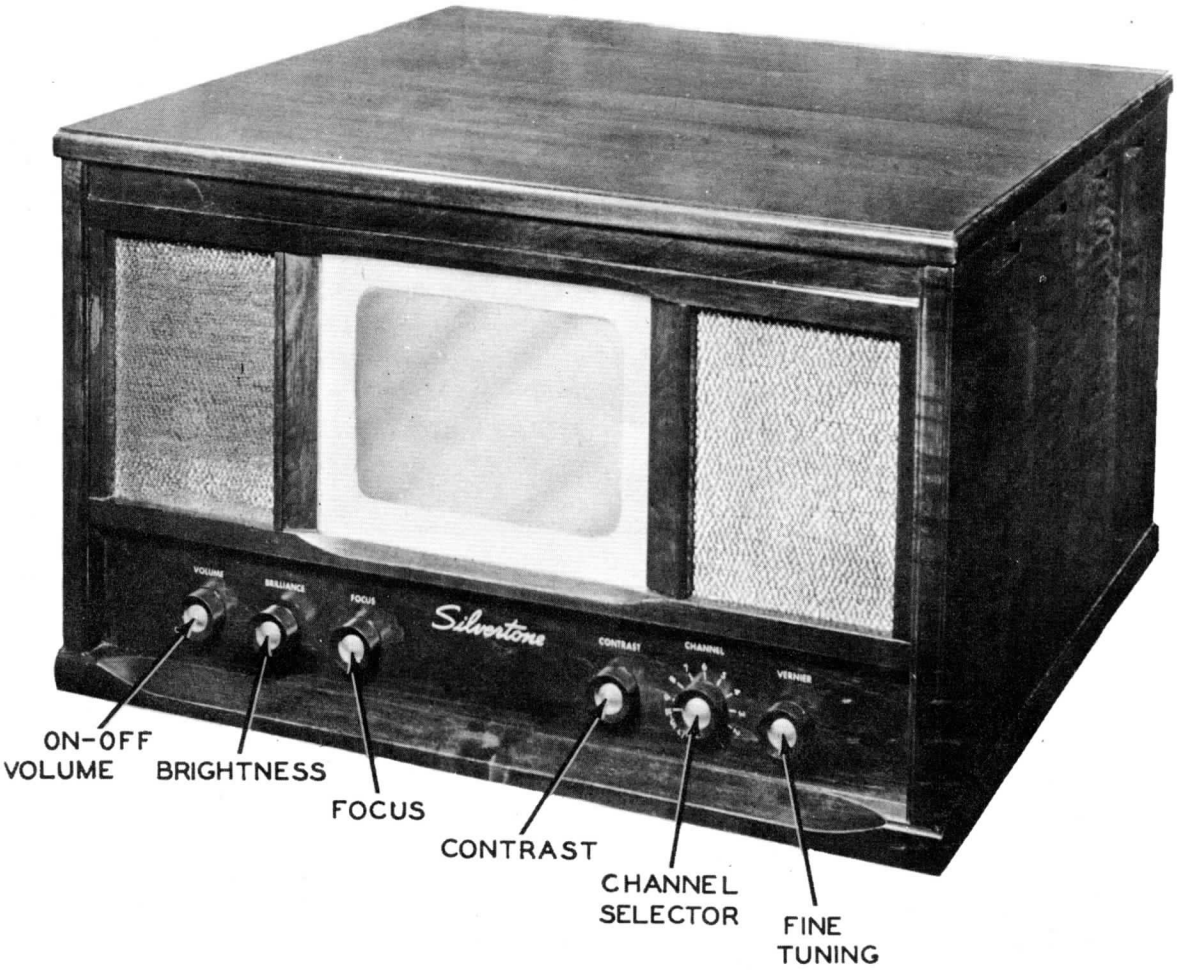
PHOTOFACT* Folder

*TRADE MARK

SILVERTONE MODEL 8130 TELEVISION RECEIVER



SILVERTONE MODEL 8130
TELEVISION RECEIVER

TRADE NAME	Silvertone, Model 8130
SUPPLIER	Sears, Roebuck & Co., 925 S. Homan St., Chicago, Ill.
TYPE SET	Television Receiver
TUBES	Twenty-Five
POWER SUPPLY	105-125V AC RATING 1.39 Amps. @ 117V AC
TUNING RANGE	Channels 1 through 13

TABLE OF CONTENTS

HOWARD W. SAMS & CO., INC. • 2924 East Washington Street • Indianapolis 7, Indiana

