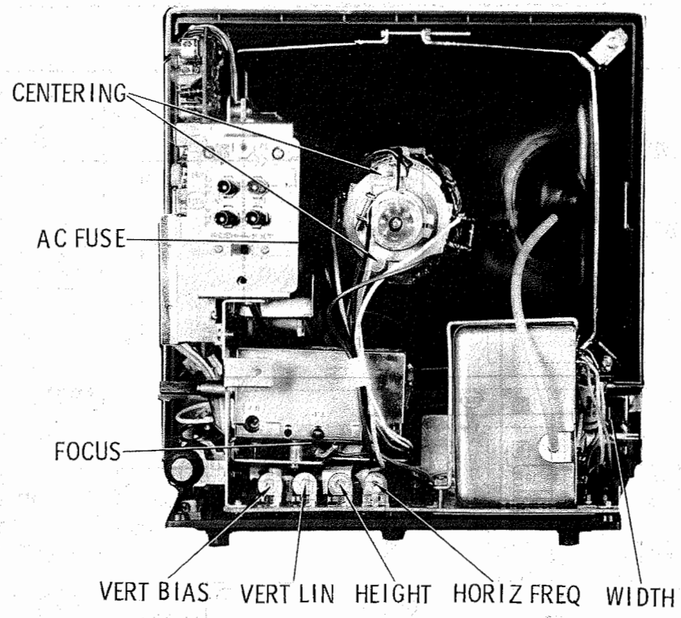


CABINET—REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove eight screws holding cabinet back and remove control knobs. Disconnect antenna leads and power supply plug. Remove cabinet back from the cabinet front.

Disconnect picture tube socket, high voltage anode lead, speaker plug, radio plug and deflection yoke leads.

Remove six screws holding chassis to cabinet front and remove two screws holding control assembly to cabinet front. Remove two screws holding radio to cabinet front and remove chassis control assembly and radio from the cabinet front.

Remove six screws holding power supply to cabinet back and unsolder AC cord.

PICTURE TUBE REMOVAL

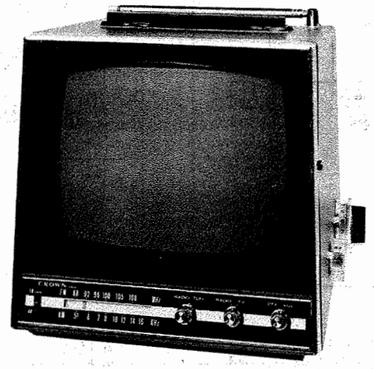
Follow "Chassis Removal" instructions and lay set face down on a soft protective surface.

Remove four screws holding picture tube mounting brackets to cabinet front. Remove picture tube from the cabinet front. Do not lift picture tube by the neck.

PHOTOFACT® Folder with CIRCUITRACE™

CROWN
MODELS 9TV-301, 9TV-302

For Supplier Address See PHOTOFACT Index



MODEL 9TV-301

CROWN
MODELS 9TV-301, 9TV-302

SAFETY PRECAUTIONS

Make sure line voltage does not exceed rating of set.

Check high-voltage regulation and adjust to correct value.

Be sure shields and rear cover are in place and secure.

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

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

SERVICING IN THE FIELD

CRT - IMPLOSION PROTECTION AND CLEANING

A separate safety glass is employed; Remove two screws holding safety glass to cabinet front. Clean safety glass and picture tube front.

A .5 Amp fuse is used for AC line protection. (See "Cabinet - Rear View" photo for location).

VHF TUNER

Set fine tuning at the center of its range and adjust oscillator slug (one for each channel) for best sound and picture.

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Hold control. (See "Chassis-Top View" photo for location).

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Freq. control. (See "Cabinet-Rear View" photo for location).

WIDTH

The width may be varied by adjusting the Width Coil. (See "Cabinet - Rear View" photo for location, located between the yoke and the picture tube neck).

FOCUS

The focus may be varied by means of a focus control (See "Transistor Placement Chart for location).

AGC

The AGC may be varied by means of an AGC control. (See "Transistor Placement Chart for location).

CENTERING

Centering is accomplished by proper adjustment of two magnetic rings located on the yoke rear cover.

REMEMBER TO ASK— "What else needs fixing?"

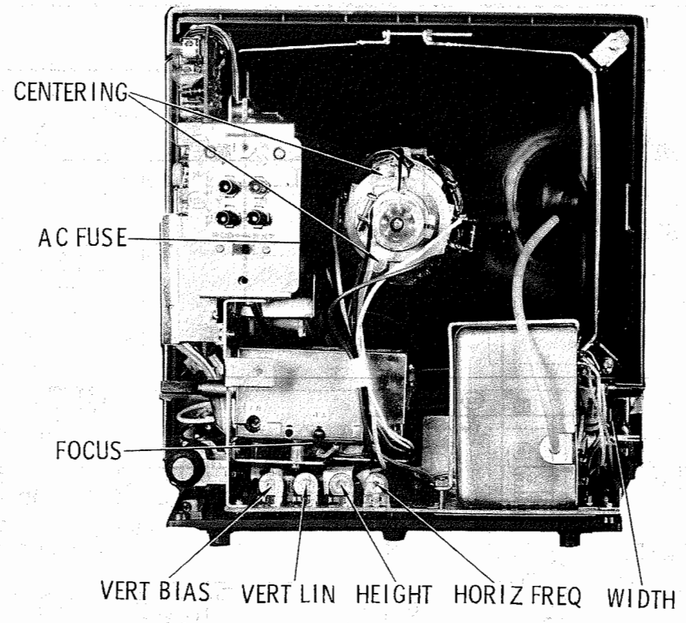
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

1PC142 10 9 8 7 6 5 4 3 2 1 0

DATE 10 -71 SET 1 2 0 4 FOLDER 2

CROWN
MODELS 9TV-301, 9TV-302

SET 1 204 FOLDER 2



CABINET–REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove eight screws holding cabinet back and remove control knobs. Disconnect antenna leads and power supply plug. Remove cabinet back from the cabinet front.

Disconnect picture tube socket, high voltage anode lead, speaker plug, radio plug and deflection yoke leads.

Remove six screws holding chassis to cabinet front and remove two screws holding control assembly to cabinet front. Remove two screws holding radio to cabinet front and remove chassis control assembly and radio from the cabinet front.

Remove six screws holding power supply to cabinet back and unsolder AC cord.

PICTURE TUBE REMOVAL

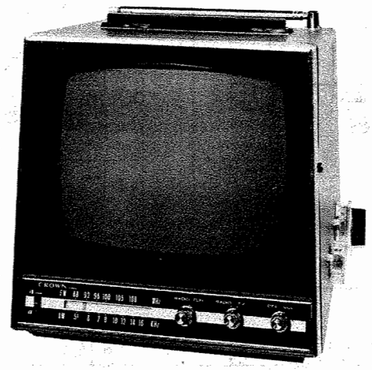
Follow "Chassis Removal" instructions and lay set face down on a soft protective surface.

Remove four screws holding picture tube mounting brackets to cabinet front. Remove picture tube from the cabinet front. Do not lift picture tube by the neck.

PHOTOFACT® Folder with CIRCUITRACE™

CROWN
MODELS 9TV-301, 9TV-302

For Supplier Address See PHOTOFACT Index



MODEL 9TV-301

SAFETY PRECAUTIONS

Make sure line voltage does not exceed rating of set.

Check high-voltage regulation and adjust to correct value.

Be sure shields and rear cover are in place and secure.

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

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

SERVICING IN THE FIELD

CRT - IMPLOSION PROTECTION AND CLEANING

A separate safety glass is employed; Remove two screws holding safety glass to cabinet front. Clean safety glass and picture tube front.

A .5 Amp fuse is used for AC line protection. (See "Cabinet - Rear View" photo for location).

VHF TUNER

Set fine tuning at the center of its range and adjust oscillator slug (one for each channel) for best sound and picture.

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Hold control. (See "Chassis-Top View" photo for location).

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Freq. control. (See "Cabinet-Rear View" photo for location).

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The width may be varied by adjusting the Width Coil. (See "Cabinet - Rear View" photo for location, located between the yoke and the picture tube neck).

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The focus may be varied by means of a focus control (See "Transistor Placement Chart for location).

AGC

The AGC may be varied by means of an AGC control. (See "Transistor Placement Chart for location).

CENTERING

Centering is accomplished by proper adjustment of two magnetic rings located on the yoke rear cover.

REMEMBER TO ASK— "What else needs fixing?"

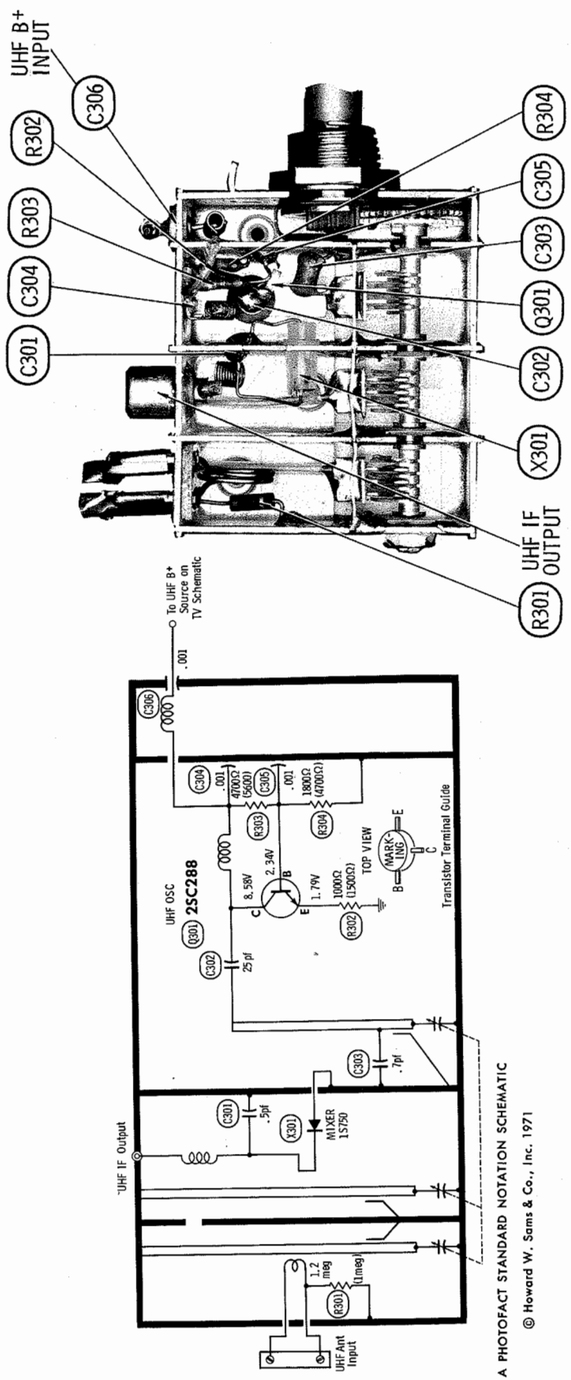
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

1PC142 10 9 8 7 6 5 4 3 2 1 0

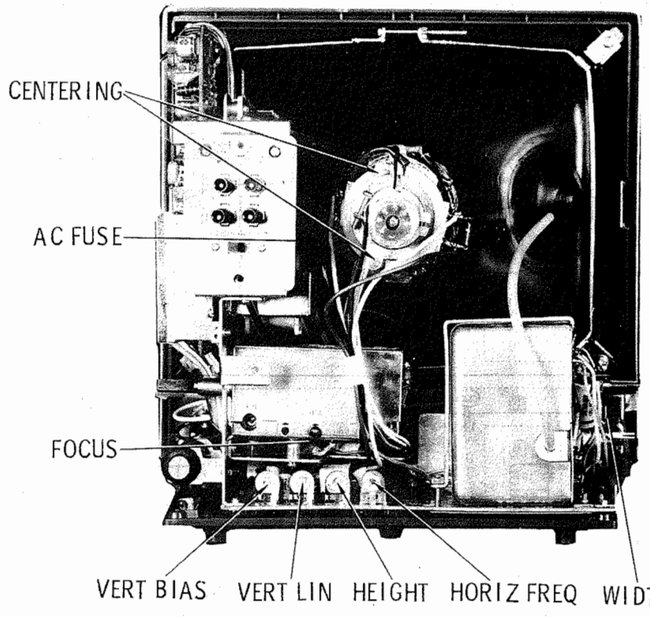
DATE 10 -71 SET 1 2 0 4 FOLDER 2

CROWN
MODELS 9TV-301, 9TV-302

SET 1 2 0 4 FOLDER 2



UHF TUNER



CABINET–REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove eight screws holding cabinet back and remove control knobs. Disconnect antenna leads and power supply plug. Remove cabinet back from the cabinet front.

