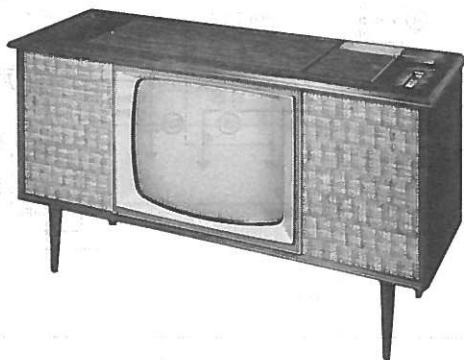


PHOTOFACT® Folder

with CIRCUITRACE™



MODEL 4173

**SILVERTONE CHASSIS 456/528.60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442**

IMPORTANT FILING NOTICE

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

INDEX

Remote Control Receiver Ch. 456/528.60186, Transmitter
Ch. 456/528.60183..... SET 704, FOLDER 4-A
AM-FM Ch. 528.54911..... SET 704, FOLDER 4-B

CAUTION
ONE SIDE OF AC LINE CONNECTED TO CHASSIS

TRADE NAME	SILVERTONE	MODELS	CHASSIS
	PC-4111/4113/4121	456.60380/381/382/383/385/387/388
	PC-4125	456.60440/441/442
	PC-4136/4140/4142/4144/4146/4148	456.60420/422/426
	PC-4137/4141/4143/4145/4147/4149	456.60421/423/427
	PC-4136A/4140A/4142A/4144A/4146A/4148A	...	456.60410/412/414/416/418
	PC-4137A/4141A/4143A/4145A/4147A/4149A	...	456.60411/413/415/417/419
	PC-4170	456.60422/426
	PC-4170A	456.60412/414/416/418
	PC-4171/4173/4175	456.60423/427
	PC-4171A/4173A/4175A	456.60413/415/417/419
	4111/4113/4121	528.60380/381/382/383/385/387/388
	4125	528.60440/441/442
	4136/4140/4142/4144/4146/4148	528.60420/422/426
	4137/4141/4143/4145/4147/4149	528.60421/423/427
	4136A/4140A/4142A/4144A/4146A/4148A	528.60410/412/414/416/418
	4137A/4141A/4143A/4145A/4147A/4149A	528.60411/413/415/417/419
	4170	528.60422/426
	4170A	528.60412/414/416/418
	4171/4173/4175	528.60423/427
	4171A/4173A/4175A	528.60413/415/417/419
SUPPLIER	Sears, Roebuck & Co., 925 So. Homan Ave., Chicago, Illinois		
TYPE SET	Television Receiver with Remote Control Receiver, and AM-FM Radio used in some models		
TUBES	VHF - Fourteen, UHF - Fifteen		
POWER SUPPLY	110-120 Volts AC, 60 Cycles		
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)		

FOR SERVICE INFORMATION ON RECORD CHANGER SILVERTONE 528.57666H — SEE SIMILAR UNIT — PHOTOFACT
SET 568 FOLDER 13

SERVICING IN THE FIELD

SAFETY GLASS

The safety glass is an integral part of the picture tube.

FUSE OR FUSE DEVICE

A Circuit Breaker is used for low voltage power supply protection and may be reset by depressing the reset button. (See "Tube Placement Chart" for location.)

VHF OSCILLATOR ADJUSTMENT

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

AGC

No provision is made to vary the AGC on this receiver.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Coarse adjustment of the horizontal hold is accomplished

by the proper setting of the Horizontal Stabilizer Coil and Horizontal Frequency Control.

WIDTH

The width may be varied by adjusting a metallic sleeve, located between the yoke and the picture tube neck.

FOCUS

The focus may be varied by means of a Focus Control. (See "Tube Placement Chart" for location.)

CENTERING

Centering is accomplished by 2 magnetic rings located on yoke rear cover.

HOWARD W. SAMs & CO., INC. Indianapolis 6, Indiana

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. MA718

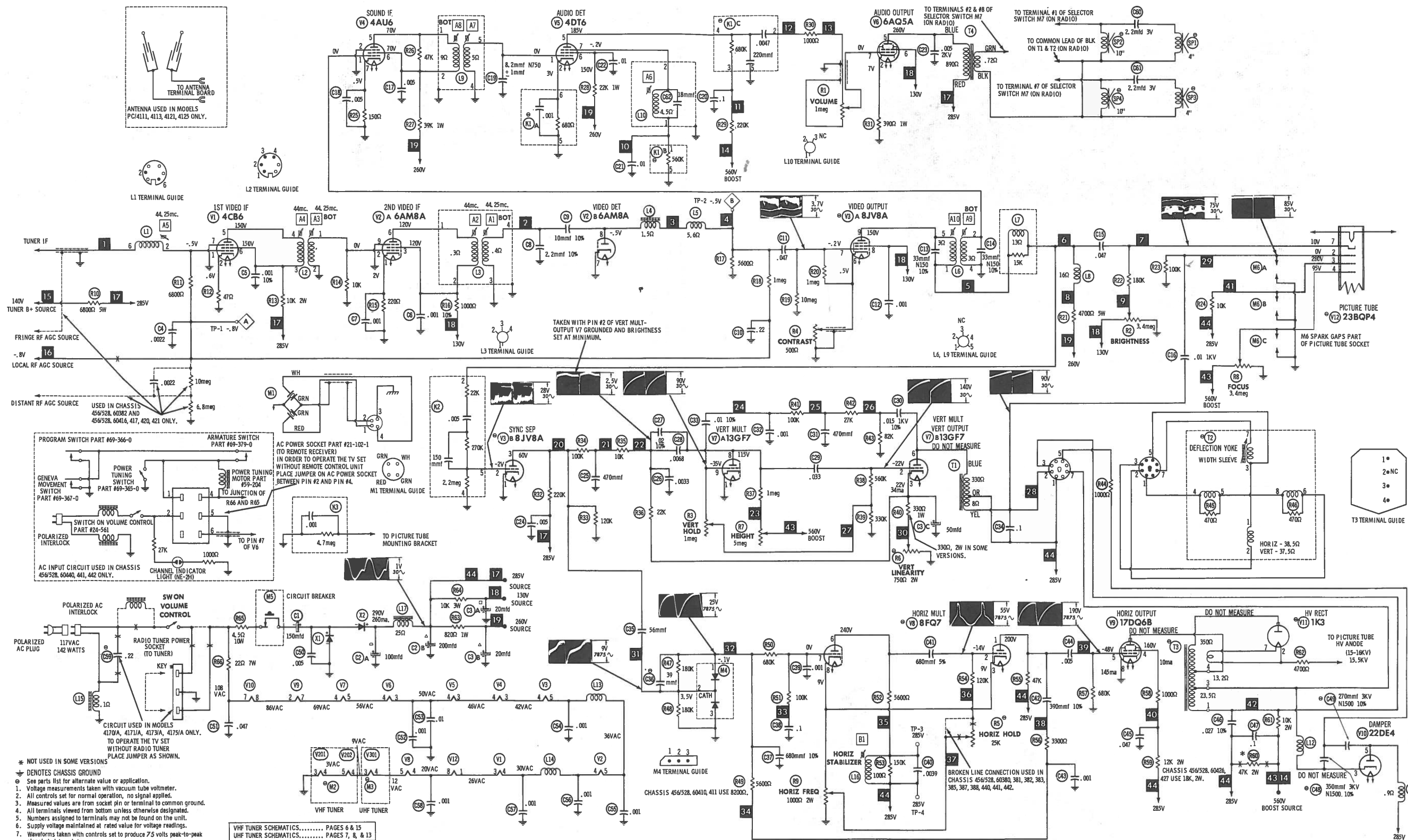


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DATE 7-64

SET 704 FOLDER 4

SILVERTONE CHASSIS 456/528.60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442

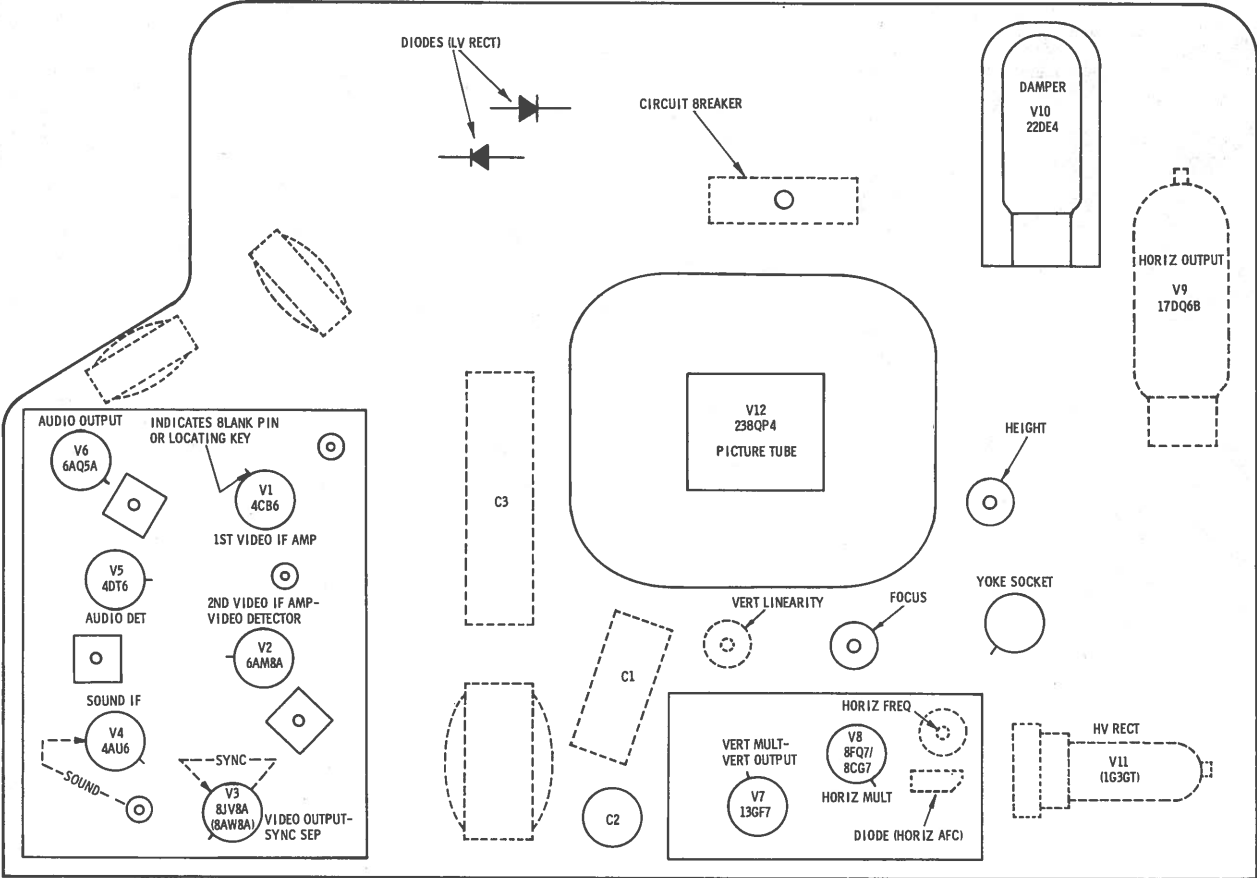


RESISTANCE MEASUREMENTS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	4BC6	1meg	47Ω	9Ω	10Ω	† 10K	† 10K	0Ω		
V2	6AM8A	220Ω	0Ω	† 11K	10Ω	13Ω	† 11K	0Ω	5600Ω	0Ω
V3	6JV8A	0Ω	2.2meg	#† 150K	17Ω	13Ω	25Ω	1meg	† 10K	† 5500Ω
V4	4AU6	3Ω	0Ω	17Ω	19Ω	† 40K	† 40K	150Ω		
V5	4DT6	5Ω	680Ω	19Ω	20Ω	† 910K	† 23K	560K		
V6	6AQ5A	NC	390Ω	20Ω	22Ω	† 915Ω	† 10K	60K		
V7	13GF7	0Ω	890K	600Ω	27Ω	22Ω	† 355Ω	NC	† 3.9meg	600K
V8	8FQ7	† 47K	140K	1000Ω	8Ω	4Ω	† 5600Ω	1meg	1000Ω	0Ω
V9	17DQ6B	NC	33Ω	TP	† 13K	680K	NC	27Ω	0Ω	TOP CAP † 13Ω
V10	22DE4	TP	NC	# 150K	NC	† 26Ω	TP	38Ω	33Ω	
V11	1K3	PINS 1 THRU 8 HAVE INFINITE RESISTANCE								TOP CAP † 363Ω
V12	23BQP4	9Ω	100K	† 10K	† 660K	0Ω	NC	190K	8Ω	
V201	3HA5	1.1meg	0Ω	0Ω	1Ω	† 8000Ω	0Ω	0Ω		
V202	6CG8A	15K	† 11.2K	0Ω	3Ω	1Ω	† 9000Ω	† 11.2K	0Ω	220K
V301	3DZ4	† 11.2K	5600Ω	3Ω	4Ω	0Ω	5600Ω	† 11.2K		

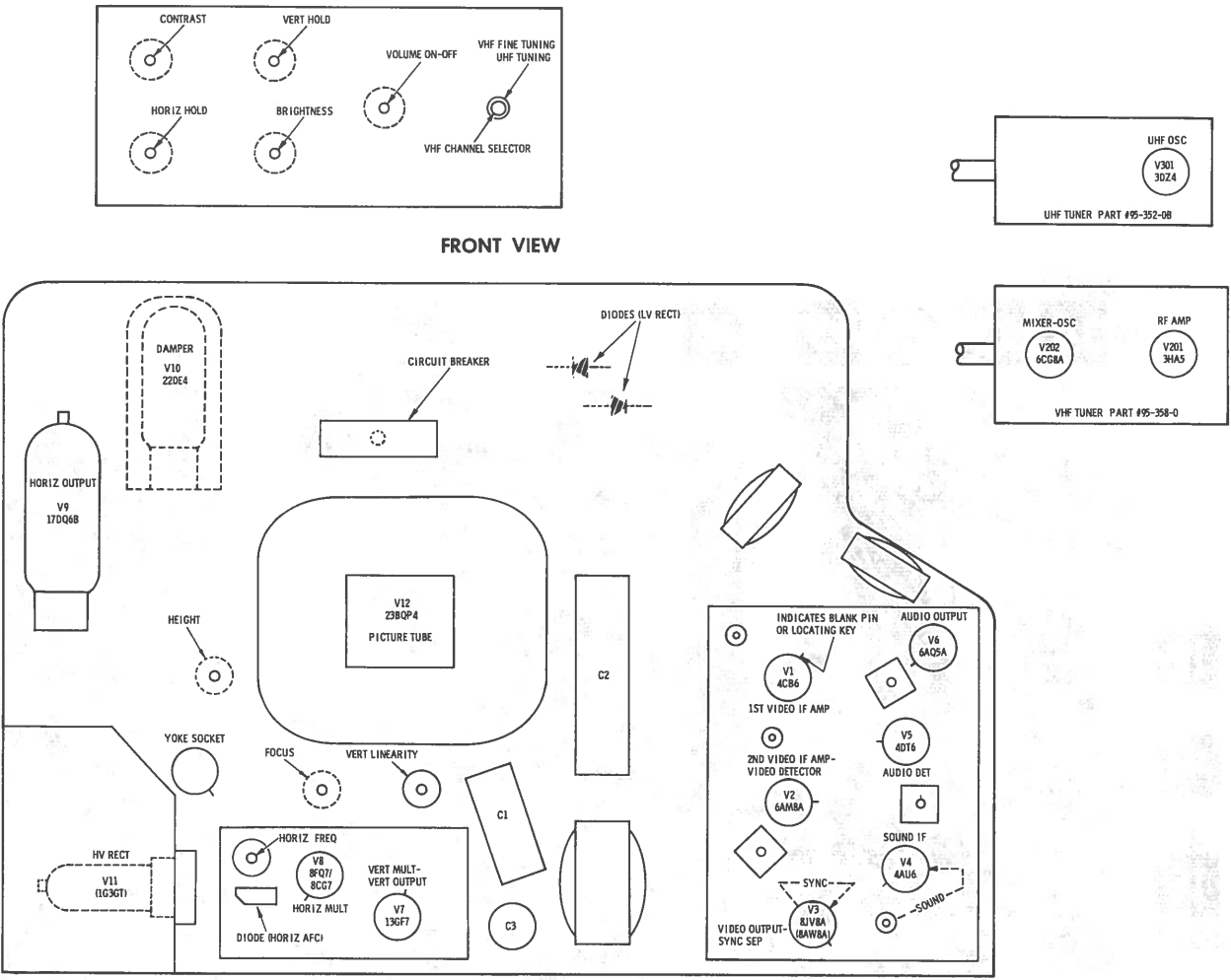
THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
† MEASURED FROM OUTPUT OF RECTIFIER X2. ▲ TAKEN IN "UHF" POSITION.
‡ MEASURED FROM PIN 3 OF V10. NC NO CONNECTION TP TIE POINT

REAR VIEW



TUBE PLACEMENT CHART

TUBE PLACEMENT CHART



TUBE FAILURE CHECK CHART

The following chart lists tubes whose failures are most likely to produce indicated symptoms. Refer to tube placement chart for location and type of tube.