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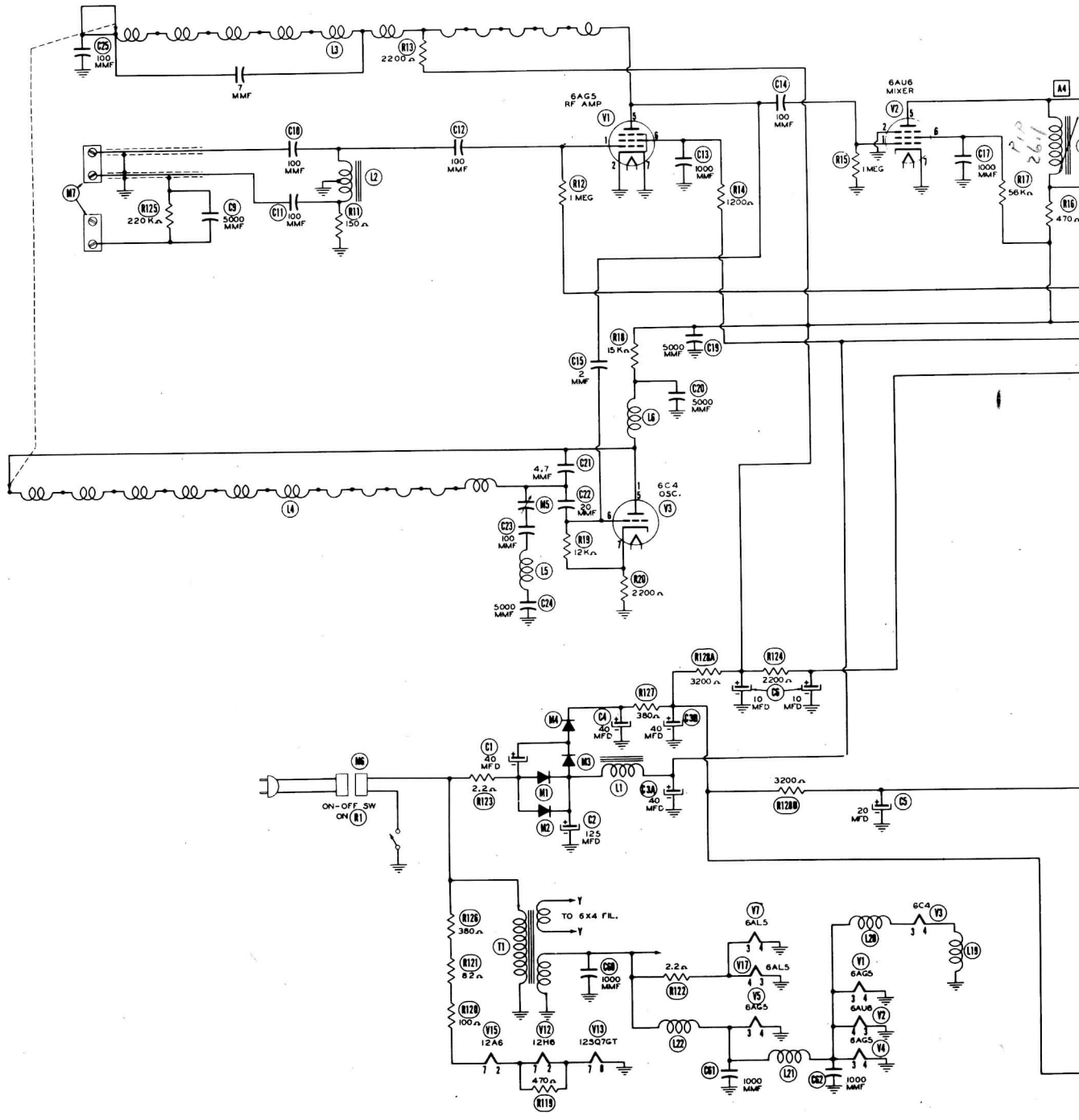
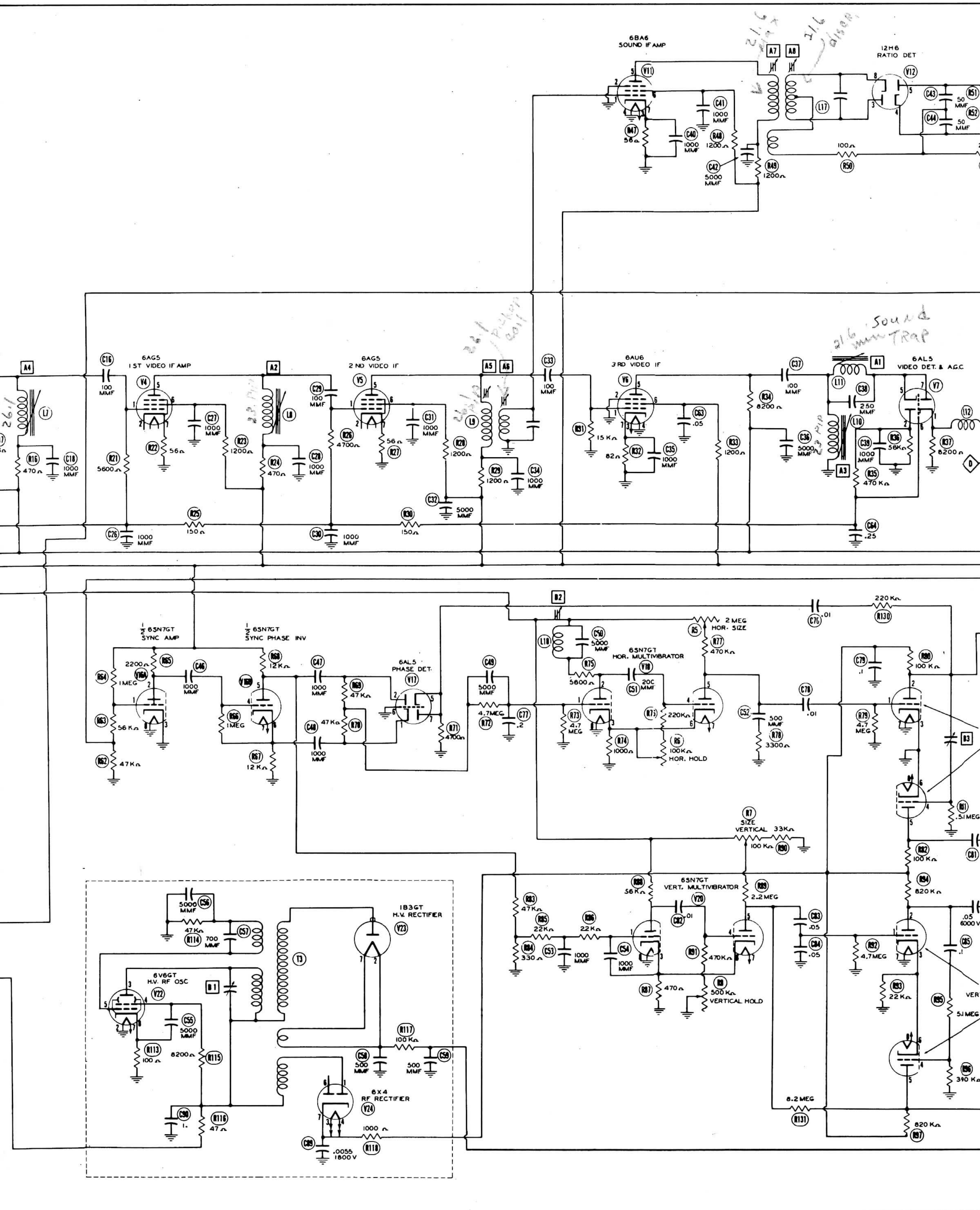
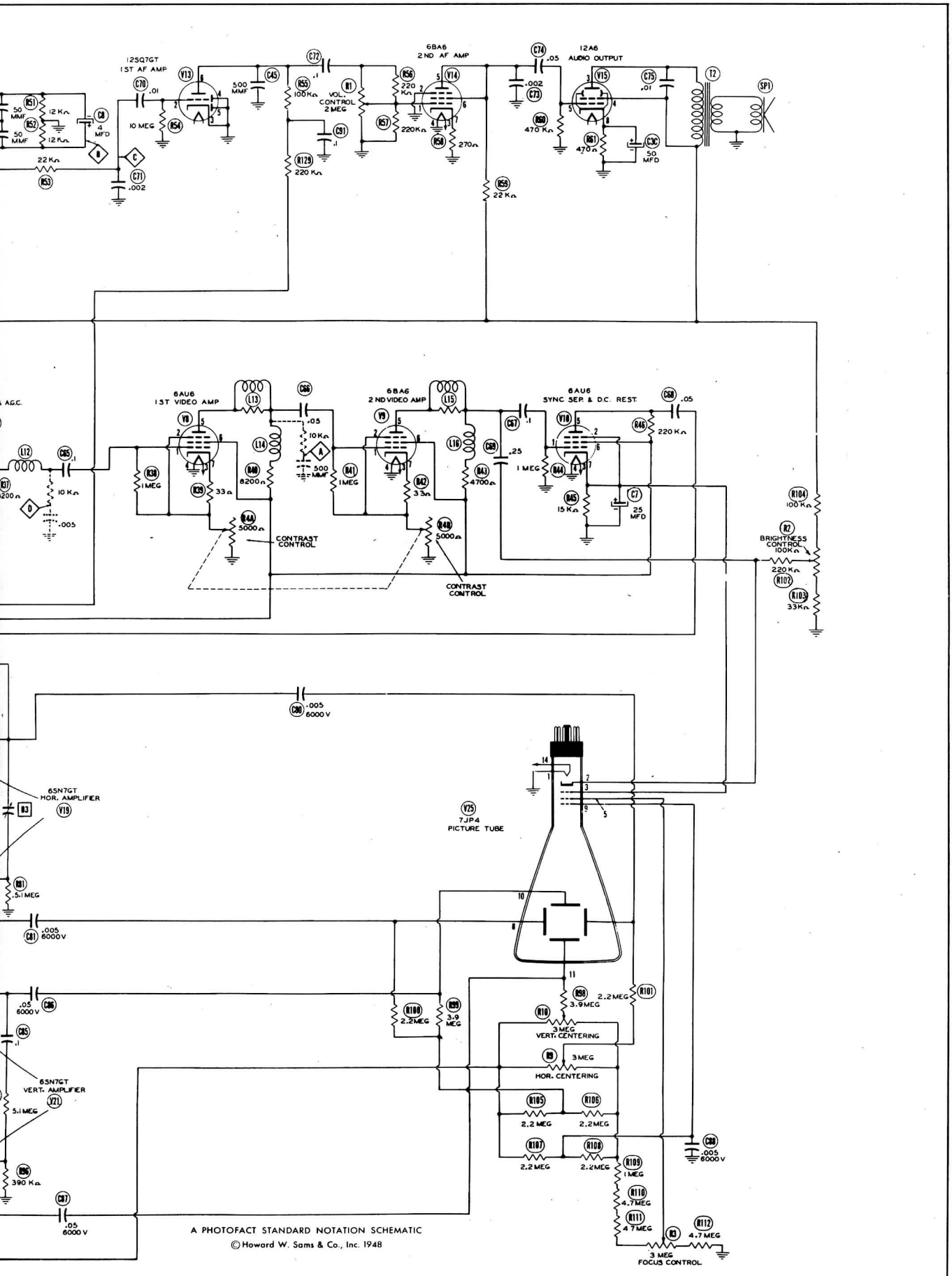
DATE 11/48-#4819-21 SET #49-FOLDER #21

