

CABINET-REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove main power knob from cabinet front. Remove seven screws from cabinet back. Remove back and release latches holding antenna terminal assembly to cabinet back. Disconnect HV anode, CRT socket, deflection yoke connector G, degaussing coil connector B, speaker connector D, main power indicator C and ground leads.

Remove eight screws holding tuning assembly, volume/on-off assembly and remote receiver. Remove assemblies from cabinet. Channel indicator lamps are now accessible for servicing.

Slide main chassis out of cabinet part way and remove screws holding main power switch and indicator to cabinet front. Remove chassis from cabinet.

CRT REMOVAL

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

SERVICING IN THE FIELD

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Hold Control. (See Placement Chart.)

FOCUS

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

AGC

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

CRT IMPLSION PROTECTION AND CLEANING

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

FUSE DEVICES

A 3-amp fuse is used for AC line protection.

LAMP ACCESSIBILITY

Tuner assembly must be removed. See Disassembly Instructions.



Model 3373

SAFETY PRECAUTIONS

See page 4.

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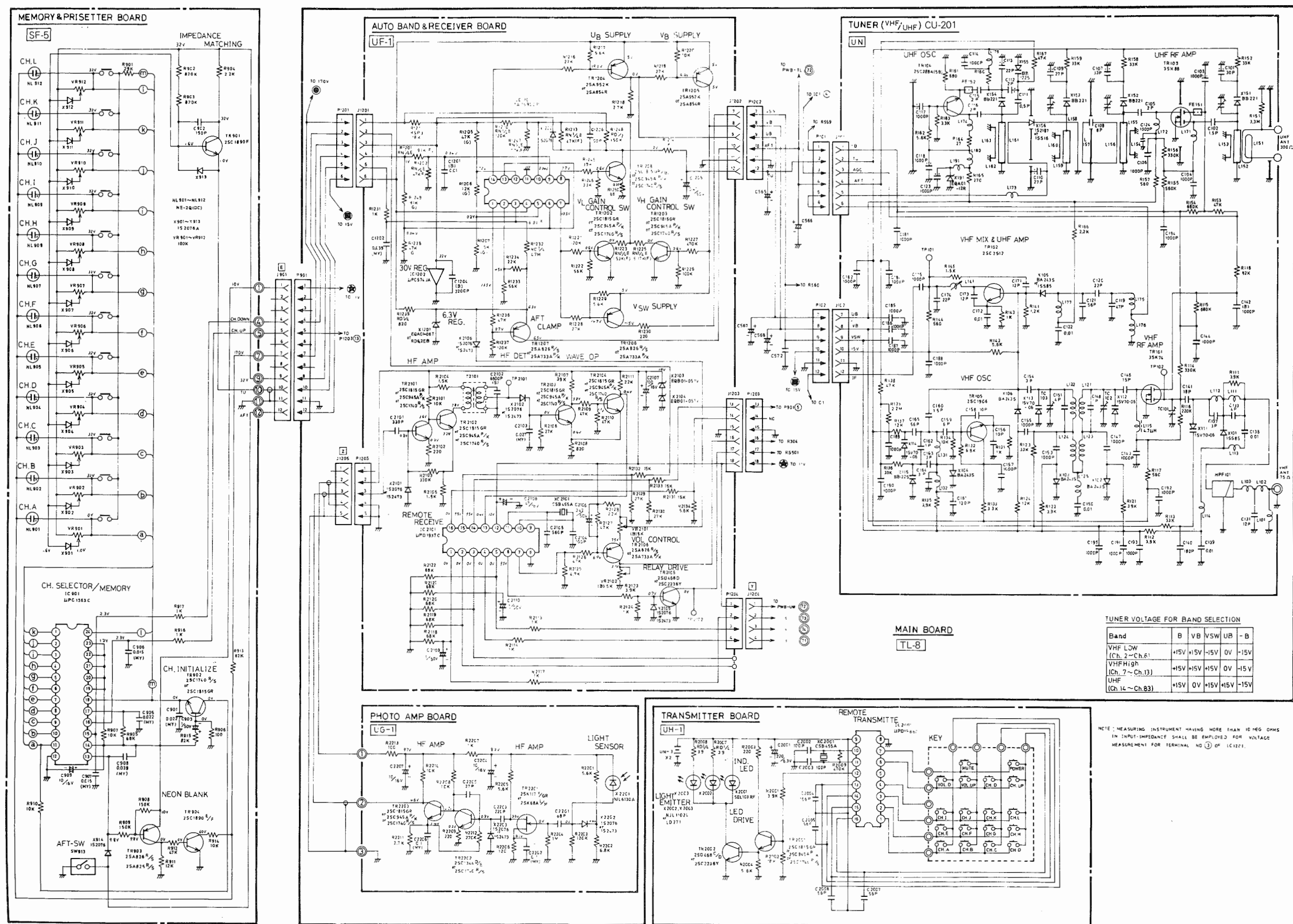
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HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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. 81PD01157

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DATE 9-81 SET 2013 FOLDER 3

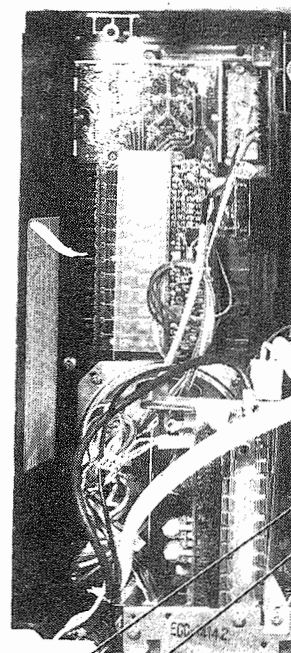


SENSOR TUNER UNIT SCHEMATIC DIAGRAM

Courtesy of the Manufacturer

CHANNEL SELECTOR-TUNER-REMOTE

CHANNEL SELECTOR-TUNER-REMOTE



RED GREEN DRIVE AGC

DISASSEMBLY INSTRUCTION

CHASSIS REMOVAL

Remove main power knob from cabinet.
Remove seven screws from cabinet back and release latches hold cabinet assembly to cabinet back.
Remove anode, CRT socket, deflection yoke, degaussing coil connector B, D, main power indicator C and remove them from chassis.

Remove eight screws holding volume/on-off assembly and remove it from chassis.
Remove assemblies from cabinet and the indicator lamps are now accessible.

SERVICING IN THE FIELD

HORIZONTAL OSCILLATOR

Adjustment of the horizontal oscillator is accomplished by the proper setting of the Horizontal Control. (See Placement Chart for details.)

FOCUS

The focus may be varied by the proper setting of the Focus Control. (See photo, Cabinet-Rear View.)

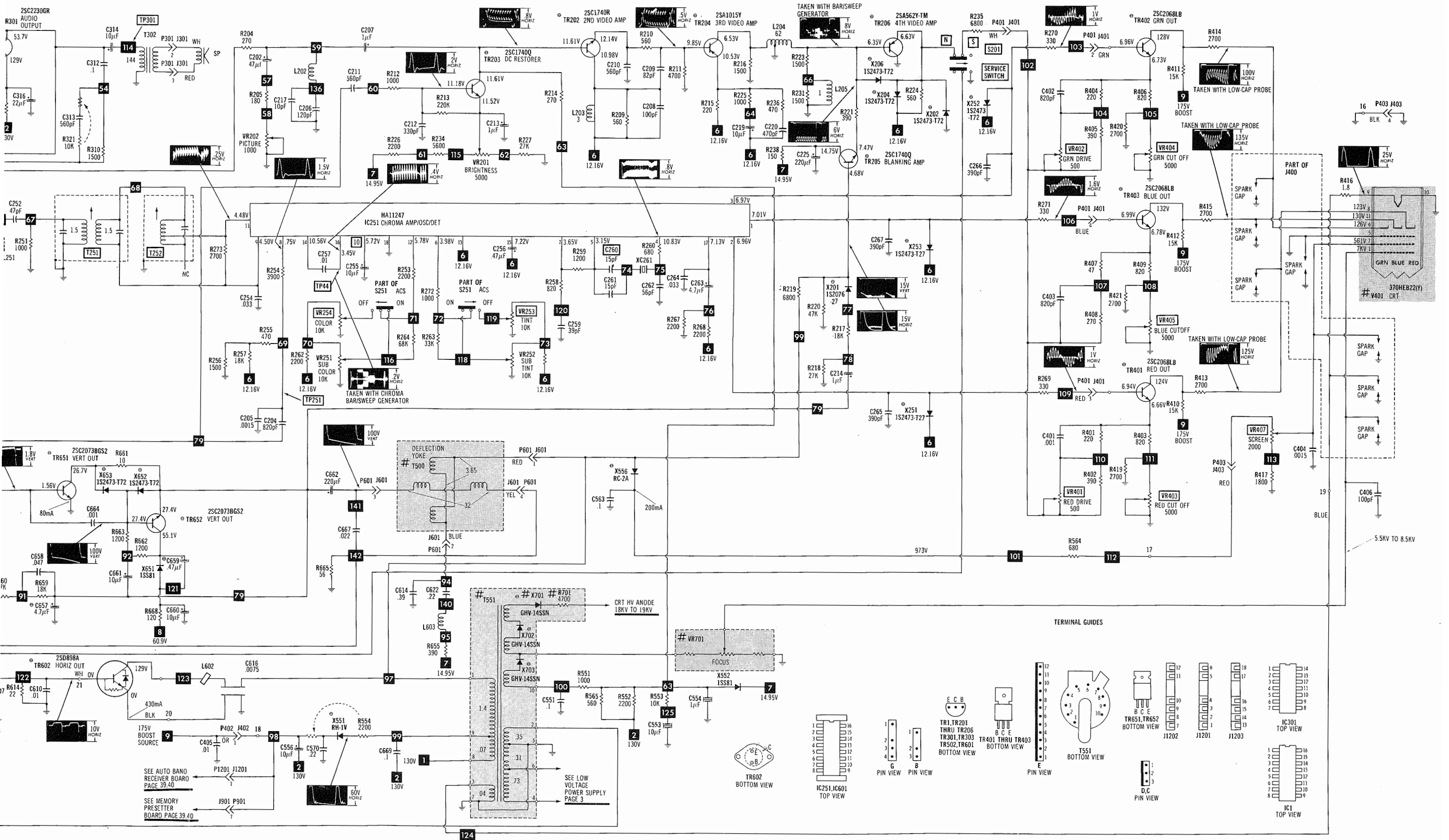
AGC

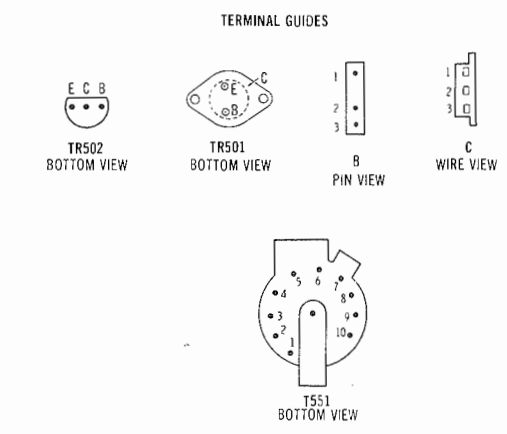
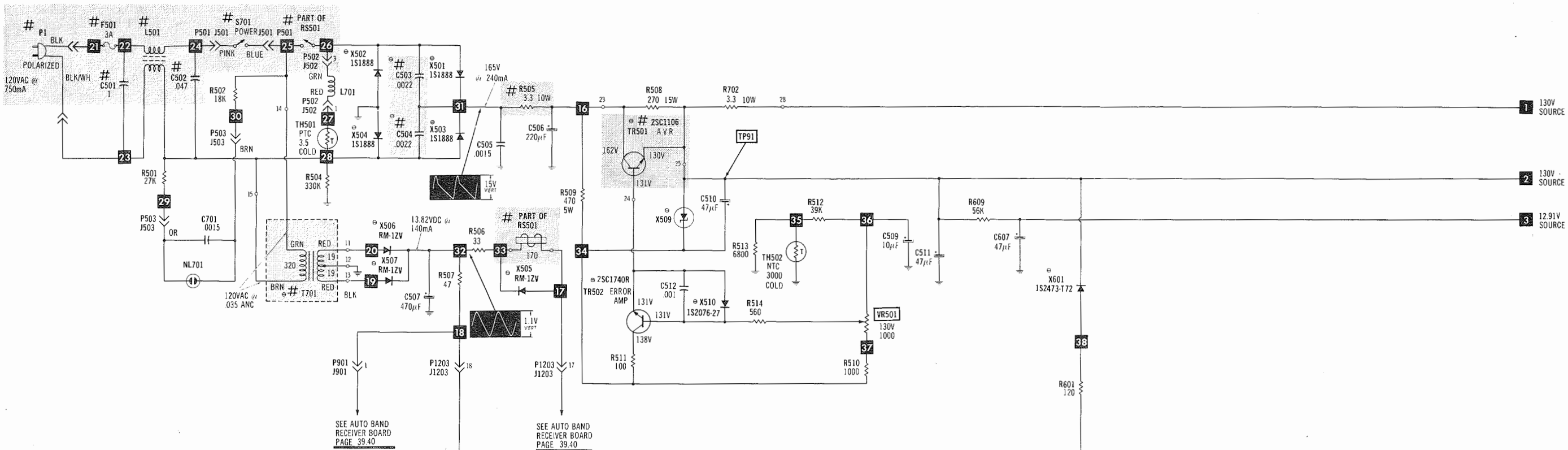
The AGC may be varied by the proper setting of the AGC Control. (See photo, Cabinet-Rear View.)

CTE/TEKNIKA
MODELS 5373/3373

FOLDER 3







For SAFETY use only equivalent replacement part.

--- Circuitry not used in some versions

- - - Circuitry used in some versions

⊕ See parts list

※ Nominal value

⊥ Ground

Waveforms: triggered scope, keyed rainbow generator

Item numbers in rectangles appear in the alignment/adjustment instructions.

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Terminal identification may not be found on unit.

Resistors are 1/2W or less, 5% unless noted.

Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH **CIRCUITRACE**

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CITEK/TEKNIKA
MODELS 5373/3373

FOLDER 3

SAFETY PRECAUTIONS

1. IMPORTANT SERVICE SAFETY INFORMATION

WARNING: An isolation transformer must be used between the AC supply and the AC plug of the television receiver before servicing or testing is performed on this receiver, since the chassis and the heat-sink are directly connected to one side of the AC line which could present a shock hazard. For sets in which three-wire power cords are employed, the grounding pin of the AC plug must be connected to an electrical ground (only on applicable sets). The chassis of the receiver should never be connected to the ground. Before servicing is performed, read all the precautions labelled on the CRT, chassis, cabinet and on the inside of the rear cover of the television set.

X-RAY RADIATION WARNING NOTICE

WARNING: PARTS WHICH INFLUENCE X-RAY RADIATION IN HORIZONTAL DEFLECTION, HIGH VOLTAGE CIRCUITS AND PICTURE TUBE, ETC., ARE INDICATED BY (#) IN THE PARTS LIST. FOR REPLACEMENT PURPOSES, USE ONLY THE TYPE SHOWN IN THE PARTS LIST.

PRODUCT SAFETY NOTICE

WARNING: FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER RECOMMENDED PARTS. THESE PARTS ARE IDENTIFIED BY SHADING AND BY (#) ON THE SCHEMATIC DIAGRAM.

The manufacturer's warranty and liabilities will be void if any unauthorized modifications, alterations or additions are made.

For replacement purposes, use the same type or specified type of wire and cable, ensuring that the positioning of the wires is followed (especially for H.V. and power supply circuits). Use of alternative wiring or positioning could result in damage to the set or in a shock or fire hazard.

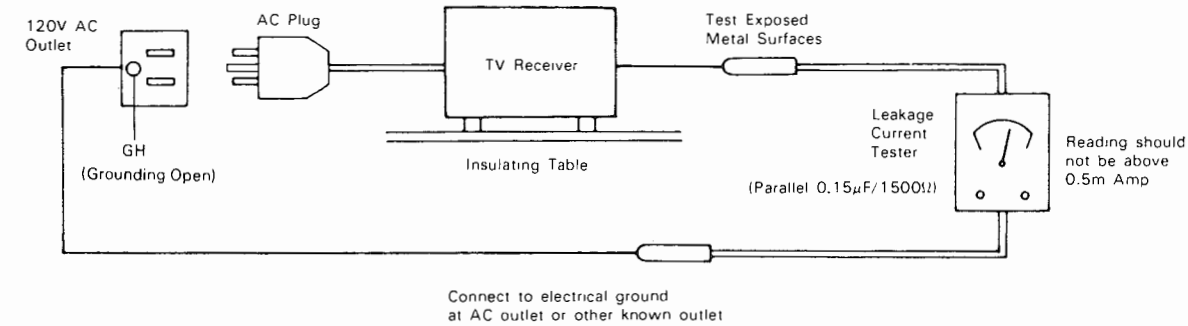
The picture tube used in this receiver employs integral implosion protection and should be replaced with a tube of the same type number for continued safety.

When handling the CRT, shatter-proof goggles must be worn after completely discharging the high voltage circuit. Do not lift the picture tube by the neck.

WARNING: BEFORE RETURNING THE RECEIVER TO THE CUSTOMER PERFORM THE FOLLOWING SAFETY CHECKS IN ITEM 1 AND 2 FOR THE CONTINUED SAFETY OF THE SERVICEMAN AND CUSTOMER.

1. Leakage Current Test:

Plug the AC power cord directly into a 120V AC outlet. (Do not use an isolation transformer for this test.) Use a Leakage Current Tester or a metering system which complies with Underwriters Laboratories (UL 1410 Para. 50) or CSA (Electrical Bulletin No. 1095). Measure the current flowing from all exposed metal parts of the cabinet, including the rear cover, (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shaft, etc.) to the ground pin of an AC outlet or to a known ground (water-pipe, conduit, etc.). This leakage test should be performed with the AC switch ON and repeated with the AC switch OFF. The measured current must be less than 0.5 milliamp. Any measurements not within the limits outlined above are indicative of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



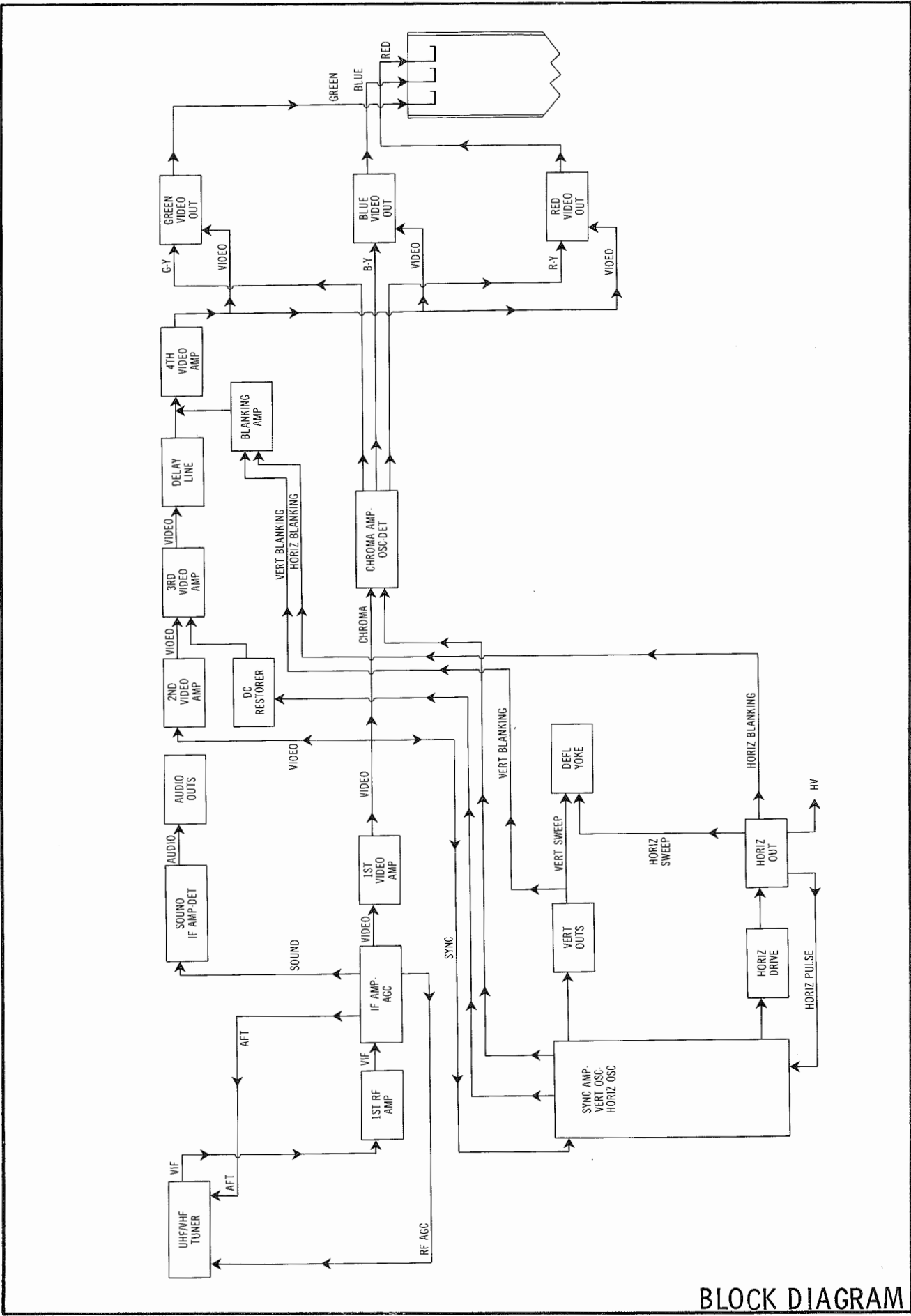
2. Resistance Test:

With the AC plug removed from the 120 AC outlet, place a jumper across the two attachment plug prongs except Grounding Pin. Turn the switch ON. Using an ohmmeter, connect one lead to the jumpered AC plug and touch the other lead to each exposed antenna terminal screw or coaxial connector (when applicable), and to any exposed metal parts. The resistance measured should not be less than 1.0 megohm or greater than 5.2 megohms. Any resistance value below or above this range indicates an abnormality which requires corrective action. Repeat the test with the AC switch in the OFF position.

3. Wire Routine:

In case of removing Wire Clamp in Service, make sure to return Clamp and Wiring routes to original position after working.

Courtesy of the Manufacturer



BLOCK DIAGRAM

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: Fuse,X501 thru X507,X509,X510,AVR,Error Amp,X551,X553 thru X556.

NO PIC, NO SOUND, HAS RASTER: Tuner,1st RF Amp,IF Amp(IC1).

NO PIC, NO SOUND, HAS SNOW: Tuner,AGC (IC1).

NO PIC, HAS SOUND, NO RASTER: 2nd/3rd/4th Video Amp,DC Restorer,Blanking Amp,CRT.

NO PIC, HAS SOUND, HAS RASTER: 1st/2nd/3rd/4th Video Amps.

HAS PIC, NO SOUND: Sound IF Amp-Det (IC301),Audio Outs.

OVERLOADED PICTURE: AGC(IC1).
 LOW OR EXCESSIVE BRIGHTNESS: Video Amps, Blanking Amp,X201.

SYNC

NO VERT SYNC: Vert Osc(IC601).
 NO HORIZ SYNC: Horiz Osc(IC601).
 NO VERT/HORIZ SYNC: Sync Amp(IC601).

RASTER

YELLOW (NO BLUE): Chroma Amp(IC251),X253, Blue Video Out,CRT.

CYAN (NO RED): Chroma Amp(IC251),X251,Red Video Out,CRT.

MAGENTA (NO GREEN): Chroma Amp(IC251),X252, Green Video Out,CRT.

SWEEP

NO RASTER, HAS SOUND: HV Rect(T551),CRT.
 NO RASTER, NO SOUND: Horiz Osc(IC601)/ Drive/Out.

NO VERT DEFLECTION: Vert Osc(IC601),Vert Outs,X651,X652,X653.

POOR VERT LIN OR FOLDOVER: Vert Outs, X651,X652,X653.

POOR HORIZ LIN OR FOLDOVER: Horiz Drive/ Out.

NARROW PICTURE: Horiz Drive/Out.
 VERT OFF FREQUENCY: Vert Osc(IC601).
 HORIZ OFF FREQUENCY: Horiz Osc(IC601).

COLOR (B/W operating normally)

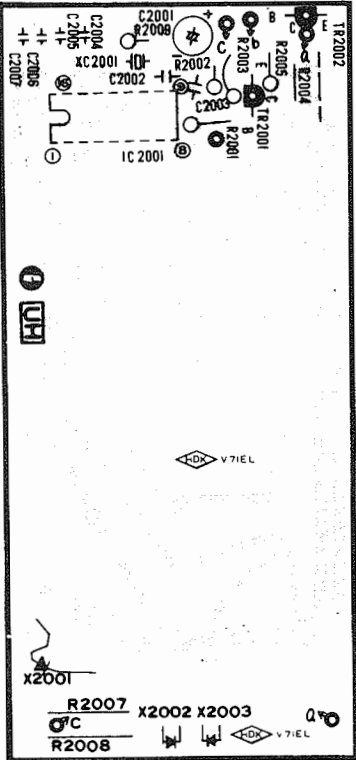
NO COLOR: Chroma Amp(IC251).
 WEAK COLOR: Chroma Amp(IC251).
 NO COLOR SYNC: Chroma Amp-Osc-Det(IC251).
 NO GREEN: Chroma Amp(IC251),X252, Green Video Out.

NO BLUE: Chroma Amp(IC251),X253,Blue Video Out.

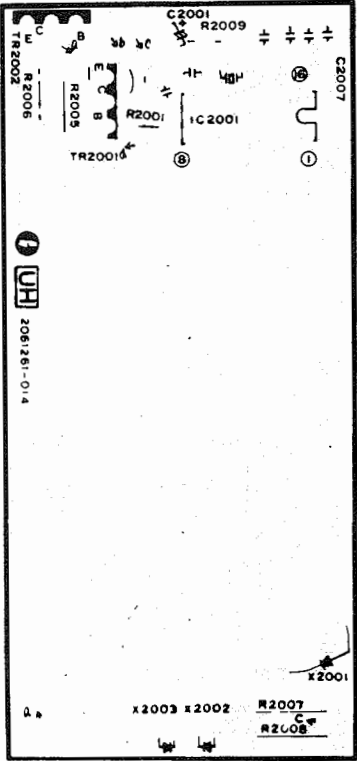
NO RED: Chroma Amp(IC251),X251,Red Video out.

INCORRECT HUE (TINT): Chroma Amp(IC251).

TRANSMITTER (UH-1)

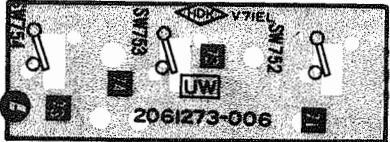


Top View
 Fig. 35-a

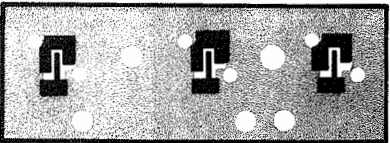


Bottom View
 Fig. 35-b

SW BOARD (UW)



Top View
 Fig. 36-a



Bottom View
 Fig. 36-b

TRANSMITTER-SWITCH BOARD

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
VHF Tuner IF Output Coil, T1, T2, T3, T201, T251,
T252, T301 9440

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 +7.5 volt to +8 volt bias to TP14.
Open Tuning Door (AFT-Off).

VIDEO IF ALIGNMENT (SWEEP MARKER GENERATOR)

DIRECT PROBE FROM SWEEP/MARKER GENERATOR	SWEEP GENERATOR OUTPUT	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
To TP12F	To TP1 (Terminal 6 of P101)	44MHz (10MHz Sweep)	41.25MHz 42.17MHz 44.00MHz 45.75MHz 47.25MHz	Adjust T1 to bottom of coil. Adjust T2 for maximum gain at 45.75MHz. Adjust T1 for maximum gain at 45.75MHz. Adjust VHF Tuner IF Output Coil for maximum gain at 45.75MHz. See Figure 1.

VIDEO IF ALIGNMENT (BAR SWEEP GENERATOR)

BAR SWEEP GENERATOR	SCOPE INPUT	REMARKS
To TP1 (Terminal 6 of P101)	To TP12F	Perform Video IF Adjustments per SWEEP/MARKER GENERATOR instructions above. See Figure 2.

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 T201 and T252 for MINIMUM beat interference.