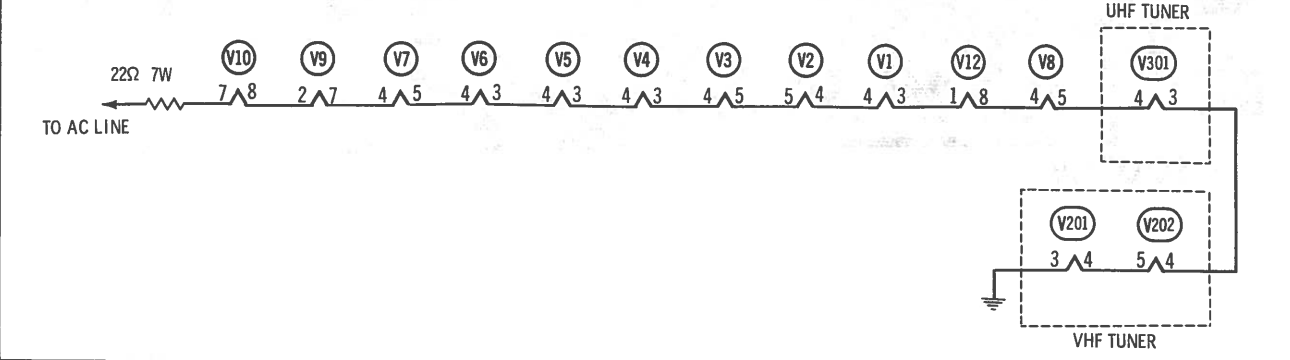
POWER SUPPLY FAILURE
No raster, no sound M5 (Circuit Breaker), X1, X2

SWEEP FAILURE
No raster, has sound V8, V9, V10, V11, V12
No vertical deflection V7
Poor vert. linearity or foldover V7
Poor horiz. linearity or foldover V8, V9, V10
Narrow picture X1, X2, V8, V9, V10
Vert. off freq. V7
Horiz. off freq. V8, M4 (Horiz. AFC Diode)

LOSS OF PICTURE OR SOUND
No pic, no sound, has raster V1, V2, V3
No pic, no sound, has snow V201, V202, V1
No pic, has sound, has raster V3, V12
Has pic, no sound V4, V5, V6

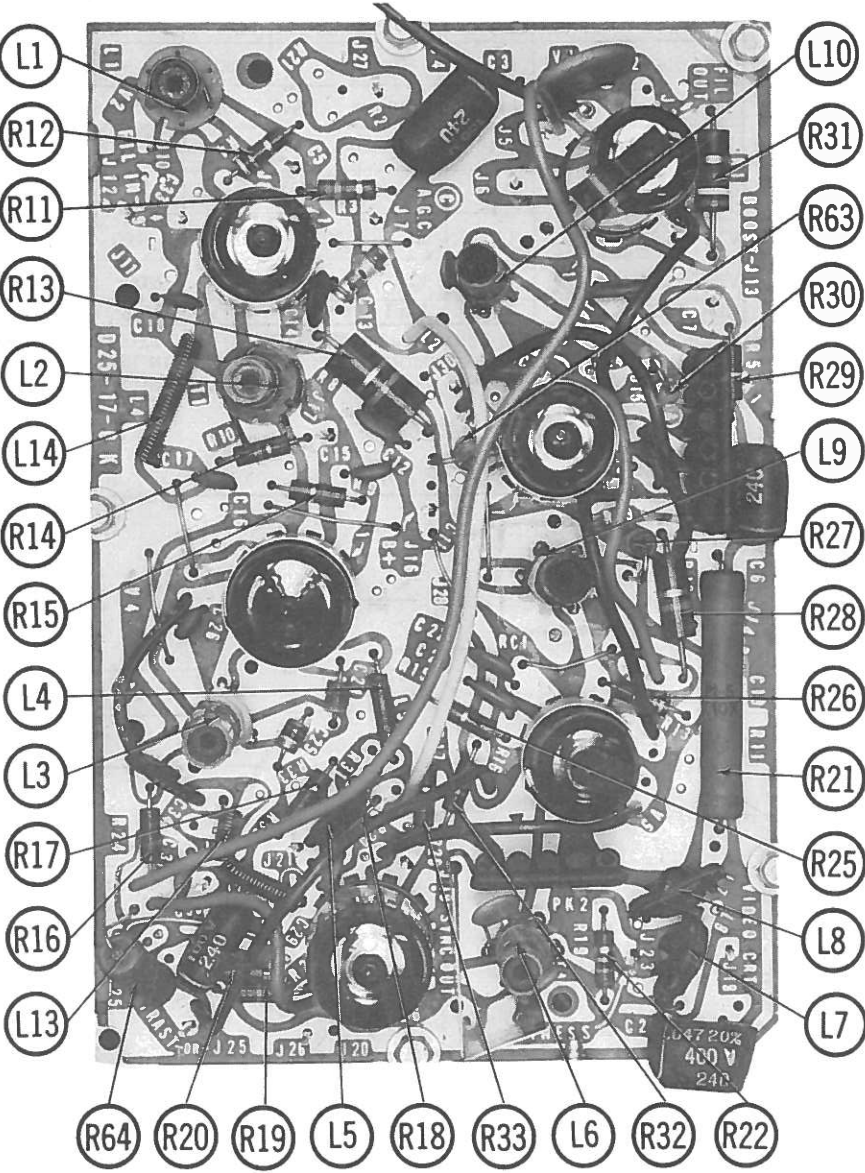
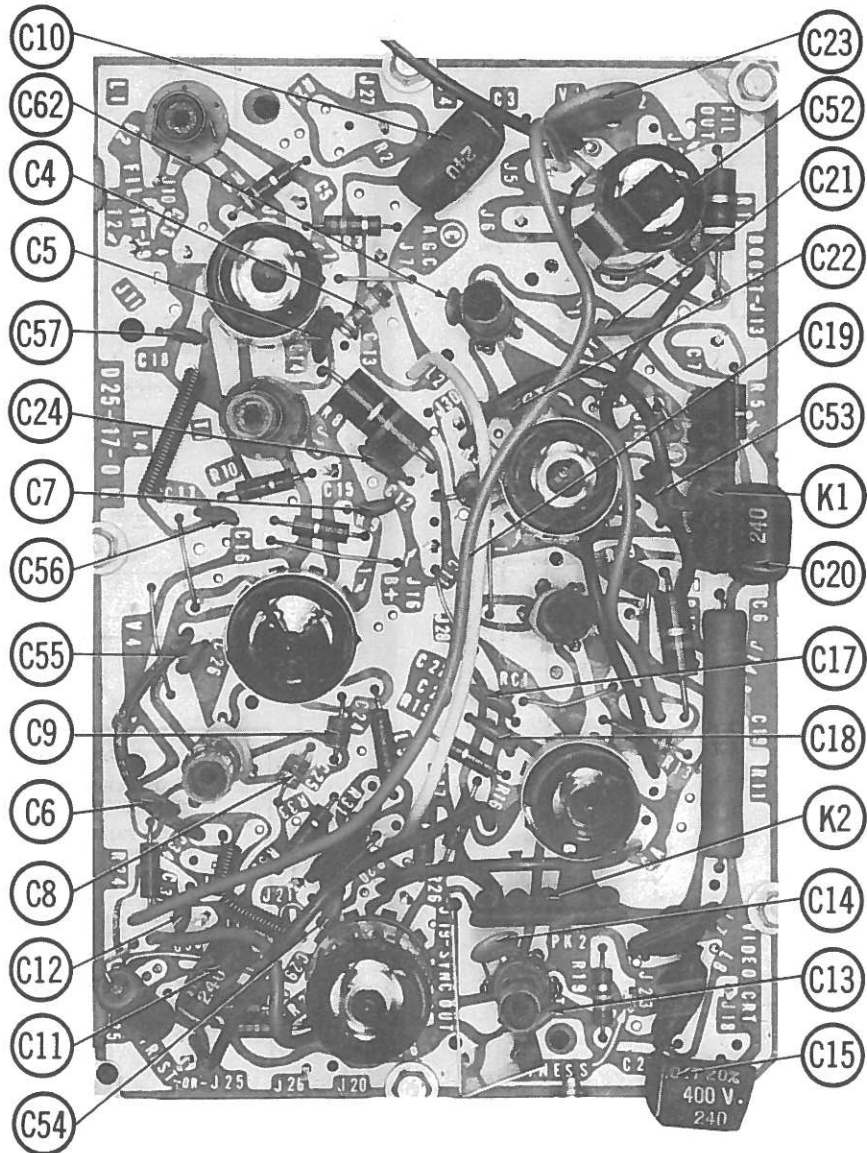
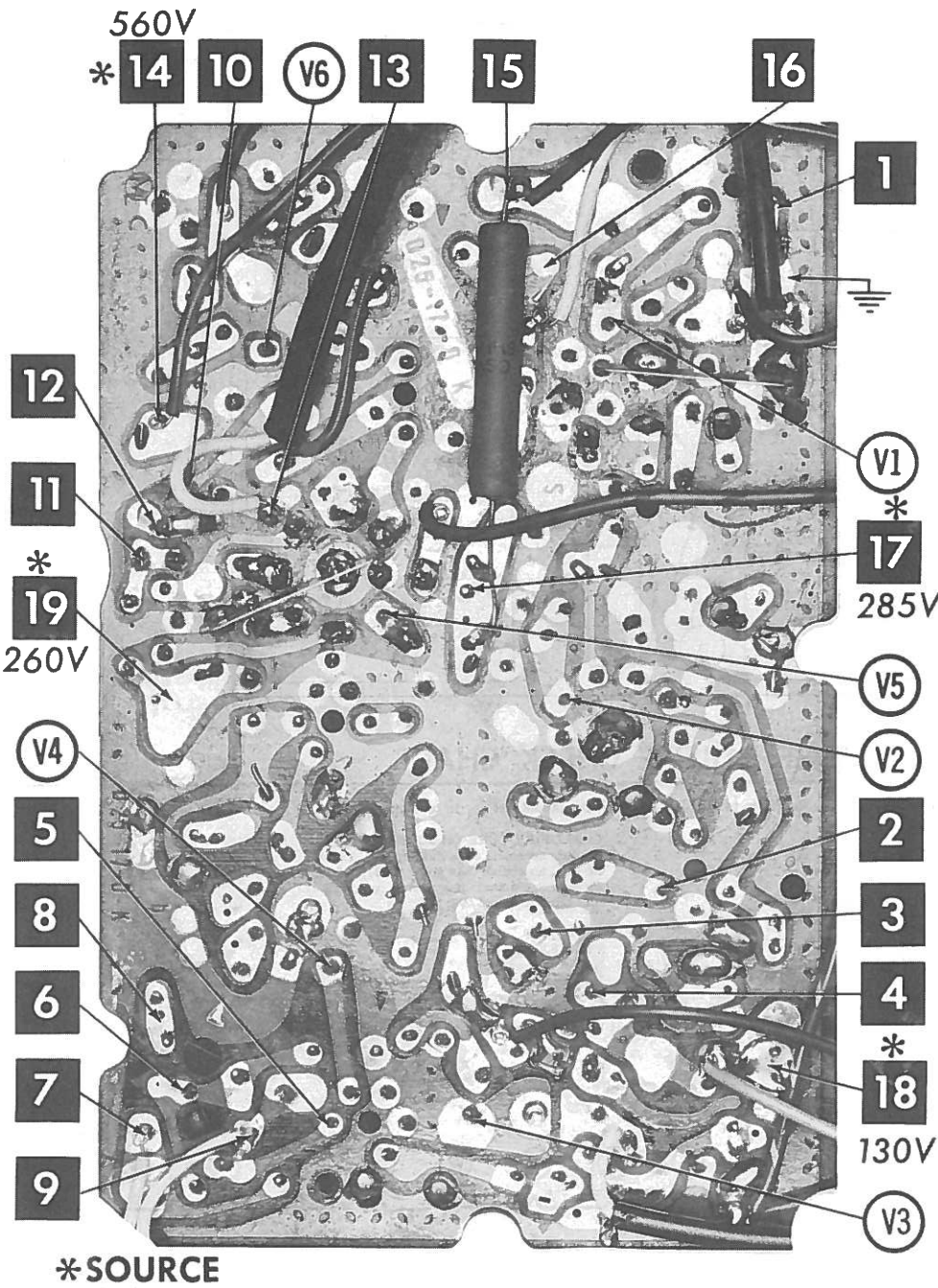
SYNC FAILURE
No vert. sync V3
No horiz. sync V3
No vert. or horiz. sync V3

This receiver employs tubes used in a series filament network, an open filament in any tube will cause the set to be inoperative. (See circuit below.)