Disconnect picture tube socket, high voltage anode lead, speaker plug, radio plug and deflection yoke leads.

Remove six screws holding chassis to cabinet front and remove two screws holding control assembly to cabinet front. Remove two screws holding radio to cabinet front and remove chassis control assembly and radio from the cabinet front.

Remove six screws holding power supply to cabinet back and unsolder AC cord.

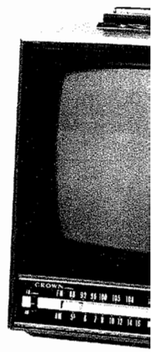
PICTURE TUBE REMOVAL

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

Remove four screws holding picture tube mounting brackets to cabinet front. Remove picture tube from the cabinet front. Do not lift picture tube by the neck.

PHOTOFACT® Folder with CIRCUITRAC

For Supplier Address See P



MODEL

SAFETY PR

Make sure line voltage does not exceed rating of set.

Check high-voltage regulation and adjust to correct value.

Be sure shields and rear cover are in place and secure.

SERVICING

CRT - IMPLOSION PROTECTION AND CLEANING

A separate safety glass is employed; Remove two screws holding safety glass to cabinet front. Clean safety glass and picture tube front.

A .5 Amp fuse is used for AC line protection. (See "Cabinet - Rear View" photo for location).

VHF TUNER

Set fine tuning at the center of its range and adjust oscillator slug (one for each channel) for best sound and picture.

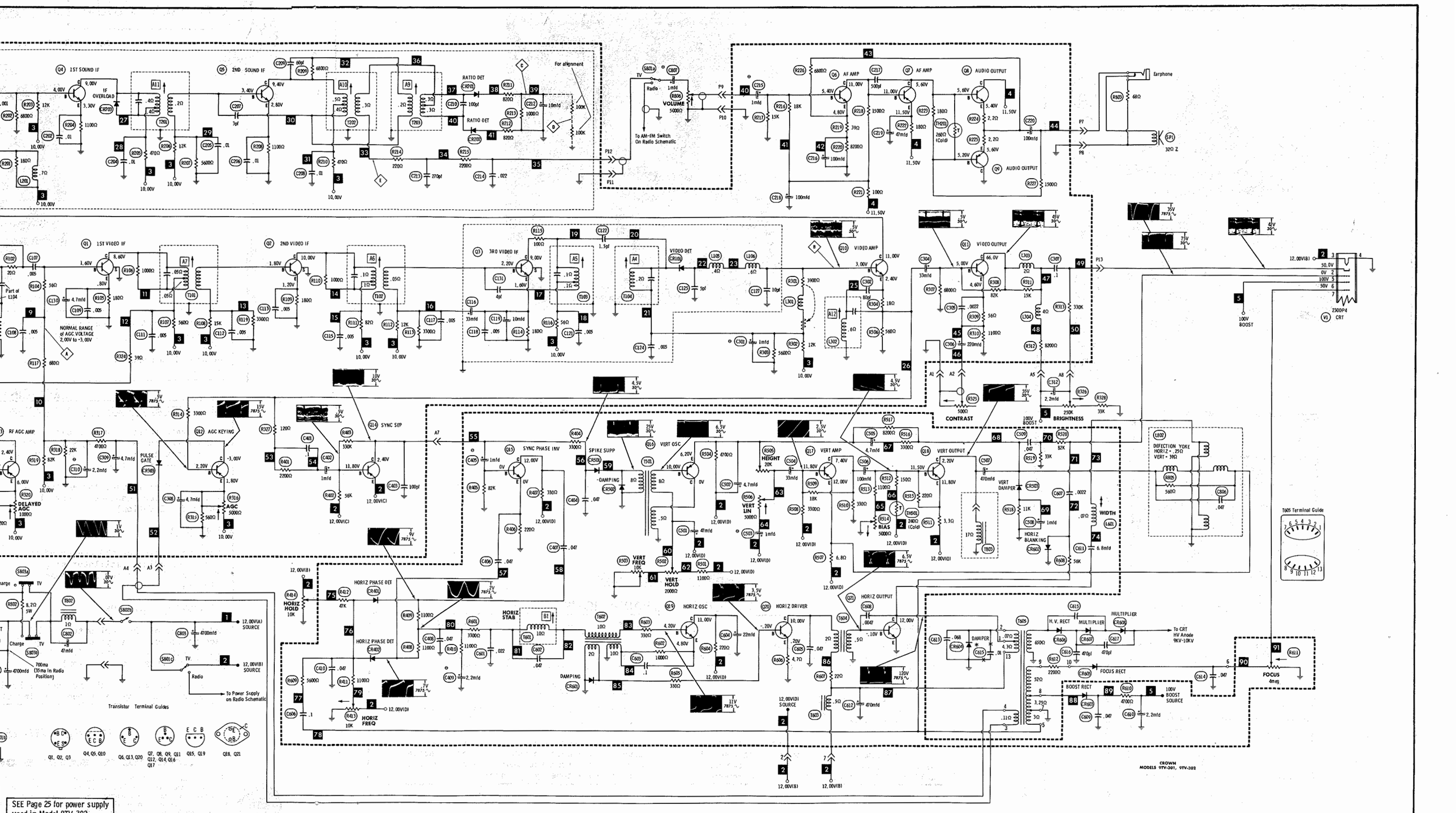
HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the Horiz Hold control. (See "Chassis-Top View" photo for location).

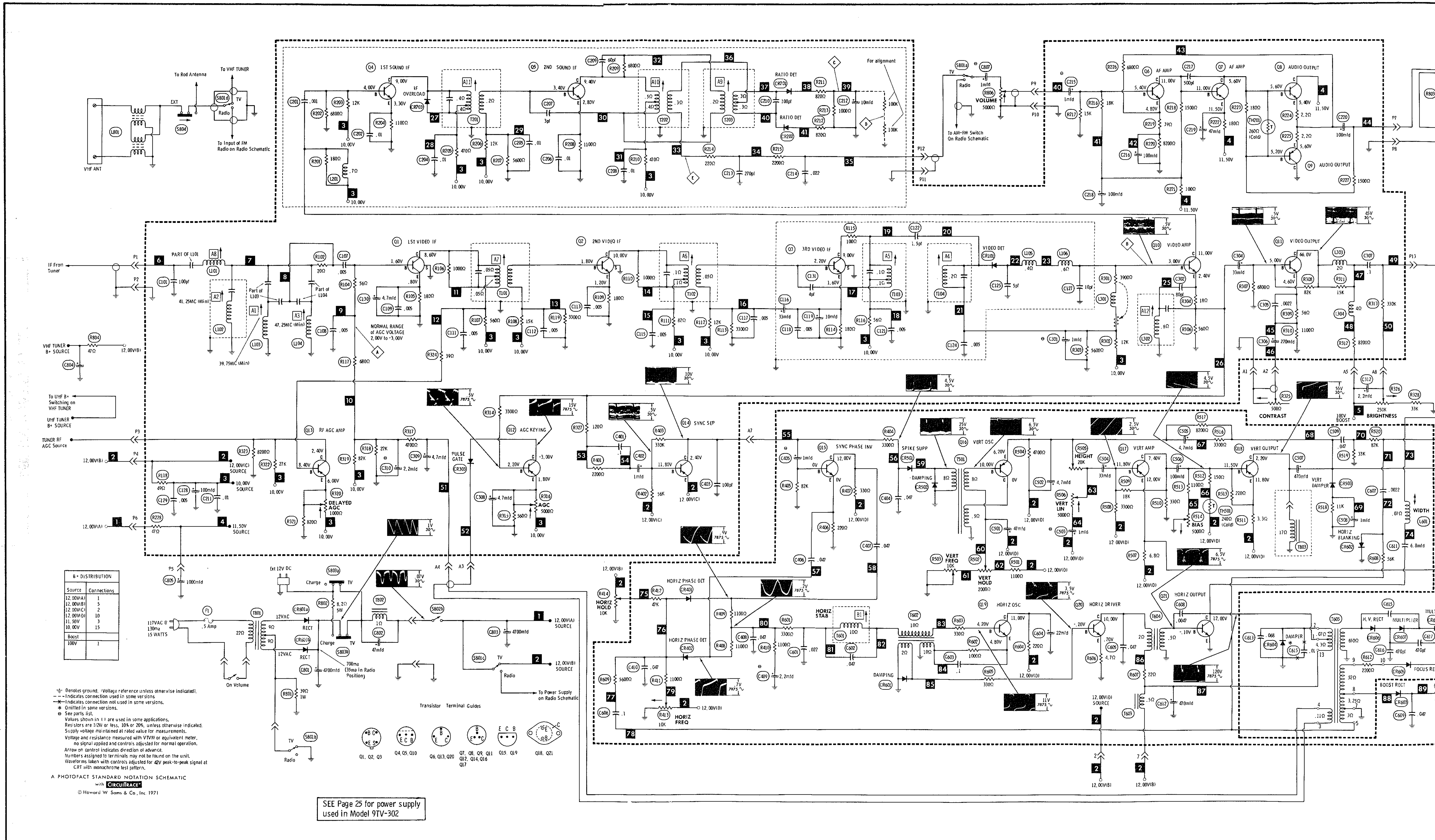
Coarse adjustment of the horizontal hold is accomplished by the proper setting of

REMEMBER TO ASK-

1PC142 10 9 8 7 6 5 4 3 2 1 0



SEE Page 25 for power supply used in Model 9TV-302



B+ DISTRIBUTION

Source	Connections
12.00V(A)	1
12.00V(B)	5
12.00V(C)	2
12.00V(D)	10
11.50V	3
10.00V	15
Boost	
100V	1

- Denotes ground. (Voltage reference unless otherwise indicated).
- - - Indicates connection used in some versions.
—✕— Indicates connection not used in some versions.
* Omitted in some versions.
⊖ See parts list.

Values shown in ( ) are used in some applications.
Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
Supply voltage maintained at rated value for measurements.
Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.
Arrow on control indicates direction of advance.
Numbers assigned to terminals may not be found on the unit.
Waveforms taken with controls adjusted for 42V peak-to-peak signal at CRT with monochrome test pattern.

A PHOTOFACT STANDARD NOTATION SCHEMATIC with CIRCUITRACE

SEE Page 25 for power supply used in Model 9TV-302

RESISTANCE MEASUREMENTS

ITEM	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	PIN 13	
V1	NC	350K	F11	F11	115K	75K	2meg							

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

ITEM	E	B	C		ITEM	E	B	C		ITEM	E	B	C	
Q1	180Ω	13K	550Ω		Q12	450Ω	3200Ω	5500Ω		VHF Q201	TUNER 470Ω	3000Ω	700Ω	
Q2	180Ω	2200Ω	150Ω		Q13	330Ω	550Ω	2000Ω		Q202	1000Ω	2400Ω	2800Ω	
Q3	180Ω	2200Ω	200Ω		Q14	30Ω	8500Ω	7500Ω		Q203	1000Ω	2000Ω	1800Ω	
Q4	1100Ω	4000Ω	450Ω		Q15	220Ω	75K	350Ω		UHF Q301	TUNER 1000Ω	1200Ω	80Ω	
Q5	1100Ω	3500Ω	450Ω		Q16	1200Ω	1100Ω	0Ω		Q1 RADIO	2200Ω	12K	600Ω	
Q6	3000Ω	6200Ω	1300Ω		Q17	40Ω	2000Ω	330Ω		Q2	3900Ω	11K	1000Ω	
Q7	220Ω	1300Ω	1000Ω		Q18	25Ω	120Ω	15Ω		Q3	3500Ω *	2600Ω *	1000Ω*	
Q8	1300Ω	1100Ω	50Ω		Q19	1000Ω	20K	220Ω		Q4	1000Ω	12K	3.9Ω	
Q9	1300Ω	1200Ω	0Ω		Q20	4.7Ω	330Ω	45Ω		Q5	1800Ω	2500Ω	2.2Ω	
Q10	550Ω	6000Ω	50Ω		Q21	0Ω	.5Ω	28Ω		Q6	1000Ω	12K	1000Ω	
Q11	1200Ω	6800Ω	60K											

* TAKEN IN AM POSITION
RADIO RESISTANCE TAKEN IN FM POSITION UNLESS OTHERWISE DESIGNATED.

