	Use BELDEN No. 8401 or 8421 (Single-Conductor)
	8208 (Two-Conductor)
General-use Unshielded Hook-up Wire .....	Use BELDEN No. 8528 (Solid) Available in 13 Colors
	8522 (Stranded) Available in 13 Colors
300-Ohm Tuner Input Lead .....	Use BELDEN No. 8225
75-Ohm Tuner Input Lead .....	Use BELDEN No. 8241
300-Ohm Antenna Lead-in .....	Use BELDEN No. 8275 (Foam Core) or 8285 (Foam Jacketed)
Antenna Rotor Cable .....	Use BELDEN No. 8464 (Flat) or 8484 (Round) 4-Conductor
	8485 (Round) 5-Conductor
	8488 (Round) 8-Conductor

## SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA						
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
IC120		EP84X34							
IC180		EP84X81							
IC300		EP84X35							
IC530		EP84X82							
Q60		EP15X85	GE-86*	PTC132*	SK3452/108	ECG108	TMI08	WEP56/108	121-925
Q200		EP15X87	GE-20	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q205		EP15X87	GE-20	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q210		EP15X48	GE-82	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q215		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q220		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q225		EP15X87	GE-20	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q230		ES15X90	GE-82	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q235		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q240		EP15X48	GE-82	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q245		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q282		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q284		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q295		EP15X89	GE-20	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q400		EP15X61	GE-27	PTC103	SK3201/171	ECG171	TMI71	WEP702/171	121-743
Q404		EP15X60	GE-21	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q410		EP15X61	GE-27	PTC103	SK3201/171	ECG171	TMI71	WEP702/171	121-743
Q420		EP15X61	GE-27	PTC103	SK3201/171	ECG171	TMI71	WEP702/171	121-743
Q505		EP15X88	GE-20	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q510		EP15X86	GE-210	PTC136	SK3444/123A	ECG123A	TMI23A	WEP736/123A	121-Z9000A
Q551		EP15X105			SK3440/291	ECG291	TMI291	WEP780/291	121-Z9047
Q620		EP15X6	GE-61*	PTC136	SK3132*	ECG229*	TM229*	WEP956/229*	121-Z9021*
Q630		EP15X53	GE-82	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q635		EP15X53	GE-82	PTC103	SK3466/159	ECG159	TMI59	WEP62/159	121-Z9003
Q640		EP15X68	GE-66	PTC110	SK3054/196	ECG152	TMI52	WEP745/152	121-987-03
Q645		EP15X68	GE-66	PTC110	SK3054/196	ECG152	TMI52	WEP745/152	121-987-03
Q700		ES15X126	GE-36	PTC129A	SK3439/163A	ECG163A	TMI63A	WEP740/163	121-Z9022
Q980		EP15X10		PTC651*	SK3627/5404*	ECG5404	TM5404*	WEP6324/5404*	185-Z9007*
Y160		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y220		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y282		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y284		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y295		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y315		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y400		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y410		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y420		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y502		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y507		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y610		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y615		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y620		ES16X27	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y635		EU16X11	GE-300	PTC214	SK3175/177	ECG177	TMI77	WEP1062/177	103-131
Y700		EP16X11	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y704		EP16X24	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y715		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y901		EP57X4	GE-504A	PTC202	SK3313/116	ECG116	TM116	WEP158/116	212-76-02
Y902		EP57X4	GE-504A	PTC202	SK3313/116	ECG116	TM116	WEP158/116	212-76-02
Y903		EP57X4	GE-504A	PTC202	SK3313/116	ECG116	TM116	WEP158/116	212-76-02
Y904		EP57X4	GE-504A	PTC202	SK3313/116	ECG116	TM116	WEP158/116	212-76-02
Y942		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y946		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y954		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y972		EP57X4	GE-504A	PTC202	SK3313/116	ECG116	TM116	WEP158/116	212-76-02
Y973		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287
Y974		EP57X5	GE-511	PTC216	SK3843/506	ECG506	TM506	WEP172/506	103-287

\* For SAFETY use only equivalent replacement part.  
\* Lead configuration may vary from original.