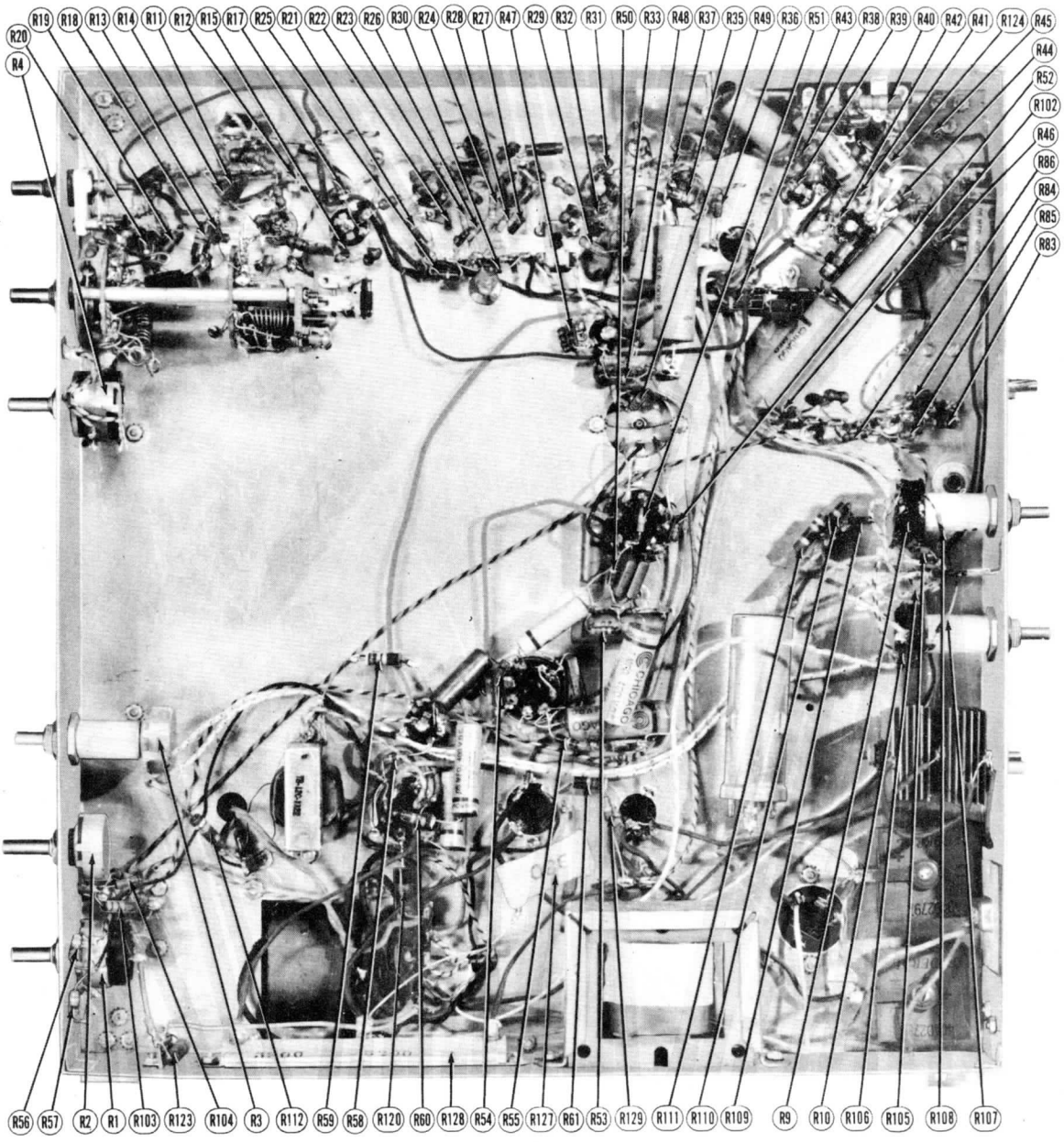

C25 100 MMF
7 MMF
L3
R13 2200Ω
6AG5 RF AMP
V1
C14 100 MMF
6AU6 MIXER
V2
A4
C10 100 MMF
C12 100 MMF
L2
C11 100 MMF
R11 150Ω
R125 220KΩ
C9 5000 MMF
M7
R12 1 MEG
C13 1000 MMF
R14 1200Ω
R15 1 MEG
C17 1000 MMF
R17 56KΩ
R16 470Ω
R18 15KΩ
5000 MMF C19
C15 2 MMF
C20 5000 MMF
L6
C21 4.7 MMF
C22 20 MMF
M5
6C4 OSC.
V3
C23 100 MMF
R19 12KΩ
L5
R20 2200Ω
5000 MMF C24
L4
R128A 3200Ω
R124 2200Ω
C6 10 MFD
10 MFD
R127 380Ω
M4
C4 40 MFD
C3B 40 MFD
C1 40 MFD
M3
M6
ON-OFF SW
ON R1
2.2Ω R123
M1
M2
C2 125 MFD
L1
C3A 40 MFD
3200Ω R128B
20 MFD C5
TO 6X4 FIL.
T1
R126 380Ω
R121 82Ω
R120 100Ω
V15 12A6
V12 12H6
V13 12SQ7GT
470Ω R119
C8B 1000 MMF
2.2Ω R122
V7 6AL5
V17 6AL5
V5 6AG5
L22
C81 1000 MMF
L21
C82 1000 MMF
6C4 V3
L20
L19
V1 6AG5
6AU6 V2
6AG5 V4



6BA6
SOUND IF AMP
V11
C41
1000 MMF
R47
56Ω
C40
1000 MMF
R48
1200Ω
C42
5000 MMF
R49
1200Ω
A7
A8
L17
12H6
RATIO DET
V12
C43
50 MMF
R51
C44
50 MMF
R52
100Ω
R50
A4
L7
R16
470Ω
C18
1000 MMF
C16
100 MMF
6AG5
1 ST VIDEO IF AMP
V4
C27
1000 MMF
R22
56Ω
R23
1200Ω
R21
5600Ω
A2
L8
R24
470Ω
C28
1000 MMF
C26
1000 MMF
R25
150Ω
C29
100 MMF
6AG5
2 ND VIDEO IF
V5
R26
4700Ω
C31
1000 MMF
56Ω
R27
R28
1200Ω
C32
5000 MMF
C30
1000 MMF
R30
150Ω
A5
A6
L9
R29
1200Ω
C34
1000 MMF
C33
100 MMF
6AU6
3 RD VIDEO IF
V6
R31
15 KΩ
R32
82Ω
C35
1000 MMF
C63
.05
R33
1200Ω
C37
100 MMF
R34
8200Ω
C36
5000 MMF
A1
L11
C38
250 MMF
L10
A3
6AL5
VIDEO DET. & A.G.C.
V7
C39
1000 MMF
R36
56KΩ
R35
470 KΩ
C64
.25
R37
8200Ω
L12
D
½ 6SN7GT
SYNC AMP
V16A
R65
2200Ω
R64
1MEG
R63
56 KΩ
R62
47KΩ
C46
1000 MMF
½ 6SN7GT
SYNC PHASE INV
V16B
R68
12KΩ
R66
1MEG
R67
12 KΩ
C47
1000 MMF
C48
1000 MMF
R69
47KΩ
47KΩ
R70
6AL5
PHASE DET.
V17
R71
4700Ω
C49
5000 MMF
4.7MEG
R72
C77
.2
B2
L18
C50
5000 MMF
R75
5600Ω
6SN7GT
HOR. MULTIVIBRATOR
V18
C51
20C MMF
R73
4.7 MEG
R74
1000Ω
R76
220KΩ
R6
100KΩ
HOR. HOLD
R5
2 MEG
HOR. SIZE
R77
470 KΩ
C52
500 MMF
R78
3300Ω
C76
.01
220 KΩ
R130
C78
.01
C79
.1
R80
100 KΩ
R79
4.7 MEG
B3
R81
.5.1 MEG
C81
R7
SIZE
VERTICAL
33KΩ
100 KΩ
R90
R82
100 KΩ
R94
820 KΩ
R88
56 KΩ
6SN7GT
VERT. MULTIVIBRATOR
V20
R89
2.2 MEG
R83
47KΩ
R85
22KΩ
R86
22KΩ
R84
330Ω
C53
1000 MMF
C54
1000 MMF
C82
.01
R91
470KΩ
R87
470Ω
R8
500 KΩ
VERTICAL HOLD
C83
.05
C84
.05
R92
4.7MEG
.05
6000 V
C85
.1
R93
22 KΩ
R95
5.1 MEG
VER
R96
390 KΩ
8.2 MEG
R131
820 KΩ
R97
C56
5000 MMF
47 KΩ
R114
700 MMF
C57
T3
1B3GT
H.V. RECTIFIER
V23
6V6GT
H.V. RF OSC
V22
B1
C55
5000 MMF
R113
100Ω
8200Ω
R115
R117
100 KΩ
C58
500 MMF
500 MMF
C59
6X4
RF RECTIFIER
V24
C90
1.
R116
47Ω
1000Ω
R118
C89
.0055
1800 V
26.1
21.6
21.6
sound
trap
pickup
coil

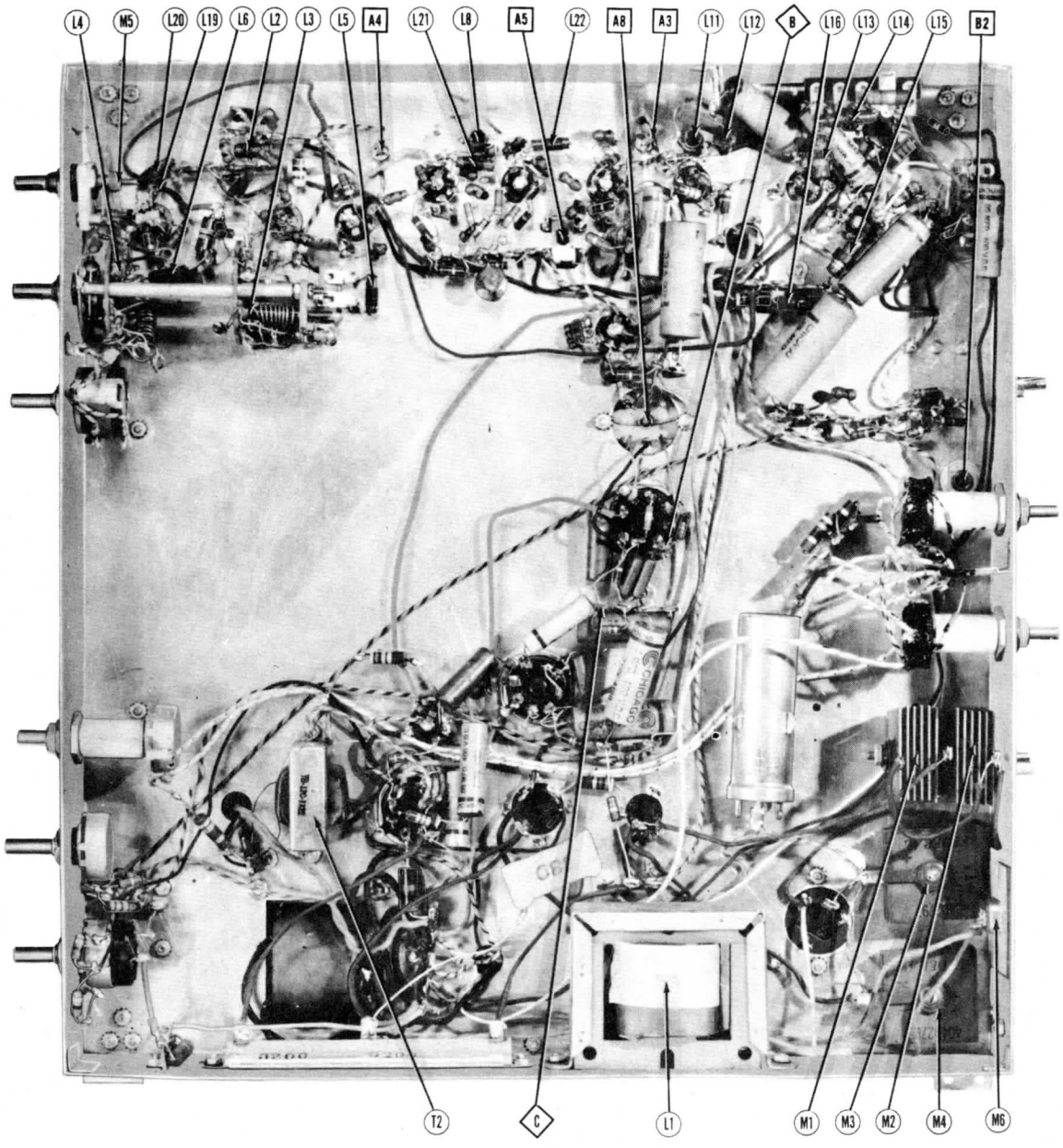


SILVERTONE MODEL 8130
TELEVISION RECEIVER



SILVERTONE MODEL 8130
TELEVISION RECEIVER

CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION



CHASSIS BOTTOM VIEW—TRANSFORMER, INDUCTOR AND ALIGNMENT IDENTIFICATION.