SOUND IF ALIGNMENT

Tune in a station and adjust T301 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 T301.

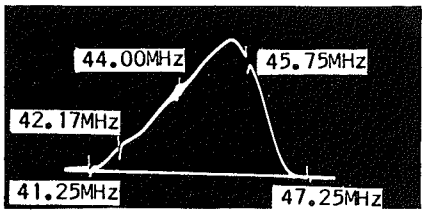


Figure 1

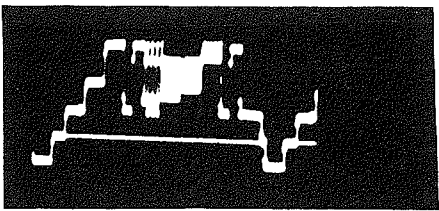
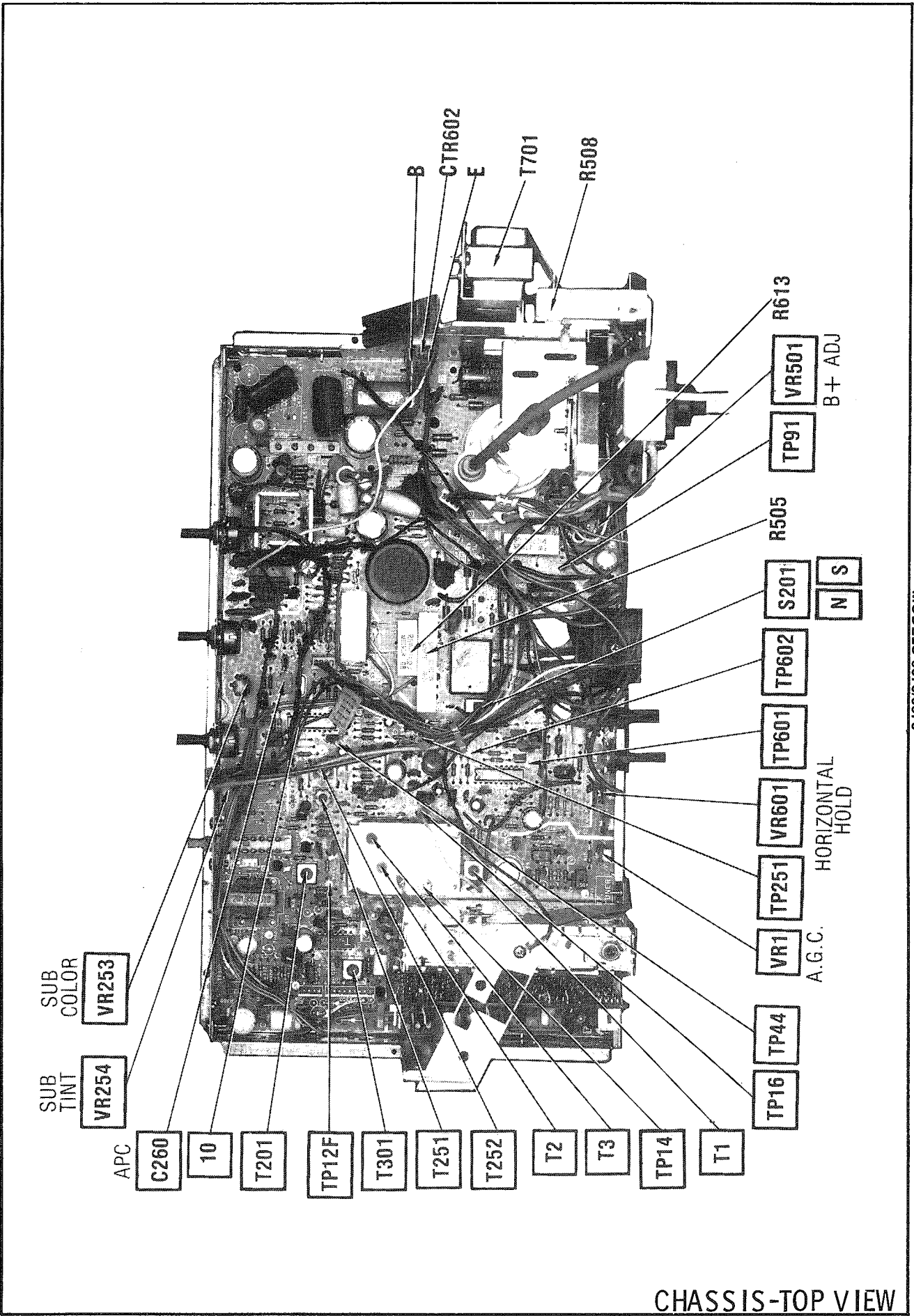
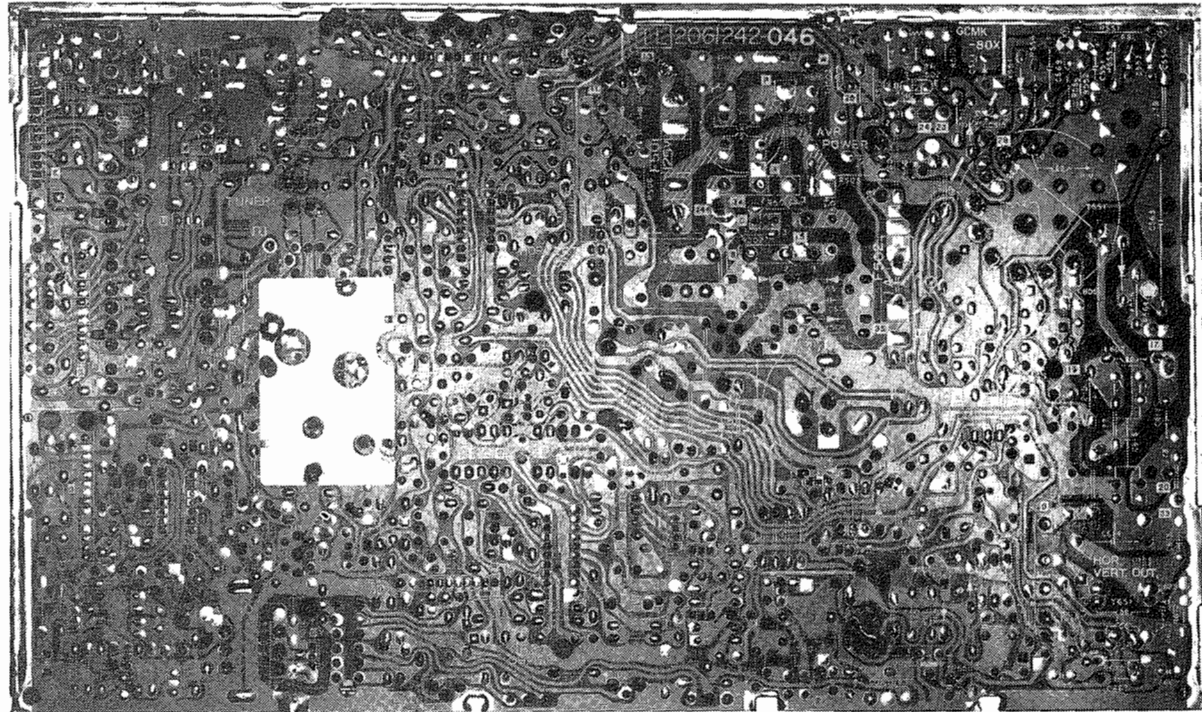
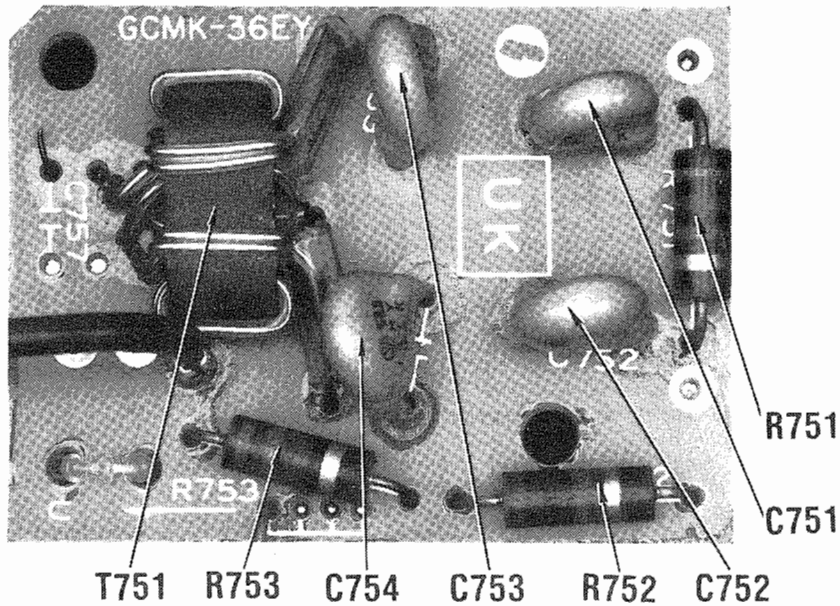


Figure 2





MAIN BOARD-SHIELD LOCATION



ANTENNA TERMINAL BOARD

A Howard W. Sams CIRCUITRACE® Photo

TV ALIGNMENT INSTRUCTIONS (Continued)

AUTOMATIC FINE TUNING ALIGNMENT

Connect as explained in preliminary instructions unless specified otherwise.				
DIRECT PROBE FROM SWEEP/MARKER GENERATOR	SWEEP GENERATOR OUTPUT	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
To TP16	To TP1 (Terminal 6 of P101)	44MHz (10MHz Sweep)	45.75MHz	Adjust T3 to place 45.75MHz marker at crossover. See Figure 3.

CHROMA BANDPASS ALIGNMENT (SWEEP MARKER GENERATOR)

Connect as explained in preliminary instructions. Set color control to maximum, tint control to midrange. Connect a jumper from TP251 (Junction of R254 and R255) to ground. Connect a +5 volt ± 2 volt bias to Pin 10 of IC251.				
DETECTOR PROBE FROM SWEEP/MARKER GENERATOR	SWEEP GENERATOR OUTPUT	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
To TP44	To TP1 (Terminal 6 of P101)	44MHz (10MHz Sweep)	3.08MHz 3.58MHz 4.08MHz	Adjust T251 for maximum gain and symmetry of response. See Figure 4. Inability to obtain proper bandpass alignment may be due to misadjustment of the 4.5MHz trap. Adjust T201 and T252 for MINIMUM at 4.5MHz.

CHROMA BANDPASS ALIGNMENT (BAR SWEEP GENERATOR)

BAR SWEEP GENERATOR	SCOPE INPUT	REMARKS
To TP1 (Terminal 6 of P101)	To TP44	Perform CHROMA BANDPASS Adjustments per SWEEP/MARKER GENERATOR instructions above. See Figure 5.

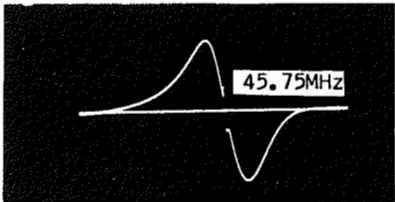


Figure 3

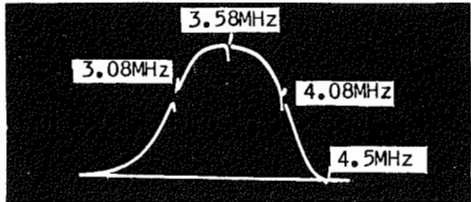
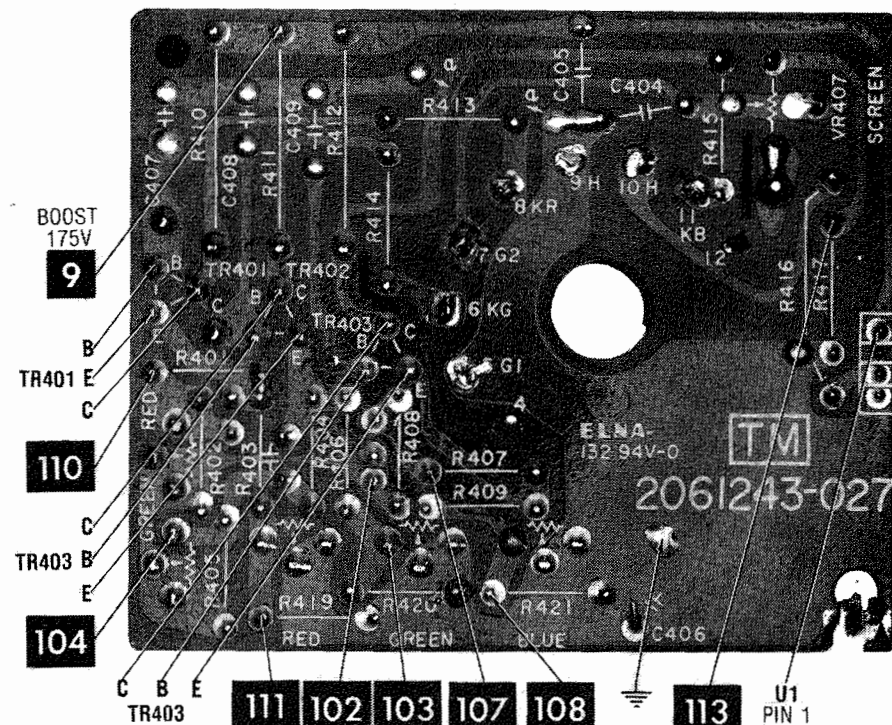
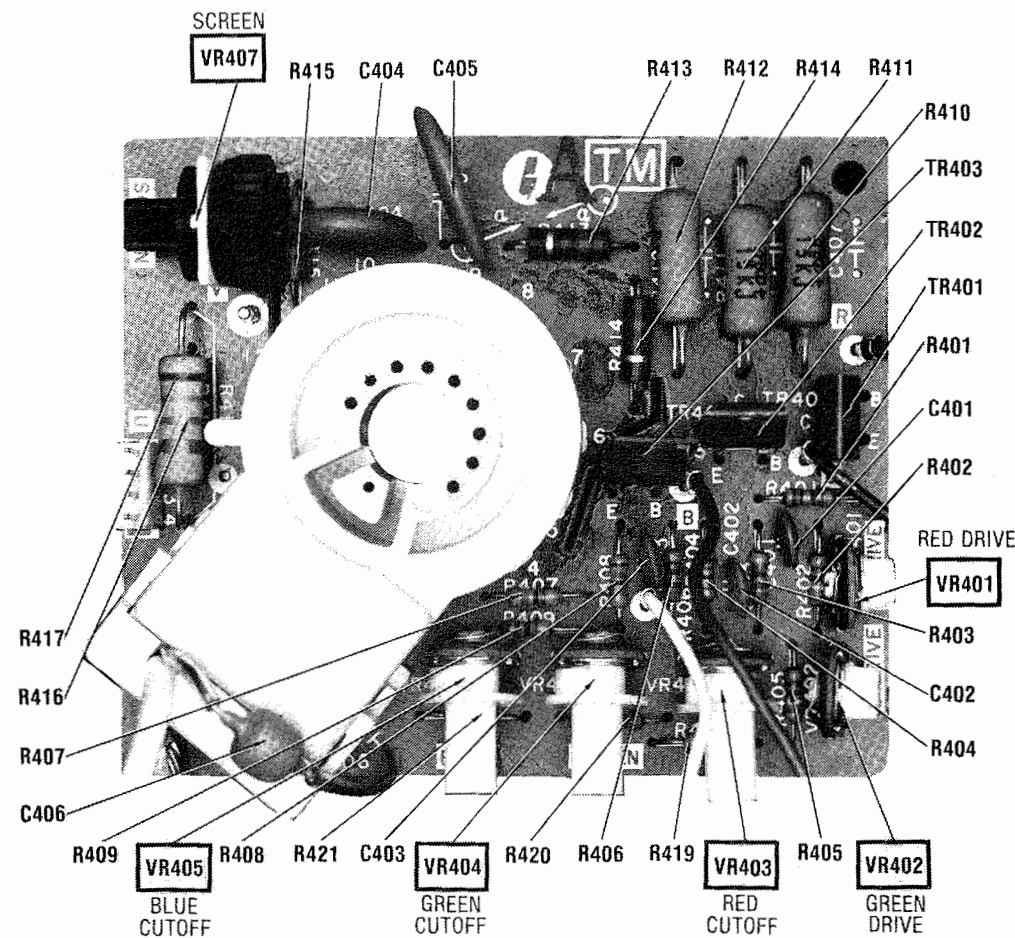