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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			
		MFR. PART No.	MALLORY PART No.	SPRAGUE PART No.	
				Q-LINE	GENERAL LINE
# C60	10 25V	EP31X5	VTT10825		EV-1422
# C62	4.7 35V	EP31X64	VTT4R7850	QV1-31	EV-1619.1
# C64	4.7 50V	EP31X64	VTT4R7850	QV1-31	EV-1619.1
# C66	4.7 35V	EP31X64	VTT4R7850	QV1-31	EV-1619.1
C123	1 50V	EP31X16	VTT1A50	QV1-11	EV-1615
C140	1 16V	EP31X49	VTT1A50	QV1-11	EV-1615
C142	220 50V	ES31X32	VTT220M50	QV1-123	EV-1540
C150	.22 25V	EP31X71	TDC224M050EL	QDT1-10	SD50-R229
C170	220 25V	ES31X52	VTT220K25	QV1-119	EV-1340
C175	47 16V	ES31X31	VTT47D16	QV1-73	EV-1226
C176	22 10V	ES31X44	VTT22816	QV1-55	EV-1224
C182	100 50V		VTT100K50	QV1-99	EV-1530
C205	470 50V	EP31X59	VTT470N50	QV1-159	EV-1551
C220	4.7 35V	EP31X11	VTT4R7850	QV1-31	EV-1619.1
C222	1 50V	EP31X16	VTT1A50	QV1-11	EV-1615
C244	4.7 50V	EP31X11	VTT4R7850	QV1-31	EV-1619.1
C276	22 50V	EP31X44	VTT22663	QV1-59	EV-1524
C288	10 50V	EP31X35	VTT10063	QV1-45	EV-1622
C330	4.7 50V	EP31X11	VTT4R7850	QV1-31	EV-1619.1
C352	1 50V	EP31X16	VTT1A50	QV1-11	EV-1615
C374	1 50V	EP31X16	VTT1A50	QV1-11	EV-1615
C376	47 16V	EP31X31	VTT47D16	QV1-73	EV-1226
C52C	1 16V	EP31X49	VTT1A50	QV1-11	EV-1615
C525	47 16V	ES31X31	VTT47D16	QV1-73	EV-1226
C555	47 50V	EP31X45	VTT47J63	QV1-79	EV-1626
C610	.33 50V		TDC334M050EL	QDT1-14	SD50-R339
C615	1 50V	EP31X16	VTT1A50	QV1-11	EV-1615
C628	22 50V	EP31X44	VTT22663	QV1-59	EV-1524
C640	100 50V	EP31X55	VTT100K50	QV1-99	EV-1530
C644	47 50V	EP31X45	VTT47J63	QV1-79	EV-1626
C650	4.7 16V NP	EP31X64	TCN505A*	QEN1-113*	TVAN-1303.1*
C910	220 180V	EP31X67			TVA-1528.2
# C920	330 180V	EP31X66			
# C930	47 160V	EP31X69			
C943	1000 35V	EP31X37			EV-1460
C947	1000 35V	EP31X37			EV-1460
C955	47 50V	EP31X45	VTT47J63	QV1-79	EV-1626
C976	100 50V	EP31X55	VTT100K50	QV1-99	EV-1530
C977	100 16V		VTT100E16	QV1-95	EV-1231