ALIGNMENT INSTRUCTIONS

IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Waveform shown may be inverted depending on the number of amplifying stages in the vertical amplifier of the particular scope being used.

The marker signal must be attenuated so that only a small "pip" is visible. A strong signal will cause undesirable AGC action and will distort or swamp the pattern.

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the scope for the horizontal deflection.

Disconnect C14 from Pin 5 of the RF Amplifier, V1. Solder a carbon resistor of a value that matches the output impedance of the signal generator (usually about 50Ω) between pin #1 and the center terminal (ground) of V2. The signal is coupled to Pin 1 through C14.

Connect a series network composed of a 10KΩ carbon resistor and a 500 MMF. capacitor from the junction of L13 and L14 and ground as shown on schematic. The scope is connected across the 500 MMF. capacitor.

Use an isolation transformer to prevent possible damage to the receiver or test equipment.

VIDEO IF ALIGNMENT

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1	100MMF. (C14)	High side to Pin #1 of the mixer (V2) through C14. Low side to center terminal of V2 socket		21.6MC (Modulated)	Any Channel	Vertical input to Point A. Low side to chassis.	A1	Adjust for minimum deflection.
2	100MMF. (C14)	"	24MC (10MC sweep)	23MC	"	"	A2,A3	Adjust for placement of marker pip as shown in Fig. 1.
3	100MMF. (C14)	"	"	26.1MC	"	"	A4,A5	Adjust so marker pip sets approximately half way up the slope as shown in Fig. 1.
4	100MMF. (C14)	"	"	25.5MC	"	"		Check position of marker as shown in Fig. 1. Maximum dip in center should not exceed 20%.

CARE SHOULD BE TAKEN THAT ADJACENT COILS ARE NOT ADJUSTED TOO NEAR THE SAME FREQUENCY.

SOUND IF ALIGNMENT

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
5	100 MMF. (C14)	High side to Pin #1 of the mixer (V2) thru C14. Low side to center terminal of V2 socket.	21.6MC (600KC sweep)	21.6MC	Any Channel	Vertical input to Point B. Low side to chassis.	A6,A7	Temporarily disconnect one end of stabilizer capacitor C8. Adjust for maximum amplitude with marker at peak of curve. See Fig. 2.
6	100 MMF. (C14)	"	"	"		Vertical input to Point C. Low side to chassis.	A8	Reconnect C8. Adjust for symmetrical pattern with marker at center of straight portion. See Fig. 3.

ALTERNATE IF ALIGNMENT USING VTVM

Disconnect C14 from Pin 5 of the RF Amplifier, V1. Solder a carbon resistor of a value that matches the output impedance of the signal generator (usually about 50Ω) between Pin #1 and the center terminal (ground) of V2. The signal is coupled to Pin 1 through C14.

Connect a series network composed of a 10KΩ carbon resistor and a .005 MFD. capacitor from the junction of L12 and C65 to ground. The VTVM is connected across the .005 MFD. capacitor.

Use an isolation transformer to prevent possible damage to the receiver or test equipment.

VIDEO IF ALIGNMENT

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1	100 MMF. (C14)	High side to Pin #1 of the mixer (V2) through C14. Low side to center terminal of V2 socket.	21.6MC	Any Channel	DC probe to Point D. Common to chassis.	A1	Adjust for minimum deflection.
2	100 MMF. (C14)	"	22.8MC	"	"	A2,A3	Adjust for maximum deflection. Adjust RF input to maintain VTVM reading at approximately one volt.
3	100 MMF. (C14)	"	25.8MC	"	"	A4,A5	Adjust for maximum output.

SOUND IF ALIGNMENT

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4	100 MMF. (C14)	High side to Pin #1 of the mixer (V2) through C14. Low side to center terminal of V2 socket.	21.6MC	Any Channel	DC probe to Point B. Common to chassis	A6,A7	Adjust for maximum deflection. Use one millivolt input.
5	100 MMF. (C14)	"	"	"	DC probe to Point C. Common to chassis.	A8	Adjust for zero voltage. Tuning the signal generator on either side of 21.6 MC should cause a sharp increase in voltage of opposite polarity.

THE RF ADJUSTMENTS ARE PRE-SET AT THE FACTORY. DO NOT READJUST.

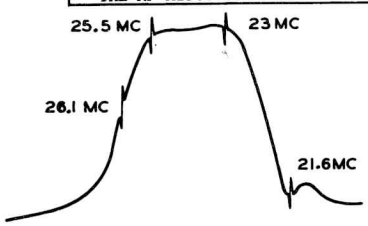


FIG. 1

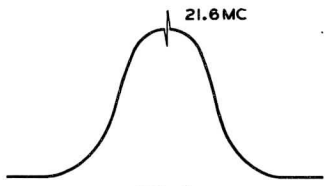


FIG. 2

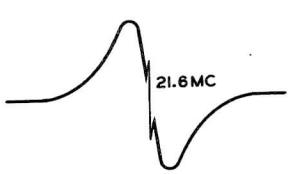
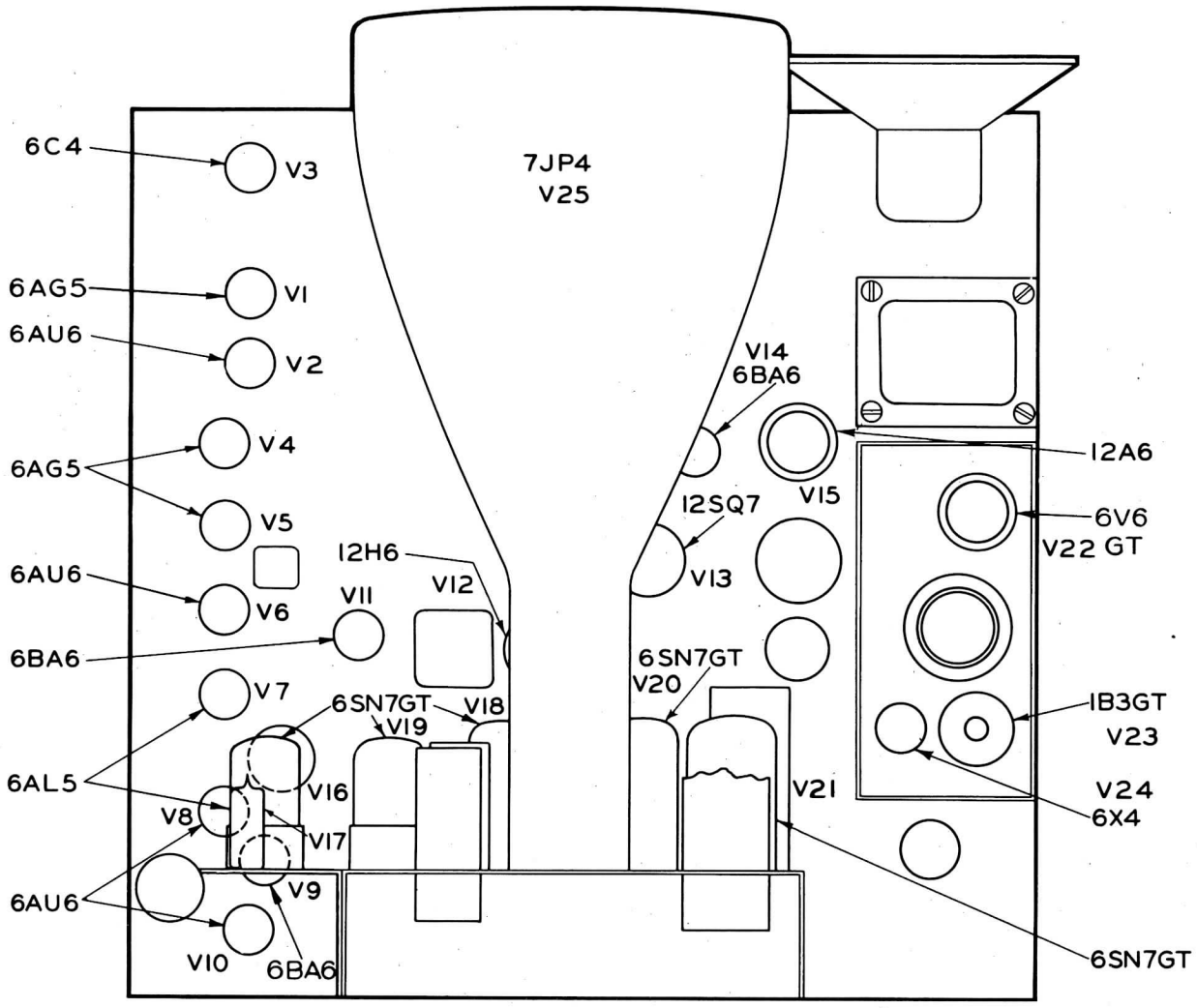