SILVERTONE CHASSIS 456/528.60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

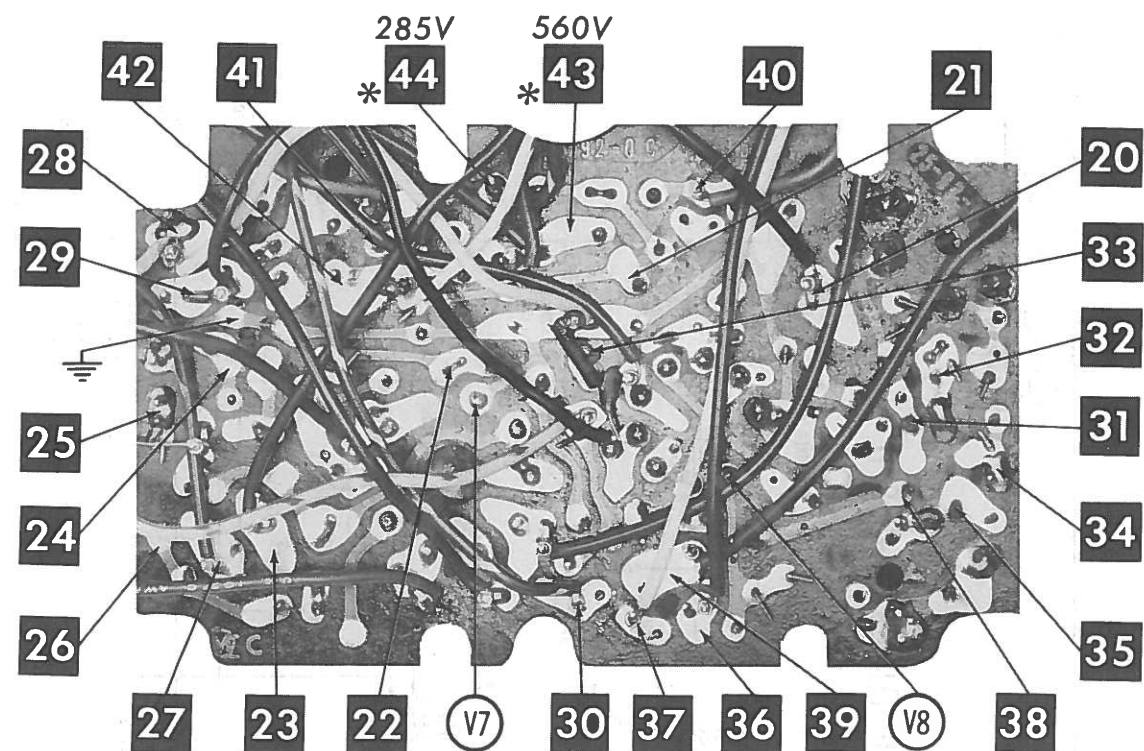


SILVERTONE CHASSIS 456/528/60380/381/382/383/385/387/388/410/
411/412/413/415/416/417/418/419/420/422/423/426/427/442

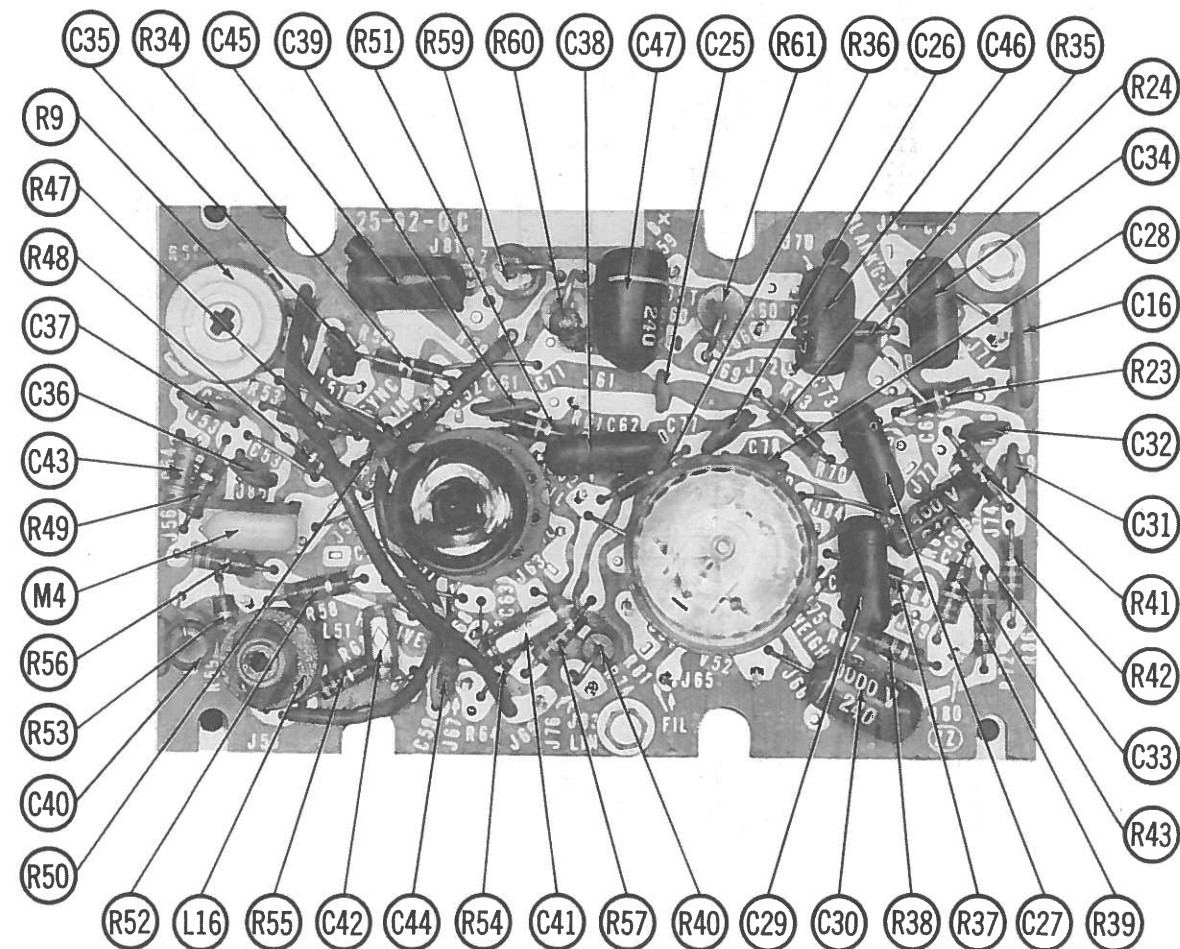
FOLDER 4

VIDEO, SOUND PRINTED BOARD

ARROWS INDICATING TUBE LOCATIONS ARE
POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



*SOURCE



SWEEP PRINTED BOARD

ALIGNMENT INSTRUCTIONS

Use an isolation transformer and maintain voltage at 117 volts. Allow a 20-minute warm-up period for the receiver and test equipment.
Suggested Alignment Tools: A1 thru A10 GENERAL CEMENT #8606, 8869, 9302 ... WALSCO #2511, 2543, 2588
Mixer Plate Coil ... GENERAL CEMENT #9296, 9300, 9302 ... WALSCO #2510, 2511, 2547

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use only enough generator output to provide a usable indication. Note: Response may vary slightly from those shown. Connect a variable bias supply to the IF AGC line (point \diamond) and adjust to obtain a response curve which shows no indication of overload. Disable Oscillator section of Mixer-Osc. Set the Channel Selector to any non-interfering channel.

INDICATOR	GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
1. Connect DC probe of a VTVM thru a 47K resistor to point \diamond . Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.		44.25MC 44.0MC	A1, A3, A5 A2, A4	Adjust for maximum.
2. Connect vertical input of a scope to point \diamond . Low side to ground.	Connect high side to pin 2 (grid) of V2. Low side to ground.	44MC (10MC Sweep)	42.75MC 45.75MC	A1, A2	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
3. Connect vertical input of a scope to point \diamond . Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.	44MC (10MC Sweep)	42.8MC 44.2MC 45.75MC	A3, A4, A5, Mixer Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 2. In order to obtain a proper response, it may be necessary to slightly retouch A 1 and A 2.

4.5 MC TRAP ALIGNMENT

Tune in a strong TV signal and set the Contrast at maximum. Adjust the Fine Tuning until a beat pattern is visible on the screen. Adjust A10 for MINIMUM beat interference.

SOUND IF ALIGNMENT

Tune in a station and adjust A6 for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce signal while aligning for undistorted output by adjusting A7, A8, and A9.

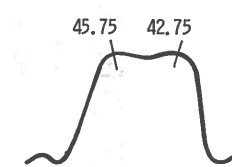


FIG. 1

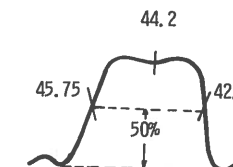
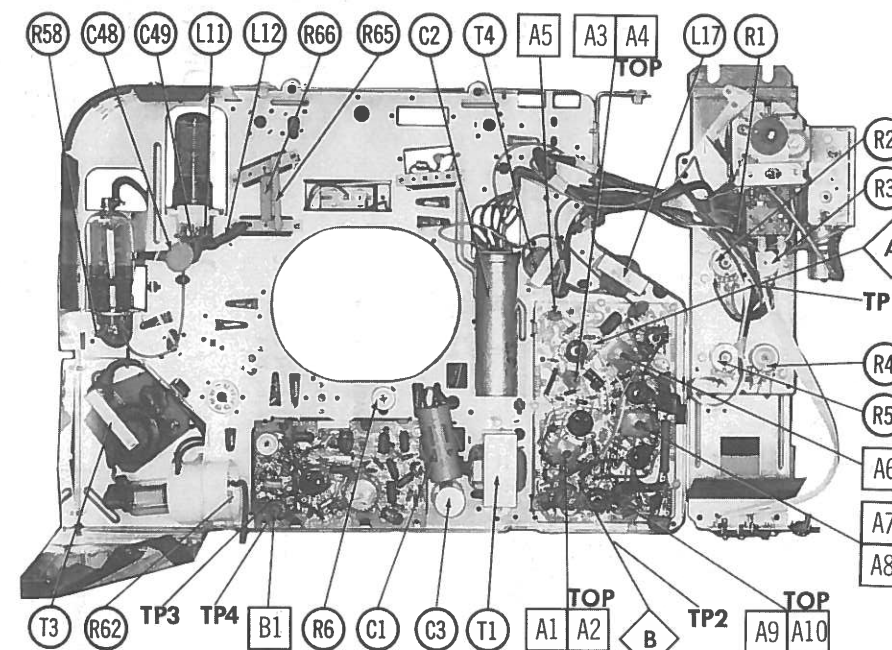


FIG. 2



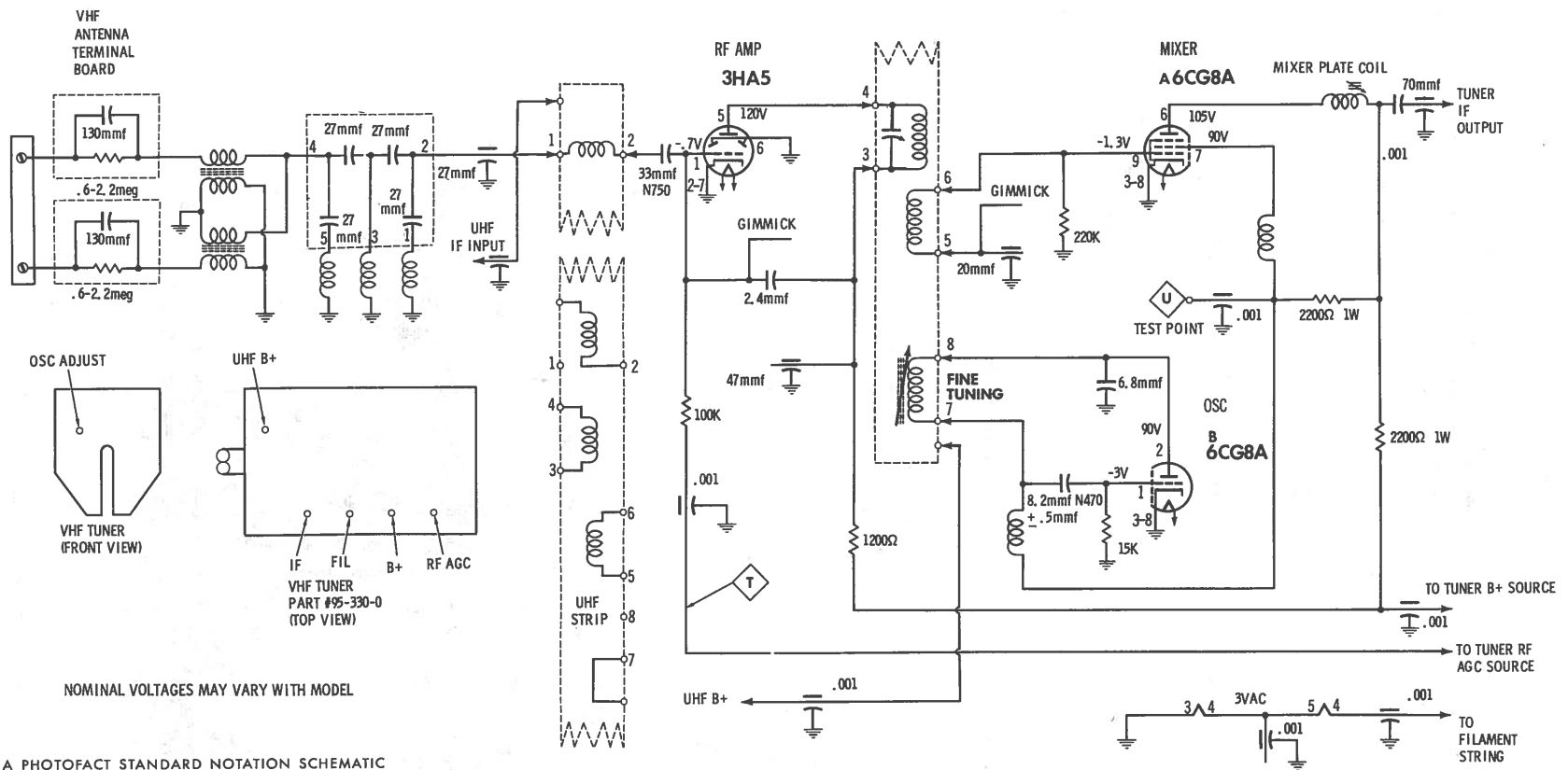
TP1 -.8V IF AGC TP2 -.5V VIDEO DET TP3 & 4 285V HORIZ STAB COIL

CHASSIS—FRONT VIEW

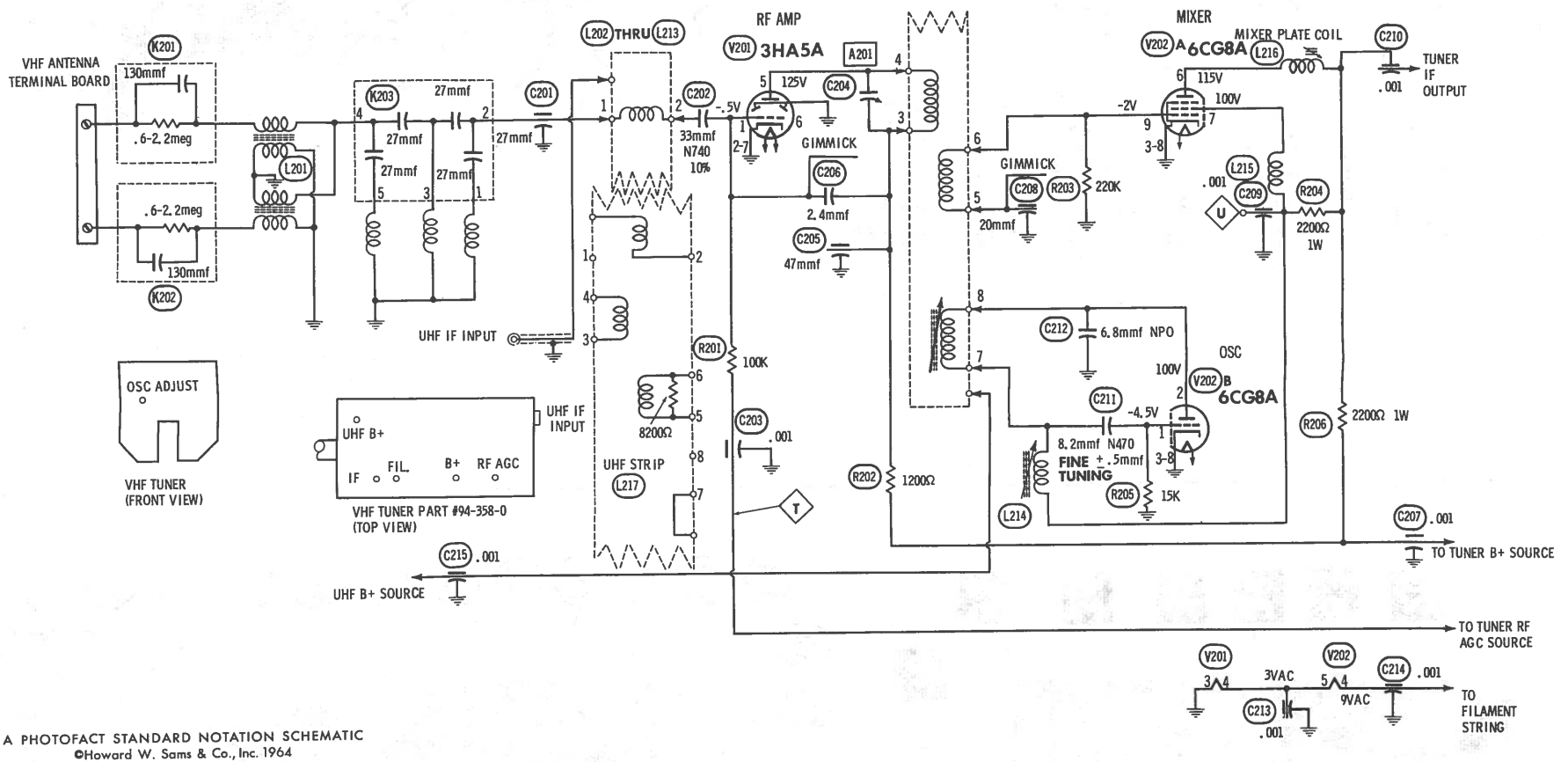
SET 704 FOLDER 4

SILVERTONE CHASSIS 456/528-60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442