Figure 4



Figure 5



CRT SOCKET BOARD

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MISCELLANEOUS ADJUSTMENTS

+130 VOLT ADJUSTMENT

Operate receiver for at least 15 minutes. Set Brightness and Contrast Controls to maximum. Connect a DC meter to TP91 (junction of R508 and Emitter of TR501) low side to ground. Adjust 130V Adjust Control (VR501) for +130 volts @ 120 volts AC line.

HIGH VOLTAGE CHECK

Set Brightness and Picture Controls to maximum. Operate receiver for at least 15 minutes. Connect a high voltage meter to the picture tube anode. High voltage should measure 18.5KV $\pm 0.8KV$.

AGC ADJUSTMENT

Tune in a strong VHF station, close Tuning Door (AFT On). Adjust AGC Control (VR1) fully clockwise then slowly counterclockwise until snow disappears from picture. Check all channels for overload.

CHANNEL SELECTION

Twelve selector buttons are provided for channel selection, with twelve thumbwheels for channel pre-tuning and fine tuning.

CHANNEL PRE-TUNING

Momentarily depress selector button for channel to be pre-tuned, adjust corresponding thumbwheel as necessary for fine tuning.

APC ADJUSTMENT

Connect a color bar generator to the antenna terminals and tune in a color bar pattern. Set color control to maximum, tint control to mid-range. Connect a jumper from TP251 to ground. Adjust APC Control (C260) until the color bars synchronize on the picture tube. Remove jumper.

ACS (SWITCH) ADJUSTMENTS

Set ACS Switch to Off. Tune in a color picture, close tuning door. Set ACS Switch to On. Adjust Sub Color Control (VR254) for proper color saturation and Sub Tint Control (VR253) for proper skin tones.

PURITY ADJUSTMENT

Turn TV on and allow 15 minutes warm up time. Degauss picture tube if necessary. Set Green Cut Off Control (VR404) fully counterclockwise, adjust Red (VR403) and Blue (VR405) Cut Off Control to achieve a magenta screen. Loosen the deflection yoke, slide back to convergence assembly. Adjust purity tabs to place the magenta bar at the center of the screen. Slide yoke slowly forward until the screen is a uniform magenta color.

BLACK AND WHITE TRACKING

Tune TV to an unused channel. Rotate Red (VR403), Green (VR404) and Blue (VR405) Cut Off Controls fully counterclockwise. Rotate Screen Control (VR407) fully counterclockwise. Place the Service Switch (S201) toward S (Set Up) side. Adjust the Screen Control (VR407) until a dim line appears on the screen. Adjust the Red, Blue and Green Cut Off Controls to produce a dim white line. Place the Service Switch toward N (Normal) side. Adjust Red (VR401) and Green (VR402) Drive Controls for a good black and white picture at a high brightness setting. Check picture at a low brightness setting, if necessary touch up the Red, Blue and Green Cut Off Controls for a good black and white picture.

VOLUME LEVEL ADJUSTMENT

Turn receiver to an unused channel. Connect a VTVM to TP301, low side to ground. Set VTVM to read in 50 Volt AC range. Depress Volume up button and hold for approximately 10 seconds. Adjust Maximum Adjust (Max Adj) (VR2102) (on Auto Band Receiver Board) fully clockwise then turn slowly counterclockwise to the point the meter indicates a drop in voltage. Depress Volume down for about 10 seconds, adjust Minimum Adjust (Min Adj) (VR2101) until slight noise is heard.

HORIZONTAL HOLD ADJUSTMENT

Tune in a local TV station. Connect a jumper from TP601 to TP602, adjust Horizontal Hold Control (VR601) until picture slowly floats across or stops on the screen. Remove jumper.

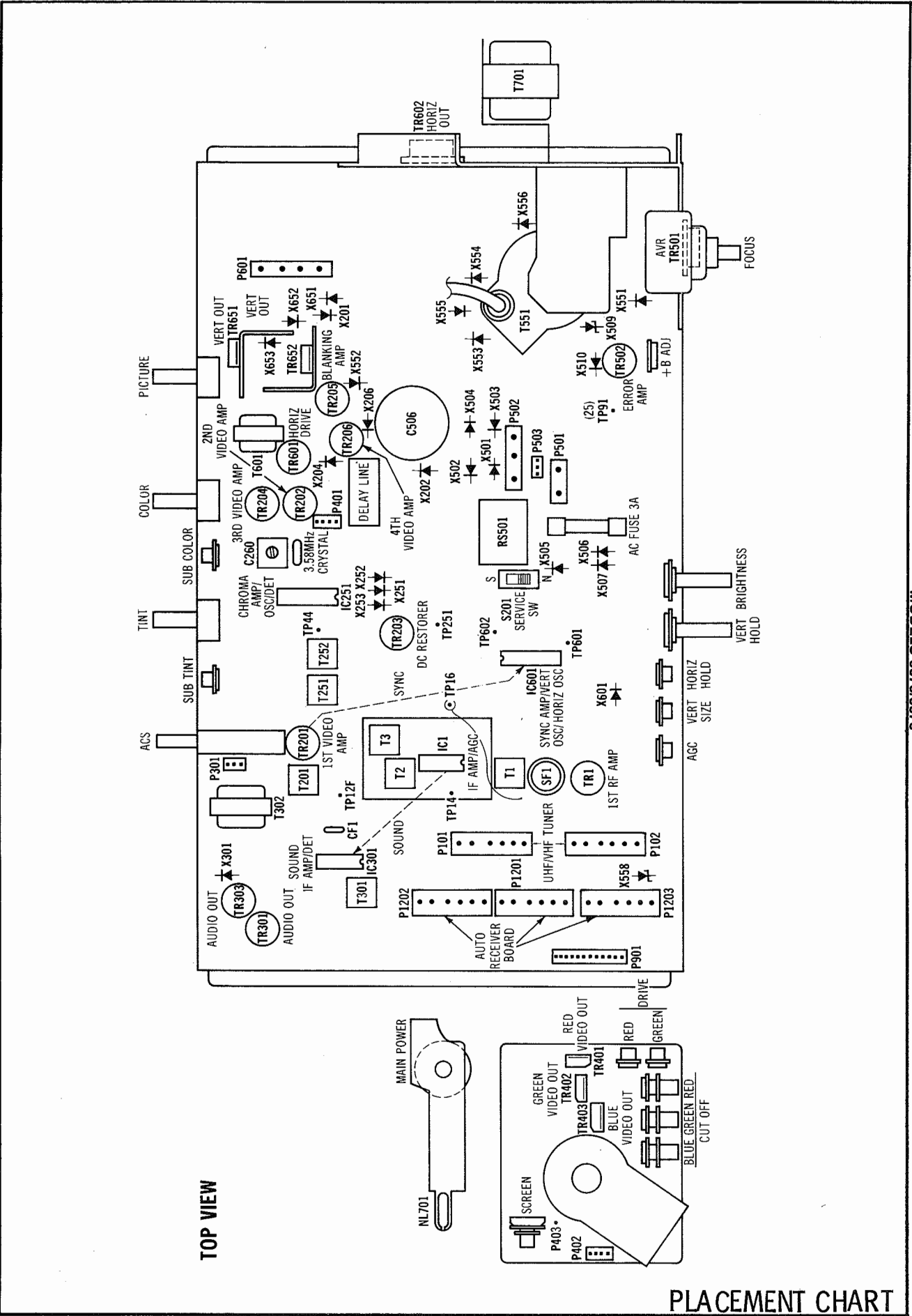
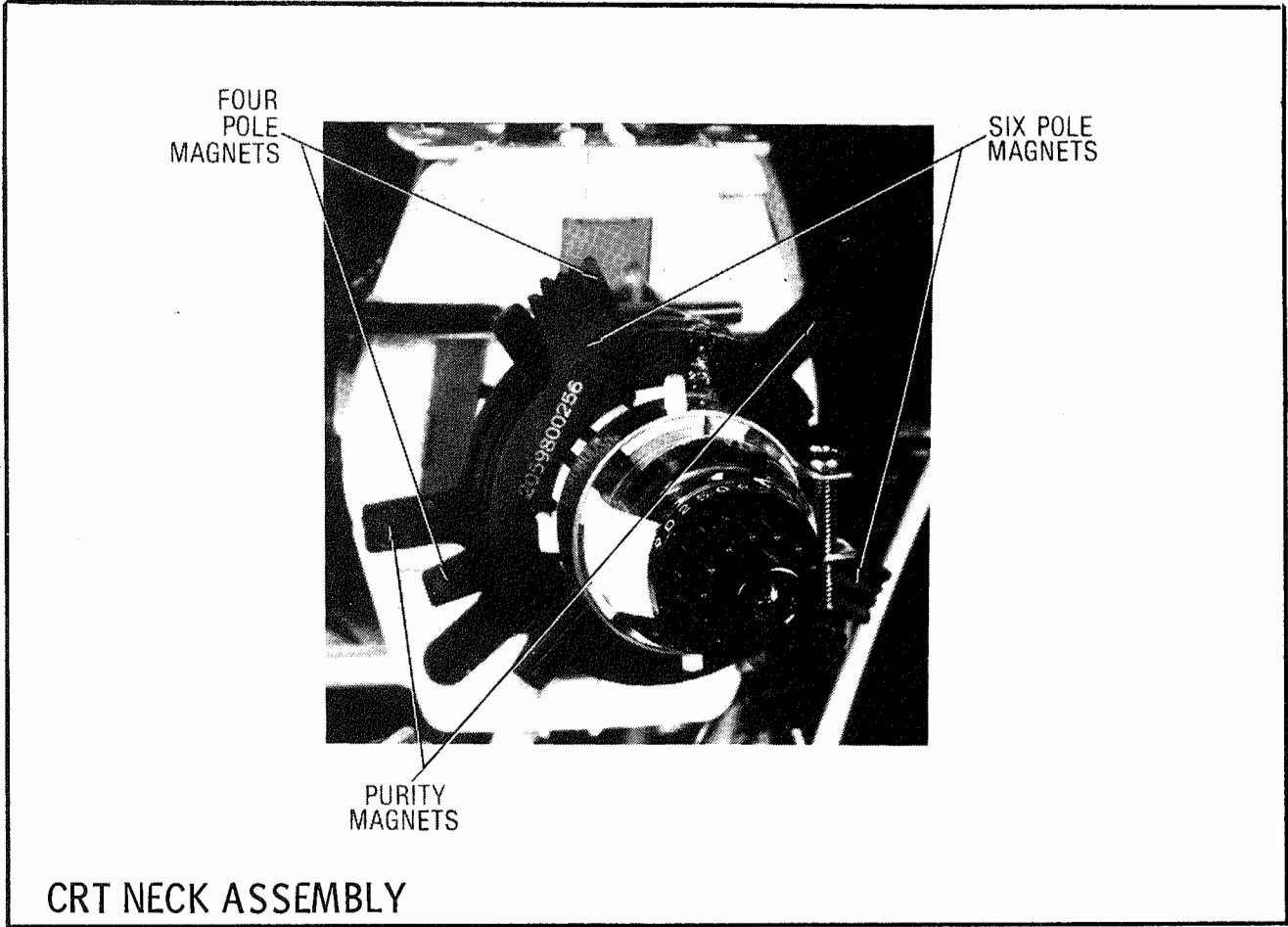
CONVERGENCE ADJUSTMENTS