FIG. 3

SILVERTONE MODEL 8130
TELEVISION RECEIVER



TUBE PLACEMENT CHART

SILVERTONE MODEL 8130
TELEVISION RECEIVER

PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	USE	REPLACEMENT DATA: SILVERTONE PART No.	REPLACEMENT DATA: STANDARD REPLACEMENT	RMA BASE TYPE	NOTES
V1	RF Amplifier	6AG5	6AG5	7BD	
V2	Mixer	6AU6	6AU6	7BK	
V3	Oscillator	6C4	6C4	6BG	
V4	1st Video IF Amp.	6AG5	6AG5	7BD	
V5	2nd " " "	6AG5	6AG5	7BD	
V6	3rd " " "	6AU6	6AU6	7BK	
V7	Video Det. & AGC	6AL5	6AL5	6BT	
V8	1st Video Amp.	6AU6	6AU6	7BK	
V9	2nd " "	6BA6	6BA6	7BK	
V10	Sync. Sep. & DC Restorer	6AU6	6AU6	7BK	
V11	Sound IF Amp.	6BA6	6BA6	7BK	
V12	Ratio Detector	12H6	12H6	7Q	
V13	1st AF Amp.	12SQ7GT	12SQ7GT	8Q	
V14	2nd AF Amp.	6BA6	6BA6	7BK	
V15	Audio Output	12A6	12A6	7AC	
V16	Sync. Amp. & Phase Inv.	6SN7GT	6SN7GT	8BD	
V17	Phase Det.	6AL5	6AL5	6BT	
V18	Hor. Multivibrator	6SN7GT	6SN7GT	8BD	
V19	Hor. Amplifier	6SN7GT	6SN7GT	8BD	
V20	Vert. Multivibrator	6SN7GT	6SN7GT	8BD	
V21	Vert. Amplifier	6SN7GT	6SN7GT	8BD	
V22	H.V. RF Osc.	6V6GT	6V6GT	7AC	
V23	H.V. Rectifier	1B3GT	1B3GT	3C	
V24	RF Rectifier	6X4	6X4	5BS	
V25	Picture Tube	7JP4	7JP4	14G	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING: CAP.	RATING: VOLT	REPLACEMENT DATA: SILVERTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	SOLAR PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
C1	40	450	A-8C-1458		UP6A-292	DY-TV-40-450		Doubler Cap.
C2	125	150	A-8C-1437		UP6A-333	DY-TV-125-150		Filter
C3A	40	350	A-8C-1436	AF88J4A	UP4445C	DY-TV-318		◓ "
B	40	350		PRS25-25				■ "
C	50	25						▲ D.C. Res. Cath.
C4	40	450	A-8C-1458		UP4045	DY-TV-40-450		Filter
C5	20	350	A-8C-1438	AF22J	UP1145			"
C6A	10	350	A-8C-1438		UP1145	DY-TV-2X10-350		■ "
B	10	350						▲ "
C7	25	25		PRS25-25	BR252A	M-25-25	TA-25	Cathode Bypass
C8	4	25	A-8C-1082	PRS150-4	BR415		TA-5	Stabilizing Cap.
C9	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	RF Bypass -Cer
C10	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	Ant. Coupling "
C11	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	" " "
C12	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	RF Coupling "
C13	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	RF Screen Bypass "
C14	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	RF Coupling "
C15	1.5		A-8G-1081					Osc. Coupling "
C16	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	IF Coupling "
C17	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Mixer Screen Bypass "
C18	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Mixer Plate Decoup. "
C19	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	RF Bypass "
C20	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	Osc. Plate Decoup. "
C21	4.7		A-8G-1079					Osc. Feedback "
C22	20		A-8G-469					Osc. Grid Cap. "
C23	100		A-8G-1076	1468-0001	5W5T5	MO.5-31	1FM-31	Fixed Padder "
C24	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	" " "
C25	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	Fixed Trimmer "
C26	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	AGC Filter "
C27	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	1st V. IF Screen Byp. "
C28	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	1st V. IF Plate Decoup. "
C29	100		A-8G-1076	1468-001	5W5T1	MO.5-31	1FM-31	Video IF Coupling "
C30	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	AGC Filter "
C31	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	2nd V. IF Screen Byp. "
C32	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	RF Bypass "
C33	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	Video IF Coupling "

RESISTORS

ITEM No.	RATING: RESISTANCE	RATING: WATTS	REPLACEMENT DATA: SILVERTONE PART No.	REPLACEMENT DATA: IRC PART No.	IDENTIFICATION CODES		
R11	150Ω	½	C-9B-315-52		Br.-Grn.-Br.	Antenna Transformer Shunt	±10%
R12	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	RF Grid	
R13	2200Ω	½	C-9B-315-66	BTS-2200	Red-Red-Red	RF Plate Load	±10%
R14	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	RF Screen	±10%
R15	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	Mixer Grid	
R16	470Ω	½	C-9B-315-11	BTS-470	Yl.-Vi.-Br.	Mixer Plate Decoupling	
R17	56KΩ	½	C-9B-315-83	BTS-56K	Grn.-Blue-Or.	Mixer Screen	±10%
R18	15KΩ	1	C-9B-316-76	BTA-15K	Br.-Grn.-Or.	Osc. Decoupling	±10%
R19	12KΩ	½	C-9B-315-75	BTS-12K	Br.-Red-Or.	Osc. Grid	±10%
R20	2200Ω	½	C-9B-315-66	BTS-2200	Red-Red-Red	Osc. Cathode	±10%
R21	5600Ω	½	C-9B-315-71	BTS-5600	Grn.-Blue-Red	1st Video IF Grid	±10%
R22	56Ω	½	C-9B-315-47		Grn.-Blue-Blk.	1st Video IF Cathode	±10%
R23	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	1st Video IF Screen	±10%
R24	470Ω	½	C-9B-315-11	BTS-470	Yl.-Vi.-Br.	1st Video IF Plate Decoupling	
R25	150Ω	½	C-9B-315-52		Br.-Grn.-Br.	AGC Network	±10%
R26	4700Ω	½	C-9B-315-10	BTS-4700	Yl.-Vi.-Red	2nd Video IF Grid	±10%
R27	56Ω	½	C-9B-315-47		Grn.-Blue-Blk.	2nd Video IF Cathode	±10%
R28	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	2nd Video IF Screen	±10%
R29	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	2nd Video IF Plate Decoupling	±10%
R30	150Ω	½	C-9B-315-52		Br.-Grn.-Br.	AGC Network	±10%
R31	15KΩ	½	C-9B-315-76	BTS-15K	Br.-Grn.-Or.	3rd IF Grid	±10%
R32	82Ω	½	C-9B-315-49		Gray-Red-Blk.	3rd Video IF Cathode	±10%
R33	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	3rd Video IF Screen	±10%
R34	8200Ω	½	C-9B-315-73	BTS-8200	Gray-Red-Red	3rd Video IF Plate	±10%
R35	470KΩ	½	C-9B-315-29	BTS-470K	Yl.-Vi.-Yl.	AGC Network	
R36	56KΩ	½	C-9B-315-83	BTS-56K	Grn.-Blue-Or.	AGC Diode Load	±10%
R37	8200Ω	½	C-9B-315-73	BTS-8200	Gray-Red-Red	Video Det. Load	±10%
R38	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	1st Video Amp. Grid	
R39	33Ω	½	C-9B-315-44		Or.-Or.-Blk.	1st Video Amp. Cathode	±10%
R40	8200Ω	1	C-9B-316-73	BTA-8200	Gray-Red-Red	1st Video Amp. Plate	±10%
R41	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	2nd Video Amp. Grid	
R42	33Ω	½	C-9B-315-44		Or.-Or.-Blk.	2nd Video Amp. Cathode	±10%
R43	4700Ω	1	C-9B-316-70	BTA-4700	Yl.-Vi.-Red	2nd Video Amp. Plate	±10%
R44	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	Sync. Separator Grid	
R45	15KΩ	½	C-9B-315-76	BTS-15K	Br.-Grn.-Or.	Sync. Separator Cathode	±10%
R46	220KΩ	½	C-9B-315-27	BTS-220K	Red-Red-Yl.	Sync. Separator Plate	
R47	56Ω	½	C-9B-315-47		Grn.-Blue-Blk.	1st Sound IF Cathode	±10%
R48	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	1st Sound IF Screen	±10%
R49	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	1st Sound IF Decoup.	±10%
R50	100Ω	½	C-9B-315-50		Br.-Blk.-Br.	Balancing Resistor	±10%
R51	12KΩ	½	C-9B-315-75	BTS-10K	Br.-Blk.-Or.	Diode Load	±10%
R52	12KΩ	½	C-9B-315-75	BTS-10K	Br.-Blk.-Or.	" "	±10%
R53	22KΩ	½	C-9B-315-21	BTS-22K	Red-Red-Or.	De-emphasis	±10%
R54	10 Meg.	½	C-9B-315-37	BTS-10 Meg.	Br.-Blk.-Blue	1st AF Grid	
R55	100KΩ	½	C-9B-315-25	BTS-100K	Br.-Blk.-Yl.	1st AF Plate	
R56	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	Vol. Control Shunt	±10%
R57	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	" " "	±10%
R58	270Ω	½	C-9B-315-55	BW-½-270	Red-Vi.-Br.	2nd AF Cathode	±10%
R59	22KΩ	2	C-9B-317-21	BT-2-22K	Red-Red-Or.	2nd AF Plate-See Note 1	±10%
R60	470KΩ	½	C-9B-315-29	BTS-470K	Yl.-Vi.-Yl.	Output Grid	
R61	470Ω	1	C-9B-316-58	BTA-470	Yl.-Vi.-Br.	Output Cathode	±10%
R62	47KΩ	½	C-9B-315-23	BTS-47K	Yl.-Vi.-Or.	Sync. Amp. Grid	
R63	56KΩ	½	C-9B-315-83	BTS-56K	Grn.-Blue-Or.	Sync. Amp. Grid	±10%
R64	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	Bleeder	
R65	2200Ω	1	C-9B-316-66	BTA-2200	Red-Red-Red	Sync. Amp. Plate	±10%
R66	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	Sync. Phase Inv. Grid	
R67	12KΩ	½	C-9B-315-75	BTS-12K	Br.-Red-Or.	Sync. Phase Inv. Cathode	±10%
R68	12KΩ	½	C-9B-315-75	BTS-12K	Br.-Red-Or.	Sync. Phase Inv. Plate	±10%
R69	47KΩ	½	C-9B-315-23	BTS-47K	Yl.-Vi.-Or.	Phase Det. Diode Load	
R70	47KΩ	½	C-9B-315-23	BTS-47K	Yl.-Vi.-Or.	" " " "	
R71	4.7KΩ	½	C-9B-315-10	BTS-4700	Yl.-Vi.-Red	Phase Det. Input	
R72	4.7 Meg.	½	C-9B-315-35	BTS-4.7 Meg.	Yl.-Vi.-Grn.	AFC Coupling	
R73	4.7 Meg.	½	C-9B-315-35	BTS-4.7 Meg.	Yl.-Vi.-Grn.	Horizontal M.V. Grid	
R74	1000Ω	½	C-9B-315-62	BTS-1000	Br.-Blk.-Red	Horizontal M.V. Cathode	±10%
R75	5600Ω	½	C-9B-315-71	BTS-5600	Grn.-Blue-Red	Horizontal M.V. Plate	±10%
R76	220KΩ	½	C-9B-315-27	BTS-220K	Red-Red-Yl.	Horizontal M.V. Grid	
R77	470KΩ	½	C-9B-315-29	BTS-470K	Yl.-Vi.-Yl.	Horizontal M.V. Plate	
R78	3300Ω	½	C-9B-315-68	BTS-3300	Or.-Or.-Red	Peaking Resistor	±10%
R79	4.7 Meg.	½	C-9B-315-35	BTS-4.7 Meg.	Yl.-Vi.-Grn.	Horizontal Output Grid	
R80	100KΩ	1	C-9B-316-86	BTA-100K	Br.-Blk.-Yl.	Horizontal Output Plate	±10%
R81	5.1 Meg.	½		BTS-5.1 Meg.	Grn.-Br.-Grn.	Horizontal Output Grid	+ 5%
R82	100KΩ	1	C-9B-316-86	BTA-100K	Br.-Blk.-Yl.	Horizontal Output Plate	±10%
R83	47KΩ	½	C-9B-315-23	BTS-47K	Yl.-Vi.-Or.	Voltage Divider	
R84	330Ω	½		BW-½-330	Or.-Or.-Br.	" "	
R85	22KΩ	½	C-9B-315-21	BTS-22K	Red-Red-Or.	Integrator Network	