TROUBLESHOOTING CHECK CHART

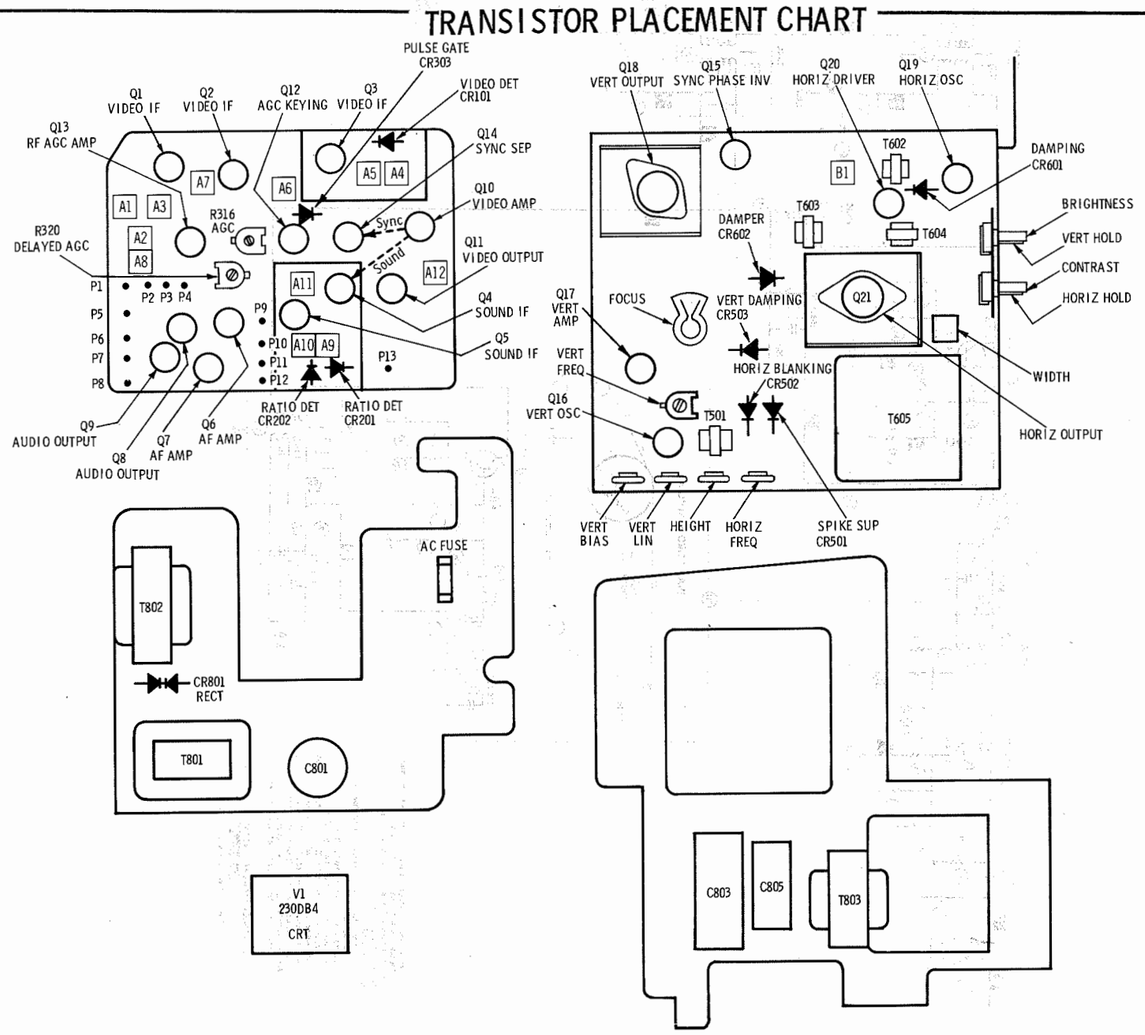
The following chart lists component failures most likely to produce the indicated symptom.

SWEEP
No raster, has sound CR606,CR607,CR608,V1
No vert. deflection Q19,Q20,Q21,CR603,CR604,
Poor vert. lin. or foldover Q16, Q17, Q18
Poor horiz. lin. or foldover Q16,Q17,Q18
Narrow picture Q21, CR604
Vert. off freq. CR801
Horiz. off freq. Q16
CR401,CR402,Q19

PICTURE or SOUND
No pic, no sound, no raster F1, CR801
No pic, no sound, has raster Q1,Q2,Q3,Q10,Q202
No pic, no sound, has snow Q201,Q202,Q203
No pic, has sound, no raster Q11, V1
No pic, has sound, has raster Q11
Has pic, no sound Q4 thru Q9
Overloaded picture Q12, Q13, CR101

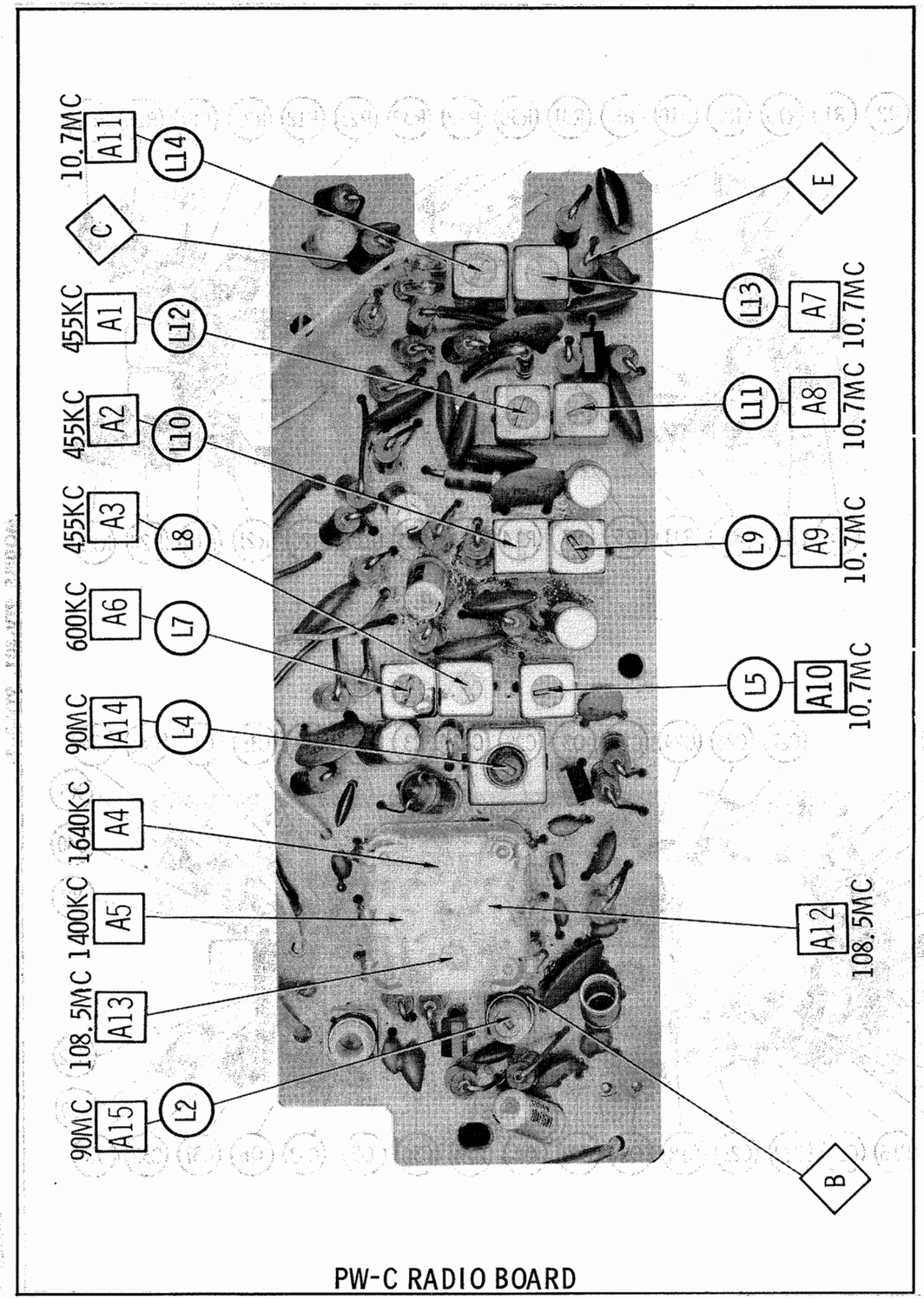
SYNC
No vert. sync Q16
No horiz. sync CR401,CR402,Q19
No vert. or horiz. sync Q14,Q15

TRANSISTOR PLACEMENT CHART



Denotes ground. (Voltage reference unless otherwise indicated).
Indicates connection used in some versions.
Indicates connection not used in some versions.
Omitted in some versions.
See parts list.
Measurements taken with switching in position shown unless otherwise indicated.
Measured with switching in "AM" position.
Values shown in Ω are used in some applications.
Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
Supply voltage maintained at rated value for measurements.
Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.
Arrow on control indicates direction of advance.
Numbers assigned to terminals may not be found on the unit.

A PHOTOFACT STANDARD NOTATION SCHEMATIC with CIRCUITRACE



PW-C RADIO BOARD

RADIO ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Maintain line voltage at 117VAC. Allow a 15-minute warm-up period.
Use only enough generator output to obtain a suitable indication.
Suggested Alignment Tools:

	GENERAL CEMENT:
A1 thru A13	#8868, 8987, 9089
A14, A15	#9440

AM ALIGNMENT—SELECTOR IN AM POSITION

Connect generator across loop fashioned of several turns of wire. Set volume at maximum.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC 400 cycle modulation	Tuning gang fully open.	Output Meter across voice coil.	A1, A2, A3	Adjust for maximum. Repeat until no further improvement can be made.
2.	1640KC	"	"	A4	Adjust for maximum.
3.	1400KC	Tune to signal	"	A5	"
4.	600KC	"	"	A6	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

Connect two 100K resistors in series from test point Ⓒ to ground (Used for Alginment only).
High side of generator thru .001mfd to point Ⓑ ,low side to ground.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC Unmodulated	Point of non-interference	DC probe of VTVM to point Ⓒ ,common to ground.	A7 Thru A10	Adjust for maximum.
6.	"	"	DC probe of VTVM to point Ⓓ ,common to point Ⓔ.	A11	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

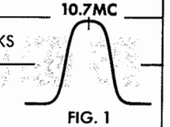


FIG. 1

FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mfd to point Ⓑ ,low side to ground. Use only enough marker signal for indication. Use 60 cycle frequency modulated signal with 450KC sweep. Use 60 cycle sawtooth voltage in scope for horizontal deflection.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
5.	10.7MC 450KC Sweep	Point of non-interference	Vert. amp of scope to point Ⓒ ,low side to ground.	A7 Thru A10	Disconnect stabilizing capacitor C 4 . Adjust for maximum gain and symmetry of response similar to Fig.1 with marker as shown. Reconnect C 4 .
6.	"	"	Vert. amp of scope to point Ⓓ ,low side to point Ⓔ.	A11	Adjust A11 (secondary) to place marker at center of "S" curve similar to Fig. 2. Readjust A7 (primary) for maximum amplitude and straightness of line.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead.