# For SAFETY use only equivalent replacement part.  
\* Axial replacement for radial device.

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA		
			MALLORY PART No.	SPRAGUE PART No.	
				Q-LINE	GENERAL LINE
# C50	470 125VAC	EP18X127			
# C51	470 125VAC	EP18X127			
# C52	470 125VAC	EP18X127			
# C53	470 125VAC	EP18X127			
# C54	470 125VAC	EP18X127			
# C55	470 125VAC	EP18X127			
# C61	.1 50V 10%	EP25X77	EWFO5010		431P1049R5
C101	13 NPO 50V 5%		CN0415		10TCC-Q15
C102	56 NPO 50V 5%		CN0456		10TCC-Q56
C103	3.3pF NPO 50V 5%	EP18X105			
C104	56 NPO 50V 5%		CN0456		10TCC-Q56
C105	13 NPO 50V 5%		CN0415		10TCC-Q15
C106	68 NPO 50V 5%		CN0468		10TCC-Q68
C107	68 NPO 50V 5%		CN0468		10TCC-Q68
C108	10 NPO 50V 5%		CN0410	QCC2-15	10TCC-Q10
C109	27 NPO 50V 5%		CN0427		10TCC-Q27
C110	8.2pF NPO 50V 10%		CN0410	QCC2-15	10TCC-Q10
C111	15 NPO 50V 5%		CN0415		10TCC-Q15
C112	5.6pF NPO 50V 5%		CN0568		10TCC-V68
	3.9pF NPO 50V 5%	EP18X181			
C113	27 NPO 50V 5%		CN0427		10TCC-Q27
	30 NPO 50V 5%		SX430	QW1-14	MMA-300
C114	56 NPO 50V 5%		CN0456		10TCC-Q56
C115	13 NPO 50V 5%		CN0415		10TCC-Q15
C116	27 NPO 50V 5%		CN0427		10TCC-Q27
C117	.02 50V		MAG5012		
	.01 50V		MAG5011		
C121	.01 50V		MAG5011		
C122	.001 50V		GP210	QCT2-41	10TS-D10
C124	.001 50V		GP210	QCT2-41	10TS-D10
C125	.001 50V		GP210	QCT2-41	10TS-D10
C126	68 NPO 50V 5%		CN0468		10TCC-Q68
C128	68 NPO 50V 5%		CN0468		10TCC-Q68
C134	22 50V		CN0422		10TCC-Q22
C136	.01 50V		MAG5011		
C138	.02 50V		MAG5012		
C145	120 N330 50V 5%	EP18X160	*		10TCS-T12
C147	47 50V 5%		CN0447	QCC2-26	10TCC-Q47
C171	.1 25V		EWFO5010		431P1049R5
C172	.047 50V		EWFI1A147	QF1-171	1PB-S47
C174	.0082 50V 10%		EWFI2A282		1PB-D82
	820 50V 10%		GP382		10TS-T82
C177	.22 50V 10%		EWFO5022		431P2249R5

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.

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

ITEM	PART No.	ITEM	PART No.
Bracket, Handle Brace	EP92X58	Cabinet Front; Model 10ABK413W(B01)	EP99X317
Cabinet Back; Models 10AB0402T(B01),V(B01)/405K(B01)/406K(B01), 10ABK413W(B01)	EP98X297	Knob-Color, Tint, Brightness, Contrast	EP43X341
Cabinet Back; Models 10AB0404W(B01)/410W(B01)/411W(B01)	EP98X353	Knob-On/Off/Volume	EP43X338
Cabinet Back; Models 10AB0408W(B01)/409W(B01)	EP98X275	Knob-UHF Fine Tuning	EP43X373
Cabinet Front; Model 10AB0402T(B01)	EP99X276	Knob-UHF Indicator; Models 10AB0402T(B01), V(B01)/404W(B01)/405K(B01)/406K(B01)/409W(B01)/410W(B01)/411W(B01), 10ABK413W(B01)	EP43X374
Cabinet Front; Model 10AB0402V(B01)	EP99X277	Knob-UHF Selector	EP43X391
Cabinet Front; Models 10AB0404W(B01)/410W(B01)/411W(B01)	EP99X330	Knob-VHF Fine Tuning	EP43X272
Cabinet Front; Models 10AB0405K(B01)/406K(B01)	EP99X279	Knob-VHF Selector; Models 10AB0402T(B01), V(B01)/404W(B01)/405K(B01)/406K(B01)/409W(B01)/410W(B01)/411W(B01), 10ABK413W(B01)	EP43X370
Cabinet Front; Models 10AB0408W(B01)/409W(B01)	EP99X280	Knob-VHF Selector; Model 10AB0408W(B01)	EP43X392

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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	3" PM 32 Ohms	EP95X13	30A05Z32	#For SAFETY use only equivalent replacement part.

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA				
		PART No.		BUSS PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F900	4A @ 250V Quick-Acting	EP10X19		MTH4	5682-02	
F950	750mA @ 250V Quick-Acting	EP10X17	EP3X7	AGC-3/4	5682-02	