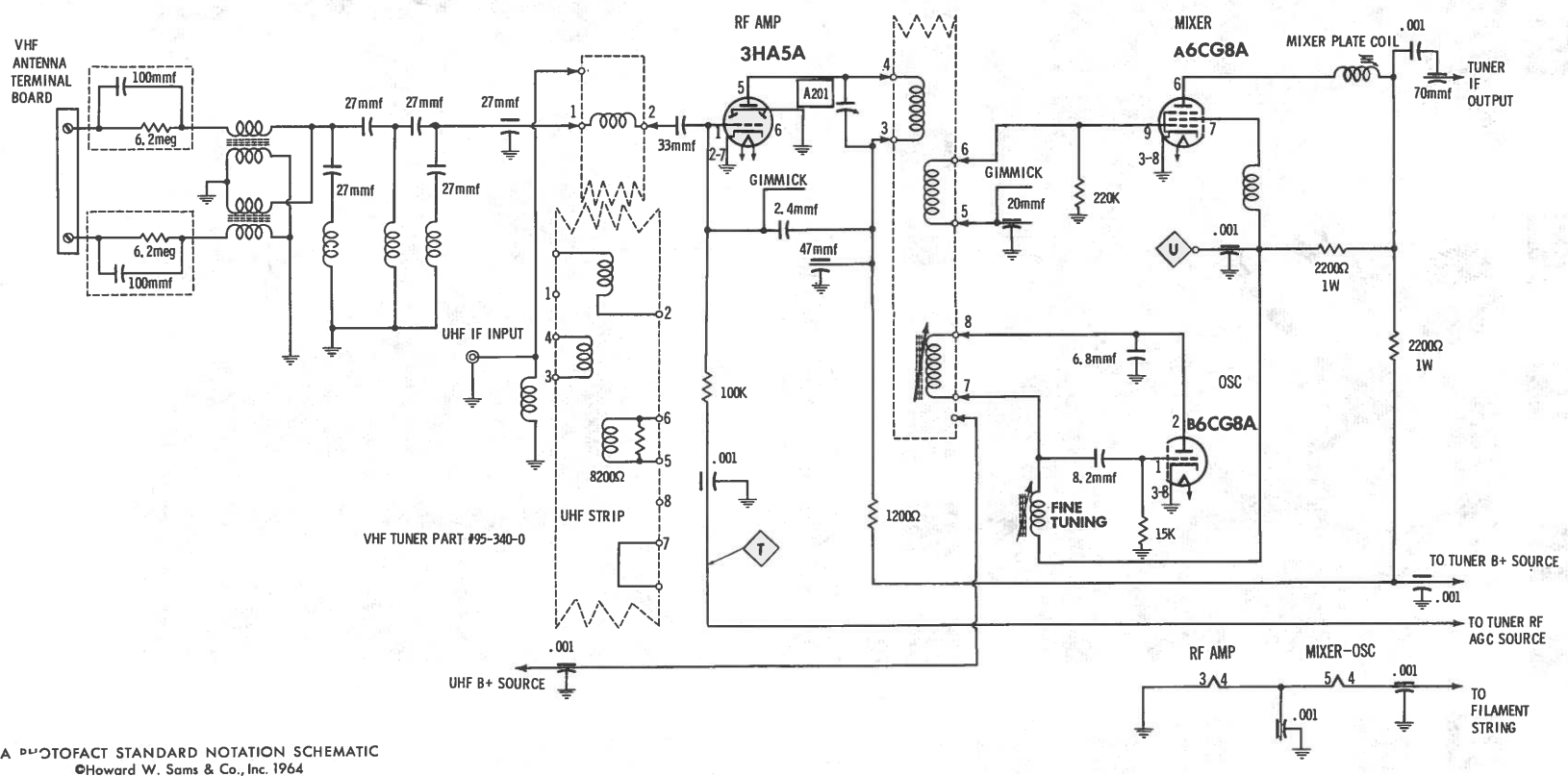
FOLDER 4



13-POSITION TURRET-TYPE VHF TUNER 95-330-0



13-POSITION TURRET-TYPE VHF TUNER 95-358-0



13-POSITION TURRET-TYPE VHF TUNER 95-340-0

SILVERTONE CHASSIS 456/528.60380/381/382/383/385/387/388/410/411/412/413/415/416/417/418/419/420/422/423/426/427/442

VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: A201 .. GENERAL CEMENT #8868, 9087, 9089 .. WALSCO #2528, 2541, 2587

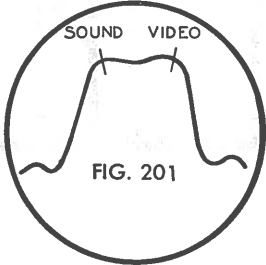
OSCILLATOR ALIGNMENT

The individual oscillator slugs are accessible one at a time through a hole in the front of the tuner. Set the Fine Tuning to the center of its range and adjust oscillator for best picture and sound on each active channel.

RF AND MIXER ALIGNMENT

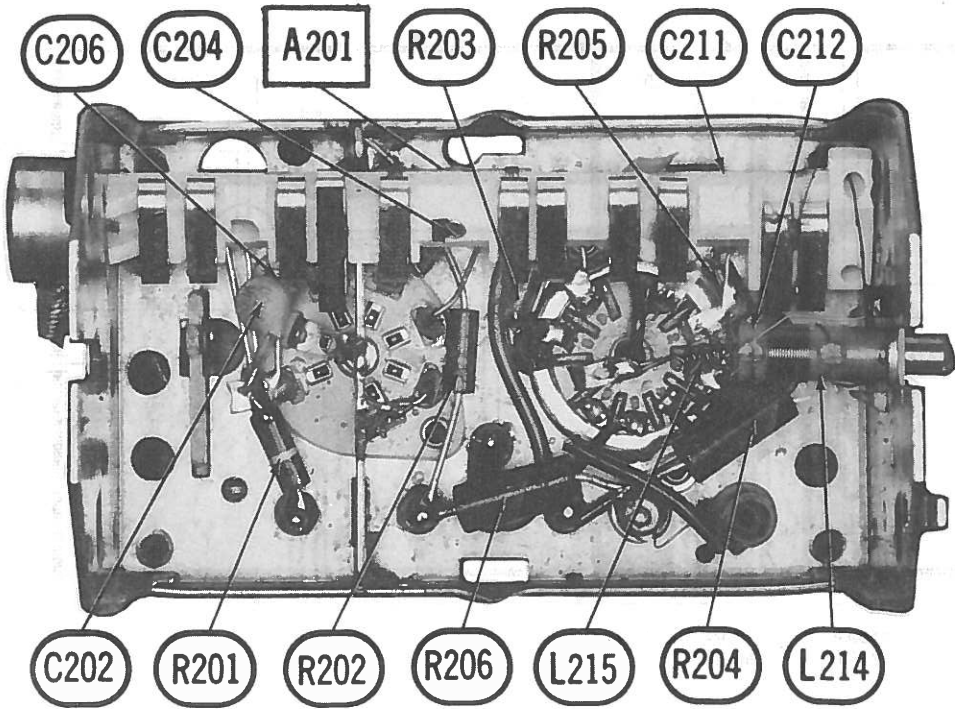
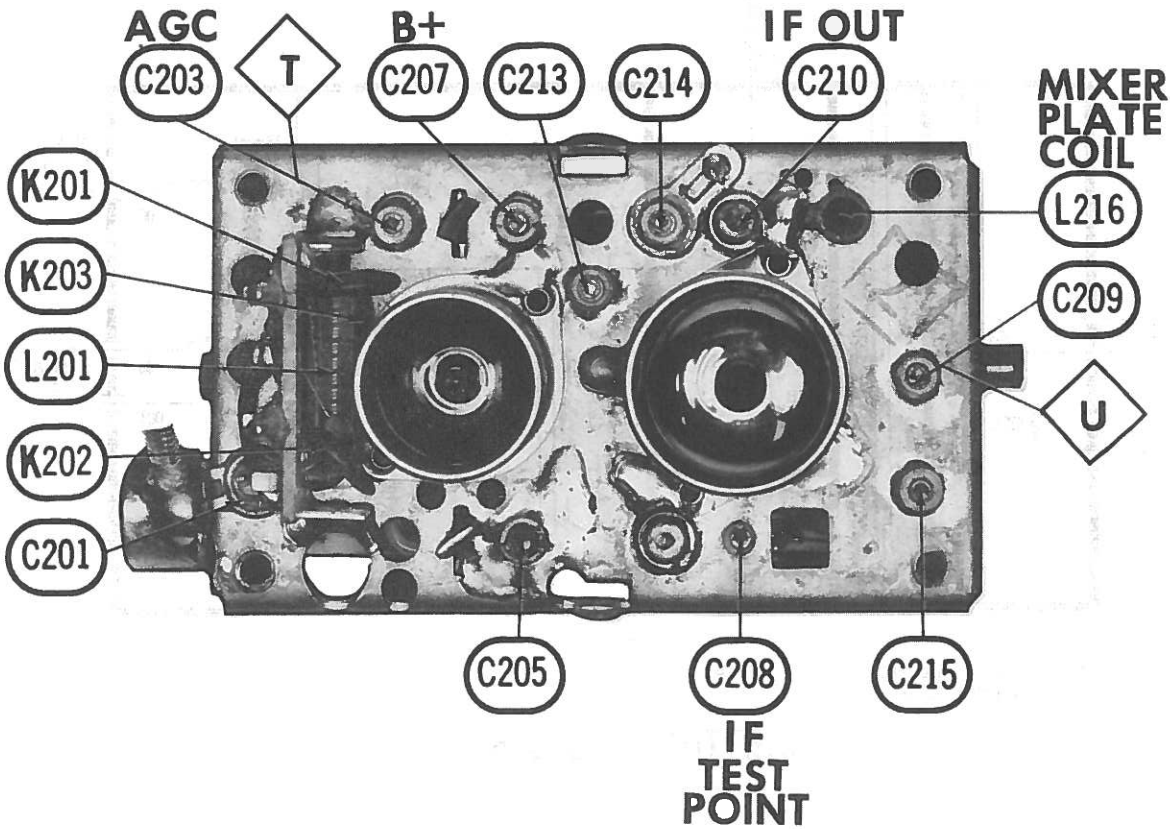
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect variable bias to RF AGC line at point \diamond . Adjust bias to obtain response curve which shows no indication of overloading.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. Across antenna terminals with 120 Ω in each lead.	195MC	193. 25MC 197. 75MC	10	Across video det. load resistor.	Gimmick	Increase bias to -15 volts and adjust for MINIMUM response.
2. "	213MC	211. 25MC 215. 75MC	13	Vert. input to point \diamond , low side to ground.	A201	Decrease bias. Adjust for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
	207MC	205. 25MC 209. 75MC	12			
	201MC	199. 25MC 203. 75MC	11			
	189MC	187. 25MC 191. 75MC	9			
	183MC	181. 25MC 185. 75MC	8			
	177MC	175. 25MC 179. 75MC	7			
	85MC	83. 25MC 87. 75MC	6			
	79MC	77. 25MC 81. 75MC	5			
	69MC	67. 25MC 71. 75MC	4			
	63MC	61. 25MC 65. 75MC	3			
	57MC	55. 25MC 59. 75MC	2			

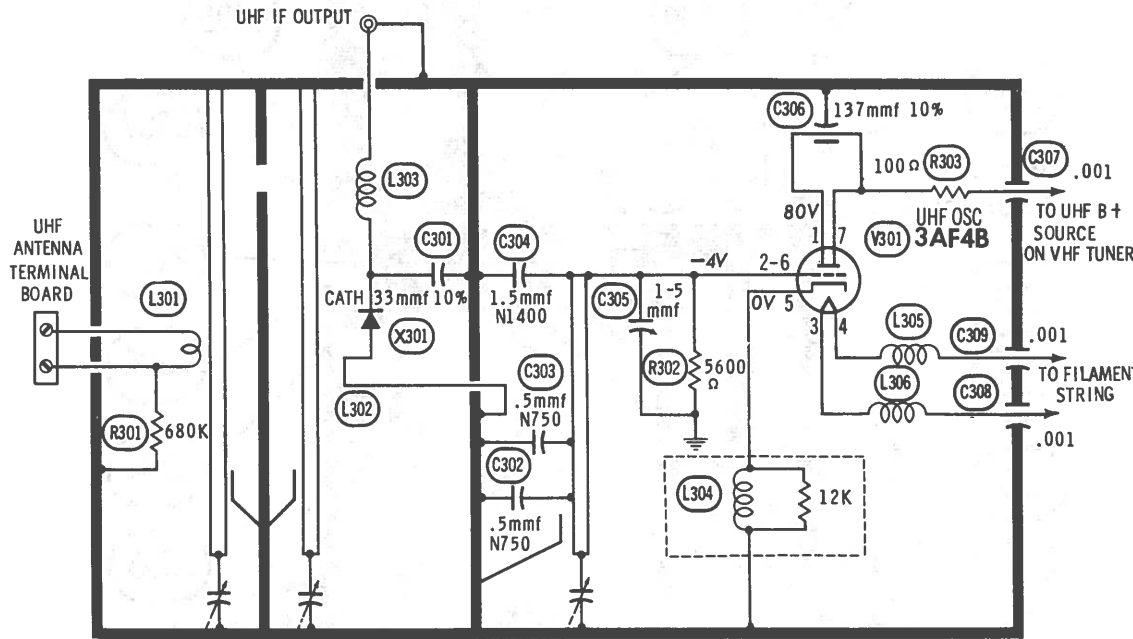


SILVERTONE CHASSIS 456/528,60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442