	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
7.	108.5MC	High freq. end	DC probe of VTVM to point Ⓒ ,common to ground.	A12 A13	Adjust for maximum.
8.	90MC Unmodulated	Tune to signal.	"	A14 A15	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

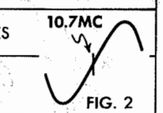
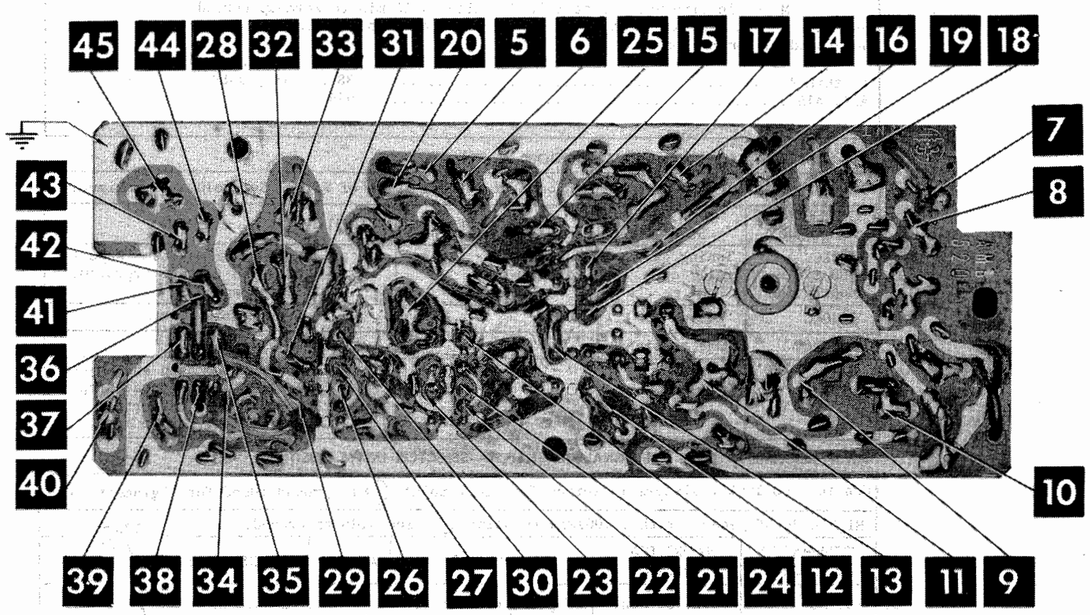
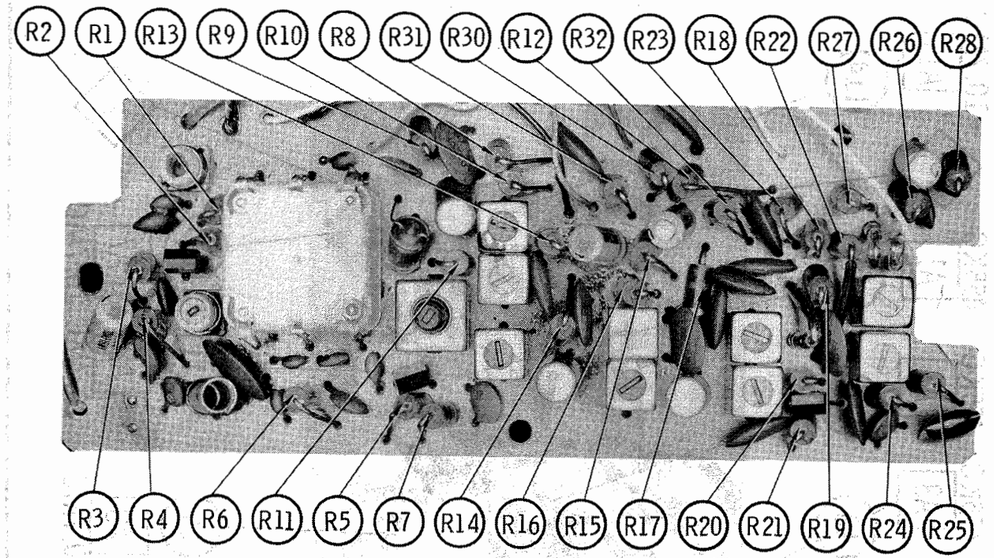
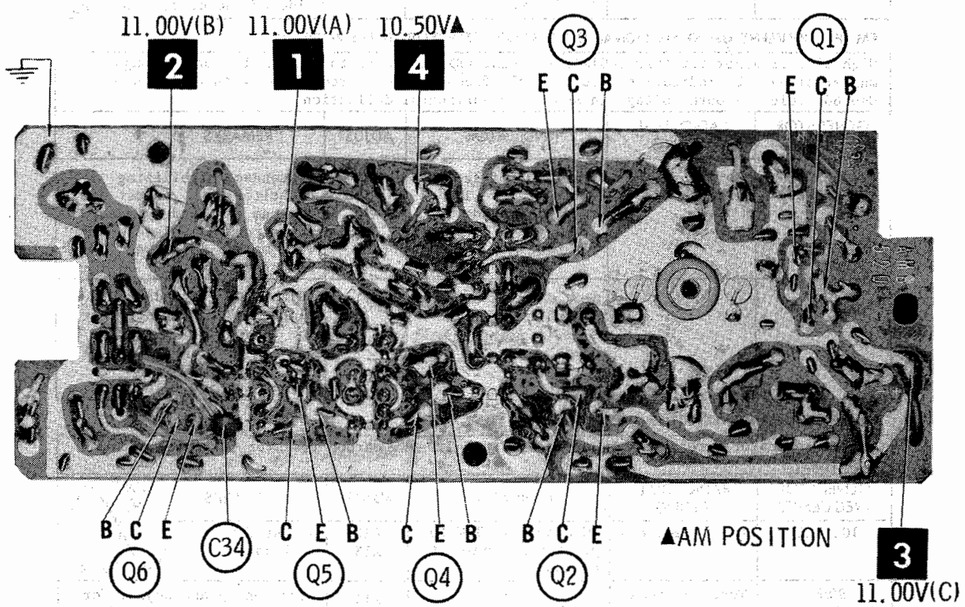
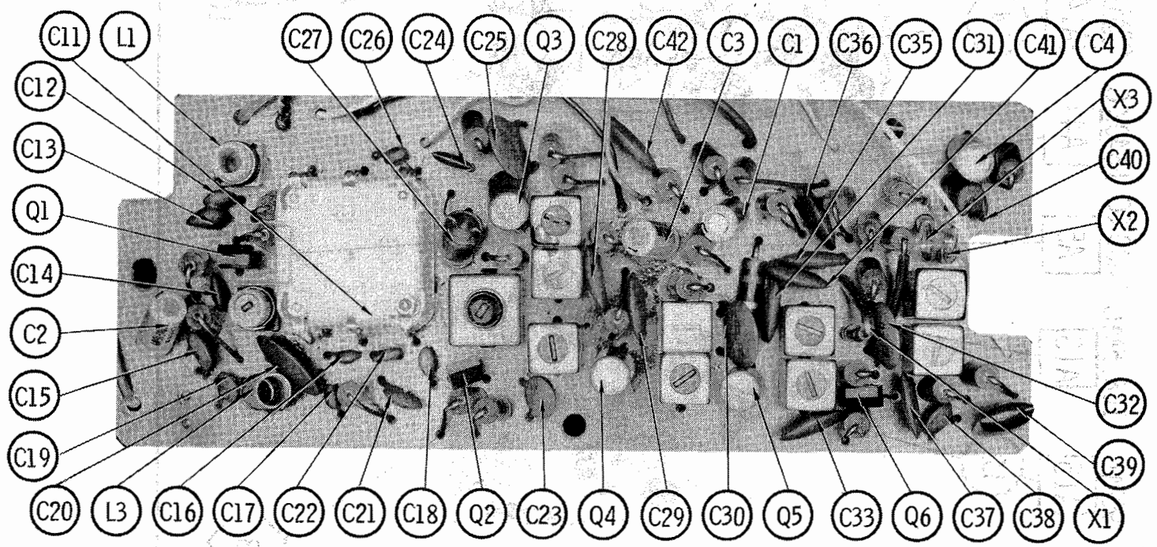


FIG. 2



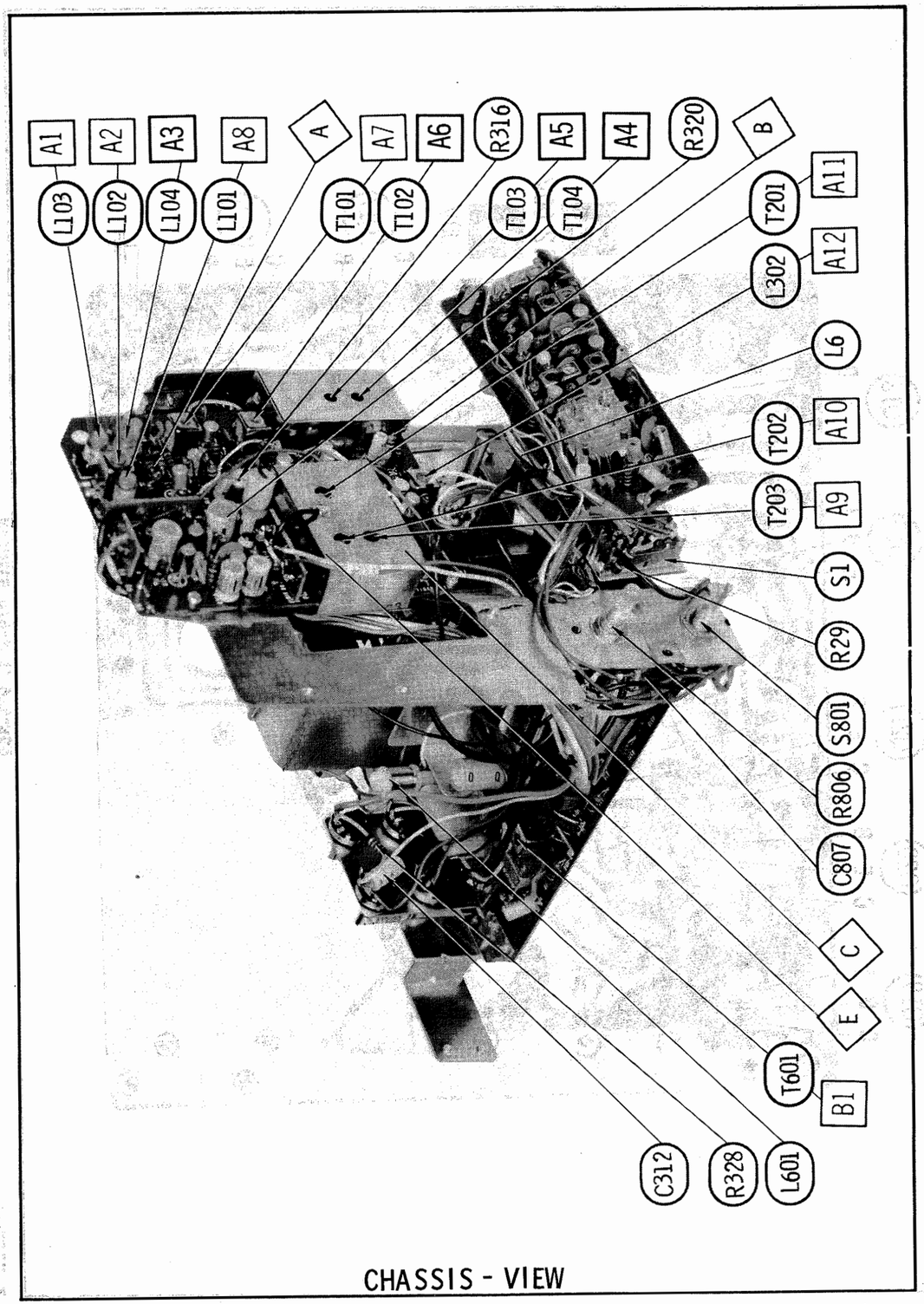






PW-C RADIO BOARD

A Howard W. Sams CIRCUITRACE® Photo



CHASSIS - VIEW

TV ALIGNMENT INSTRUCTIONS

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

Suggested Alignment Tools:	GENERAL CEMENT
A9, A10 & A11	#9293
A1 thru A8, A12	#9440

VIDEO IF ALIGNMENT

Set the channel selector to an unused high channel. Connect a variable bias supply to point (A) IF AGC line and adjust bias to obtain a response curve which shows no indication of overload. Connect the synchronized sweep voltage from the sweep. Marker generator to the horizontal input of the oscilloscope for horizontal deflection. Connect sweep-marker generator vertical output cable to oscilloscope vertical input. Use only enough generator output to maintain .6V P-P response curves. Note: Response curve may vary slightly from that shown.

INDICATOR	SWEEP-MARKER GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
DC probe of VTVM thru 47K to Point (B), common to ground.	High side thru .001mfd cap. to point (U) on VHF Tuner, low side to ground.		39.75MC 41.25MC 47.25MC	A1 A2 A3	Adjust for MINIMUM.
Vertical input of scope to Point (B), low side to ground.	"	44MC (10MC Sweep)	39.75MC 41.25MC 42.17MC 45.75MC 47.25MC	A4,A5, A6,A7,A8 and Tuner IF Output Coil	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.