# For SAFETY use only equivalent replacement part.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
FB600	Ferrite Bead	EP12X2	
FB701	Ferrite Bead	EP12X2	
FB702	Ferrite Bead	EP12X2	
J170	Jack	EP8X49	
# L902	Degaussing Coil	EP36X197	Earphone, Models 10AB0408W(B01)/409W(B01)/410W(B01)/411W(B01)
NE300	Neon Lamp	EP41X18	
P901	AC Cord	EP66X8	Auto Color, Models 10AB0405K(B01)/408W(B01)/409W(B01)
PG/RL2	Connector	EP8X68	2 Pin (Main Board to Speaker)
PG/RL3	Connector	EP8X71	6 Pin (Main Board to Power Supply)
PG/RL4	Connector	EP8X94	7 Pin (Main Board to CRT Socket Board)
PG/RL5	Connector	EP8X85	9 Pin (Main Board to Color Monitor Board)
PG/RL6	Connector	EP8X65	3 Pin (Main Board to Vertical Windings Deflection Yoke)
PG/RL7	Connector	EP8X84	6 Pin (Main Board to Horizontal Output Transistor)
PG/RL8	Connector	EP8X94	7 Pin (Main Board to Horizontal Output Transformer)
PG/RL9	Connector	EP8X31	4 Pin (Horizontal Output Transistor to Horiz Output Transformer)
PG/RL10	Connector	EP8X41	3 Pin (PG9 to Horiz Windings Deflection Yoke) Male and Female.
PG/RL12	Connector	EP8X65	3 Pin (Main Board to CRT Filament)
PG/RL15	Connector	EP8X41	3 Pin (CRT to Screen Controls) Male and Female.
PG/RL19	Connector	EP8X29	3 Pin (CRT to Screen Controls) Plug only.
PG/RL28	Connector	EP8X29	3 Pin (Speaker to Earphone) Male and Female.
PG28	Connector	EP8X29	3 Pin (Color Monitor Switch to Color Monitor Lamp) Male and Female.
# S175	Switch	EP8X129	3 Pin (Color Monitor Switch to Color Monitor Lamp) Plug only.
	Switch	EP49X297	Power On/Off (Part of Volume Control R175), Models 10AB0408W(B01)/409W(B01)
	Switch	EP49X288	Power On/Off (Part of Volume Control R175), Models 10AB0402T(B01), V(B01)/405K(B01)/406K(B01).
	Switch	EP49X364	Power On/Off (Part of Volume Control R175), Models 10AB0404W(B01)/410W(B01)/411W(B01), 10ABK413W(B01).
S300	Switch	EP39X98	Auto Color
V401	CRT	10VAHP22	
X300	Crystal	EP41X10	3.58MHz
X530	Crystal	EP41X53	503.5kHz
	Anode Connector	EP8X37	
	Air Gap	EP60X13	
	Antenna Terminal	EP37X22	Bracket Assembly
	Antenna UHF	EP83X13	RUSSELL Replacement Loop BOW-1H
	Antenna VHF	EP83X14	RUSSELL Replacement Assembly POR-7H
	Cable	EP8X97	UHF/VHF
	Connector	ES8X6	Phono Plug
	Earphone	EP90X22	Model 10AB0409W(B01)
	Earphone	EP90X2	Models 10AB0408W(B01)/411W(B01)
	P.C. Board	EP93X125	Color Monitor
	P.C. Board	EP93X124	CRT Socket
	Pillow Speaker	EP90X22	Models 10AB0410W(B01)/411W(B01)
	Socket	EP34X33	CRT
	Tuner UHF	EP85X65	
	Tuner VHF	EP86X61	Models 10AB0402T(B01), V(B01)/405K(B01)/406K(B01)/408W(B01)/409W(B01)
	Tuner VHF	EP86X64	Model 10ABK413W(B01)
	Tuner VHF	EP86X71	Models 10AB0404W(B01)/410W(B01)/411W(B01)