C34	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	2nd V. IF Plate Decoup. "	R86	22KΩ	½	C-9B-315-21	BTS-22K	Red-Red-Or.	" "	
C35	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	3rd V. IF Cath. Byp. "	R87	470Ω	½	C-9B-315-58	BTS-470	Yl.-Vi.-Br.	Vert. M.V. Cathode	±10%
C36	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	3rd V. IF Plate Decoup. "	R88	56KΩ	½	C-9B-315-83	BTS-56K	Grn.-Blue-Or.	Vert. M.V. Plate	±10%
C37	100		A-8G-1076	1468-0001	5W5T1	MO.5-31	1FM-31	Video Coupling "	R89	2.2 Meg.	½	C-9B-315-102	BTS-2.2 Meg.	Red-Red-Grn.	" " "	±10%
C38	250	500	A-8F-506	1468-00025	5W5T25	MO.5-325	1FM-325	Fixed Trimmer	R90	33KΩ	½	C-9B-315-22	BTS-33K	Or.-Or.-Or.	Bleeder	
C39	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	RF Filter "	R91	470KΩ	½	C-9B-315-29	BTS-470K	Yl.-Vi.-Yl.	Vert. M.V. Grid	
C40	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	IF Cath. Bypass "	R92	4.7 Meg.	½	C-9B-315-35	BTS-4.7 Meg.	Yl.-Vi.-Grn.	Vert. Output Grid	
C41	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	IF Screen Bypass "	R93	22KΩ	½	C-9B-315-21	BTS-22K	Red-Red-Or.	Vert. Output Cathode	
C42	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	IF Plate Decoup. "	R94	820KΩ	½	C-9B-315-97	BTS-820K	Gray-Red-Yl.	Vert. Output Plate	±10%
C43	50	500	A-8F-456	1468-00005	5W5Q5	MO.5-45	1FM-45	Diode Load Cap.	R95	5.1 Meg.	½		BTS-5.1 Meg.	Grn.-Br.-Grn.	Voltage Divider	± 5%
C44	50	500	A-8F-456	1468-00005	5W5Q5	MO.5-45	1FM-55	" " "	R96	390KΩ	½	C-9B-315-93	BTS-390K	Or.-Wh.-Yl.	Vertical Output Grid	±10%
C45	500	500	A-8F-629	1468-0005	5W5T5	MO.5-35	1FM-35	AF Plate Bypass	R97	820KΩ	½	C-9B-315-97	BTS-820K	Gray-Red-Yl.	Vertical Output Plate	±10%
C46	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Sync. Coupling "	R98	3.9 Meg.	½	C-9B-315-105	BTS-3.9 Meg.	Or.-Wh.-Grn.	Vertical Deflection Load	±10%
C47	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Hor. Sync. Coup. "	R99	3.9 Meg.	½	C-9B-315-105	BTS-3.9 Meg.	Or.-Wh.-Grn.	" " "	±10%
C48	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	" " " "	R100	2.2 Meg.	½	C-9B-315-102	BTS-2.2 Meg.	Red-Red-Grn.	Horizontal Deflection Load	±10%
C49	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	AFC Coupling	R101	2.2 Meg.	½	C-9B-315-102	BTS-2.2 Meg.	Red-Red-Grn.	" " "	±10%
C50	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	Fixed Trimmer	R102	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	Picture Tube Cathode	±10%
C51	200	500	A-8F-1431	1468-0002	5W5T2	MO.5-32	1FM-32	Hor. MV Feedback	R103	33KΩ	½	C-9B-315-80	BTS-33K	Or.-Or.-Or.	Bleeder	±10%
C52	500	500	A-8F-629	1468-0005	5W5T5	MO.5-35	1FM-35	Hor. Discharge	R104	100KΩ	½	C-9B-315-25	BTS-100K	Br.-Blk.-Yl.	" - See Note 2	
C53	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Integrator Network "	R105	2.2 Meg.	½	C-9B-315-33	BTS-2.2 Meg.	Red-Red-Grn.	"	
C54	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	" " "	R106	2.2 Meg.	½	C-9B-315-33	BTS-2.2 Meg.	Red-Red-Grn.	"	
C55	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	RF Osc. Screen Byp. "	R107	2.2 Meg.	½	C-9B-315-33	BTS-2.2 Meg.	Red-Red-Grn.	"	
C56	5000		A-8G-1078	1467-005	1D5D5	MW.5-25	1FM-25	RF Osc. Grid	R108	2.2 Meg.	½	C-9B-315-33	BTS-2.2 Meg.	Red-Red-Grn.	"	
C57	700	500	A-8F-1213-25				1FM-37	Fixed Trimmer	R109	1 Meg.	½	C-9B-315-31	BTS-1 Meg.	Br.-Blk.-Grn.	"	
C58	500	10000	A-8F-629					H.V. Filter	R110	4.7 Meg.	1	C-9B-316-98	BTA-4.7 Meg.	Yl.-Vi.-Grn.	"	±10%
C59	500	10000	A-8F-629					" "	R111	4.7 Meg.	1	C-9B-316-98	BTA-4.7 Meg.	Yl.-Vi.-Grn.	"	±10%
C60	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	Fil. Bypass "	R112	4.7 Meg.	1	C-9B-316-98	BTA-4.7 Meg.	Yl.-Vi.-Grn.	"	±10%
C61	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	" " "	R113	100Ω	2	C-9B-317-50		Br.-Blk.-Br.	RF Oscillator Cathode	±10%
C62	1000		A-8G-1077	1467-001	1W5D1	MW.5-21	1FM-21	" " "	R114	47KΩ	½	C-9B-315-82	BTS-47KΩ	Yl.-Vi.-Or.	RF Oscillator Grid	±10%
C63	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TM-15	3rd V. IF Screen Byp."	R115	8200Ω	1	C-9B-316-73	BTA-8200	Gray-Red-Red	RF Oscillator Screen	±10%
C64	.25	400		484-.25	DT4P25	ST-4-25	TC-2	AGC Filter	R116	47Ω	1	C-9B-316-46	BW-1-47	Yl.-Vi.-Blk.	RF Oscillator Decoupling	±10%
C65	.1	400	A-8D-493	484-.1	DT4P1	ST-4-1	TC-1	Video Coupling	R117	100KΩ	½	C-9B-315-25	BTS-100K	Br.-Blk.-Yl.	H.V. Filter	
C66	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TM-15	" "	R118	1200Ω	½	C-9B-315-63	BTS-1200	Br.-Red-Red	B+++ Filter	±10%
C67	.1	400	A-8D-493	484-.1	DT4P1	ST-4-1	TC-1	" "	R119	470Ω	½	C-9B-315-11	BTS-470	Yl.-Vi.-Br.	Filament Shunt-See Note 3	
C68	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TC-15	Sync. Coupling	R120	100Ω	2	C-9B-317-50	BW-2-100	Br.-Blk.-Br.	Filament Dropping	
C69	.25	400		484-.25	DT4P25	ST-4-25	TC-2	Video Coupling	R121	82Ω	2		BW-2-82	Gray-Red-Blk.	" "	±10%
C70	.01	400	A-8D-639	484-01	DT4S1	ST-4-01	TM-11	Audio Coupling	R122	2.2Ω	1	C-9B-316-308	BW-1-2.2	Red-Red-Gold	" "	±10%
C71	.002	400		684-002	DT6D2	ST-6-002	TM-22	De-emphasis	R123	2.2Ω	1	C-9B-316-308	BW-1-2.2	Red-Red-Gold	" "	±10%
C72	.1	400	A-8D-493	484-.1	DT4P1	ST-4-1	TC-1	Audio Coupling	R124	2200Ω	1	C-9B-316-66	BTS-2.2K	Red-Red-Red	Filter	±10%
C73	.002	600	A-8D-1157	684-002	DT6D2	ST-6-002	TM-22	2nd AF Plate Bypass	R125	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	Ext. Ground Isolation	
C74	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TM-15	Audio Coupling	R126	380Ω	10	A-9C-1441			Wire Wound Filament Dropping	
C75	.01	400	A-8D-639	484-01	DT4S1	ST-4-01	TM-11	Output Plate Bypass	R127	380Ω	10	A-9C-1441			Wire Wound Filter	
C76	.01	600	A-8D-1074	684-01	DT6S1	ST-6-01	TM-11	Hor. AFC Coupling	R128A	3200Ω	16	A-9C-1459	DHA-3500*		" " "	
C77	.2			484-.2	DT4P2	ST-4-2	TC-2	AFC Filter	B	3200Ω	16		DHA-3500*		" " "	
C78	.01	600	A-8D-1074	684-01	DT6S1	ST-6-01	TM-11	Hor. Coupling	R129	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	1st AF Decoupling	
C79	.1	600	A-8D-669	684-.1	DT6P1	ST-6-1	TC-1	RF Bypass	R130	220KΩ	½	C-9B-315-90	BTS-220K	Red-Red-Yl.	AFC Coupling	
C80	.005	6000	B-8B-1429					Hor. Coupling	R131	8.2 Meg.	½		BTS-8.2 Meg.	Gray-Red-Grn.	Vertical Feedback	
C81	.005	6000	B-8B-1429					" "								
C82	.01	600	A-8D-1074	684-01	DT6S1	ST-6-01	TM-11	Ver. M.V. Feedback								
C83	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TM-15	Ver. Coupling								
C84	.05	400	A-8D-492	484-05	DT4S5	ST-4-05	TM-15	Ver. Discharge								
C85	.1	600	A-8D-669	684-.1	DT6P1	ST-6-1	TC-1	Ver. Coupling								
C86	.05	6000	B-8B-1430					" "								
C87	.05	6000	B-8B-1430					" "								
C88	.005	6000	B-8B-1429					ACC. Anode Bypass								
C89	.0055	1800	A-8B-1019					RF Filter								
C90	.1	600	A-8D-669	684-.1	DT6P1	ST-6-1	TC-1	RF Osc. Decoup.								
C91	.1	600	A-8D-669	684-.1	DT6P1	ST-6-1	TC-1	Audio Plate Decoup.								