SOUND IF ALIGNMENT

Turn channel selector to non-interfering channel. Connect two 100K resistors in series from point (C) to ground (used for alignment only).

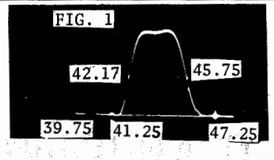
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CONNECT VTVM	ADJUST	REMARKS
High side thru .001mfd cap. to point (B), low side to ground.	4.5MC (Unmod)	DC probe to point (C), low side to ground.	A10, A11	Adjust for maximum.
"	"	DC probe to point (D), low side to point (E).	A9	Adjust for zero. A positive or negative reading will be obtained on either side of correct setting.

4.5MC TRAP ALIGNMENT

Tune in a strong TV signal and set the contrast at maximum. Adjust the fine tuning until a beat pattern is visible on the screen. Adjust A12 for MINIMUM beat interference.

HORIZONTAL SWEEP CIRCUIT ADJUSTMENT

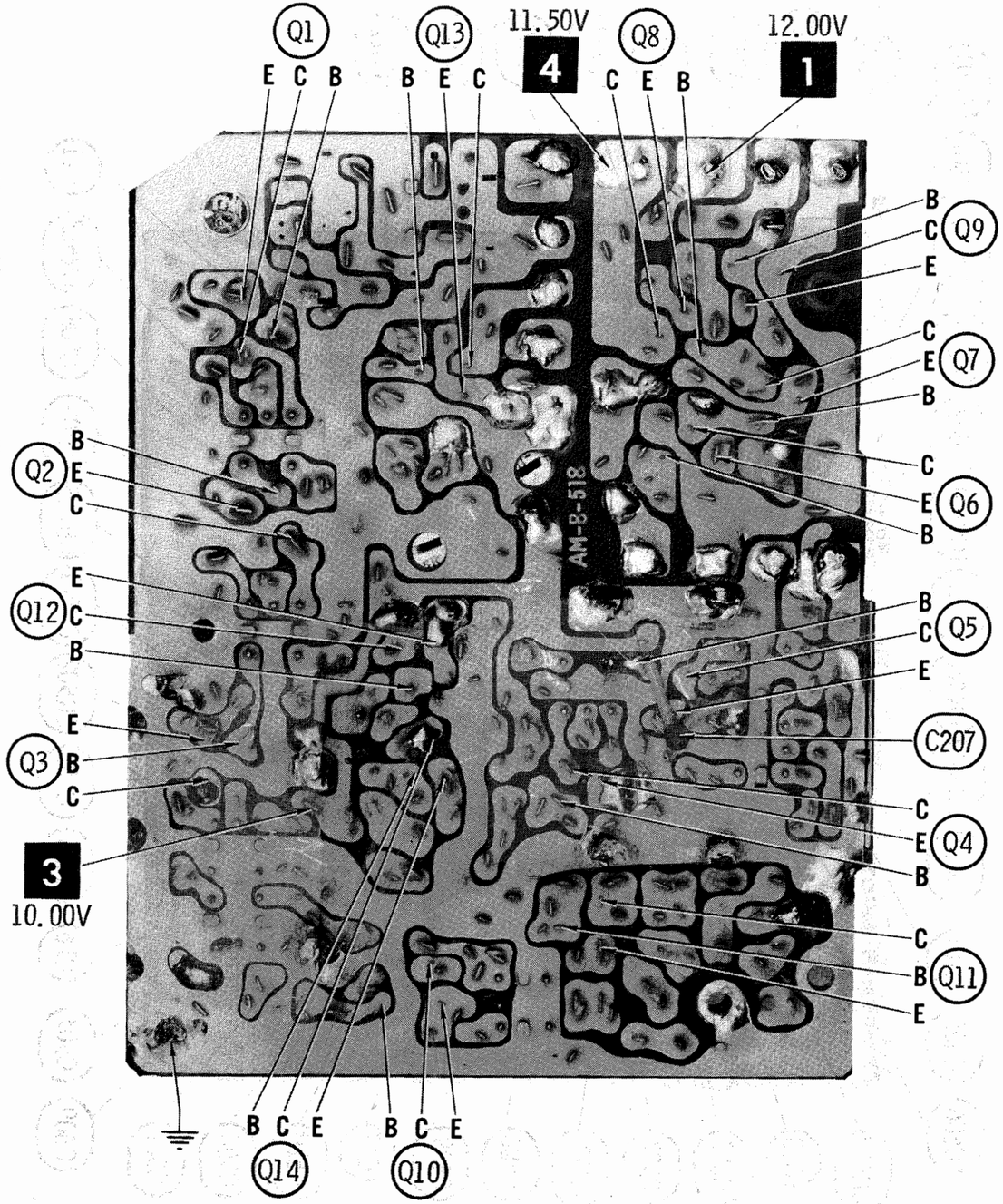
Tune in a TV station and adjust all controls for normal operation. Connect a jumper across the horizontal stabilizer coil T601. Set the horizontal hold control to the center of its range. Adjust the horizontal frequency control until the picture locks in. Remove the jumper from the horizontal stabilizer coil and adjust its core "B1" until the picture locks in. Check all available channels and repeat, if necessary.