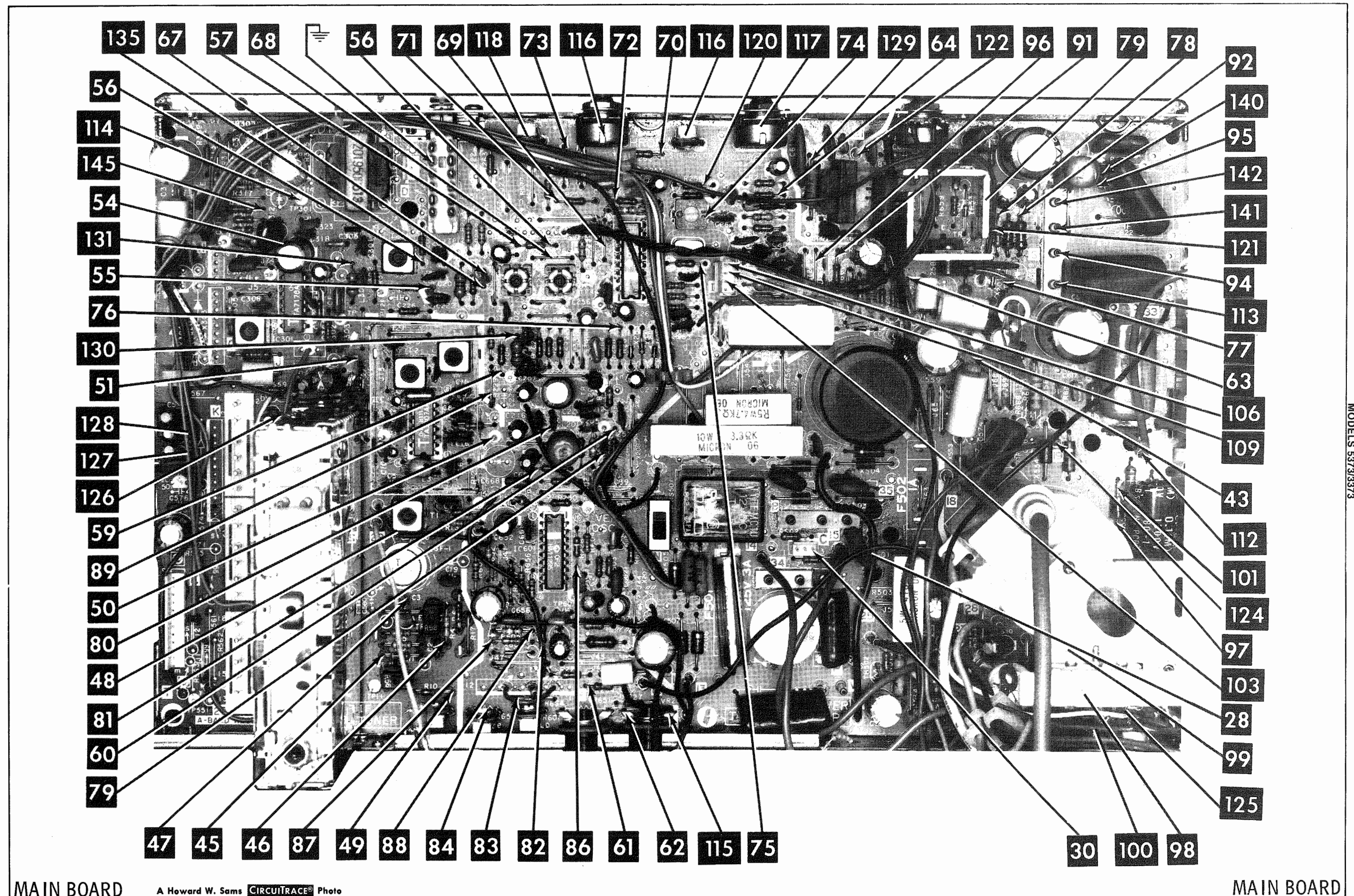
Connect a color bar generator to the antenna terminals and tune in a dot pattern. Loosen locking ring on purity and convergence magnet assembly. Adjust magnet tabs 1 and 2 to converge the red and blue dots at the center of the screen. Adjust magnet tabs 3 and 4 to converge the red/blue dot over the green dot at the center of the screen. Remove the rubber wedges between the deflection yoke and picture tube. Tilt the deflection yoke up or down to converge the vertical lines at the top and bottom of the screen and horizontal lines at the right and left sides of the screen. Tilt the deflection yoke to the right or left to converge the horizontal lines at the top and bottom of the screen and the vertical lines at the right and left sides of the screen. Repeat convergence procedure if necessary to obtain the best overall convergence. Replace the rubber wedges.

NOTE: Tabs 1 & 2 4 Pole Magnets
Tabs 3 & 4 6 Pole Magnets

RESISTANCE MEASUREMENTS

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
IC1	10.7K	8390	1750	25.5K	8860	8850	14.3K	2390	2390	14.3K	239	2150	0	820K
													PIN 15	PIN 16
													8370	10.7K
IC251	3520	3520	3510	INF	INF	3540	INF	474K	4920	INF	4920	3920	230	9790
											PIN 15	PIN 16	PIN 17	PIN 18
											INF	7540	10.5K	0
IC301	INF	INF	0	0	387	12.9K	6740	10K	5660	5660	INF	2810	5460	76.5K
IC601	5720	3120	5420	8390	INF	572	40.3K	2790	0	10.3K	11.5K	24.9K	INF	79.1K
											PIN 15	PIN 16	PIN 17	PIN 18
											48.8K	2380	687	0
V401	90M	NC	NC	NC	0	47.9K	1.2M	47.4K	FIL	FIL	47.9K	NC		
ITEM	E	B	C		ITEM	E	B	C		ITEM	E	B	C	
TR1	22	283	518		TR206	407	748	0		TR501	28K	12M	28K	
TR201	330	1800	705		TR301	115K	60K	26K		TR502	12M	30K	32K	
TR202	5310	423K	231		TR303	0	1200	60K		TR601	0	10K	30K	
TR203	2470	222K	423K		TR401	532	3840	44.7K		TR602	0	.1	28K	
TR204	449	4760	748		TR402	561	3830	45K		TR651	0	3800	60K	
TR205	1140	44K	361		TR403	596	3850	45.1K		TR652	60K	INF	INF	