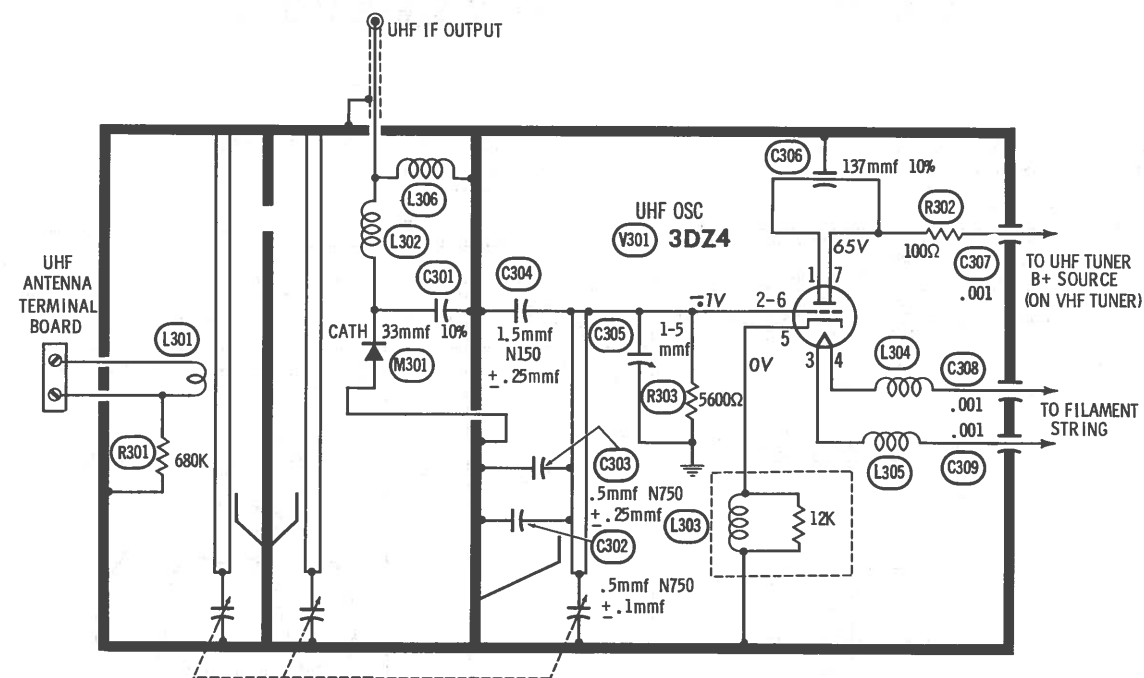
FOLDER 4



VHF TUNER 95-358-0

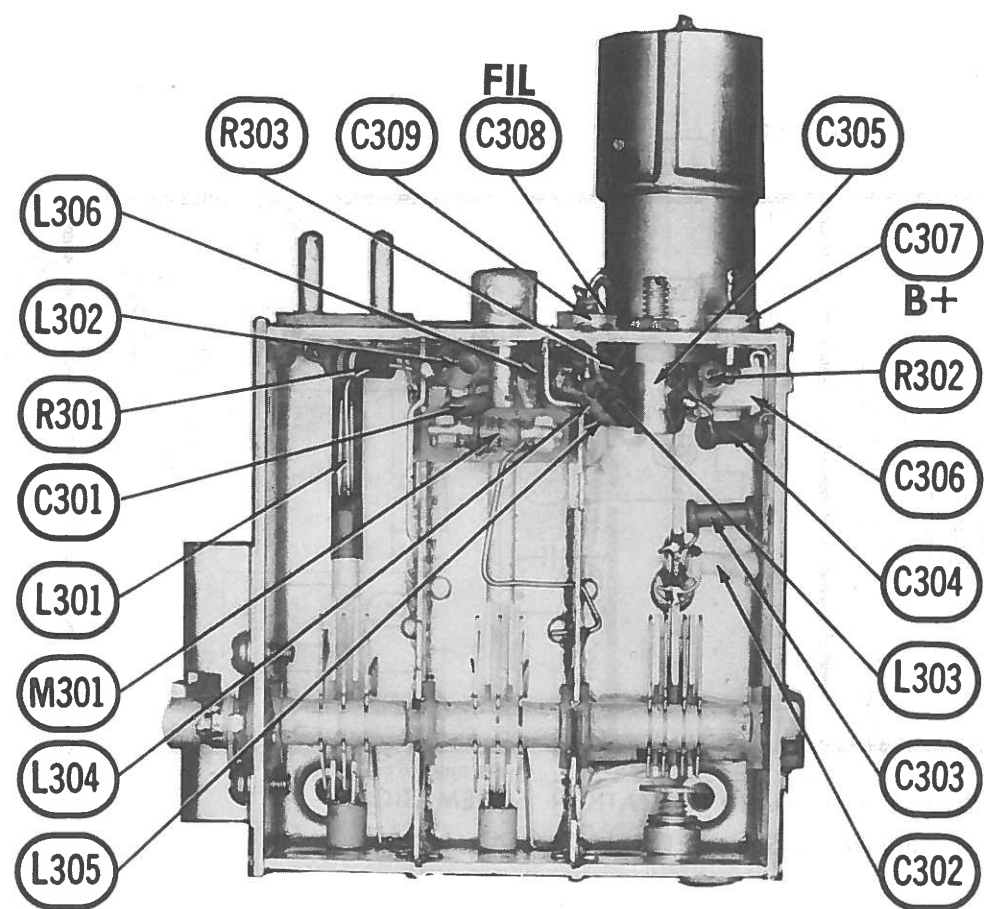


UHF TUNER PART #95-265-0
A PHOTOFACIT STANDARD NOTATION SCHEMATIC
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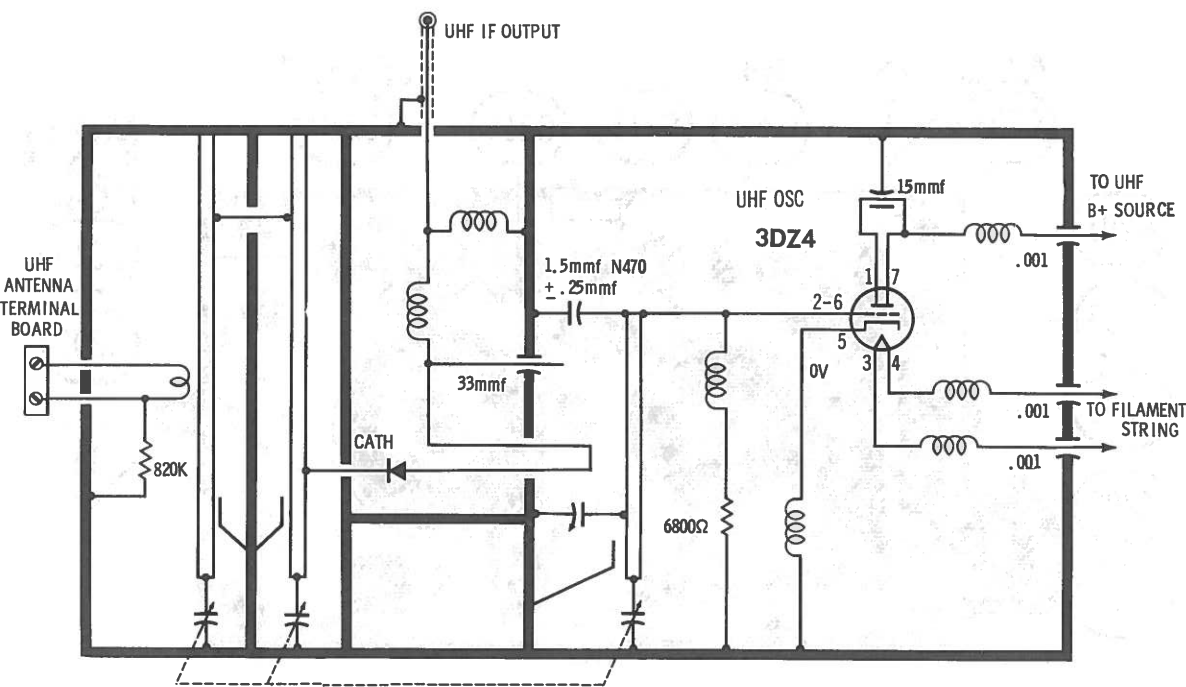


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UHF TUNER 95-352-0

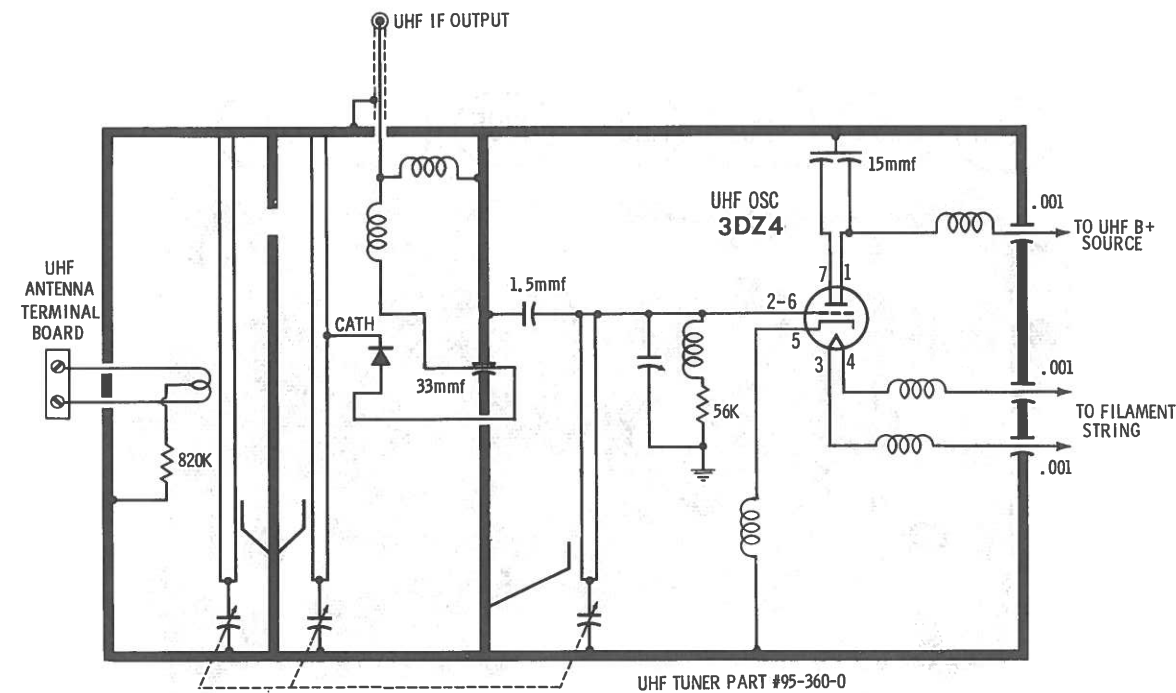


UHF TUNER 95-352-0



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UHF TUNER 95-336-0



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UHF TUNER 95-360-0

SILVERTONE CHASSIS 456/528.60380/381/382
383/385/387/388/410/411/412/413/415/416/
417/418/419/420/422/423/426/427/442

FOLDER 4

TUBES

			FIXED CAPACITORS					
ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNEILL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C301	33 10%		NPO-DI 33	DTZ-33	C10Q33C	CCTO-330	CNO-433	10TCC-Q33
C302	.5mmf N750 ±.1mmf	#20-499-0						
C303	.5mmf N750 ±.25mmf	#20-498-0						
C304	1.5 N150 ±.25mmf	#20-497-0						
C305	1-5	#19-204-0		829-6		CV-3	CT552	
C306	137 10%	#46-203						
C307	.001		EF-001	MFT-1000		CCF-102	CT280A	
C308	.001		EF-001	MFT-1000		CCF-102	CT280A	
C309	.001		EF-001	MFT-1000		CCF-102	CT280A	

(When Ordering Specify Model, Chassis & Color)

ITEM	PART NO.	MODELS												
		PC4111	PC4121	PC4125	PC4135A	PC4137	PC4137A	PC4140	PC4140A	PC4141	PC4141A	PC4142	PC4142A	PC4143
Bezel	40-135-5		X											
Bezel	40-137-5			X										
Bezel	40-140-5				X	X	X	X						
Bezel	40-141-5							X	X	X	X			
Bezel	40-133-5											X		
Escutcheon Overlay	40-191-0											X		
Knob-VHF Channel Selector	52-2077-0	X	X											
Knob "	52-2085-0		X											
Knob "	52-2090-0			X										
Knob "	52-2088-0				X	X		X	X					
Knob "	52-2089-0						X	X		X	X			
Knob "	52-2079-0											X		
Knob "	52-2078-0												X	X
Knob "	52-2177-0													X
Knob "	52-2184-0													X
Knob "	52-2178-0													X
Knob-Fine Tuning	52-2106-0	X	X											
Knob "	52-2107-0		X											
Knob "	52-2133-0			X										
Knob "	52-2105-0				X	X	X	X				X	X	X
Knob "	52-2105-5						X	X	X	X				
Knob "	52-2164-0													X
Knob-UHF Indicator Dial	52-2112-0	X	X											
Knob "	52-2111-0		X											
Knob "	52-1771-0			X										
Knob "	52-2150-0				X									
Knob "	52-2109-0					X								X
Knob "	52-2150-0						X					X		
Knob "	52-2170-0												X	
Knob "	52-2172-0													X
Knob-Vert.& Horiz. Hold Brightness Contrast	52-2039-0	X	X											
Knob "	52-1884-0			X	X									
Knob "	52-1921-0									X	X	X	X	X
Knob-Vert.& Horiz. Hold Brightness Contrast	52-1633-0				X	X	X	X	X	X	X			
Knob "	52-2180-0													X
Knob "	52-2181-0													X
Cabinet Front	42-398-0	X												X
Cabinet Front	42-399-0		X											X
Cabinet Rear	21-1265-0	X												X
Cabinet Rear	21-1291-0		X											X
Cabinet	42-468-0			X										X
Cabinet	42-450-0				X									X
Cabinet	42-463-0				X	X	X	X	X					X
Rear Cover	21-1370-0				X	X	X	X	X					X

TUBES

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	27	#259-270	N750-DI 33	DTN-33	C10Q33U	CCTN-330	CN7-433	10TCU-Q33
C202	33 N750 10%		EF-001	MFT-1000		CCF-102	CT280A	
C203	.001							
C204	.001							
C205	47	#257-470 #3176-249						
C206	2.4							
C207	.001	#259-200	EF-001	MFT-1000		CCF-102	CT280A	
C208	20							
C209	.001		EF-001	MFT-1000		CCF-102	CT280A	
C210	.001	#235-829	EF-001	MFT-1000		CCF-102	CT280A	
C211	8.2 N470 ±.5mmf					*		
C212	6.8 NPO		NFO-DI 6.8	DTZ-6R8	C10V68C	CCTO-6R8	CNO-568	10TCC-V68
C213	.001		EF-001	MFT-1000		CCF-102	CT280A	
C214	.001		EF-001	MFT-1000		CCF-102	CT280A	
C215	.001		EF-001	MFT-1000		CCF-102	CT280A	

Silvertone Part Number

COILS (RF-IF)

COMPONENT COMBINATIONS				
ITEM No.	USE	DESCRIPTION	Silvertone PART NO.	REPLACEMENT DATA
K201	Antenna Isolation	.6-2.2meg, 130mmf		Centralab PC-428
K202	Antenna Isolation	.6-2.2meg, 130mmf		Centralab PC-428
K203	Antenna Isolation	27mmf, 27mmf, 27mmf, 27mmf	147-1	

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.

* Alternate

ITEM No.	REPLACEMENT DATA				NOTES
	Silvertone PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V12	23BQP4 23FWP4 19CZP4 19DAP4	23BQP4	23CBP4	23BQP4 ①	① Silver Screen "85"

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS		
			MALLORY PART No.	RCA PART No.	SARKIS TARZIAN PART No.
X1	.280A	86-1-3	1N540 or 1N3194 ①	1N1764 or 1N2863 or 1N3195	40H or F-4
X2	.280A	86-1-3	1N540 or 1N3194 ①	1N1764 or 1N2863 or 1N3195	40H or F-4

① A single unit may be used for X1 and X2 – VB600.

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Silvertone PART No.	AEROVOX PART No.	CORNEILL-DUBUIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	150	150	18-136-5	PRS1520	BR150-150	QT1-25	TD-150-150	TC495	TVA-1422
C2A	100	300	18-140-5	AFHS2-35-50	BB0286	XC3-19	TMD-2340	FP219.7	TVL8-2595
C3A	200	300							
B	20	300	18-52-3	AFH3-98-98	BB0300	XC3-28.1	TMD-2325	FP328.54	TVL33635.1
C	50	50			BR50-50		TD-50-50		

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

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.
C4	.0022		SI-2200	D6-222	LA10D22	CCD-222	B-222	5HK-D22
C5	.001 10%		DBD-1000	DD-102	JBBD1	CCD-102	GP210	10TS-D10
C6	.001 10%		DI-1000	DD-102	JBBD1	CCD-102	GP210	10TS-D10
C7	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C8	2.2 10%	#20-5-0						
C9	10 10%	#20-14-0						
C10	.22 100V		P288N-22		WMF1P22	1DP-3-224	PVC1022	2TM-P22
C11	.047 100V		P288N-047	DF-503	WMF1947	1DP-2-473	PVC1147	2TM-S47
C12	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C13	.33 N150 10%							10TCP-Q3
C14	.33 N150 10%							10TCP-Q3
C15	.047 400V		P488N-047	DD-503	PM4547	4DP-3-473	GEM-4147	4TM-S47
C16	.01 1KV		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C17	.005		BPD-005	DD-502	BYA10D5	CCD-502	B-250	5HK-D50
C18	.005		BPD-005	DD-502	BYA10D5	CCD-502	B-250	5HK-D50
C19	8.2 N750 ±1mmf	#12-829224-2			C10V82U			10TCU-V8
C20	1 400V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM-401	4TM-P10
C21	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C22	.01		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C23	.005 2KV			DD30-502	HVC20D5	3CCD-502	2HV-247	30GA-D50
C24	.005		BPD-005	DD-502	BYA10D5	CCD-502	B-250	5HK-D50
C25	.0033		BPD-00047	DD-471	BYA10T47	CCD-471	B-347	10TS-T47
C26	.0033		BPD-0033	DD-332	BYA10D33	CCD-332	B-233	5HK-D33
C27	.008 400V 10%		BPD-008	DD-682	PM4S2	4DP-2-203	PVC412	4TM-S20
C28	.008		BPD-008	DD-682	BYA10D68	CCD-682	B-268	5HK-D68
C29	.033 400V		P488N-033	DD-303	PM4S33	4DP-2-333	GEM-4133	4PS-S33
C30	.015 1KV 10%				DPMS16S15	16DP-4-153		10TM-S15
C31	.470		BPD-00047	DD-471	BYA10T47	CCD-471	B-347	10TS-T47
C32	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C33	.01 400V 10%		BE4S1	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C34	1 200V		P288N-1	DF-104	PKM2P1	2DP-3-104	GEM-201	2TM-P10
C35	.56		DI-56	DD-560	LA10Q56	CCD-560	GP456	5GA-Q56
C36	.39		DI-39	DD-390	LA10Q39	CCD-390	GP439	5GA-Q39
C37	.39 10%	Note 1	DI-680	DD-681	JB8T68	CCD-681	10TS-688	10TS-D68
C38	.01 100V		P288N-1	DF-104	WMF12P104	12DP-1-104	PVC101	2TM-P10
C39	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C40	.0039 100VAC	#90-545-0						

FOLDER 4

PARTS LIST AND DESCRIPTION (CONTINUED)

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.