Note 1-Some models use 2 - 47KΩ 1 Watt resistors in parallel in this application.
Note 2-Some models use 2 - 220KΩ resistors in parallel in this application.
Note 3-Not used on all models. * - Set slider at 3200Ω.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	RESISTANCE	WATTS	SILVERTONE PART No.	CLAROSTAT PART No.	IRC PART No.		
R1A	2 Meg.	½	B-10A-1040	M-66-Z	D13-139		Volume Control
B	Shaft				A		Attach to R1A per instructions
C	Switch			SW-A	41		" " " "
R2A	100KΩ	½	B-10B-1168-6	M-49-S	D11-128		Brightness Control
B	Shaft				A		Attach to R2A per instructions
R3A	3 Meg.	½	B-10B-1168-2				Focus Control
B	Shaft						
R4A	5000Ω	½	B-10B-1168-5				Contrast Control-Dual
B	5000Ω	½					
C	Shaft						
R5A	2 Meg.	½	A-11B-786	M-83-S			Horizontal Size Control
B	Shaft						
R6A	100KΩ	½	B-10B-1168-6	M-49-S	D11-128		Horizontal Hold Control
B	Shaft				A		Attach to R6A per instructions
R7A	100KΩ	½	B-10B-1168-6	M-49-S	D11-128		Vertical Size Control
B	Shaft				A		Attach to R7A per instructions
R8A	500KΩ	½	B-10B-1168-4	M-58-S	D11-133		Vertical Hold Control
B	Shaft				A		Attach to R8A per instructions
R9A	3 Meg.	½	B-10B-1168-2				Horizontal Centering Control
B	Shaft						
R10A	3 Meg.	½	B-10B-1168-2				Vertical Centering Control
B	Shaft						

TRANSFORMER (FILAMENT)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	SILVERTONE PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.
T1	.58 Amp. @ 117VAC	.61 Amp. @ 6.2VAC	7.9 Amp. @ 6.1VAC					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		SILVERTONE PART No.	STANCOR PART No.	THORDAR'N PART No.	MERIT PART No.	
	PRI.	SEC.	PRI.	SEC.					
T2	7000Ω	3.4Ω	440Ω	.6Ω	B-12C-1122	A-3878	T22S47	A-2931	

TRANSFORMER (H.V. OSC.)

ITEM No.	DC RES.				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	SILVERTONE PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.
T3	5.8Ω	8.1Ω	420Ω	0Ω	B-13D-1422			
				SEC. 4 100Ω				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D.C. RESISTANCE.	INDUCTANCE (0 CURRENT 1000 ∿)	SILVERTONE PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.	
L1	82MA	60Ω	3.5 Henries	A-12D-1028	C-2304*			

*Drill one new mounting hole.

PARTS LIST AND DESCRIPTION CONTINUED ON PAGE 8.

PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	DC RES. PRI.	DC RES. SEC.	REPLACEMENT DATA SILVERTONE PART No.	REPLACEMENT DATA MEISSNER PART No.	NOTES
L2	Ant. Trans.		0Ω	A-13E-1062		
L3	RF Coil		0Ω	C-13C-1175		11 Inductors-Part of Channel Switch
L4	Osc. Coil		0Ω	C-13C-1175		" " " " " "
L5	RF Choke		0Ω	A-16A-1053		
L6	" "		0Ω	A-16A-1173		Osc. Plate
L7	1st Video IF		0Ω	A-13A-1139-1		
L8	2nd " "		0Ω	A-13A-1139-1		
L9	3rd Video IF & Sound Take-Off	0Ω	0Ω	B-13H-1369		
L10	4th Video IF		0Ω	A-13A-1139-1		
L11	Sound Trap		0Ω			
L12	Shunt Peaking		10Ω	A-13G-1143		
L13	Series Peaking					Wound on 18KΩ 1 Watt resistor
L14	"		12Ω	A-13F-1142		
			10Ω	A-13G-1143		
L15	Series Peaking		12Ω	A-13F-1142		" " " " " "
L16	Shunt Peaking		10Ω	A-13G-1143		
L17	Ratio Det.	1.5Ω	0Ω	B-13K-1047		Tertiary approx. 1/2 Ω
L18	Horizontal Lock		125Ω	A-13D-1456		26 Millihenry
L19	Fil. Choke		0Ω	A-16A-1053		
L20	" "		0Ω	A-16A-1053		
L21	" "		0Ω	A-16A-1053		
L22	" "		0Ω	A-16A-1053		

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA SILVERTONE PART No.	REPLACEMENT DATA JENSEN PART No.	REPLACEMENT DATA QUAM PART No.	INSTALLATION NOTES
	FIELD	VC IMP.				
SP1	PM	3.4Ω	B-208-227	ST-105	5A15	
	CONE DIA.	VC DIA.				
SP2	4-3/4"	9/16"				