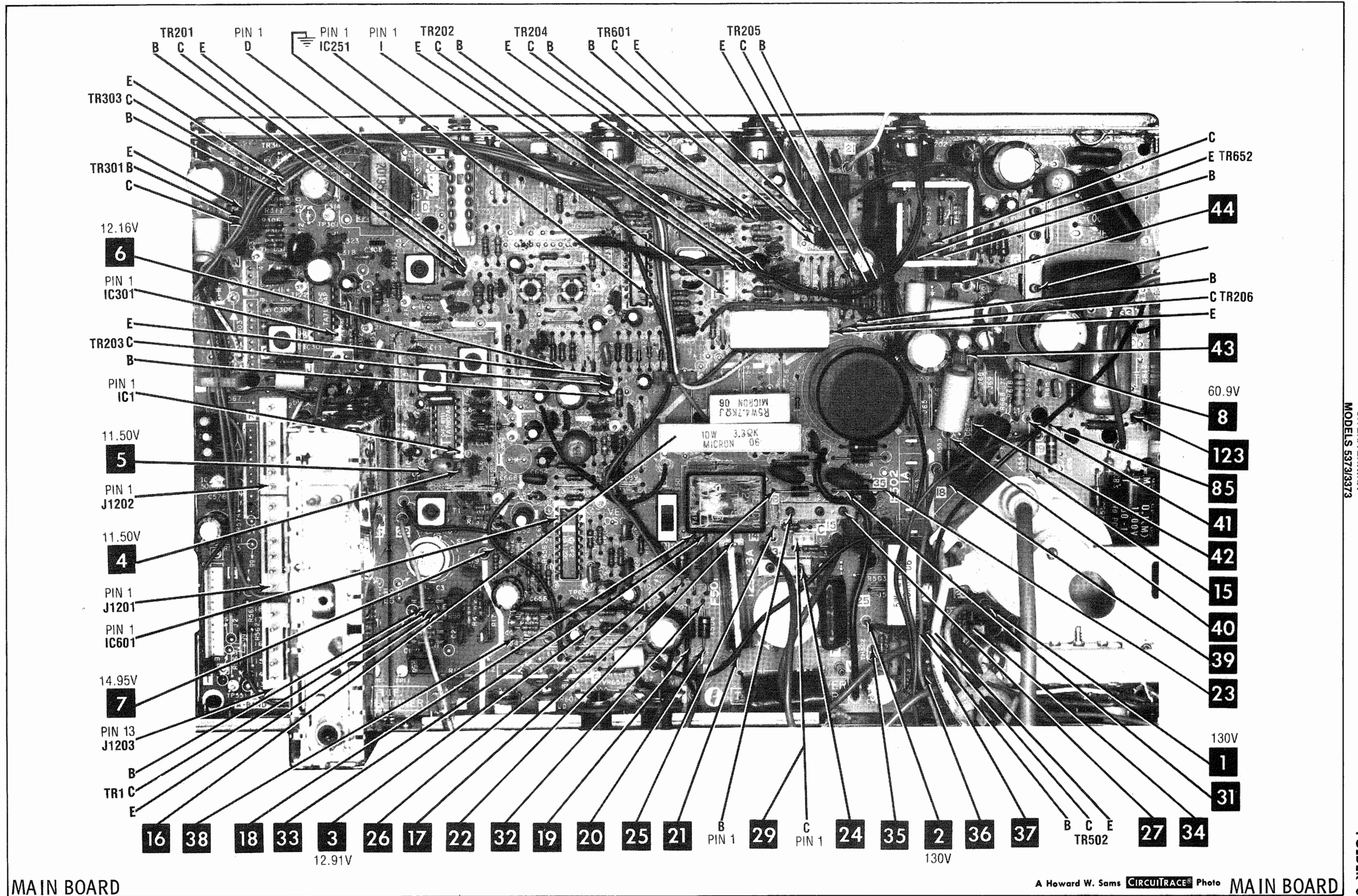


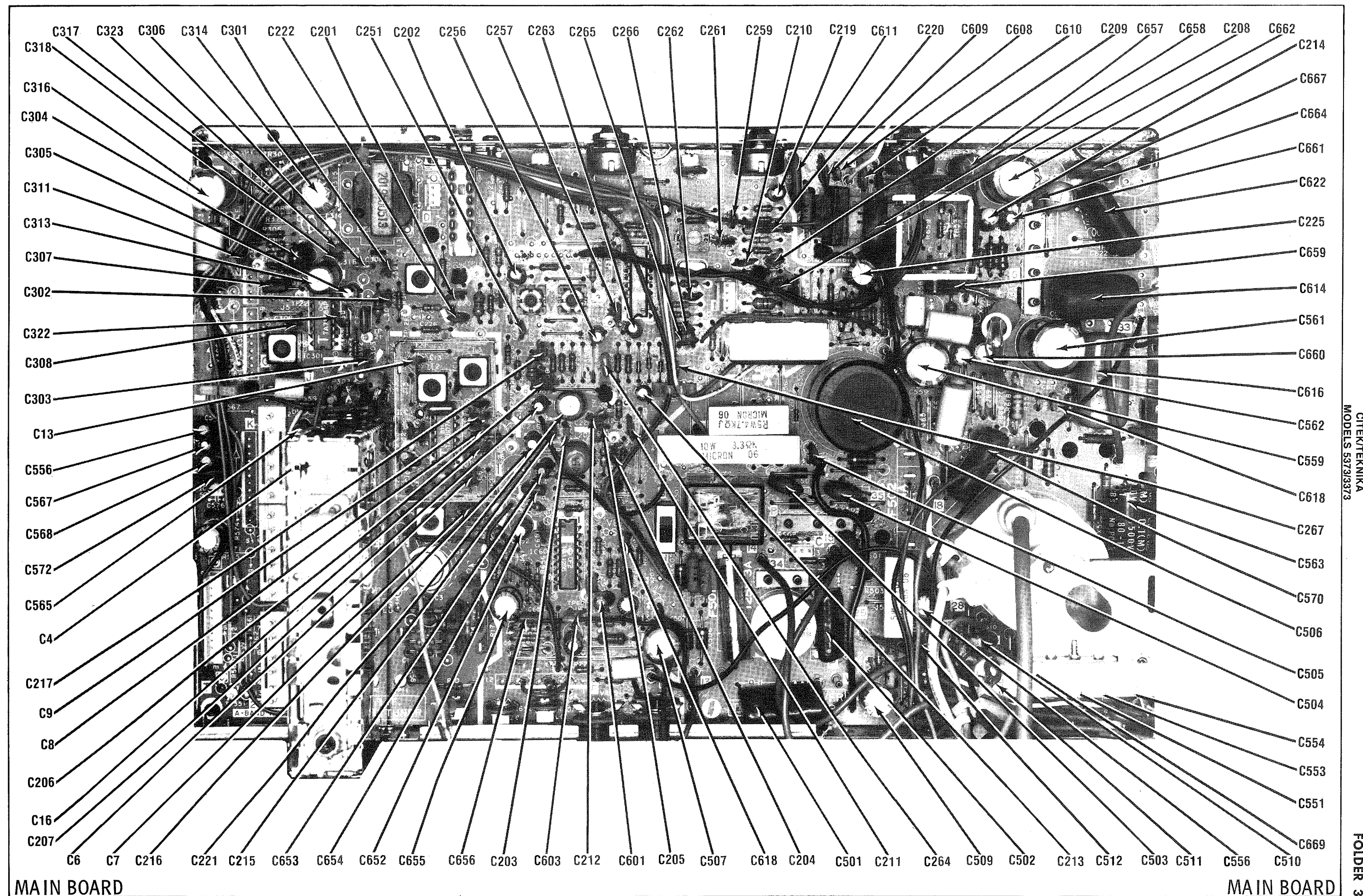


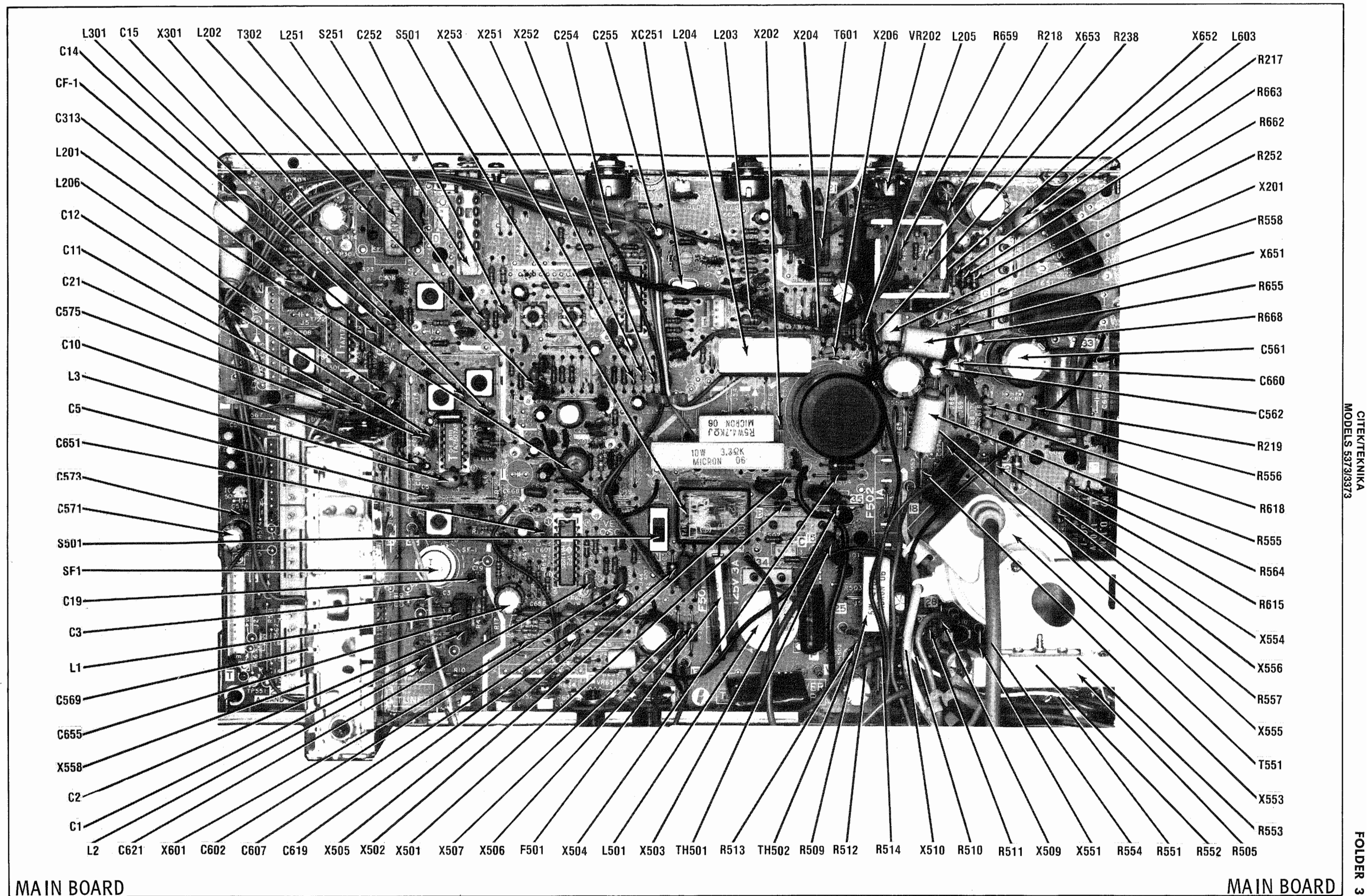
MAIN BOARD

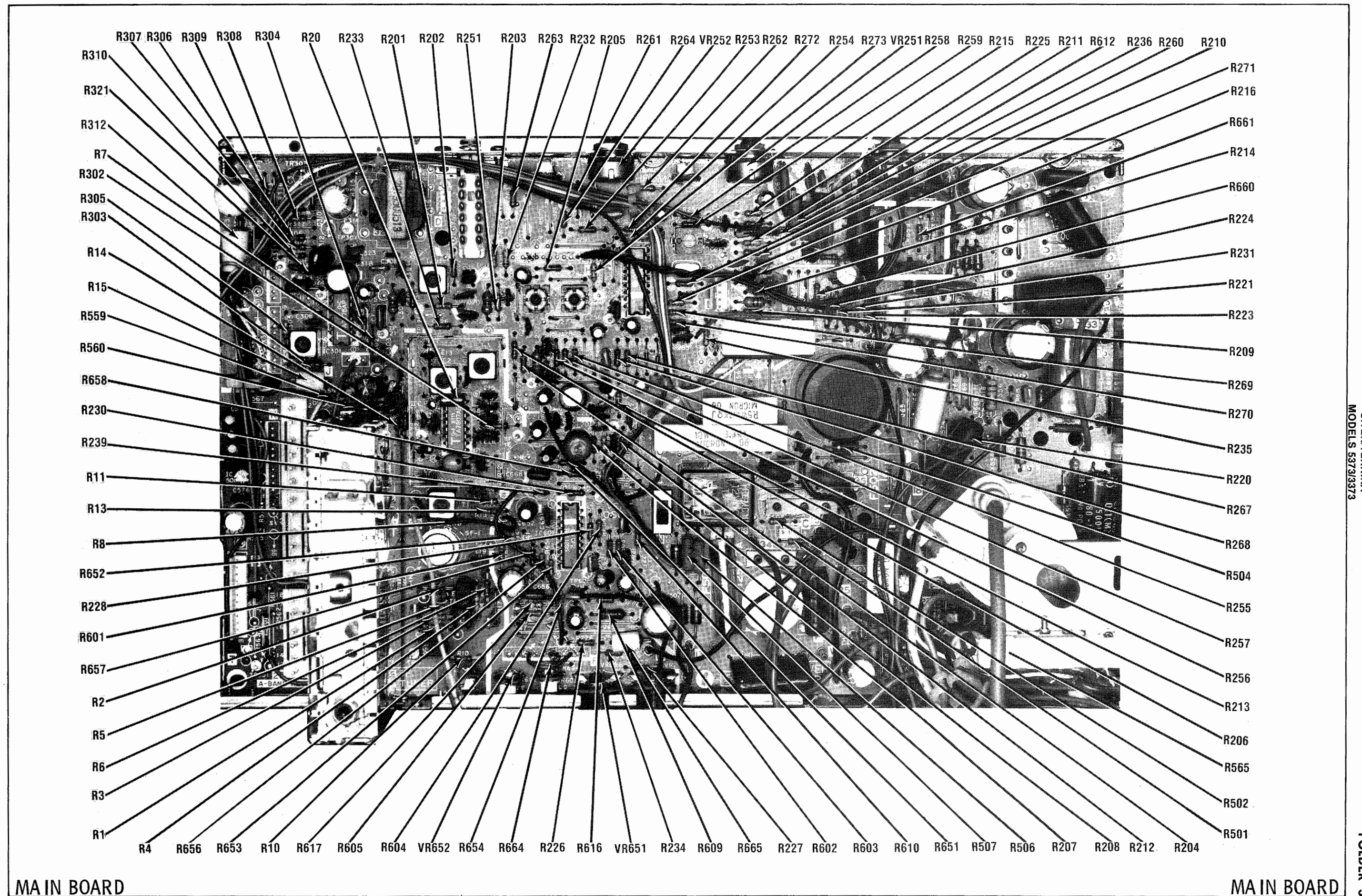
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MAIN BOARD









TUNER (VHF/UHF) (UN)

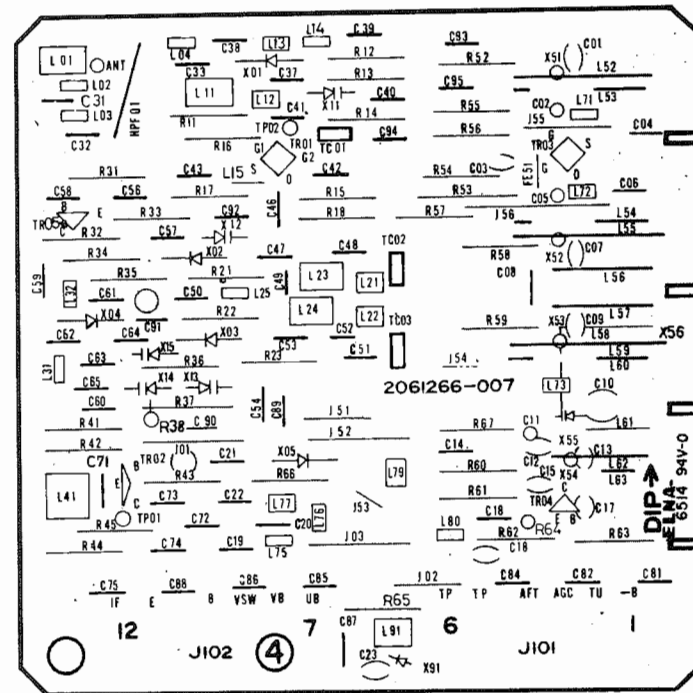
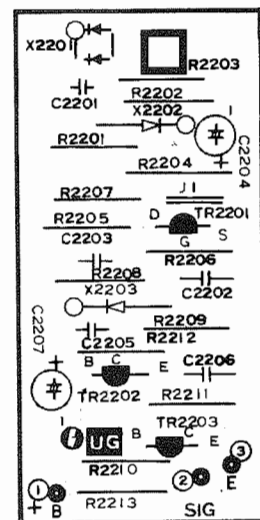
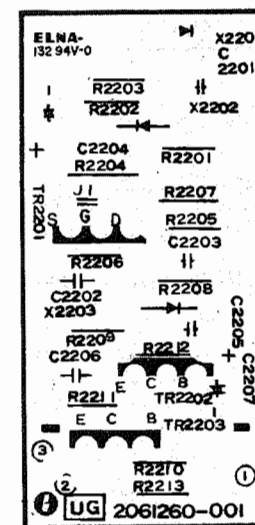


Fig. 32

PHOTO AMP (UG-1)

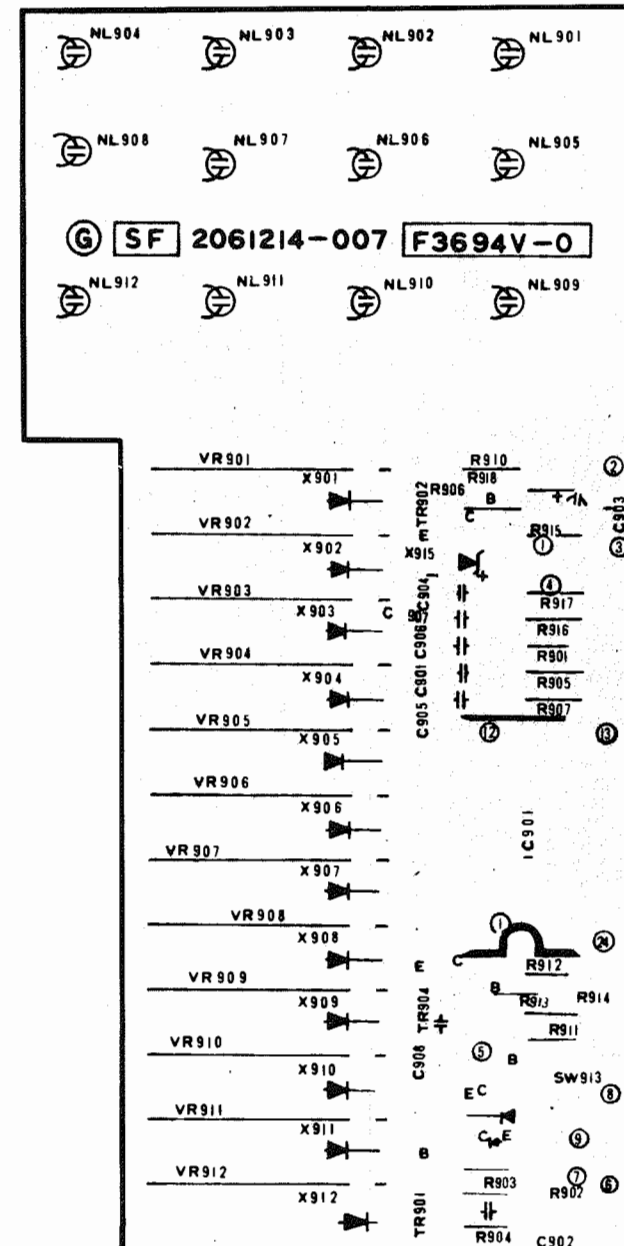


Top View
Fig. 33-a



Bottom View
Fig. 33-b

TUNER-PHOTO AMP-MEMORY PRESETTER BOARDS



Bottom View

MEMORY PRESETTER BOARD (SF-5)

Courtesy of the Manufacturer

AUTO BAND RECEIVER BOARD (UF-1)