FIXED CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMenco PART No.	MALLORY PART No.	SPRAGUE PART No.
C41	680 5%			CPR-680J	5R5768	DM-16-681J	MCJ249	MS-368
C42	390 10%			CPR-390J	5R5739	DM-15-391K	MCB243	MS-339
C43	.001		SI 1000		LA10D1-C4	CCD-102	B-210	5HK-D10
C44	.005		BPD-005	DD-102	BYA10D5	CCD-502	B-250	5HK-D50
C45	.047 400V		P488N-047	DD-503	PM4847	4DP-3-473	GEM-4147	4TM-847
C46	.027 600V 10%		PE6827		DPM6827	6DP-3-273	PVC8125	6P9-327
C47	.1 400V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM-401	4TM-P10
C48	350 N1500 3KV 10%	Note 2						
C49	270 N1500 3KV 10%	Note 3						
C50	.005		BPD-005	DD-502	BYA10D5	CCD-502	B-250	5HK-D50
C51	.047 400V		P488N-047	DD-503	PM4847	4DP-3-473	GEM-4147	4TM-847
C52	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C53	.01		BPD-01	DD-103	BYA1081	CCD-103	B-110	5HK-S10
C54	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C55	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C56	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C57	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C58	.001		BPD-001	DD-102	BYA10D1	CCD-102	B-210	5HK-D10
C59	.22 400V		P488N-22		PM4P22	4DP-5-224	GEM-4022	4TM-P22
C60	2.2mfd 3V			UK-225	HCC3225P			HY150
C61	2.2mfd 3V			UK-225	HCC3225P			HY150
C62	18		DI-18	DD-180	LA10Q18-SL	CCD-180	GP418	5GA-Q18

Note 1. Chassis 456/528.60410, 411 use 56mmf. Note 4. Not used in Chassis 456/528.60380, 381, 382, 383, 385, 387, 388 and 60440, 441, 442.
Note 2. Chassis 456/528.60388 use 270mmf, 3KV. 456/528.60410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 440, 441, 442.
Note 3. Chassis 456/528.60388 use 210mmf, 3KV.
* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
Silvertone Part Number

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			Silvertone PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume, Switch	1meg	24-561B (24-561)			B11-137, TM10, 76-1 ① or (BU1, CF17, SS16, GC)*	
R2	Brightness	3.4meg	24-566D (24-566)			B11-140, TM10 or (BU11, CF21, SS16, DC1) *	
R3	Vert. Hold	1meg	24-564D (24-564)			B11-137, TM10 or (BU11, CF17, SS16, DC1) *	
R4	Contrast	500Ω	24-565E (24-565)			B11-105, TM10 or (BU11, CF5, SS16, DC1) *	
R5	Horiz. Hold	25K	24-568D ② (24-568)			B11-120, TM10 or (BU11, CF11, SS16, DC1) *	
R6	Vert. Linearity	750Ω 2W	24-484A ③ (24-484)	V-800 or (WN-751)	U39-800	110-1000 or (WPS750, SK5) or *BU1, WF2, SS8	PFL-1K or (YV 750) or (R750L)
R7	Height	5meg	24-437D (24-437)	TT-87 or (F3-5meg, SN010)	B47-5meg-S	HLC-5	PTA56L or (RU56L, SL37, SN1000) or (UA56R, SN1000)
R8	Focus	3.4meg	24-491A (24-491)	TT-84 or (F1-3meg, S SN010)	B47-3meg-S	HLC-3	PTA355L or (RU36L, SL37, SN1000) or (UA36L, SN1000)
R9	Horiz. Frequency	1000Ω 2W	24-570A (24-570)	V-1000	U39-1000	110-1000	PFL-1K

① Use switch with metal housing. ③ Chassis 456/528.60410, 411, 412, 413, 440, 441.
② Not used in Chassis 456/528.60381, 382, 383, 385, 387, 388 and 60440, 441, 442. * "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS			IRC PART No.	WORKMAN PART No.	REMARKS
R10	6800Ω 5W	PW10-7000	5G-6800	#68-68251	R65	4.5Ω 10W	MR 1	10W-SQ-4.5	#61-191-0
R21	4700Ω 5W	MR 4	5G-4700	#68-47251	R66	22Ω 7W	MR 2	7W-SQ-22	#61-233-0
R64	10K 3W	PW10-10K	3G-10K	#68-10331					

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Silvertone PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	1st Video IF	10-28-3					
L2	2nd Video IF	10-37-3					
L3	3rd Video IF	10-143-2					
L4	RF Choke (12uh)	10-85-1	BC-566	72F125AP 6110	RTC-8522	TA328	
L5	Peaking (60uh)	10-148-1	BC-666		RTC-8573	T338	
L6	Sound Takeoff - 4.5mC Trap	10-152-1		7131		T277	
L7	Peaking (270uh)	10-150-1 ①	BC-674	8130	RTC-8598	TA339	① Wound on 15K resistor.
L8	Peaking (450uh)	10-206-1	BC-677	8138	RTC-8580	TA329	* Shunt with 15K resistor.
L9	Sound IF Interstage	10-23-3	TV-242	7129		TA279	
L10	Quadrature	10-57-5		7128			
L11	RF Choke (4.7uh)	10-242-1	SW-631	74F476AP	RTC-8505	T819	
L12	RF Choke (35 turns)	10-124-1					
L13	Fill. Choke (29 turns)	10-240-1					
L14	Fill. Choke (29 turns)	10-240-1					
L15	Line Choke (40uh)	10-149-1		5240			

COILS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA							NOTES
		Silvertone PART No.	Merit PART No.	Miller PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	Workman PART No.	
L18	Horiz. Stabilizer & Horiz. Adj. Rod	10-34-5 39-293-3		6345 ①				TB171 ①	

† Used as Hold control in some versions. ① Use original Horiz. Adj. Rod when used as Hold control.

FILTER CHOKE

ITEM No.	RATINGS		REPLACEMENT DATA						NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (10 CURRENT 1000~)	Silvertone PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L17	.26ADC	25Ω	.27 Hy.	80-19-6C (80-19-6)	C-4115 ①	C-2343 ①	28C80	C-36X	① Drill new mounting hole(s).

* TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Silvertone PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T1	Vert. Output	80-13-2(E)	A-2823 ①	VO-112 ①	26S24	A-133X	① Connect as autoformer. ② Use original vertical damping network if necessary. ③ Replace HV rectifier plate cap connector.
T2	Yoke (Horiz. 22MH) 110° (Vert. 36MH)	(D)80-29-4(B)†	MDF-133 & M47-110	DY-46A ②	Y-53 ②	Y-62 & NW21	
	Alternate Yoke	80-39-4 †					
	Alternate Yoke	80-37-4 ▲					
	Alternate Yoke	80-20-4 ▲	MDF-133 & M47-110	DY-46A ②	Y-53 ②	Y-62 & NW21	
T3	Yoke Clamp Width Sleeve Rear Cover and Centering Device Horiz. Output Alt. Horiz. Output	83-1453 (D)80-30-3(A)■ 80-14-3 *	HVO-218 ③ HVO-218 ③	HO-357 HO-357		YC-111 D-220 D-220	

† Used with 23BQP4 and 23DP4 Picture Tubes in Chassis 456/528.60410 thru 423, 426 and 427.
‡ Used with 23EWP4 Picture Tube in Chassis 456/528.60422, 423, 426, 427.
▲ Used with 19CZP4 and 19DAP4 Picture Tubes in Chassis 456.60383, 385, 387, 388, 442.
■ Used with 19CZP4 and 19DAP4 Picture Tubes in Chassis 456/528.60380, 381, 382, 440, 441.
● Used in Chassis 456/528.60380, 381, 382, 383, 385, 387, 388, 414, 415, 418, 419, 420, 421, 422, 426, 427.
◆ Used in Chassis 456/528.60410, 411, 412, 413, 416, 417, 440, 441.

* COMPONENT CONNECTION DATA

ORIGINAL → REPLACEMENT ↓	HV TRANSFORMER					VERTICAL OUTPUT					YOKE								YOKE PLUG							
	Original Connections					Original Connections					Original Connections								1 2 3 4 5 6 7 8							
MERIT	1	3	4			Blue	Orng.	Yel.			1	2	3	4	5	6	7	8	TO YOKE TERMINAL							
STANCOR	1	3	4			Blue	Red & Green	Yel.	▲		7	3	2	4	5	6	1	8	No Wiring Change Necessary							
THORDARSON						Blue	Red	Yel.			1	2	3	4	5	6	7	8	4 6 1 2 7 3							
TRIAD	1	3	4			Blue	Red	Yel.			1	2	3	4	5	6	7	8	4 6 7 1 3 2							

† Connect Red and Yellow leads together and use as autoformer.
▲ Connect Red and Green leads together and use as autoformer.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	Silvertone PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T4	10000Ω	3-4Ω	80-149-1F (80-149-1)	A-2998	A-3879 ①	24S83	S-11X	① Drill new mounting hole(s).

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		Silvertone PART No.	QUAM PART No.	
SP1	4" PM 6-8Ω	33-465-4 ①	4A07Z8	① Used in Models PC-4173, 4173A, 4175, 4175A, 4170, 4170A, 4171, 4171A.
SP2	10" PM 6-8Ω	33-554-4 ②	10A31PA	
SP3	4" PM 6-8Ω	33-465-4 ①	4A07Z8	② Used in Models PC-4173, 4173A, 4175, 4175A.
SP4	10" PM 6-8Ω	33-554-4 ②	10A31PA	
	3" x 5" PM 3-4Ω	33-379-4 ③	35A05	③ Used in Models PC-4111, 4113, 4136, 4136A, 4137, 4137A, 4140, 4140A, 4141, 4141A.
	6 1/4" x 2 1/4" PM 6-8Ω	33-513-4 ④		
	4" PM 6-8Ω	33-318-4 ⑤	4A07Z7.4	④ Two used in Models PC-4121, 4125. ⑤ Two used in Models PC-4142, 4143, 4143A, 4144, 4145, 4145A, 4148, 4149, 4149A.
	8" PM	33-581-4 ⑥		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Silvertone PART NO.	REPLACEMENT DATA
K1	Audio Detector Network	680Ω, 560K, 680K, 220mmf, .001mfd, .0047mfd	13-34-5 ①	① Chassis 456/528.60382, 60416, 60417, 60420, 60421 use Part #13-22-5.
K2	Sync Coupling Network	22K, 270K, 2.2meg, 150mmf, .005mfd	13-9-5	
K3	Chassis Isolation	4.7meg, .001mfd	13-17-3	Centralab PC-377 Sprague PRC-8

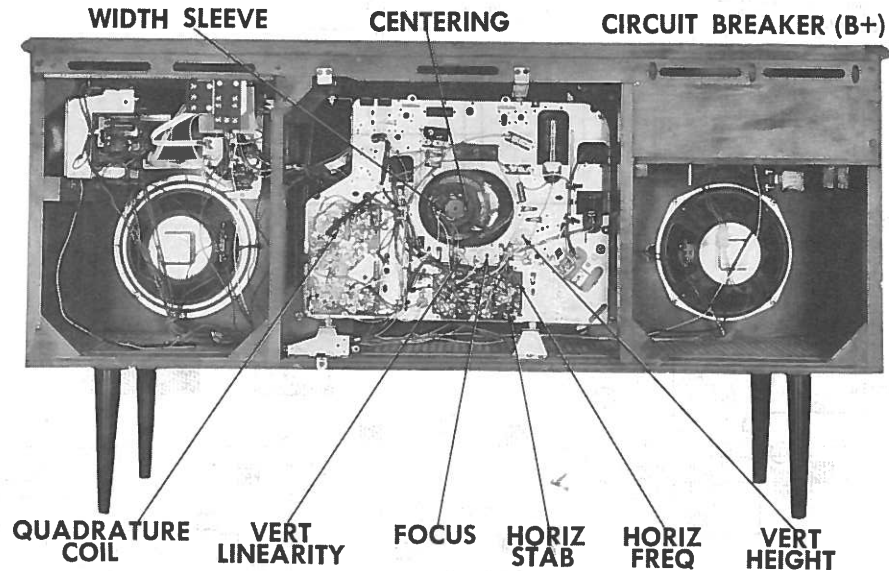
PHONO CARTRIDGE & NEEDLES

*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	REPLACEMENT DATA								NOTES
	SILVERTONE PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.		
	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	
M1	33-378-0	88-1433	133D	N50sd	132D	2619D	18TAFSD	N9916FSD	
				N686sd		3218D8			Replacement needles for original cartridge.

MISCELLANEOUS

ITEM No.	PART NAME	Silvertone PART No.	NOTES
M2	VHF Tuner	95-356-0	Used in Chassis 456/528.60385, 456/528.60422, 423, 426, 427.
	VHF Tuner	95-340-0	Used in Chassis 456/528.60440, 441.
	VHF Tuner	95-330-0	Used in Chassis 456/528.60380, 381, 382, 383, and 456/528.60410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421
M3	UHF Tuner	95-352-0	Used in Chassis 456/528.60421, 423, 427.
	UHF Tuner	95-265-0	Used in Chassis 456/528.60440, 441.
	UHF Tuner	95-336-0	Used in Chassis 456/528.60380, 381, 382, 383, 385, and 456/528.60411, 413, 415, 417, 419.
	Antenna	82-220-0	Two used in Models PC-4111, 4113
	Antenna	82-221-0	Two used in Models PC-4121, 4125
M4	Diode	86-9-1	Horiz. AFC
M5	Circuit Breaker	43-12-2	
M6	Spark Gap		
	Printed Circuit Board	35-117-0	IF, Sync and Sound, Complete with all Components - less tubes.
	Printed Circuit Board	25-17-0	IF, Sync and Sound, without components or tubes.
	Printed Circuit Board	35-2004	Sweep Circuits, Complete with all Components - less tubes.
	Printed Circuit Board	25-92-0	Sweep Circuits, without components or tubes.



CABINET—REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Tune in a TV station and set all controls for normal operation. Set the Horizontal Hold Control, R5, to the center of its range. Connect a clip lead between TP3 and TP4. Turn the Horizontal Frequency Control, R9, completely counterclockwise. Adjust R9 slowly clockwise until

picture just locks in. Remove clip lead from TP3 and TP4. Adjust Horizontal Stabilizer Coil Slug, B1, until picture is in proper horizontal sync. Interrupt signal momentarily to see if picture remains in sync.