PW-B DEFLECTION BOARD

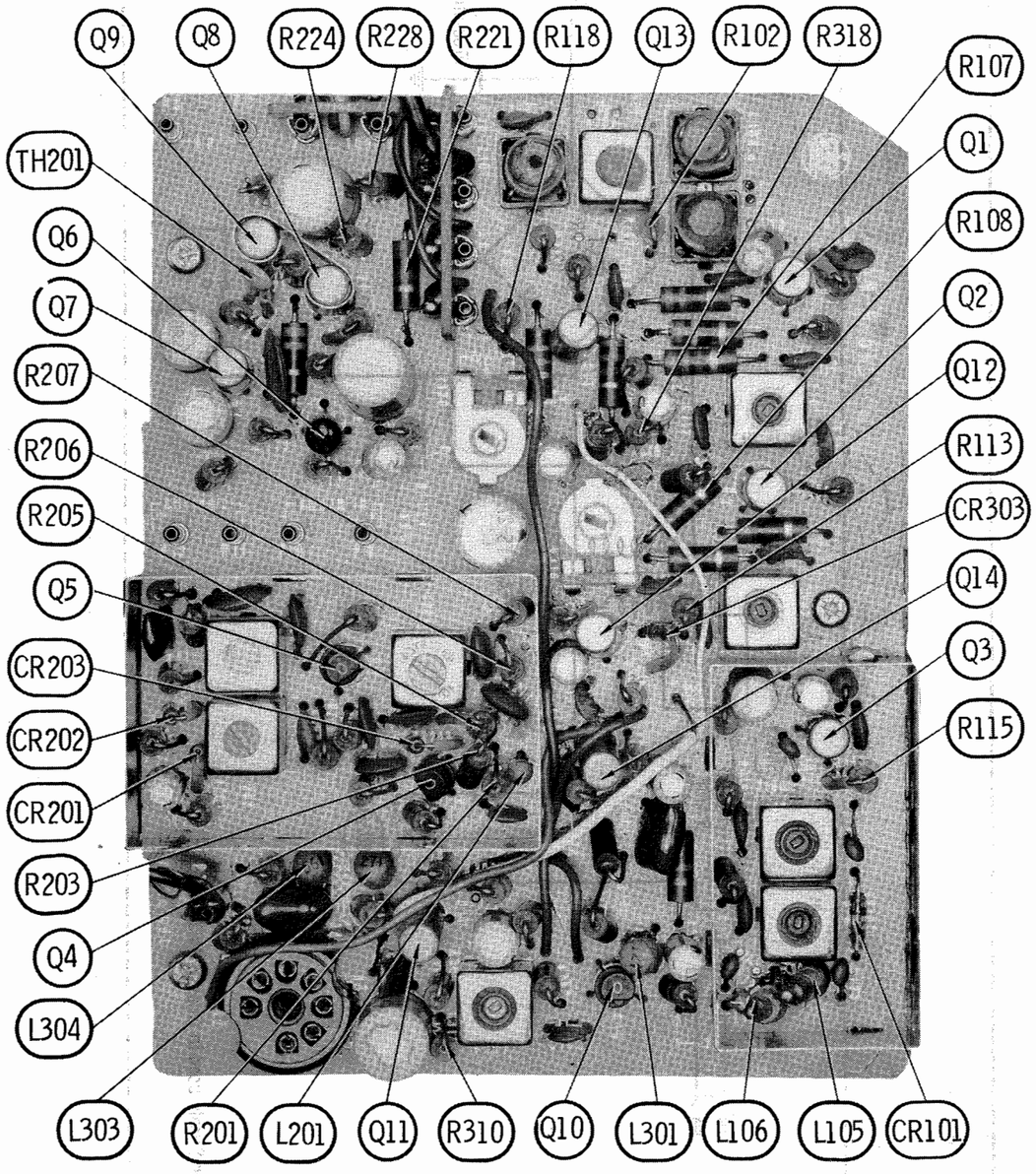
A Howard W. Sams CIRCUITRACE™ Photo

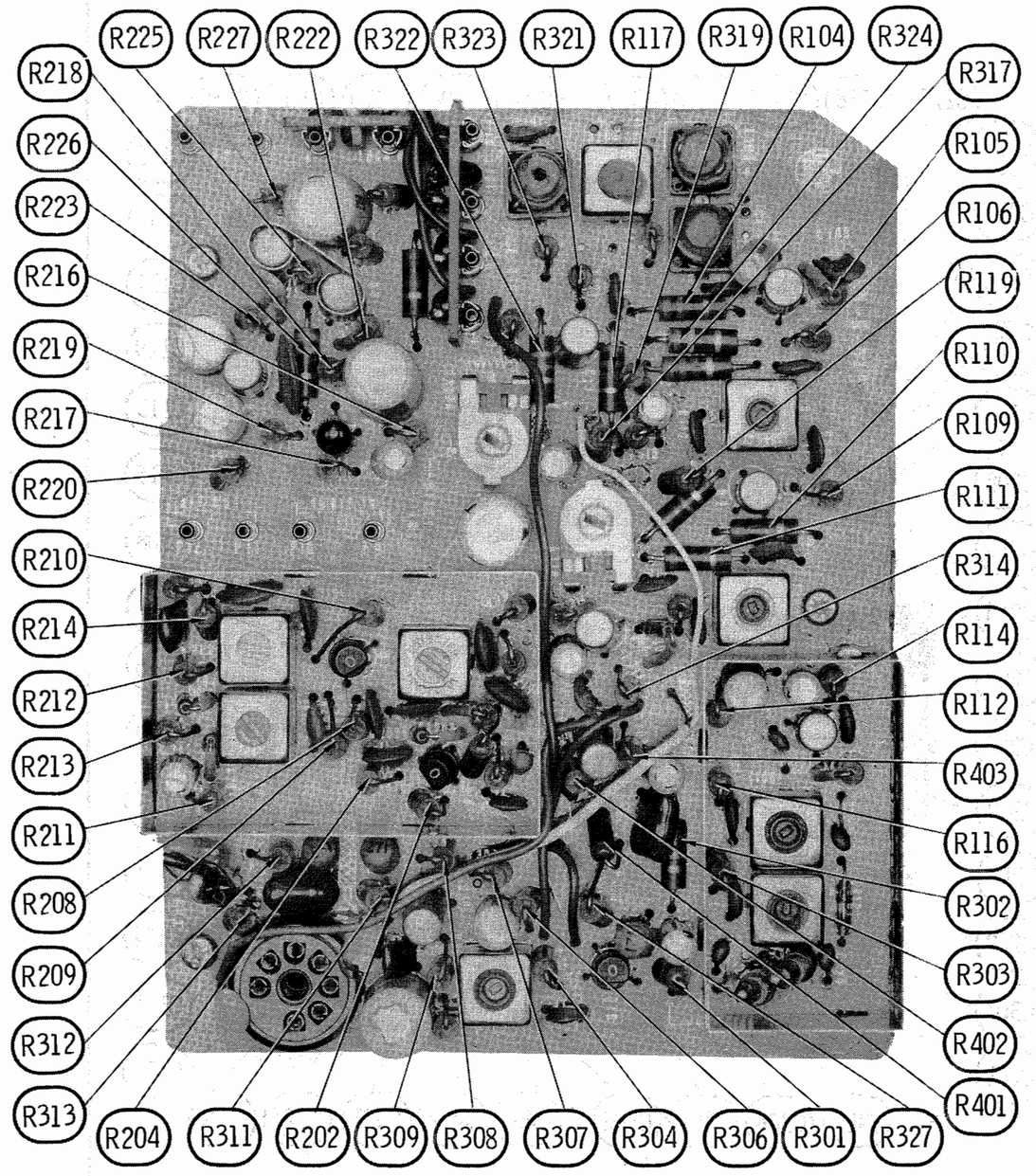
PW-B DEFLECTION BOARD



A Howard W. Sams CIRCUITRACE Photo

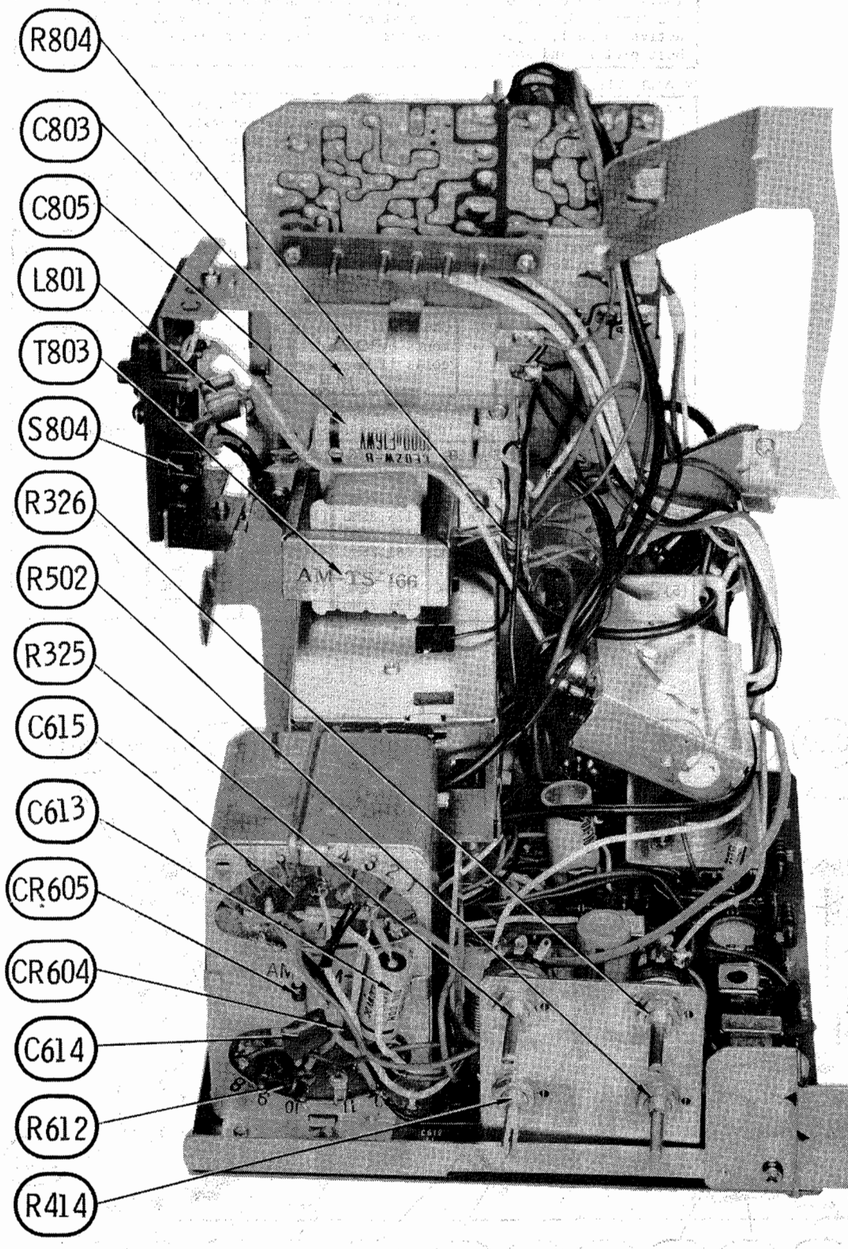
PW-A VIDEO-SOUND BOARD



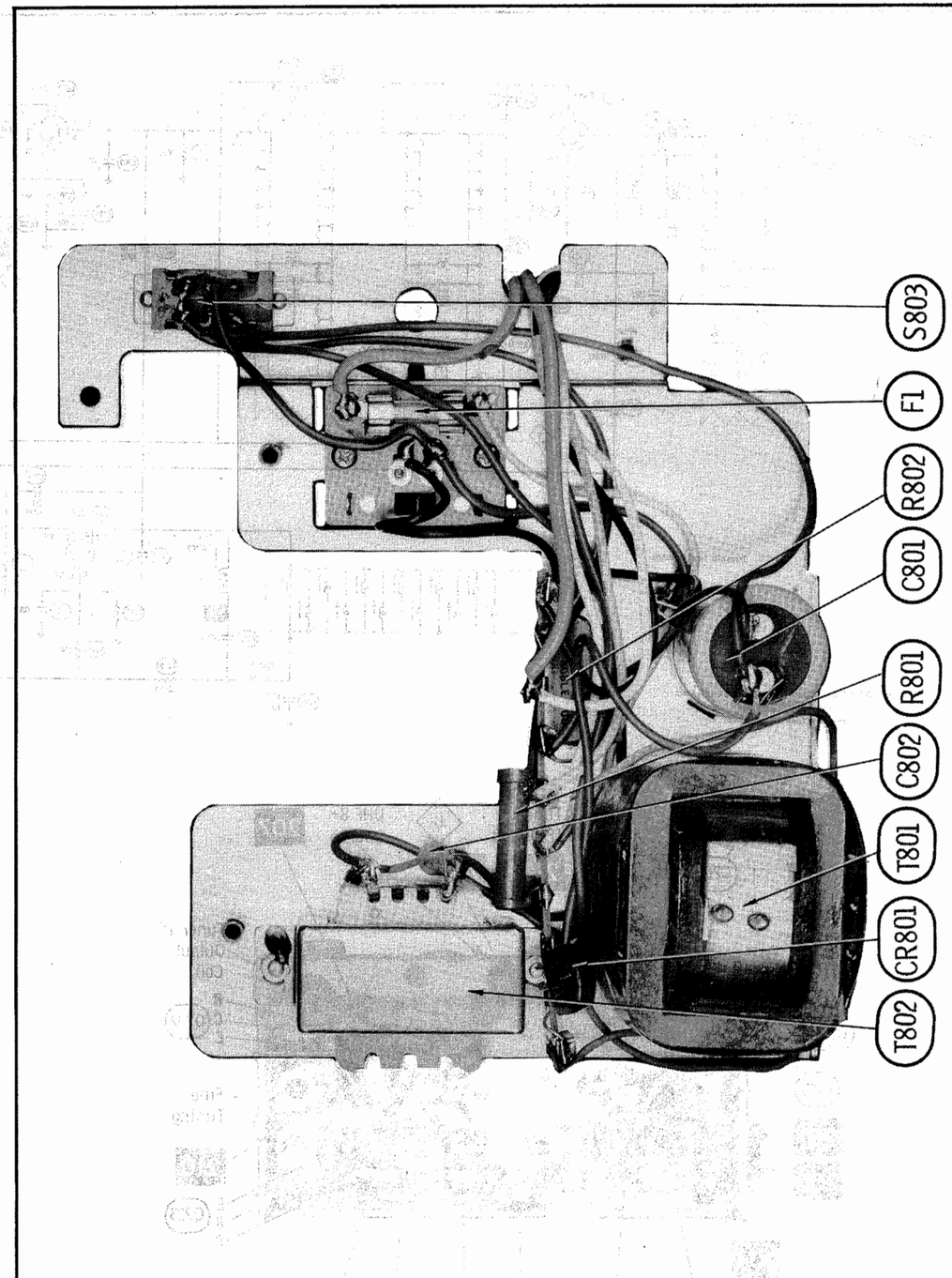


PW-A VIDEO-SOUND BOARD

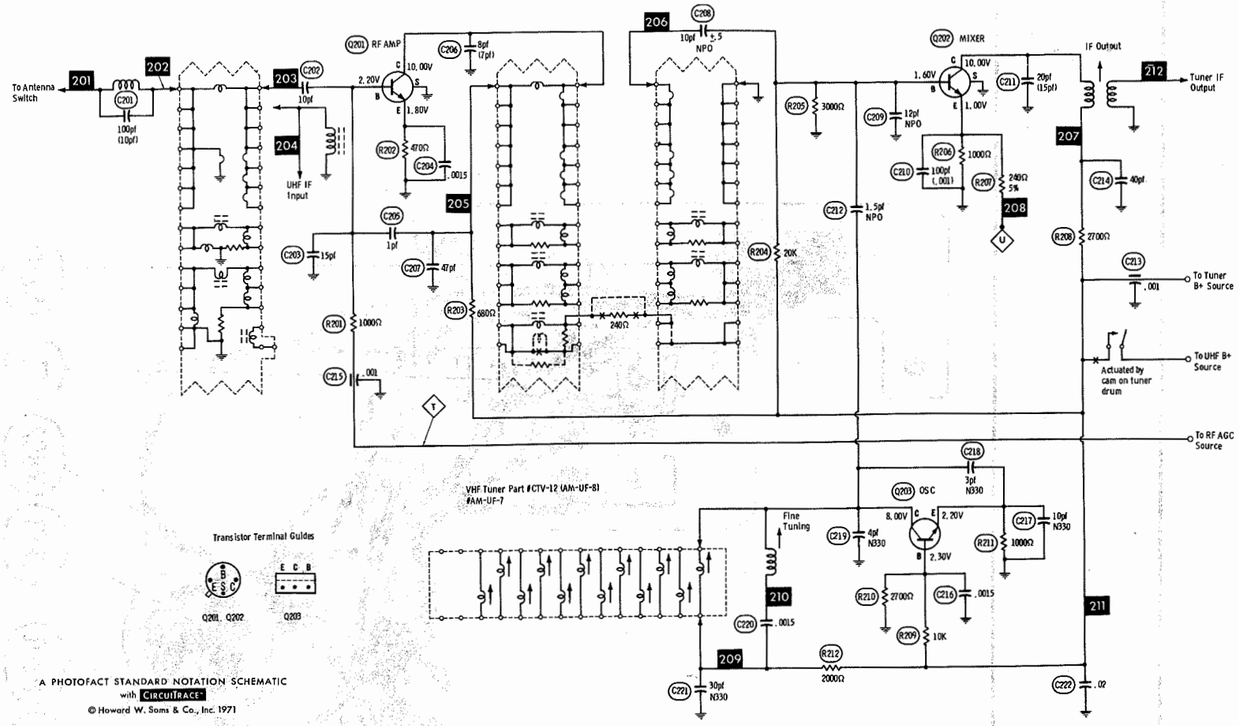
PW-A VIDEO-SOUND BOARD



CHASSIS - VIEW



POWER SUPPLY CHASSIS



A PHOTOFACT STANDARD NOTATION SCHEMATIC with CIRCUITRACE

VHF TUNER ALIGNMENT INSTRUCTIONS

OSCILLATOR ADJUSTMENTS

Individual oscillator slugs are accessible through a hole in the front of the tuner. Set the fine tuning at mid-range. Starting with the highest active channel, adjust the appropriate slugs, in descending order, for the best picture and sound.