# For SAFETY use only equivalent replacement part.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

CAPACITORS (cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA		
			MALLORY PART No.	SPRAGUE PART No.	
				Q-LINE	GENERAL LINE
C178	120 NPO 50V 5%		CN0312		10TCC-T12
C179	470 50V 10%		GP347		10TS-T47
C181	22 NPO 50V 5%		CN0422	QCT2-35	10TCC-Q22
C183	91 NPO 50V 5%		SX491	QW1-26	MMA-910
C184	.047 50V		EWFI1A147	QF1-171	1PB-S47
C185	.047 50V		EWFI1A147	QF1-171	1PB-S47
C186	150 NPO 50V 5%		CN0315		10TCC-T15
C188	120 NPO 50V 5%		CN0312		10TCC-T12
C189	8.2pF NPO 50V 10%		CN0410	QCC2-15	10TCC-Q10
C213	68 NPO 50V 5%		CN0468		10TCC-Q68
C214	47 NPO 50V 5%		CN0447	QCC2-26	10TCC-Q47
C223	680 N750 50V 5%	EP18X140			10TCU-T68
C233	120 50V 5%		CN0312		10TCC-T12
	22 500V 5%		CN0422		10TCC-Q22
	120 500V 5%		CN0312		10TCC-T12
C234	.068 50V 10%		EWFI1A168	QF1-195	1PB-S68
C240	.1 50V 10%		EWFO5010		431P1049R5
C246	.1 50V 10%		EWFO5010		431P1049R5
C281	.05 50V		MAG5015		
C283	.1 50V 10%		EWFO5010		431P1049R5
C284	.05 50V		MAG5015		
C286	.001 50V 10%		GP210	QCT2-41	10TS-D10
C287	.1 50V 10%		EWFO5010		431P1049R5
C295	5.1pF 500V 5%		GP550		
C296	22 NPO 50V 5%	EP18X76	CN0422		10TCC-Q22
C298	.1 25V		EWFO5010		431P1049R5
C312	.0018 50V 10%		SX218		MWC-182
C314	430 50V 5%		SX343		MWB-431
C315	.01 50V		MAG5011		
C320	.02 50V 10%		PVC212		2PS-S20
C328	.02 50V 10%		PVC212		2PS-S20
C334	39 NPO 500V 5%		CN0439		10TCC-Q39
C336	68 NPO 50V 5%		CN0468		10TCC-Q68
C338	120 N750 50V 5%				10TCU-T12
C340	68 NPO 50V 5%		CN0468		10TCC-Q68
C342	18 NPO 50V 5%		CN0418		10TCC-Q18
C344	.01 50V		MAG5011		
C350	.01 50V		MAG5011		
C354	30 NPO 50V 5%		SX430	QW1-14	MMA-300
C356	47 500V 5%		CN0447	QCC2-26	10TCC-Q47
C358	.01 50V		MAG5011		
C360	220 50V 10%				10TCC-T22
C362	100 N750 50V 5%		CN7310		10TCU-T10
C363	18 NPO 50V 5%		CN0418		10TCC-Q18
C364	10 50V		CN0410	QCC2-15	10TCC-Q10
C366	47 500V 5%		CN0447	QCC2-26	10TCC-Q47
C368	270 50V 10%				10TCC-T27
C370	.01 50V		MAG5011		
C372	.01 50V		MAG5011		
C377	.1 50V		EWFO5010		431P1049R5
C380	470 500V 10%		GP347	QCT2-35	10TS-T47
C382	470 500V 10%		GP347	QCT2-35	10TS-T47
C384	470 500V 10%		GP347	QCT2-35	10TS-T47
C400	.1 200V 10%		EWFO2010		2PB-P10
C402	820 50V 10%		GP382		10TS-T82
C404	10 NPO 50V 5%		CN0410	QCC2-15	10TCC-Q10
C406	820 50V 10%		GP382		10TS-T82
C416	820 50V 10%		GP382		10TS-T82
C426	820 50V 10%		GP382		10TS-T82
C436	.01 125VAC	ES22X4	UAC110		125L-S10
C502	.1 50V 10%		EWFO5010		431P1049R5
C504	470 500V 10%		GP347	QCT2-35	10TS-T47
C506	.22 50V 10%		EWFO5022		431P2249R5
C507	.0056 50V 10%		M192P5629R8		192P5629R8
C517	.001 50V 10%		GP210	QCT2-41	10TS-D10
C518	.1 50V 10%		EWFO5010		431P1049R5
C519	.047 50V 10%		EWFI1A147	QF1-171	1PB-S47
C521	.01 50V		MAG5011		
C523	120 N750 50V 5%				10TCU-T12
C524	.001 50V 10%		GP210	QCT2-41	10TS-D10
C526	.027 50V 10%		M192P2739R8		192P2739R8
C527	.1 50V 10%		EWFO5010		431P1049R5
C528	.01 50V		MAG5011		
C532	150 50V 10%		CN0315		10TCC-T15
C534	.047 50V 10%		EWFI1A147	QF1-171	1PB-S47
C550	.001 500V		GP210	QCT2-41	10TS-D10
C551	.01 100V 10%		EWFI1A110	QF1-91	1PB-S10
C610	.33 100V 10%		EWFI1A033	QF1-273	1PB-P33
C620	56 NPO 50V 5%		CN0456		10TCC-Q56
C625	470 500V 10%		GP347	QCT2-35	10TS-T47
C700	.0047 1.2KV 5%	EP25X79			
C701	.01 2KV	EP18X128			
C703	.01 1KV				30GA-S10
C710	3uF 250V 10%	EP25X33	GP110	QC1-149	5GA-S10
C715	330 500V 5%				
C750	.001 1.4KV		GP333	QCT2-33	10TS-T33
C752	.001 1.4KV		PVC1621		16PS-D10
C754	.001 1.4KV		PVC1621		16PS-D10
C900	.01 125VAC	ES22X4	UAC110		125L-S10
C901	.0022 500V 10%		GP222	QCT2-46	10TS-D22
C902	.0022 500V 10%		GP222	QCT2-46	10TS-D22
C903	.0022 500V 10%		GP222	QCT2-46	10TS-D22
C904	.0022 500V 10%		GP222	QCT2-46	10TS-D22
C911	.047 200V 10%		EWFI147		4PB-S47