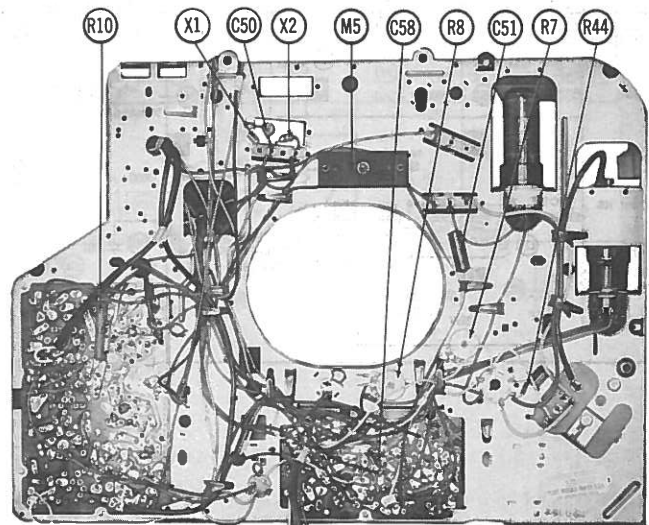
DISASSEMBLY INSTRUCTIONS

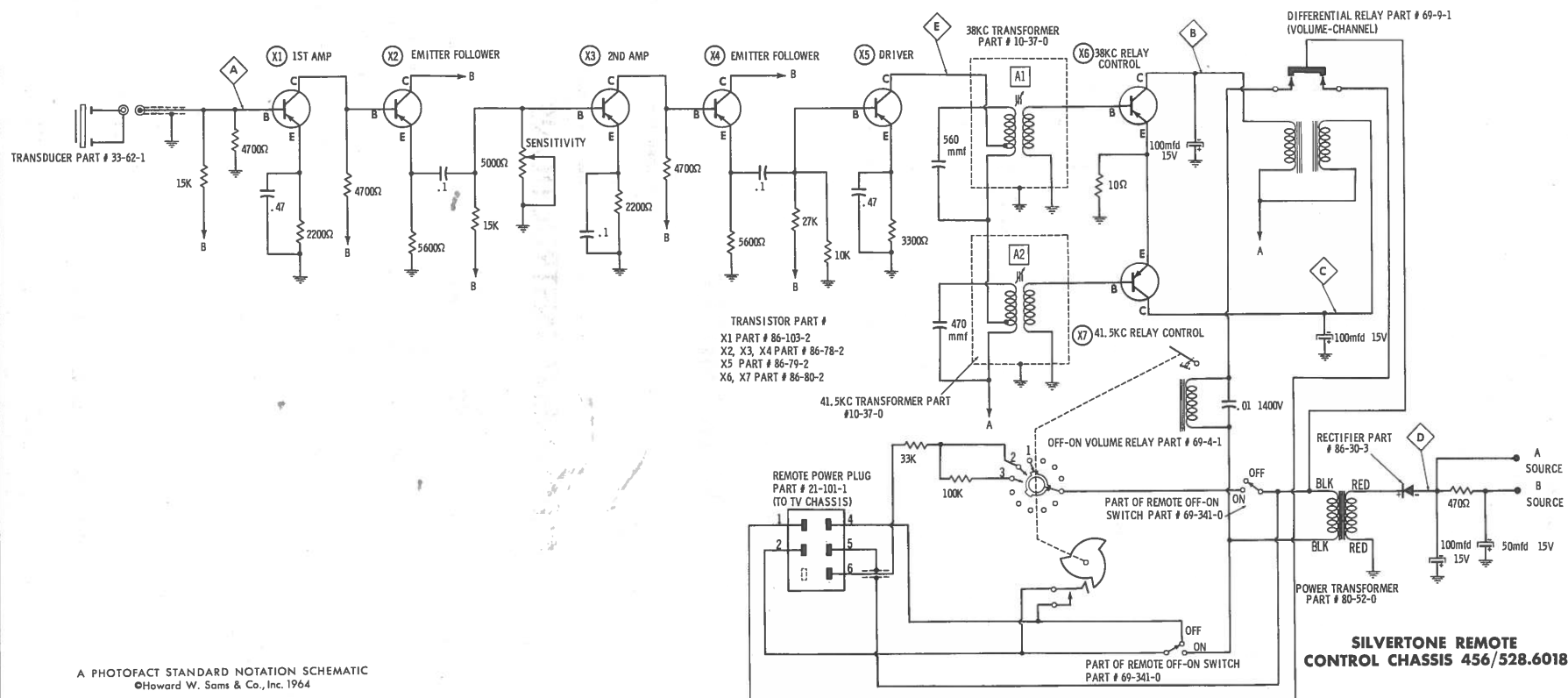
CHASSIS REMOVAL

1. Remove all knobs and loosen antenna leads. Remove cabinet back held by 13 screws.
2. Remove tuner assembly held by 2 screws. Unplug antenna leads to radio, and remove 3 screws holding interlock.
3. Remove 4 screws at upper chassis brackets and 2 screws at bottom chassis brackets.
4. Unplug yoke plug, picture tube socket, high voltage lead and speaker leads.
5. Remove grounding wire at left side of chassis, unplug power cable to radio chassis, and remove TV chassis.

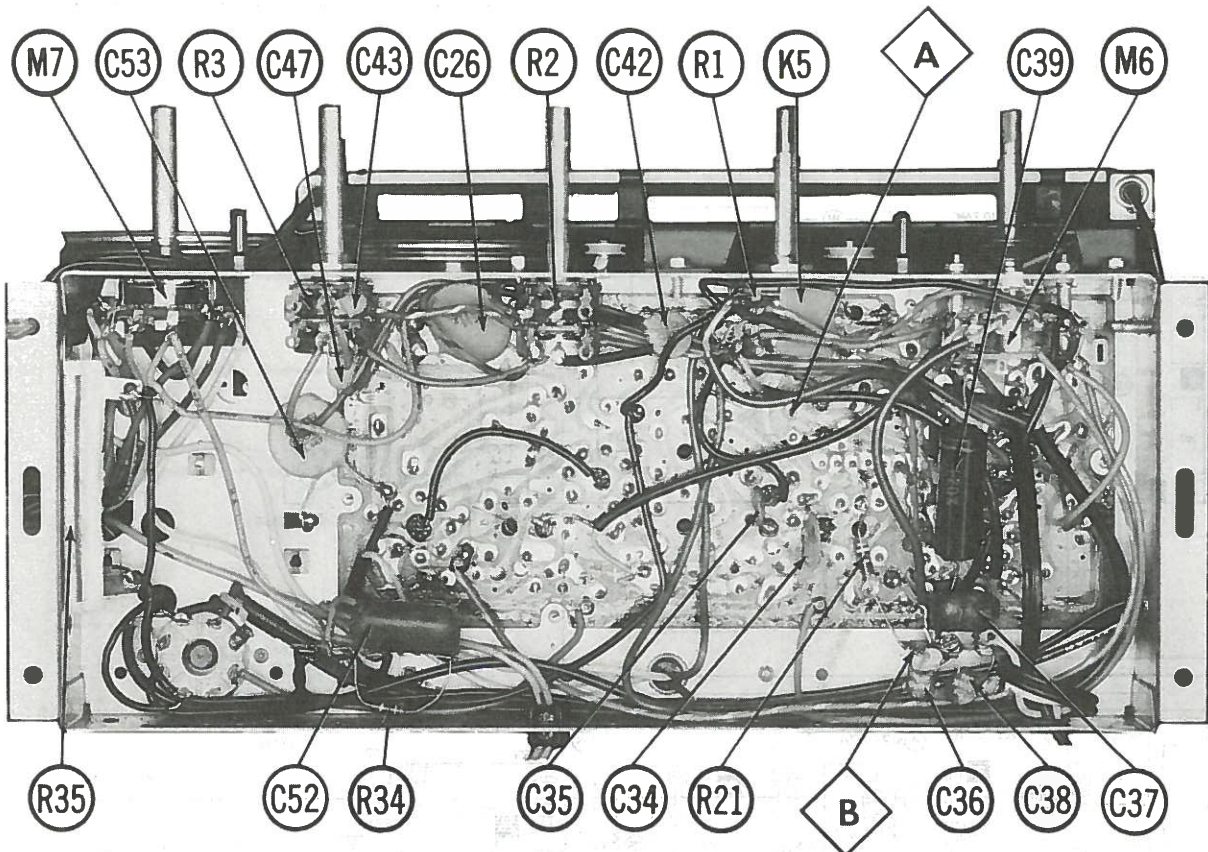
PICTURE TUBE REMOVAL

1. Follow "Chassis Removal" instructions. Remove 4 bolts holding bezel to front of cabinet.
2. Remove 4 bolts from corner braces and remove picture tube.

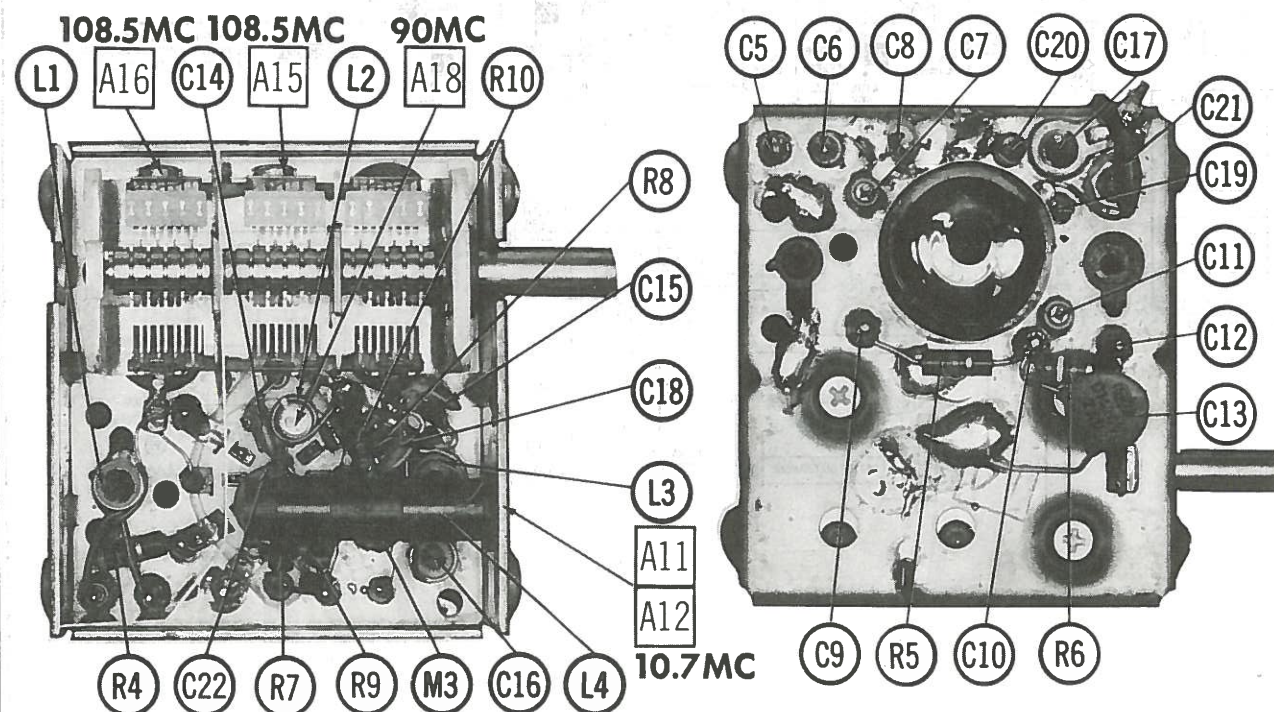




A PHOTOFAC STANDARD NOTATION SCHEMATIC
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CHASSIS-BOTTOM VIEW



FM RF SUBCHASSIS

SET 704 FOLDER 4-B

SILVERTONE AM-FM
CHASSIS 528.54910/911

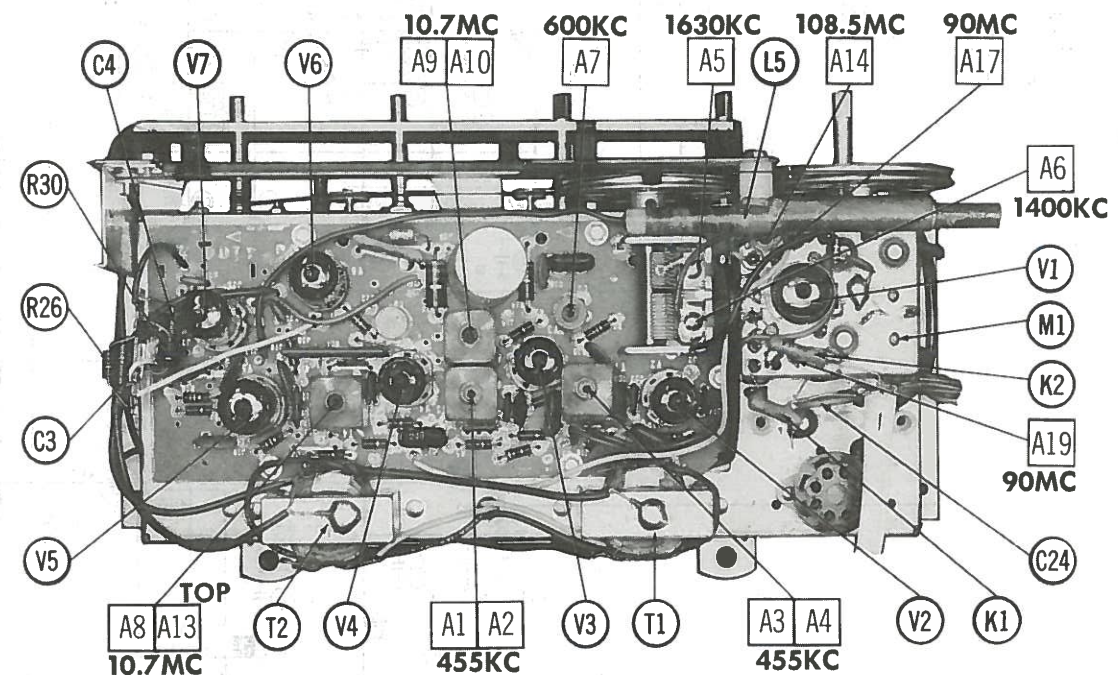
PHOTOFACT® Folder

with CIRCUITRACE™

SILVERTONE AM-FM
CHASSIS 528.54910/911

IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET 704 FOLDER 4. File this Folder with the TV Folder in the yellow filing jacket provided.