RF AND MIXER ADJUSTMENTS

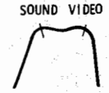
Connect the sweep generator across antenna terminals with 120-ohm carbon resistor in each lead. Refer to chart below for generator frequencies. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the scope for horizontal deflection. Use 10MC sweep unless otherwise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

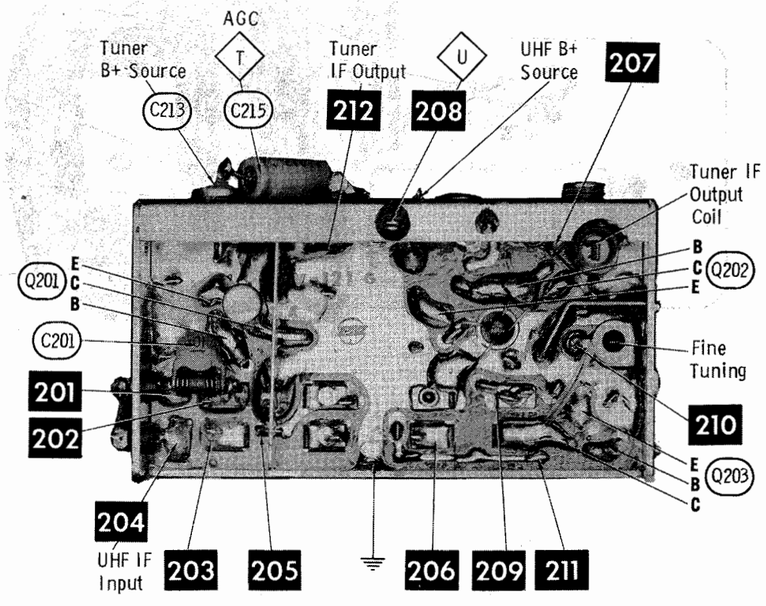
CHANNEL	CONNECT SCOPE	REMARKS
13	Vertical input to Point (U), low side to ground.	Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
12 thru 2	Vertical input to Point (U), low side to ground.	Check all channels and make compromise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

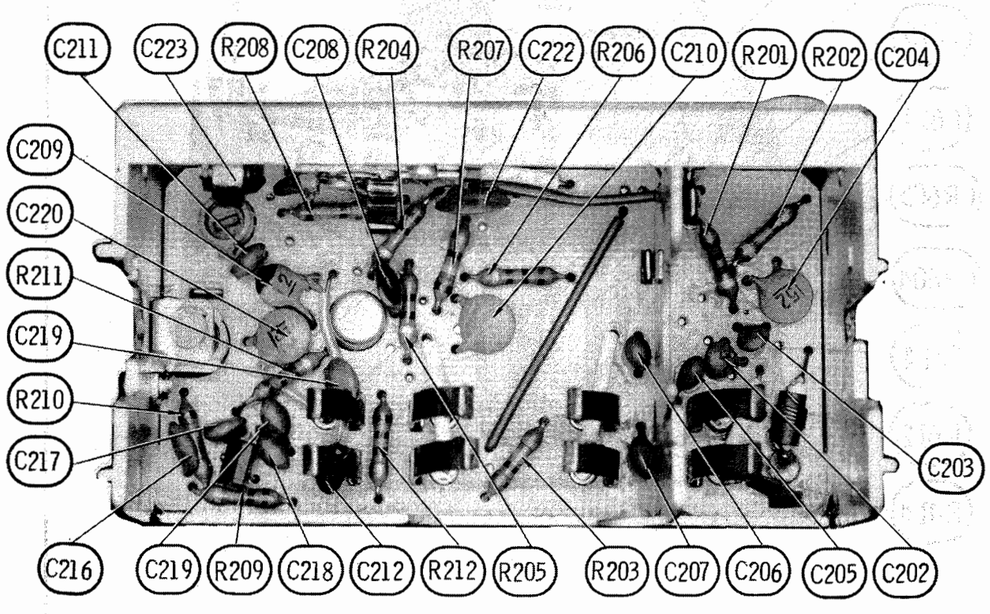
GENERATOR FREQUENCY
Numbers in () indicate channel number

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

FIG. 201







A Howard W. Sams CIRCUITRACE Photo

VHF TUNER

RADIO PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		CROWN PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	10 16V		MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C2	10 16V		MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C3	10 6.3V		MCD-70	EP6-10	WBR10-25	MT1-5	MTV10CB50	TE-1087
C4	10 6.3V		MCD-70	EP6-10	WBR10-25	MT1-5	MTV10CB50	TE-1087

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.
C11	Tuning Gang	#AM-S-198						
C12	20 50V		NPO-DI 20	DTZ-20	NP020	CCTO-200	CN0420	10TCC-Q20
C13	50 50V		NPO-DI 50	DTZ-50	NP050	CCTO-510	CN0450	10TCC-Q50
C14	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C15	.001 50V		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C16	15 50V		NPO-DI 15	DTZ-15	NP015	CCTO-150	CN0415	10TCC-Q15
C17	10 50V		NPO-DI 10	DTZ-10	NP010	CCTO-100	CN0410	10TCC-Q10
C18	4 50V		NPO-DI 33	DTZ-33	NP033	CCTO-330	CN0433	10TCC-Q33
C19	35 50V		NPO-DI 33	DTZ-33	NP033	CCTO-330	CN0433	10TCC-Q33
C20	500 50V		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C21	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C22	20 50V		NPO-DI 20	DTZ-20	NP020	CCTO-200	CN0420	10TCC-Q20
C23	.005 50V		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C24	.01 50V		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C25	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C26	8 50V		NPO-DI 8.2		NP08P2			10TCC-V82
C27	200 50V			CPR-200J	CD15F201J500	DM-15-201	SX320	MS-32
C28	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C29	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C30	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C31	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C32	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C33	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C34	2 50V		NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C35	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C36	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C37	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C38	.001 50V		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C39	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C40	.001 50V		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C41	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C42	.02 50V		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM Antenna	AM-LA-368			
L2	FM RF	AM-LS-93			
L3	RF Choke (16 Turns)	AM-LS-45			
L4	FM Oscillator	AM-LO-301			
L5	FM Input IF	AM-LI-73			
L6	Loopstick	AM-LA-367		7789	TA590
L7	AM Oscillator	AM-LO-302			
L8	AM Input IF	AM-LI-69	16-9033	8815	
L9	FM Interstage IF	AM-LI-74			
L10	AM Interstage IF	AM-LI-70	16-9034		
L11	FM Interstage IF	AM-LI-81			
L12	AM Output IF	AM-LI-72	16-9035		
L13	Ratio Detector (Pri.)	AM-LI-224			
L14	Ratio Detector (Sec.)	AM-LI-83			

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
S1	Switch Printed Circuit Board	AM-S-198 AM-B-520	AM-FM Selector (Slide). AM-FM (PW-C).

VHF TUNER 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.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q201	2SC683	RF Amp		GE-11	TR-22	HEP56	SK3018	ECG 108
Q202	2SC683 *	Mixer		GE-11	TR-22	HEP56	SK3018	ECG 108
Q203	2SC717	Oscillator		GE-11	TR-22	HEP56	SK3018	ECG 108

* Some versions may use 2SC717 in this application.

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.
C201	100pf		NPO-DI 100	DTZ-100	NP0100	CCTO-101	CN0310	10TCC-T10
C202	10pf		NPO-DI 10	DTZ-10	NP010	CCTO-100	CN0410	10TCC-Q10
C203	15pf		NPO-DI 15	DTZ-15	NP015	CCTO-150	CN0415	10TCC-Q15
C204	.0015		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C205	1pf		NPO-DI 1.0	TCZ-1			CN0510	10TCC-V10
C206	8pf				NP08			
C207	45pf		NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C208	10pf NPO ±.5		NPO-DI 10	DTZ-10	NP010	CCTO-100	CN0410	10TCC-Q10
C209	12pf NPO			TCZ-12	NP012	CCTO-120	CN0412	10TCC-Q12
C210	100pf		NPO-DI 100	DTZ-100	NP0100	CCTO-101	CN0310	10TCC-T10
C211	20pf		NPO-DI 20	DTZ-20	NP020	CCTO-200	CN0420	10TCC-Q20
C212	1.5pf NPO		NPO-DI 1.5	DTZ-1R5	NP01P5		CN0515	10TCC-V15
C213	.001							
C214	40pf			TCZ-39			CN0439	10TCC-Q39
C215	.001							
C216	.0015		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C217	10pf N330			TCA-10		*	*	10TCS-Q10
C318	3pf N330					*	*	10TCS-V30
C219	4pf N330					*	*	10TCS-V39
C220	.0015		GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C221	30pf N330 5%					*	*	10TCS-Q30
C222	.02		GPD Z5U203P	DD-203		CCD-203	GP120	10TS-S20

UHF TUNER 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.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q301	2SC288	UHF Oscillator		GE-11	TR-22	HEP56	SK3019	ECG 108

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X301	1S750	1N82A	1N82AG	1N82A	ECG 112	

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	.5pf							
C302	25pf (10pf)*							
C303	.7pf (.5pf)*							
C304	.001							
C305	.001							
C306	.001							

* Alternate used in some versions.

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.	8869 (17KV) or 8868 (25KV)
Shielded Hook-up Wire	Use BELDEN No.	8885 (Single Conductor)
		8738 (Two Conductor)
General-use Unshielded Hook-up Wire	Use BELDEN No.	8530 (Solid) Available in 12 Colors
		8524 (Stranded) Available in 12 Colors
300-Ohm Tuner Input Lead	Use BELDEN No.	8225
300-Ohm Antenna Lead-in	Use BELDEN No.	8230 or 8275
Antenna Rotor Cable	Use BELDEN No.	8464 (Flat) or 8484 (Round) - 4 Conductor
		8485 (Round) - 5 Conductor
		8488 (Round) - 8 Conductor

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	MFGR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V1	230DB4				

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SC682(A)	1st Video IF				HEP709		
Q2	2SC682(A)	2nd Video IF				HEP709		
Q3	2SC464 (2SC717)*	3rd Video IF				HEP709		
Q4	2SC371(O) (2SC838)*	1st Sound IF		GE-20	TR-21	HEP50	SK3018	ECG 108
Q5	2SC371(O) (2SC838)*	2nd Sound IF		GE-20	TR-21	HEP50	SK3018	ECG 108
Q6	CDC13000-1B	AF Amp		GE-18	TR-25	HEP243	SK3020	ECG 123A
Q7	2SB75(C)	AF Amp		GE-2	TR-14	HEP632	SK3004	ECG 102A
Q8	2SD96	Audio Output		GE-8	TR-09	HEP641	SK3010	ECG 103
Q9	2SB496	Audio Output		GE-2	TR-14	HEP254	SK3004	ECG 102A
Q10	2SC371(O) (2SC838)*	Video Amp		GE-20	TR-21	HEP50	SK3018	ECG 108
Q11	2SC856	Video Output			IRTR-51	HEP712	SK3040	ECG 154
Q12	2SA15	AGC Keying		GE-2	TR-14	HEP250	SK3004	ECG 102A
Q13	2SA15	RF AGC Amp		GE-2	TR-14	HEP250	SK3004	ECG 102A
Q14	2SA15	Sync Separator		GE-2	TR-14	HEP250	SK3004	ECG 102A
Q15	2SC828(Q) (2SC945)*	Sync Phase Inverter		GE-20	TR-21	HEP55	SK3020	ECG 123A
Q16	2SB77(B)	Vertical Oscillator		GE-2	TR-14	HEP633	SK3004	ECG 102A
Q17	2SB77(C)	Vertical Amp		GE-2	TR-14	HEP633	SK3004	ECG 102A
Q18	2SB472	Vertical Output		GE-25	TR-27	HEP232	SK3034	ECG 127
Q19	2SC828(Q) (2SC945(Q) *	Horizontal Oscillator		GE-20	TR-21	HEP55	SK3018	ECG 108
Q20	CDC8000-1B	Horizontal Driver		GE-20	TR-21	HEP55	SK3018	ECG 108
Q21	2SC664	Horizontal Output			IRTR-67	HEP704		ECG 163

* Alternate used in some versions.

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.

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	.5 AMP Quick Acting	AM-D-9	Z-901					

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	VHF Antenna	AM-K-87	JFD Replacement SON-6 (Use original Mounting Bracket)
	UHF Antenna		
	VHF Tuner	AM-UF-8	
	VHF Tuner	AM-UF-7	
	UHF Tuner	AM-UF-9	
S801	Switch	AM-S-235	TV-Radio
S803	Switch	AM-S-108	TV Charge (Slide)
S804	Switch	AM-S-205	Antenna Selector
	Printed Circuit Board	AM-B-518	Video-Sound (PW-A)
	Printed Circuit Board	AM-B-519	Deflection (PW-B)

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

ITEM	PART No.
Cabinet Model 9TV-301	T925-001A
Cabinet Model 9TV-302	T7002-003
Escutcheon	T925-002
Bottom Cover	T925-003
Plexiglass	T925-004
Window Panel	T925-005
Handle	T925-009

ITEM	PART No.
Dial Scale	T925-013
Dial Backplate	T925-014
Rear Cover	T818-023
Knob - Selector	T925-006
Knob - VHF Channel Selector	T925-010
Knob - Fine Tuning	T925-011
Knob - Volume	T907-012

RADIO 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.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SC461(B)	FM RF Amp		GE-11	TR-24	HEP53	SK3018	ECG 108
Q2	2SC461(B)	FM Converter		GE-11	TR-24	HEP53	SK3018	ECG 108
Q3	2SA351(A)	AM Converter		GE-9	TR-17	HEP639	SK3006	ECG 126
Q4	2SA351(A)	1st AM-1st FM IF Amp		GE-9	TR-17	HEP639	SK3006	ECG 126
Q5	2SA351(A)	2nd AM-2nd FM IF Amp		GE-9	TR-17	HEP639	SK3006	ECG 126
Q6	2SC460(B)	3rd FM IF Amp		GE-20	TR-21	HEP53	SK3018	ECG 108

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X1	1N60	1N60	1N60	1N60	ECG 109	
X2	1N60	1N60	1N60	1N60	ECG 110 (6)	(6) Matched pair.
X3	1N60	1N60	1N60	1N60	ECG 110 (6)	

COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA					
		MFGR. PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L601	Width Coil	AM-LS-146					

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T802	.70ADC	1	28mh	AM-LI-211 (AM-TS-211)*				* Alternate.