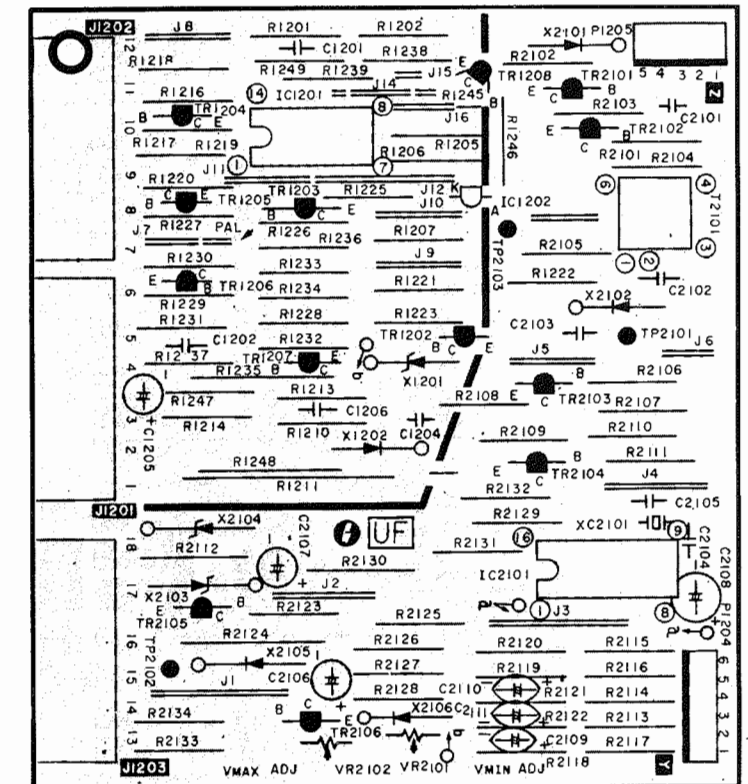


Fig. 31-a Top View

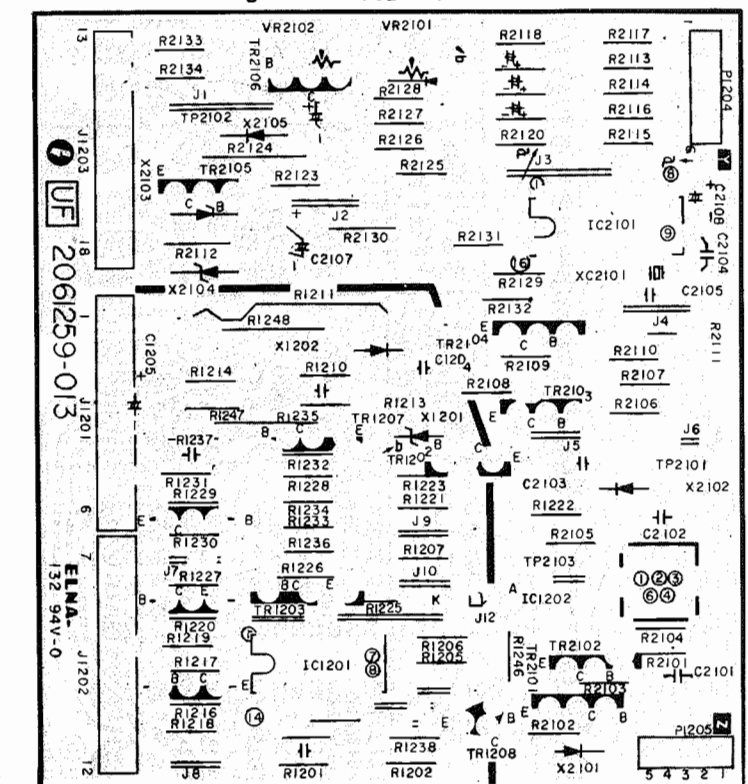


Fig. 31-b Bottom View

MEMORY-PRESETTER-RECEIVER BOARDS

SET 2013 FOLDER 3

CITEKTEKNIKA
MODELS 53733373

FOLDER 3

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	NEW-TONE PART No.	RCA PART No.	ECG PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.	MOTOROLA PART No.
IC1 IC251 IC301 IC601 TR1	TA7607AP	2002120051	GE IC-148 GE -86 GE -61*	TCG712	SK3072/712	ECG712	TM712	WEP507/712	221-48	MC1358P
	HA11247	2002502202		TCG107	SK3293/107	ECG107	TM107	WEP923/316*	121-522*	MP56543*
	TA7176AP	2002110269		TCG85	SK3132	ECG85	TM107	WEP535/107	121-722*	MP5H34*
	HA11235	2002300029		TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
	2SC1906	2003190604		TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
TR201	2SC388A-TM	2003030829	GE -62 GE -62 GE -212 GE -62 GE -62 GE -212	TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
	2SC1740R	2003174014		TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
	2SC1815GR	2003181523		TCG85	SK3124/289	ECG85	TM289	WEP1945	121-972*	MP5A18*
	2SC945AP	2003094522		TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
	2SC1740R	2003174014		TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
TR202	2SC1815GR	2003181523	GE -62 GE -212 GE -82* GE -89* GE -48	TCG85	SK3124/289	ECG85	TM289	WEP1945	121-972*	MP5A18*
	2SC945AP	2003094522		TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
	2SC1740Q	2003174006		TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
	2SC1815Y	2003181516		TCG85	SK3124/289	ECG85	TM289	WEP1945	121-972*	MP5A18*
	2SC945AQ	2003094515		TCG85	SK3124/289	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
TR204	2SA1015Y	2004101518	GE -82* GE -89* GE -48	TCG290A	SK3114/290	ECG290A	TM290	WEP911/290	121-879*	2N4403*
	2SA826Q	2004082614		TCG290A	SK3114/290	ECG290A	TM290	WEP911/290	121-879*	2N4403*
	2SA733Q	2004073315		TCG290A	SK3114/290	ECG290A	TM290	WEP62/159*	121-Z9067	2N4403*
	2SC1740Q	2003174006		TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
	2SC1815Y	2003181516		TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
TR205	2SC945AQ	2003094515	GE -212 GE -269 GE -89* GE -272	TCG85	SK3124/289	ECG85	TM289	WEP1945	121-972*	MP5A18*
	2SA562Y-TM	2004056260		TCG290A	SK3114/290	ECG290A	TM290	WEP911/290	121-Z9003*	2N4403*
	2SA854Q	2004085415		TCG290A	SK3247/234	ECG290A	TM290	WEP911/290	121-879*	2N4403*
	2SA952L	2004095210		TCG290A	SK3114/290	ECG290A	TM290	WEP911/290	121-879*	2N4403*
	2SC2230GR	2003223018		TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
TR301	2SC2230Y	2003223000	GE -222* GE -222* GE -222* GE -221 GE -251	TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
	2SC2230GR	2003223018		TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
	2SC2230Y	2003223000		TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
	2SC2068LB	2003206800		TCG376	SK3219	ECG376	TM198	WEP779/198	121-Z9028	TIP50
	2SC1514-14	2003151428		TCG376	SK3219	ECG376	TM376	WEP779/198	121-Z9028	TIP50

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.
MODEL 3373		MODEL 5373	
Cabinet	2076001846	Cabinet	2076001789
Trap Door	2076203058	Trap Door	2076203058
Panel	2076207911	Panel	2076108287
Door (Selector)	2076203208	Door (Selector)	2076203058
Window (For Selector Door)	2076203075	Window (For Selector Door)	2076203075
Window (VHF/UHF Indicator)	2076202955	Window (VHF/UHF Indicator)	2076202955
Rear Cover	2076305839	Rear Cover	2076305944
Handle	2076403096	Handle	2076402825
Film (Channel Number Tab)	2079007142	Film (Channel Number Tab)	2079007142
Knob (For Trap Door)	2076503720	Knob (For Trap Door)	2076503546
Button-On-Off Switch	2087901206	Button-On-Off Switch	2087901206
Button-Volume Up-Down	2087901214	Button-Volume Up-Down	2087901214
Button-Channel Selector	2087901253	Button-Channel Selector	2087901253
Knob-Main Pull-On	2087302922	Knob-Main Pull-On	2087302321
Knob-Tuning Thumbwheel (A,C,E,G,I,K)	2087302813	Knob-Tuning Thumbwheel (A,C,E,G,I,K)	2087302813
Knob-Tuning Thumbwheel (B,D,F,H,J,L)	2087302820	Knob-Tuning Thumbwheel (B,D,F,H,J,L)	2087302820
Knob-Color, Tint, Picture	2087302852	Knob-Color, Tint, Picture	2087302852
Button-(ACS Switch)	2087901269	Button-(ACS Switch)	2087901269
MODEL 3373		MODEL 5373	
TRANSMITTER		TRANSMITTER	
Decoration (For Transmitter)	2071216457	Decoration (For Transmitter)	2071218869
Button RHR-1-1 (Transmitter Channel)	2087901221	Button RHR-1 (Transmitter Channel)	2087901221
Film Channel Number	2075918559	Film Channel Number	2075918559
Case Upper (For Transmitter)	2076403288	Case Upper (For Transmitter)	2076403288
Case Bottom (For Transmitter)	2076403293	Case Bottom (For Transmitter)	2076403293
Button RHR-3-1 (Transmitter Vol and Ch. Up/Down)	2087901248	Button RHR-3-1 (Transmitter Vol and Ch. Up/Down)	2087901248
Button RHR-2-1 (Transmitter/Mute and On/Off Switch)	2087901235	Button RHR-2-1 (Transmitter/Mute and On/Off Switch)	2087901235
Battery Cover (For Transmitter)	2076403309	Batter Cover (For Transmitter)	2076403309

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

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.	
SP	4" PM 8 Ohm	2050000524	4A1Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA				
		MFG. PART No.		BUSS PART No.		NOTES
		DEVICE	HOLDER	DEVICE	HOLDER	
F501	3A @ 250V Fast-Acting Pigtail	2047120062		GJV3		

For SAFETY use only equivalent replacement part.

MISCELLANEOUS

ITEM No.	PART NAME	MFGR. PART No.	NOTES
CF1	Filter	2052200072	Ceramic (SFE-4.5MB)
L602	Ferrite Bead	2014710134	
L701	Degaussing Coil	2021800477	
NL701	Lamp	2011110157	Neon (NE-2Q DC)
# P1	Cord	2095002580	AC Power, Polarized
RS501	Relay	2051400087	AMC12D1-0 (TV-5)
S201	Switch	2048100245	On/Off, Service
S251	Switch	2048200393	On/Off, ACS, 4P2T
# S701	Switch	2048600036	Power
SF-1	Filter	2052500025	Surface Acostatic Wave (F1022F)
# V401	CRT	370HEB22(Y)	
XC261	Crystal	2052000020	3.58MHz
	Antenna	2051500155	UHF, RUSSELL Replacement Antenna LIN-2H
	Antenna	2051500199	VHF, RUSSELL Replacement Assembly POR-3H
	Jack	2049301527	Antenna (1P-E, for Tuner)
	Magnet	2059800256	Purity
	P.C. Board	2969002093	Antenna Terminal Assembly
	P.C. Board	2957001060	CRT Socket Assembly (TM-5)
	P.C. Board	2950002327	Main, (TL-8)
	P.C. Board	2958000168	Memory Presetter Assembly (SF-5)
	P.C. Board	2917000469	Photo Amp (UG-1)
	P.C. Board	2966000520	Switch Assembly (UW)
	Socket	2049301255	CRT
	Transmitter	2918000425	Remote Hand Unit Assembly (Model 3373)
	Transmitter	2918000439	Remote Hand Unit Assembly (Model 5373)
	UHF/VHF Tuner	2931000458	PTS. Part No. 2931000458 (CU-201)
	CU-201		
	Wedge	2082401092	Deflection Yoke

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.

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							MOTOROLA PART No.
			GENERAL ELECTRIC PART No.	NEW-TONE PART No.	RCA PART No.	ECG PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.	
TR402	2SC2068LB	2003206800	GE-251	TCG376	SK3219	ECG376	TM198	WEP779/198	121-Z9028	TIP50
	2SC1514-14	2003151428	GE-251	TCG376	SK3219	ECG376	TM376	WEP779/198	121-Z9028	TIP50
	2SC2068LB	2003206800	GE-251	TCG376	SK3219	ECG376	TM198	WEP779/198	121-Z9028	TIP50
	2SC1514-14	2003151428	GE-251	TCG376	SK3219	ECG376	TM376	WEP779/198	121-Z9028	TIP50
	2SC1106	2003110607	GE-73	TCG94	SK3559/162	ECG94	TM162	WEP707/162	121-Z9018	MJ423
TR501	2SC1454	2003145404	GE-35	TCG94	SK3560	ECG94	TM162	WEP740/163	121-Z9018	MJ423
	2SC1740R	2003174014	GE-62	TCG85	SK3122	ECG85	TM289	WEP736/123A*	121-Z9065	2N4401*
TR502	2SC1815GR	2003181523	GE-62	TCG85	SK3245/199	ECG85	TM123AP*	WEP66/199	121-Z9065	MP5A05*
	2SC945AP	2003094522	GE-212	TCG85	SK3124/289	ECG85	TM289	WEP1945	121-972*	MP5A18*
	2SC2482BK	2003248217	GE-222*	TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
	2SC2610BK	2003261019	GE-222*	TCG399	SK3244	ECG399	TM287*	WEP68/287*	121-Z9045*	MP5A42*
	2SD898A	2004589802		TCG89			ECG89			
TR602	2SD869	2004586902		TCG89		ECG89				MJE15030
TR651	2SC2073	2003207306		TCG375	SK3929	ECG375	TM375	WEP763/375	121-Z9106	MJE15030
	LBGS2			TCG375			ECG375			
TR652	2SD478BS	2004547814		TCG375	SK3929	ECG375	TM375	WEP763/375	121-Z9106	MJE15030
	2SC2073	2003207306		TCG375	SK3929	ECG375	TM375	WEP763/375	121-Z9106	MJE15030
	LBGS2			TCG375			ECG375			
	2SD478BS	2004547814		TCG375	SK3929	ECG375	TM375	WEP763/375	121-Z9106	MJE15030
X201	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473	2008010094	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X204	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X206	1S2473	2008010094	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X252	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X253	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2076-27	2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X301	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
	1S2473-T72	2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935

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.

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

REPLACEMENT DATA										
ITEM No.	TYPE No.	MFGR. PART No.	GENERAL ELECTRIC PART No.	NEW-TONE PART No.	RCA PART No.	ECG PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.	MOTOROLA PART No.
X501	1S1888V RM-1AV	2013120313 2013120216	GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
			GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
X502	1S1888V RM-1AV	2013120313 2013120216	GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
			GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
X503	1S1888V RM-1AV	2013120313 2013120216	GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
			GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
X504	1S1888V RM-1AV	2013120313 2013120216	GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
			GE-504A	TCG116	SK3313/116	ECG116	TM116	WEP158/116	212-76-02	1N4005
X505	RM-1ZV ERB12-02V	2013120255 2013120223	GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
			GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
X506	RM-1ZV ERB12-02V	2013120255 2013120223	GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
			GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
X507	RM-1ZV ERB12-02V	2013120255 2013120223	GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
			GE-504A	TCG116	SK3311	ECG116	TM116	WEP156	212-76-02	1N4005
X509	EQB01-06V 1S2076-27	2012230042 2012010159	GEZD-6.0	TCG5070A	SK9021/5070A	ECG5070A	TM5070A	WEP1153/5070	103-Z9008	1N4735
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X551	1S2473-T72 RH-1V	2012010144 2012120009	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
			GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
X552	ERB28-04DV 1S581	2012110103 2012010165	GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
			GE-300	TCG177	SK9091/177	ECG177	TM177	WEP1062/177	103-131	1N4935
X553	RU-2V ERB24-04CV	2012010158 2012100158	GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
			GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
X554	RH-1BV 1S582	2012120038 2012010176	GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
			GE-300	TCG177	SK9091/177	ECG177	TM177	WEP1062/177	103-131	1N4935
X555	RH-1ZV 1S2076-27	2012010176 2012120056	GE-300	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
			GE-511	TCG552	SK9000/552	ECG552	TM552	WEP152/552	103-287	MR1-1400
X556	RC-2V ERB26-20MV	2012100119 2012100164	GE-533	TCG525	SK3925/525	ECG525	TM525	WEP177/525	212-Z9010	1N4935
			GE-533	TCG525	SK3925/525	ECG525	TM525	WEP177/525	212-Z9010	1N4935
X558	EQA01-15RLV 1S2473-T72	2012220368 2012010144	GEZD-15	TCG145A	SK3063/145A	ECG145A	TM145A	WEP1114/145	103-Z9013	1N4744
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X601	1S2473-T72 1S2076-27	2012010144 2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X651	1S581 1S2473-T72	2012010165 2012010144	GE-300	TCG177	SK9091/177	ECG177	TM177	WEP1062/177	103-131	1N4935
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X652	1S2076-27 1S2473-T72	2012010159 2012010144	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
X653	1S2473-T72 1S2076-27	2012010144 2012010159	GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935
			GE-514	TCG519	SK3100/519	ECG519	TM519	WEP925/519	103-131	1N4935

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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COILS (RF-IF)

ITEM No.	FUNCTION	MFGR. PART No.	ITEM No.	FUNCTION	MFGR. PART No.
L1	RF Choke	2014610059	L251	Peaking (12uH)	2014510079
L2	RF Choke	2014610059	L301	Peaking (22uH)	2014510104
L3	Peaking	2014700078	L501	Line Filter	2016020027
L201	RF Choke (15mH)	2014710245	L603	RF Choke (15mH)	2014710245
L202	Peaking (15uH)	2014510081	T1	Video IF	2018410210
L203	Peaking (150uH)	2014510202	T2	Video IF	2018410227
L204	Delay Line	2020810216	T3	AFT	2018410231
L205	Peaking (56uH)	2014510151	T201	4.5MHz Trap	2018510159
L206	Peaking	2014700078	T251	Sound Take-Off	2020000109
			T252	4.5MHz Trap	2020000117
			T301	Sound Detector	2019110010
			T751	Balun	2018000097

COILS & TRANSFORMERS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA			
		MFGR. PART No.	OTHER IDENTIFICATION	THORDARSON PART No.	TRIAD PART No.
# T500	Yoke Horiz 3.2mH 90° Vert 91mH	2021110995			
# T551	Horiz Output	2009720148			
T601	Horiz Driver	2021300080			

For SAFETY use only equivalent replacement part.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T302	1352	8	2019500534 2019500513(1)			(1) Number on unit.