GENERAL ELECTRIC  
CHASSIS AB-8

FOLDER 1

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

## CAPACITORS (cont)

#For SAFETY use only equivalent replacement part.  
\*Not normally in distributor's stock. Available thru distributor on order to manufacturer.

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA		
			MFGR. PART No.	MALLORY PART No.	TRW PART No.
R150	RF AGC	10K	EP49X289	MTC14L1	X201R103B
R175A	Volume/Switch	10K	EP49X297(18) 73C183072-6(5)		
	Volume/Switch	10K	EP49X288 73B140169-92(5)(19)		
R215	Volume/Switch	15K	EP49X364(20)		
	Contrast	2500	EP49X292 73B141606-1(5)		
	Contrast	5000	EP49X293 73B141606-2(5)		
R227	Brightness	2500	EP49X292 73B141606-1(5)		
R324	Chroma APC	5000	EP49X299	MTC53L1	X201R502B
R364	Tint	1000	EP49X298		
R36B	Color	25K	EP49X294		
R610	Vert Size	500K	EP49X291	MTC55L1	X201R504B
R616	Vert Centering	10K	EP49X289	MTC14L1	X201R103B
R710	Focus	1.5Meg	EP49X91 73B140142-44(5)	FC1	FC156L
	Focus	20Meg	EP49X339		
R715	Horiz Centering	100	EP49X321		
R750	Red Screen	1Meg	EP49X131	PTA16L or [RU16L,SL37, SN1000]	BU11,CF17,SS6A
R752	Green Screen	1Meg	EP49X131	PTA16L or (RU16L,SL37, SN1000]	BU11,CF17,SS6A
R754	Blue Screen	1Meg	EP49X131	PTA16L or (RU16L,SL37, SN1000]	BU11,CF17,SS6A

(5) Number on unit.  
(18) Used in Models 10AB0408W(B01)/409W(B01).  
(19) Used in Models 10AB0402T(B01), V(B01)/405K(B01)/406K(B01).  
(20) Used in Models 10AB0404W(B01)/410W(B01)/411W(B01), 10ABK413W(B01).

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		MFGR. PART No.	WORKMAN PART No.			MFGR. PART No.	WORKMAN PART No.
# R50	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	R524	470 1% 1/4W Carbon	ES14X58	
# R51	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	# R551	560 10% 2W WW	EP14X102	
# R52	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	# R701	180K 5% 1/2W Carbon	EP14X196	22-215D
# R53	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	# R705	240Meg Tap @ 40Meg	EP14X172	
# R54	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	# R716	6.8 5% 2W Metal Oxide	EP14X150	
# R55	2.2Meg 10% 1/2W Carbon	EP14X241	22-2176	# R800	150 5% 1/2W Carbon	(1)	
# R170	22 5% 1/2W Carbon		22-2056	# R902	12.6 Cold PTC	EP14X113	FR605
R240	1100 2% 1/4W Carbon	EP14X189		R904	3 5% 10W WW	EP14X258	
R241	5600 2% 1/4W Carbon	EP14X180		# R906	50 5% 15W WW	EP14X174	
R244	1800 2% 1/4W Carbon	EP14X190		# R930	150 5% 1/2W Carbon	EP14X120	22-2076
R502	5600 2% 1/4W Carbon	EP14X180		# R970	1.3 5% 2W Metal Oxide	EP14X178	
				# R980	750 5% 3W Metal Oxide	EP14X89	

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

# For SAFETY use only equivalent replacement part.

# For SAFETY use only equivalent replacement part.  
(1) Part of Horiz Output T700.

# For SAFETY use only equivalent replacement part.  
(1) Number on unit.