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T801	117VAC @ 130ma	24VAC CT @ .700ADC	AM-TS-265				

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L802	Yoke (Vert - 75mh) 90° (Horiz- 12mh)	AM-LS-200	DY-74AT(2)(3)		TY-112(1)(3)	(1) Remove jumper from terminals 1 & 3. (2) Remove jumper from terminals 1 & 4. (3) Use original damping network * Alternate.
T501	Vertical Blocking	AM-TS-71				
T601	Horizontal Stabilizer	AM-LS-191				
T602	Horizontal Oscillator	AM-TS-138				
T603	Horizontal Choke	AM-TS-165				
T604	Horizontal Driver	AM-TS-212				
T605	Horizontal Output	AM-WM-12				
T803	Vertical Choke	AM-LI-166 (AM-TS-166)*				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	4" x 2-5/8" PM, 32 ohms	AM-P-138		

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.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
CR101	1N60	1N60	1N60	1N60	ECG 109	
CR201	1N60	1N60	1N60	1N60	ECG 110 (6)	(6) Matching pair.
CR202	1N60	1N60	1N60	1N60	ECG 110 (6)	
CR203	1N60	1N60	1N60	1N60	ECG 109	
CR303	1N60	1N60	1N60	1N60	ECG 109	
CR401	1N60	1N60	1N60	1N60	ECG 110 (6)	
CR402	1N60	1N60	1N60	1N60	ECG 110 (6)	
CR501	1N60	1N60	1N60	1N60	ECG 109	
CR502	1N60	1N60	1N60	1N60	ECG 109	
CR503	1N60	1N60	1N60	1N60	ECG 109	
CR601	1N60	1N60	1N60	1N60	ECG 109	
CR602	1N34A	1N34AS	1N34A	1N34A	ECG 109	
CR603	10D2	GE-504A	8D4 or 5A4D	SK3031 or SK3017A	ECG 506	
CR604	BB2	GE-504A	8D6 or 5A6D	SK3017A or SK3032	ECG 506	
CR605	10D4	GE-504A	8D4 or 5A4D	SK3031 or SK3017A	ECG 506	
CR606	HS6/1				ECG 502	
CR607	HS6/1				ECG 502	
CR608	HS6/1				ECG 502	
CR801	10DC-1	GE-504A (1)	8D4 (1) or 5A4D (1)	SK3030 (1) or SK3031 (1)	ECG 116 (1) or ECG 117 (1)	(1) Two Required.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
			CROWN PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C116	33	6.3V		MCD-110	EP6-25	WBR35-50	MT1-13	MTV30CB25	TE-1093
C119	10	6.3V		MCD-70	EP6-10	WBR10-25	MT1-5	MTV10CB50	TE-1087
C128	100	16V		MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CF15	TE-1162
C130	4.7	6.3V		MCD-50	EP6-5	WBR5-50	MT1-3	MTV5CB50	TL-1084
C212	10	6.3V		MCD-70	EP6-10	WBR10-25	MT1-5	MTV10CB50	TE-1087
C215	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	16V	(1)						
C216	100	6.3V		MCD-170	EP6-100	WBR100-16	MT1-21	MTV100CB6	TE-1102
C218	100	16V		MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CF15	TE-1162
C219	47	16V		MCD-130	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C220	100	16V		MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CF15	TE-1162
C301	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	6.3V	(1)						
C304	33	6.3V		MCD-110	EP6-25	WBR35-50	MT1-13	MTV30CB25	TE-1093
C306	220	6.3V		MCD-210	EA6-250	WBR250-16	MT1-23	MTV200CK10	TE-1104
C308	4.7	6.3V		MCD-50	EP6-5	WBR5-50	MT1-3	MTV5CB50	TL-1084
C309	4.7	6.3V		MCD-50	EP6-5	WBR5-50	MT1-3	MTV5CB50	TL-1084
C310	2.2	35V		MCD-30	EP50-2	WBR2-50	MT1-1	MTV2CB50	TE-1301
	2.2	6.3V	(1)						
C312	2.2	100V		CRE951A		WBR2-450	MT1-2	MTV2CB100	TE-1401
C402	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	16V	(1)						
C405	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	6.3V	(1)						
C409	2.2	35V		MCD-30	EP50-2	WBR2-50	MT1-1	MTV2CB50	TE-1301
	2.2	6.3V	(1)						
C501	47	6.3V		MCD-130	EP6-50	WBR50-25	MT1-15	MTV50CB15	TE-1133
C502	4.7	10V		MCD-50	EP15-5	WBR5-50	MT1-3	MTV5CB50	TE-1127
C503	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	6.3V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1080
C504	33	6.3V		MCD-110	EP6-25	WBR35-50	MT1-13	MTV30CB25	TE-1093
C505	4.7	6.3V		MCD-50	EP6-5	WBR5-50	MT1-3	MTV5CB50	TL-1084
C506	100	6.3V		MCD-170	EP6-100	WBR100-16	MT1-21	MTV100CB6	TE-1102
C507	470	16V		PRS1220	EA15-500	WBR500-16	QT1-30A	MTV500DN15	TL-1166
C508	1	50V		MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C604	22	16V		MCD-90	EP15-25	WBR25-25	MT1-10	MTV20CD50	TE-1157
C610	2.2	100V		CRE951A		WBR2-450	MT1-2	MTV2CB100	TE-1401
C612	470	16V		PRS1220	EA15-500	WBR500-16	QT1-30A	MTV500DN15	TL-1166
C801	4700	16V		AFH1-04-60		WBR5000-16			TVL-1174
C802	47	6.3V		MCD-130	EP6-50	WBR50-25	MT1-15	MTV50CB15	TE-1133
C803	4700	16V		AFH1-04-60		WBR5000-16			TVL-1174
C804	10	16V		MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C805	1000	16V		PRS1230	EA15-1000	WBR1000-16	QT1-32	TC1501A	TL-1166.5
C807	1	25V		MCD-10		WBR1-50	MT1-1	MTV1CB50	TE-1200
	1	16V	(1)						

(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.
C101	100 50V		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C107	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C108	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C109	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C111	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C112	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C113	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C115	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C117	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C118	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C121	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C122	1.5 50V		NPO-DI 1.5	DTZ-1R5	NP01P5		CN0515	10TCC-V15
C124	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C125	5 50V		NPO-DI 5.0		NP05			10TCC-V50
C127	10 50V		NPO-DI 10	DTZ-10	NP010	CCT0-100	CN0410	10TCC-Q10
C129	.005 50V		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C131	4 50V				NP03P9			10TCC-V39
C201	.001 50V		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C202	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C204	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C205	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C206	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C207	3 50V		NPO-DI 3.0					10TCC-V30
C208	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C209	60 50V			TCZ-56			CN0456	10TCC-Q56
C210	100 50V		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C211	.01 50V		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C213	270 50V		GPD X5F271K	DD-271	GP270	CCD-271	GP327	10TS-T27
C214	.022 50V		V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD3
C217	500 50V		GPD X5F501K	DM-501	GP500	CCD-501	GP350	10TS-T50
C302	80 50V			DTZ-82	NP082	CCTO-820	CN0482	10TCC-Q82
C305	.0022 50V		DBE6D20		DPMS6D22	6DP-1-222	PVC6222	6PS-D22
C307	.1 50V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C401	.1 50V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C403	100 50V		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C404	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C406	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C407	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C408	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C410	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C509	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C601	.022 50V		V1612S22		DPMS6S22	1DP-1-223	PVC1122	225P22391WD3
C602	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C603	.1 50V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C605	.047 50V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C606	.1 50V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C607	.0022 50V		DBE6D22		DPMS6D22	6DP-1-222	PVC6222	6PS-D22
C608	.0047 100V		DBE6D47		DMS6D47	6DP-1-472	PVC6247	6PS-D47
C609	.047 100V		V1612S47		DPMS6S47	1DP-2-473	PVC1147	225P47391WD3
C611	6.8 50V		NPO-DI 6.8	DTZ-6R8	NPO6P8		CN0568	10TCC-V68
C613	.068 400V		DBE4S68		DPMS6S68	4DP-3-683	PVC6168	4PS-S68
C614	.047 400V		DBE6S47		DPMS6S47	4DP-3-473	PVC4147	4PS-S47
C615	.01 50V		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C616	470 50V		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C617	470 50V		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R316	AGC	5000	AM-VR-295				
R320	Delayed AGC	1000	AM-VR-294				
R325	Contrast	500	AM-VR-301				
R326	Brightness	250K	AM-VR-302				
R413	Horizontal Frequency	10K	AM-VR-293	TSV-10K or T-10K		X201R103B	MTC14L1
R414	Horizontal Hold	10K	AM-VR-303				
R502	Vertical Hold	2000	AM-VR-304				
R503	Vertical Frequency	10K	AM-VR-336				
R505	Height	20K	AM-VR-292	TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
R506	Vertical Linearity	5000	AM-VR-291	TSV-5K (1) or T-5000 (1)		X201R502B (1)	MTC53L1 (1)
R514	Vertical Bias	5000	AM-VR-291	TSV-5K (1) or T-5000 (1)		X201R502B (1)	MTC53L1 (1)
R611	Focus	4meg	AM-VR-335	T-4meg (2)			MTC355L1 (2)
R806	Volume/Switch	5000	AM-VR-340	F2-5000 (3) SSK100, KR-2		Q13-114 (2) or [BU1 (3), CF60, SS1, WF]*	RU53A, SL36, SL3250, US42 or [UA53A (3), SK1000, US42]

* "SNAPTROL"
(1) Cut off one of the outside terminals.
(2) For horizontal mounting, bend the two outside terminals to fit PC board. Use jumper to connect center terminal to PC board.
(3) Enlarge mounting hole.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R224	2.2 1/2W	WS-2.2	
R225	2.2 1/2W	WS-2.2	
R507	6.8 1/2W	WS-6.8	
R511	3.3 1/2W	WS-3.3	
R606	4.7 1/2W	WS-4.7	
R801	39 1W WW		

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R802	8.2 5W WW		AM-RS-15 (D-2B)
TH201	Thermistor (260 Cold)		
TH501	Thermistor (240 Cold)		(D-2B)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L101	1st Video IF	AM-LI-239			
L102	41.25MC Trap	AM-LI-168			
L103	39.75MC Trap	AM-LI-169			
L104	47.25MC Trap	AM-LI-170			
L105	RF Choke (2.1uh)	AM-LI-186		74F224AP	T812
L106	RF Choke (6.2uh)	AM-LI-185	19-2014	4610	T859
L201	RF Choke (10uh)	AM-LS-89	19-2017	4622	T860
L301	Peaking (120uh)	AM-LS-180			
L302	4.5MC Trap	AM-LI-178 (AM-LS-178)*			
L303	Peaking (270uh)	AM-LS-47	19-3275	6130	T316
L304	Peaking (560uh)	AM-LS-97		72F564AP	
L801	Balun	AM-LS-88			
T101	2nd Video IF	AM-LI-240			
T102	3rd Video IF	AM-LI-241			
T103	4th Video IF	AM-LI-242			
T104	Video Detector	AM-LI-243			
T201	Sound IF	AM-LI-218			
T202	Ratio Detector (Primary)	AM-LI-102			
T203	Ratio Detector (Secondary)	AM-LI-103			

* Alternate used in some versions.