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA		
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.
# T701	120V AC @ 35mA AC	14.38V AC @ 140mA DC		2017200167 2017200257(1)		

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA		
			MALLORY PART No.	SPRAGUE PART No.	
				Q-LINE	GENERAL LINE
# C756	150 125V AC 10%	2027810155			
#	470 125V AC				

For SAFETY use only equivalent replacement part.

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA		
			MFG. PART No.	MALLORY PART No.	TRW PART No.
VR1	AGC	5000	2042114010	RVA0911V502	X260R502B
VR201	Brightness	5000	2042122101	MTC14L1	X201R103B
VR202	Picture	1000	2043000335		
VR251	Color	10K	2043050066		
VR252	Tint	10K	2043050066		
VR253	Sub Tint	10K	2042114027		
VR254	Sub Color	10K	2042114027		
VR401	Red Drive	500	2042114031		
VR402	Green Drive	500	2042114031		
VR403	Red Cut Off	5000	2042115006		
VR404	Green Cut Off	5000	2042115006		
VR405	Blue Cut Off	5000	2042115006	MTC26L1	X201R205B
VR407	Screen	2M	2042061018		
VR501	130V Adjust	1000	2042050001		
VR601	Horiz Hold	5000	2042114010		
VR651	Vert Hold	5000	2042122101	RVA0911V502	X260R502B
VR652	Vert Height (Size)	500	2042114031		
# VR701	Focus	22M	2040900054	MTC52L1	X201R501B
VR	VR Min.	5000	2042114010		
2101	VR Max.	5000	2042114010	RVA0911V502	X260R502B
VR					
2102					

#For SAFETY use only equivalent replacement part.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		
		MFR. PART No.	SPRAGUE/ Q-LINE PART No.	WORKMAN PART No.
# R505	3.3 10W 10% WW	2041600527	RB-1055	24-3078
R508	270 15W 10% WW	2041725133		
R509	470 5W 10% WW	2041425021		
# R613	4700 5W 5% Cement Film	2041450523		
R702	3.3 10W 10% WW	1041625058		
# R752	1M 1/2W 10% Carbon			
	47K 1/2W 10% Carbon	2035201834	RB-4735	24-4021
# R755	3.3M 1/2W 10% Carbon	2035202607	RB-3355	22-2168
TH501	3.5 PTC Cold (PTC-3)	2010100034		22-2136
TH502	3000 NTC (TD5-C268)	2010000618		22-2180
				FR605

#For SAFETY use only equivalent replacement part.

PARTS LIST AND DESCRIPTION (CONTINUED)

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SEMICONDUCTORS (select replacement transistor for best results) (cont)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	NEW-TONE PART No.	RCA PART No.	EGG PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.	MOTOROLA PART No.
X701	GHV-14SSN ESJA25-12S GHV-14SSN ESJA25-12S GHV-14SSN ESJA25-12S									
X702										
X703										

For SAFETY use only equivalent replacement part.

* Lead configuration may vary from original.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA		
			MALLORY PART No.	SPRAGUE PART No.	GENERAL LINE
C4	10 25V	2030629037	VTT10B25	QCP-3132-01	EV-1422
C10	2.2 50V		VTT2R2A50		EV-1617.1
	.22 25V		VTT2R2A50		EV-1617.1
C11	.47 50V		VTT47A63		EV-1610
C202	100 25V		VTT100G25		EV-1331
C207	47 6.3V		VTT47D16		EV-1226
	1 50V		VTT1A50		EV-1615
C213	1 25V		VTT1A50		EV-1615
C214	1 50V		TC56A*		TVA-1540*
C216	1 160V		VTT1A50		EV-1615
C219	10 25V	2030029021	VTT10B25	QCP-3107-01	EV-1422
C221	470 16V	2030014076	VTT470K16	QCP-3184-01	EV-1251
C225	220 25V	2030019064	VTT220K25	QCP-3175-01	EV-1340
C255	10 25V	2030619011	VTT10B25	QCP-3132-01	EV-1422
C256	.47 50V	2030629016	VTT47A63	QCP-3103-01	EV-1610
C263	4.7 50V	2030629055	VTT47B50	QCP-3122-01	EV-1619.1
C304	470 16V	2030014076	VTT470K16	QCP-3184-01	EV-1251
C305	1 50V	2030629023	VTT1A50	QCP-3107-01	EV-1615
C311	1 50V	2030629023	VTT1A50	QCP-3107-01	EV-1615
C314	10 160V	2030040020	TC52A*	QCP-3132-01	EV-1422
C316	22 160V	2030040034	TC57B*	QCP-3184-01	EV-1251
C506	220 200V	2030220100	TC1267*	QCP-3107-01	EV-1615
C507	470 25V	2030019087	VTT470M25	QCP-3187-01	EV-1615
C509	10 160V	2030040020	TC52A*	QCP-3107-01	EV-1615
C510	47 16V	2030614033	VTT47D16	QCP-3154-01	TVA-1509*

PARTS LIST AND DESCRIPTION (CONTINUED)

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ELECTROLYTIC CAPACITORS (cont)

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	MALLORY PART No.	SPRAGUE PART No.	
				Q-LINE	GENERAL LINE
C511	47 160V	2030040052	TC59C*		TVA-1512*
C553	10 NP 50V	2030315132	TCN5010A	QCP-4148-01	TVAN-1304.1
C554	1 NP 50V	2030315004	TCN501A		TVAN-1560
C556	10 100V	2030034069	VTT10G100		TVA-1337*
C559	1000 25V	2030019092	VTT1000N25	QCP-3195-01	EV-1360
C561	470 100V	2030034134	TC10501A*		TVA-1376*
C562	1 160V	2030040079	TC56A*		TVA-1540*
C565	.47 50V	2030629016	VTT47A63	QCP-3103-01	EV-1610
C566	.47 50V	2030629016	VTT47A63	QCP-3103-01	EV-1610
C567	10 25V	2030619011	VTT10B25	QCP-3132-01	EV-1422
C568	10 25V	2030619011	VTT10B25	QCP-3132-01	EV-1422
C571	330 25V	2030019075	VTT330L25	QCP-3181-01	EV-1345
C575	10 25V	2030619011	VTT10B25	QCP-3132-01	EV-1422
C601	1 50V	2030629023	VTT1A50	QCP-3107-01	EV-1615
C607	47 25V	2030619045	VTT47E25	QCP-3154-01	EV-1426.1
C619	47 25V	2030619045	VTT47E25	QCP-3154-01	EV-1426.1
C652	2.2 50V	2030025163	VTT2R2A50	QCP-3114-01	EV-1617.1
C653	1 50V	2030629023	VTT1A50	QCP-3107-01	EV-1615
C655	330 16V	2030014065	VTT330H16	QCP-3178-01	EV-1245
C657	4.7 50V	2030025186	VTT47R7B50	QCP-3122-01	EV-1619.1
C659	.47 100V	2030034014			
C660	10 100V	2030634061	VTT10G100		TVA-1337*
C661	10 50V	2030629061	VTT10D63	QCP-3132-01	EV-1622
C662	220 100V	2030034113	TC10251A*		TVA-1349*

* Axial replacement for radial device.

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA	
			MALLORY PART No.	SPRAGUE PART No.
				Q-LINE GENERAL LINE
C1	.01 50V		MAG5011	
C2	.01 50V		MAG5011	
C3	.01 50V		MAG5011	
C5	.01 50V		MAG5011	
C6	.01 50V		MAG5011	
C7	.01 50V		MAG5011	
C8	.01 50V		MAG5011	
C9	.01 50V		MAG5011	
C12	.01 50V		MAG5011	
C13	3pF NPO 50V \pm .25	2028219005		
C14	3pF NPO 50V \pm .25	2028019002		
C15	10pF NPO 50V \pm .25	2028218046		
C16	.01 50V		MAG5011	
C19	.01 50V		MAG5011	
C21	47 50V 5%		CNO447	10TCC-Q47
C201	82 N080 50V 5%	2028026068	*	10TCC-T33
C203	330 50V 5%	2028000795		10TCC-T33
C204	820 50V 10%		GP382	10TS-T82
C205	.0015 50V 10%		GP215	10TS-D15
C206	120 50V 5%		CNO312	10TCC-T12
C208	100 50V 5%		CNO310	10TCC-T10
C209	82 50V 5%		CNO482	10TCC-Q82
C210	560 50V 5%	2028000879		
C211	560 50V 10%		GP356	10TS-T56
C212	330 50V 5%	2028000795		10TCC-T33
C215	.0022 50V 10%		GP222	10TS-D22
C217	10pF 50V \pm 1		CNO410	10TCC-Q10
C220	470 50V 5%	2028000847		
C222	.01 50V		MAG5011	
C251	100 50V 5%		CNO310	10TCC-T10
C252	47 50V 5%		CNO447	10TCC-Q47
C254	.033 50V 10%		M192P3339R8	192P3339R8
C257	.01 50V		MAG5011	
C259	39 50V 5%		CNO439	10TCC-Q39
C260	15pF Trimmer	2032000072		
C261	15 NPO 50V 5%		CNO415	10TCC-Q15

PARTS LIST AND DESCRIPTION (CONTINUED)

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CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA	
			MALLORY PART No.	SPRAGUE PART No.
				Q-LINE GENERAL LINE
C262	56 NPO 50V 5%		CNO456	10TCC-Q56
	47 50V 5%		CNO447	10TCC-Q47
C264	.033 50V 10%		M192P3339R8	192P3339R8
C265	390 50V 10%		GP339	10TS-T39
C266	390 50V 10%		GP339	10TS-T39
C267	390 50V 10%		GP339	10TS-T39
C301	47 50V 5%		CNO447	10TCC-Q47
C302	47 50V 5%		CNO447	10TCC-Q47
C303	.01 50V		MAG5011	
C306	.01 50V 10%		JE110	10TS-S10
C307	.022 50V 10%		M192P2239R8	192P2239R8
C308	15 50V 10%		CNO415	10TCC-Q15
C312	.1 100V 10%		EW1A010	1PB-P10
C313	560 500V 10%		GP356	10TS-T56
C317	100 500V 5%		CNO310	10TCC-T10
C318	.01 50V		MAG5011	
C322	.01 50V		MAG5011	
C401	.001 500V 10%		GP210	10TS-D10
C402	820 500V 10%		GP382	10TS-T82
C403	820 500V 10%		GP382	10TS-T82
C404	.0015 2KV 10%	2027110019		
C405	.01 500V 10%		JE110	10SS-S10
C406	100 12KV 10%	2027150018		
C501	.1 125V AC	2031820336		
C502	.047 125V AC	2031820315		
C503	.0022 125V AC			
	.0015 125V AC	2027810116		125L-D15
	.0022 125V AC			
C504	.0015 125V AC	2027810116		125L-D15
C505	.0015 500V 10%		GP215	10TS-D15
C512	.001 50V 10%		GP210	10TS-D10
C551	.1 200V 10%		EW12010	2PB-P10
C563	.1 1.5KV	2029040155		
C569	.01 50V		MAG5011	
C570	.22 200V 10%		EW16022	QCP-6253-01 6PS-P22
C572	.047 50V		MAG5015	
C573	.01 50V		MAG5011	
C579	.22 200V 10%		EW16022	QCP-6253-01 6PS-P22
C602	.0082 50V 10%		EW1A282	1PB-D82
C603	.0056 50V 5%	2031190007		
C608	100 500V 10%		CNO310	10TCC-T10
C609	.0033 500V 10%		EW16233	QCP-6124-01 6PS-D33
C610	.01 50V 10%		JE110	10TS-S10
C611	.01 500V 10%		JE110	10TS-S10
C614	.39 200V 10%		EMM6039	PP4-P39
C616	.0075 1.5KV 5%	2031270739		
C617	.01 50V 10%		JE110	10TS-S10
C618	.01 50V 10%		EW1A110	1PB-S10
C621	.015 50V 10%		M192P1539R8	192P1539R8
C622	.22 200V 10%		EW16022	QCP-6253-01 6PS-P22
C651	56 50V 5%		CNO456	10TCC-Q56
C654	.0082 50V 10%		EW1A282	1PB-D82
C656	.0047 50V 10%		M192P4729R8	192P4729R8
C658	.047 200V 10%		EW14147	4PB-S47
C664	.001 500V 10%		GP210	10TS-D10
C667	.022 200V 10%		EW16122	QCP-6184-01 6PS-S22
C669	.1 200V 10%		EW12010	2PB-P10
C701	.0015 500V 10%		GP215	10TS-D15
C751	150 125V AC 10%			
	470 125V AC	2027810155		
C752	150 125V AC 10%			
	470 125V AC	2027810155		
C753	150 125V AC 10%			
	470 125V AC	2027810155		
C754	150 125V AC 10%			
	470 125V AC	2027810155		
C755	150 125V AC 10%			
	470 125V AC	2027810155		