TRADE NAME	Silvertone	
SUPPLIER	Sears, Roebuck & Co., 925 So. Homan St., Chicago, Illinois	
TYPE SET	FM-AM Radio	
TUBES	Seven	
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING 52 Watts, .540 Amps. @ 117 Volts AC
TUNING RANGE	AM: 532-1630KC (IF 455KC)	FM: 88-108MC (IF 10.7MC)

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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. MA718

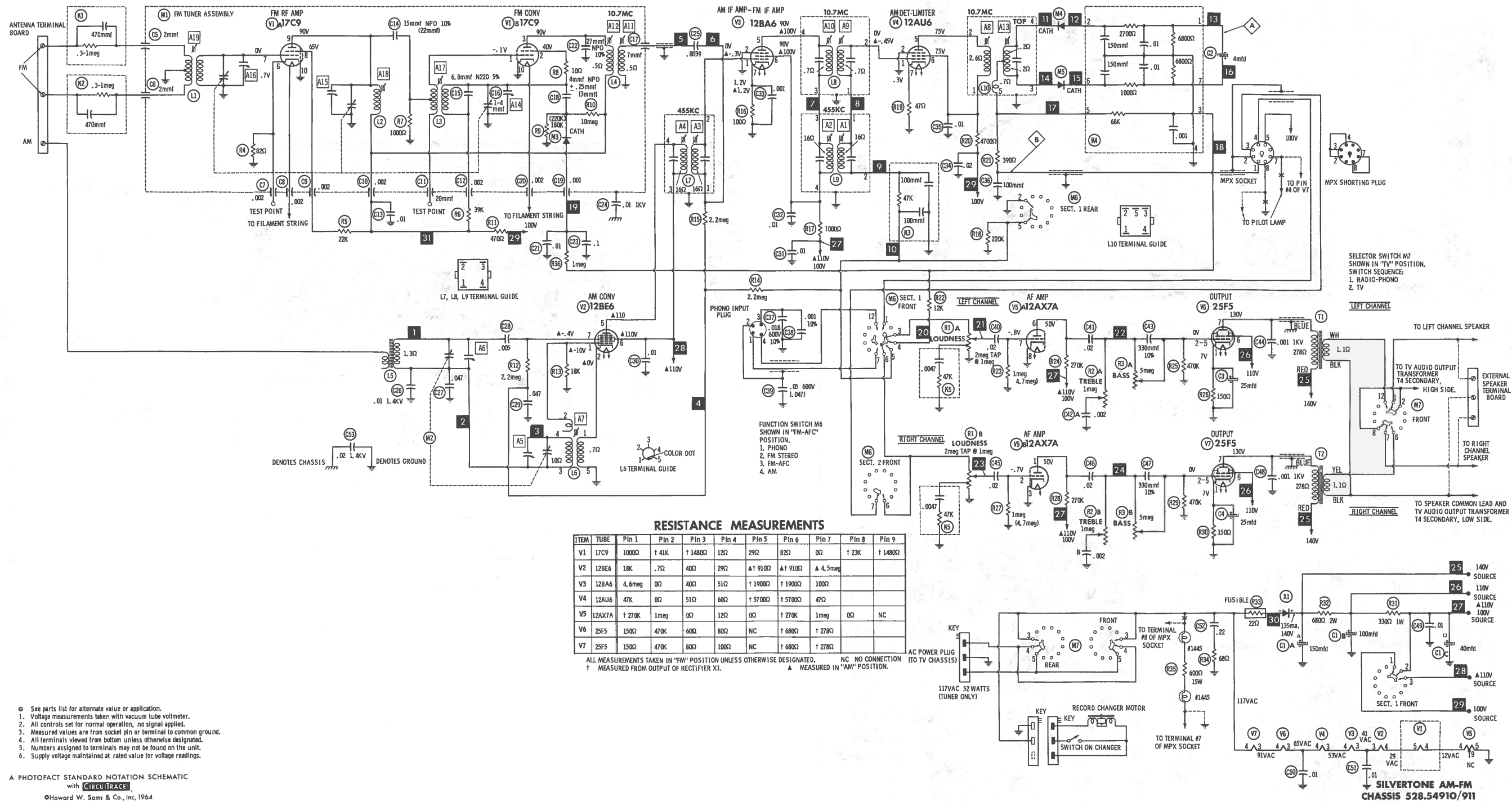
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DATE 7-64

SET 704 FOLDER 4-B

SILVERTONE AM-FM
CHASSIS 528.54910/911

SET 704 FOLDER 4-B



SILVERTONE AM-FM
CHASSIS 528.54910/911

FOLDER 4-B

ALIGNMENT INSTRUCTIONS

Maintain line voltage at 117 volts. Use only enough generator output to obtain a suitable indication. Allow a 15 minute warmup for receiver and equipment.
CAUTION: Use isolation transformer, if available. If not, observe polarity when connecting test equipment.
Suggested Alignment Tools:
A1 thru A4, A7 thru A13, A17 ..GENERAL CEMENT #8606, 8869, 9302 ... WALSCO #2511, 2543, 2588
A18 GENERAL CEMENT #9296, 9300, 9302 ... WALSCO #2510, 2511, 2547
A5, A6, A14, A15, A16 GENERAL CEMENT #8868, 9087, 9089 ... WALSCO #2528, 2541, 2587



AM ALIGNMENT – SELECTOR IN AM POSITION

Fashion loop of several turns of wire and connect generator across loop. Set volume control at maximum.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. 455KC (400v Mod.)	Tuning gang fully open.	Output Meter across Voice coil.	A1, A2, A3, A4	Adjust for maximum. Repeat until no further improvement can be made.
2. 1630KC	"	"	A5	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A6	"
4. 600KC	"	"	A7	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.



FM ALIGNMENT USING AM SIGNAL GENERATOR – SELECTOR IN FM POSITION

High side to ungrounded shield over FM converter tube, low side to ground.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (Unmod.)	Point of non-interference.	DC probe of VTVM to point  ; common to ground.	A8, A9, A10, A11, A12	Adjust for maximum.
6. "	"	DC probe to point  ; common to ground.	A13	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.


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

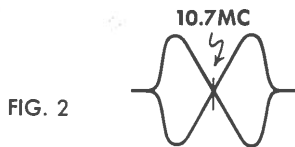
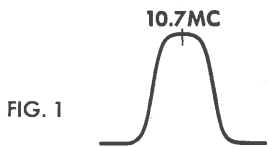
High side to ungrounded shield over FM converter, low side to ground. Use only enough marker signal to obtain indication. Use 60v frequency modulated signal with 450KC sweep. Use 120v sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (450KC Swp.)	Point of non-interference	Vert. amp. of Scope to point  ; low side to ground.	A8, A9, A10, A11, A12	Disconnect stabilizing capacitor C2 . Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C2 .
6. "	"	Vert. amp. to point  ; low side to ground.	A13	Adjust A13 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A 8 (Primary) for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT

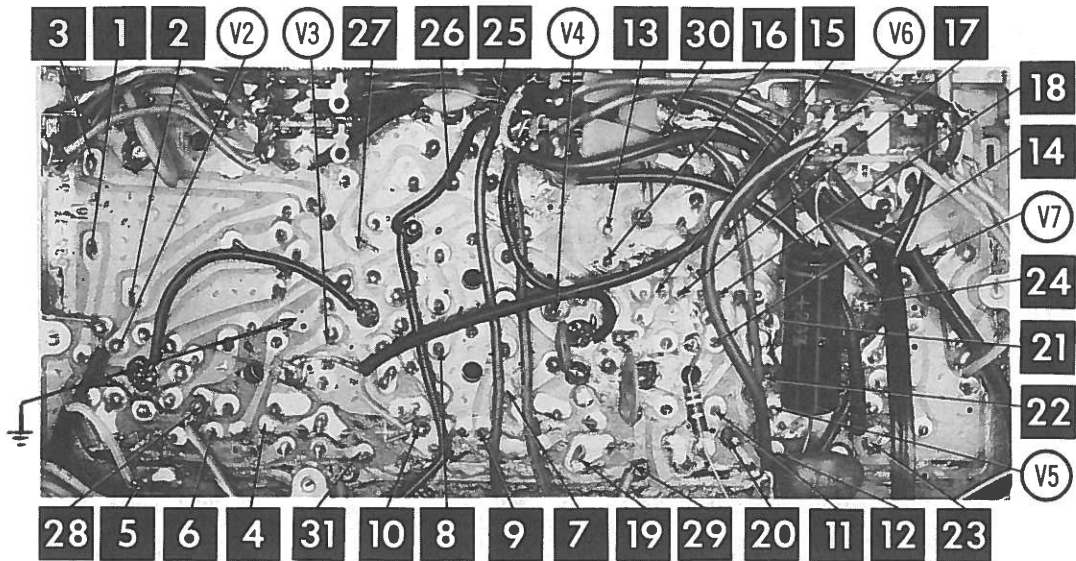
Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
7. 108.5MC	Set at high end.	DC probe of VTVM to point  ; common to ground.	A14, A15, A16	Adjust for maximum.
8. 90MC	Tune to signal.	"	A17, A18, A19	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

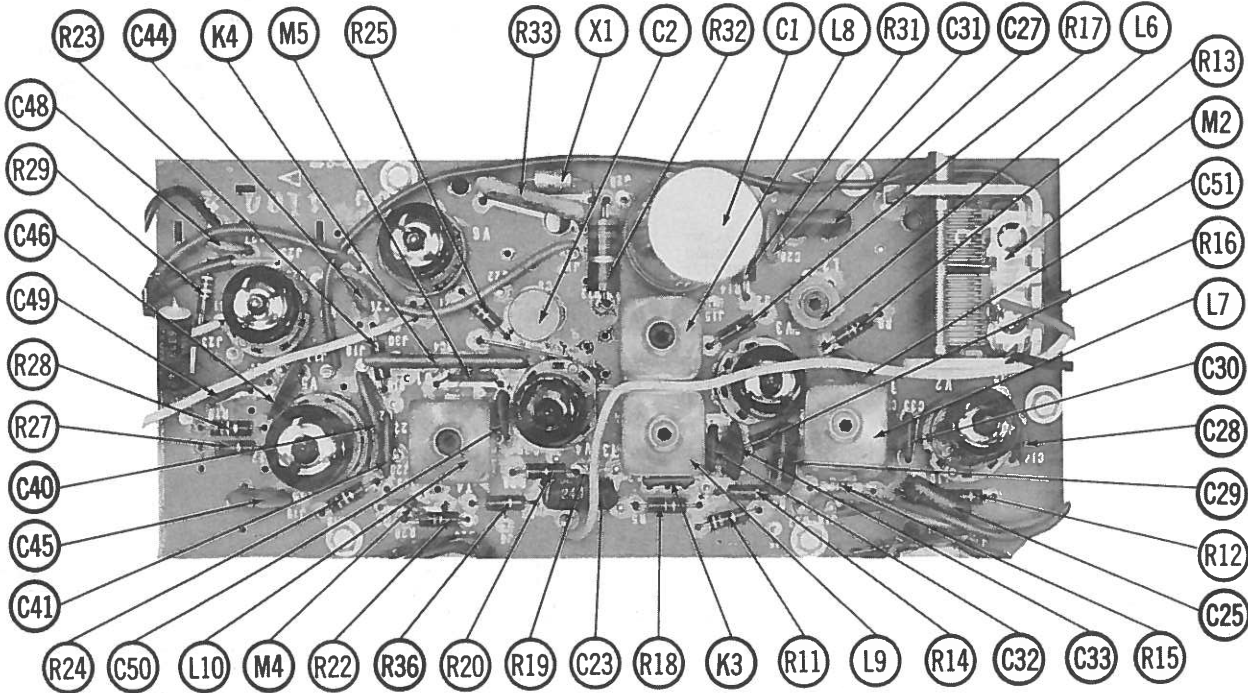


A Howard W. Sams CIRCUITRACE Photo

ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



PRINTED BOARD



PRINTED BOARD, TOP VIEW

SILVERTONE AM-FM CHASSIS 528,54910/911

FOLDER 4-B

PARTS LIST 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.

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA			
			Silvertone PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.
R1A	Loudness, Left	2meg	24-551C (24-551)			
B	Loudness, Right	1meg Tap				
R2A	Treble, Left	2meg				
B	Treble, Right	1meg Tap				
R3A	Bass, Left	1meg	24-599A (24-599)	F2-1meg, R2-1meg, TU304 or (B-70, SR-70)	DA-1meg-Z R-1meg-Z F8-3	B13-137, B B13-137, TM5, QCM or (BU11, CF28, CR21, SS1, SS7A, DC1)*
B	Bass, Right	5meg	24-550B (24-550)	F3-5meg R3-5meg TU304		FD56R, RU56R, CS3500

† "STA-LOC" Equivalent: FA26T16, RU26T16, OS1375, IS1875. Squeeze the control end of the outer shaft until the lines touch each other; force inner shaft through compressed end of outer shaft, and proceed in normal manner. * "SNAPTROL"

MISCELLANEOUS

ITEM No.	PART NAME	Silvertone PART No.	NOTES
M1	FM Tuner	95-263	Complete
M2	Tuning Capacitor	19-116-2	
M3	Diode	45	FM AFC
M4	Diode	86-14-1	Ratio Detector
M5	Diode	86-14-1	Ratio Detector
M6	Switch	69-403-0	Function (Phono-FM Stereo-FM/AFC-AM)
M7	Switch	69-424-0	Selector (Radio-Phono, TV)

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Escutcheon - Tuner	40-3-5	Knob - Selector, Models 4170/A, 4171/A	52-2177-0
Knob - Selector, Models 4170/A, 4171/A	52-2181-0	Knob - Selector, Models 4173/A, 4175/A	52-2155-0
Knob - Selector, Models 4173/A, 4175/A	52-2159-0	Knob - Bass and Treble, Models 4170/A, 4171/A	52-2156-0
Knob - Balance, Models 4170/A, 4171/A	52-2160-0	Knob - Bass and Treble, Models 4173/A, 4175/A	52-2154-0
Knob - Balance, Models 4173/A, 4175/A	52-2158-0		
Knob - Tuning and Loudness, Models 4170/A, 4171/A, 4173/A, 4175/A	52-2182-0		

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in 12 Colors
Knob - Selector, Models 4170/A, 4171/A 8524 (Stranded) Available in 12 Colors
Power Cord Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft.
17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Power Cord (Interlock Type) Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)

TUBES

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	FM RF Amp. - FM Conv.	17C9	V5	AF Amp.	12AX7A						
V2	AM Converter	12BE6	V6	Output	25F5						
V3	AM IF - FM IF Amp.	12BA6	V7	Output	25F5						
V4	AM Det. - FM Limiter	12AU6									

POWER RECTIFIERS

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS		
			MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1	.135A	86-23-3	1N539 or A300 or D300	1N1763 or 1N2862 or 1N3194	40H or F-4

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Silvertone PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	▲150	150	18-157-5	PWH2-19-05	XC0105	KC3-45.1	TMT-3154		PCLS3449.5*
B	100	150		PRS1520	BR150-150	QT1-20	TD-150-150		
C	40	150							
C2	4	15	18-109-5	BCD15004	NLP4-15	MT1-3	BL1370	PET1935	VL-1163
C3	25	12	18-197-5	PTT56	NLW25-12	MT1-6	MLV25-12	TT15X25	TE-1131
C4	25	12	18-197-5	PTT56	NLW25-12	MT1-10	MLV25-12	TT15X25	TE-1131

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

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS			IRC PART No.	WORKMAN PART No.	REMARKS
R33	22Ω (Fuse)		F 22	#43-4-1	R35	600Ω 15W		15W-SQ-600	#61-253-0

Silvertone Part Number

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Silvertone PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	FM Ant.	3768-1					
L2	FM RF	3543-2					
L3	FM Osc.	3561-2					
L4	1st FM IF	3193-14					
L5	Loopstick	82-225-0	BC-419	705-A	RTC-8915	TB521	
L6	AM Osc.	10-55-4		7756		TA560	
L7	1st AM IF	10-116-2A	BC-356	13-PC9	RTC-8683	T646	
L8	2nd FM IF	10-117-2A	FM-256	1463-PC	RTC-9046	T654	
L9	2nd AM IF	10-116-2A	BC-357	13-PC10	RTC-8684	T647	
L10	Ratio Detector	10-60-0	FM-258	7709		TE685	

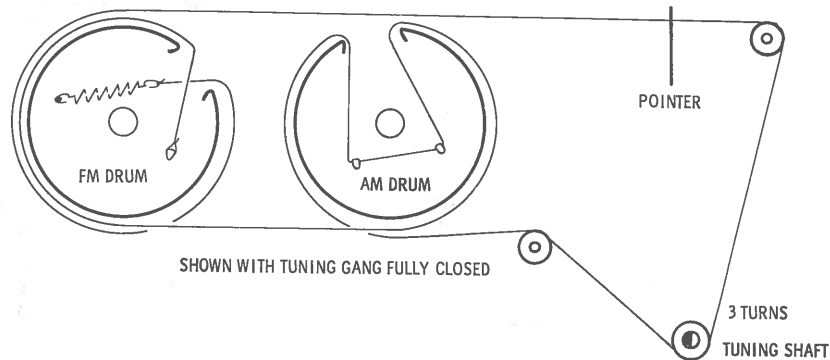
TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	Silvertone PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	2200Ω	6-8Ω	80-162-1	A-2902	A-3849	24S64	S-54X	
T2	2200Ω	6-8Ω	80-162-1	A-2902	A-3849	24S64	S-54X	

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Silvertone PART NO.	REPLACEMENT DATA
K1	Antenna Isolation	.3-1meg, 470mmf	13-49-3	Centralab RC-471
K2	Antenna Isolation	.3-1meg, 470mmf	13-49-3	Sprague AC1-1
K3	Diode RF Filter	47K, 100mmf, 100mmf	13-2-2	Centralab RC-471
K4	Ratio Detector Network	1000Ω, 2700Ω, 6800Ω, 6800Ω, 68K, 150mmf, 150mmf, .001mfd, .01mfd, .01mfd	13-73-3	Sprague AC1-1
K5	Loudness Comp.	47K, 47K, .0047mfd, .0047mfd	13-54-3	Centralab PC-50

DIAL CORD STRINGING



SILVERTONE AM-FM CHASSIS 528.54910/911

FOLDER 4-B