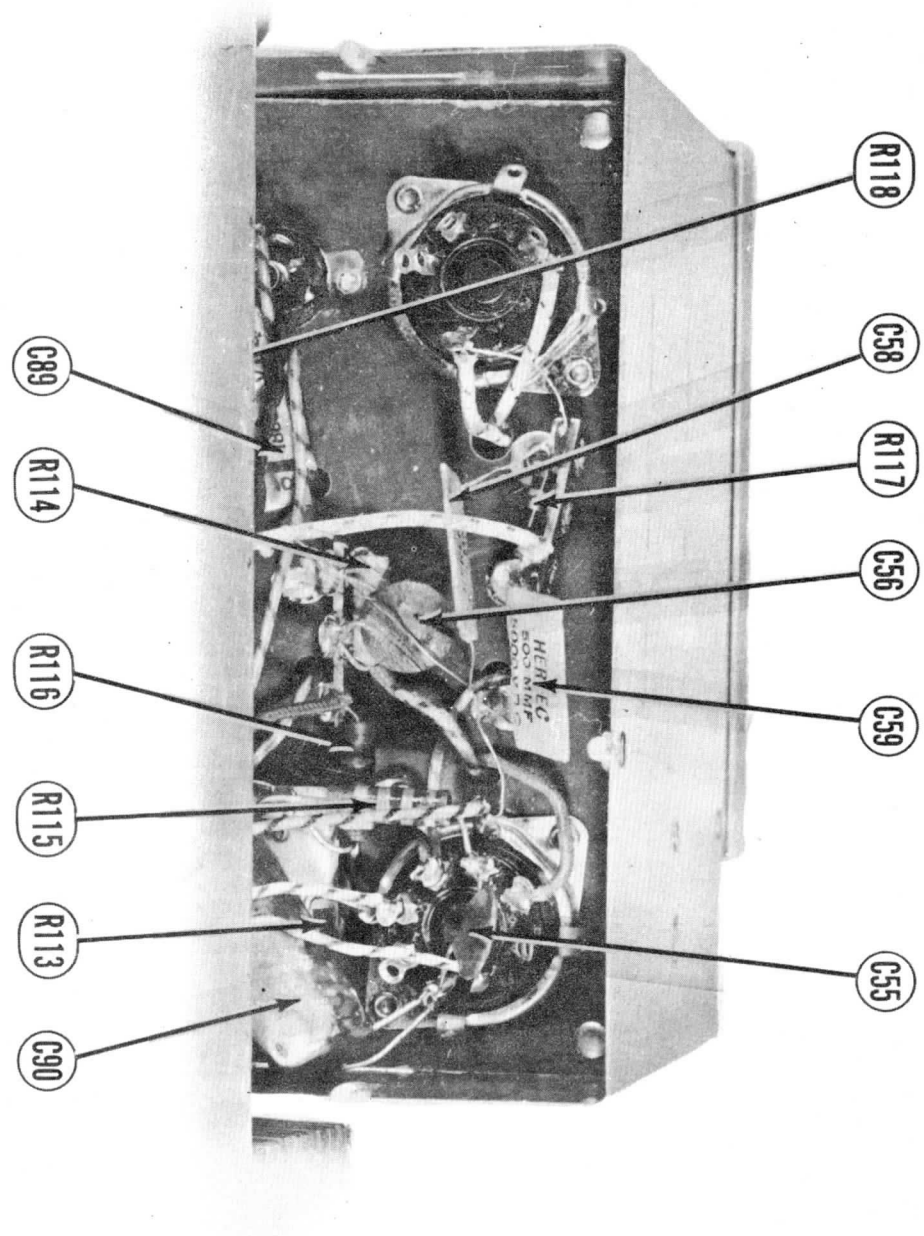
SELENIUM RECTIFIER

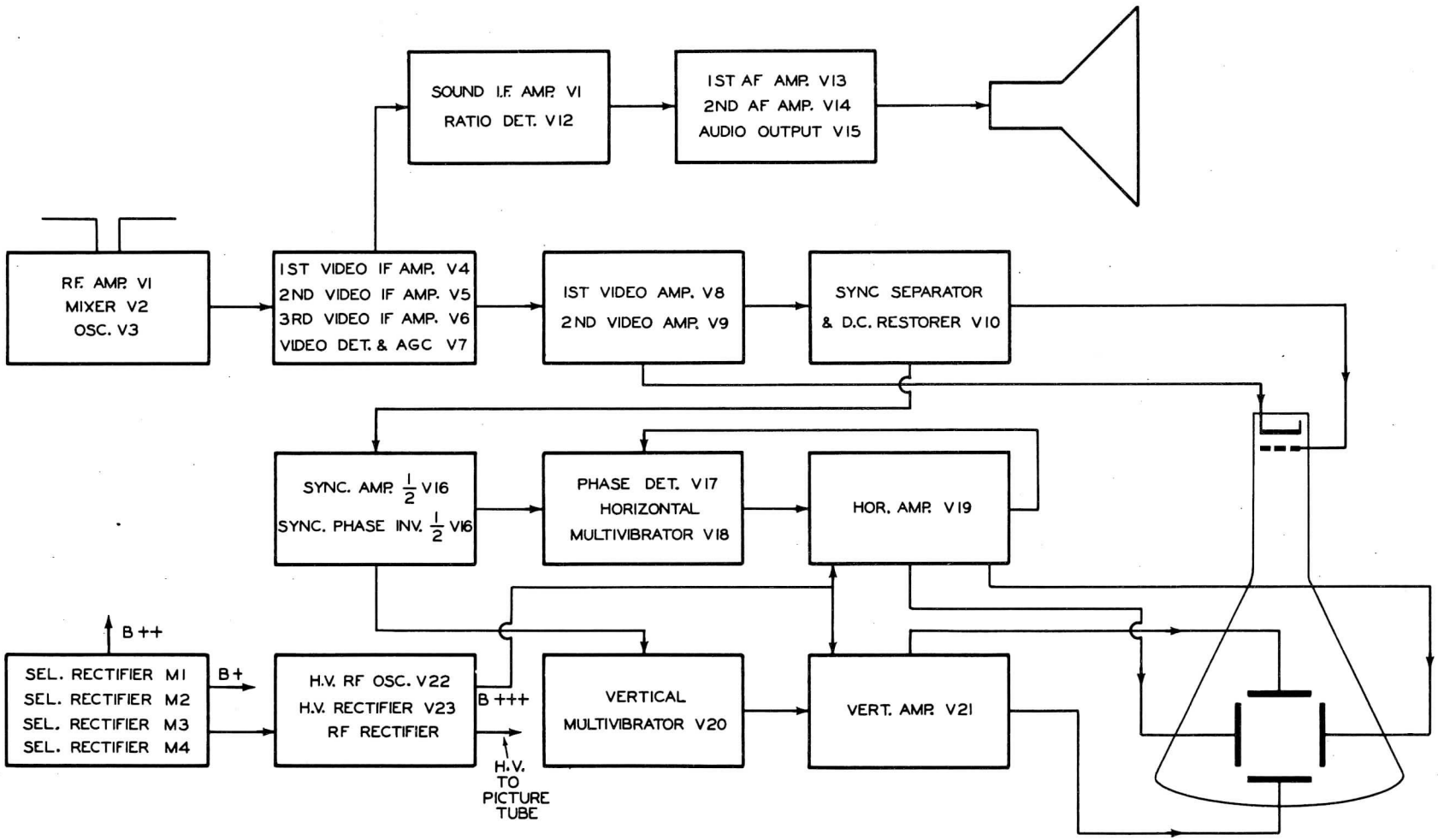
ITEM No.	RATING CURRENT	REPLACEMENT DATA SILVERTONE PART No.			NOTES
M1 } M2 }	200 MA.	A-8N-1154 A-8N-1457			
M3	112 MA.	A-8N-1154			
M4	115 MA.	A-8N-1457			

MISCELLANEOUS

ITEM No.	PART NAME	SILVERTONE PART No.	NOTES
M5	Fine Tuning Capacitor	A-8H-1073	
M6	AC Receptacle	A-19A-1418	
M7	Antenna Terminal	A-7B-720	2 Used
B1	Trimmer 1000MMF	A-8F-1416	High Voltage Adjustment
B3	Cer. Trimmer 5-20MMF.	A-8F-1454	Hor. Linearity Adjustment
	Stand-Off Insulator	A-5F-1434	Used On Focus, Hor. & Vert. Centering Controls
	Line Cord	A-14A-963	
	Cabinet	D-212-205	
	Knobs	A-5B-1452	
	Back Cover	C-5C-1423	
	Safety Glass	B-65A-1099	

RF OSC POWER SUPPLY BOTTOM VIEW





BLOCK DIAGRAM

SILVERTONE MODEL 8130
TELEVISION RECEIVER

VOLTAGE AND RESISTANCE MEASUREMENTS

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
V 1	6AG5	1.5 Meg.	0Ω	.1Ω	0Ω	5600Ω†	1200Ω#	0Ω	-	-
V 2	6AU6	1 Meg.	0Ω	0Ω	.1Ω	3900Ω†	60KΩ†	0Ω	-	-
V 3	6C4	20KΩ†	INF.	.2Ω	.1Ω	20KΩ†	15KΩ	2200Ω	-	-
V 4	6AG5	550KΩ	56Ω	.1Ω	0Ω	600Ω#	1300Ω#	56Ω	-	-
V 5	6AG5	550KΩ	56Ω	.1Ω	0Ω	1300Ω#	1300Ω#	56Ω	-	-
V 6	6AU6	15KΩ	0Ω	.1Ω	0Ω	11KΩ†	1300Ω#	82Ω	-	-
V 7	6AL5	8000Ω	55KΩ	1Ω	0Ω	.2Ω	550KΩ	.2Ω	-	-
V 8	6AU6	1 Meg.	0Ω	.1Ω	0Ω	8000Ω#	60Ω#	33Ω	-	-
V 9	6BA6	1 Meg.	0Ω	.1Ω	0Ω	5000Ω#	60Ω#	33Ω	-	-
V 10	6AU6	1 Meg.	15KΩ	.1Ω	0Ω	220KΩ#	60Ω#	15KΩ	-	-
V 11	6BA6	0Ω	0Ω	.1Ω	0Ω	1300Ω#	1300Ω#	56Ω	-	-
V 12	12H6	0Ω	13Ω	INF.	12KΩ	12KΩ	INF.	26Ω	INF.	-
V 13	12SQ7GT	0Ω	10 Meg.	0Ω	0Ω	0Ω	320KΩ†	13Ω	0Ω	-
V 14	6BA6	220KΩ	0Ω	.1Ω	0Ω	25KΩ†	25KΩ†	270Ω	-	-
V 15	12A6	0Ω	26Ω	3800Ω†	3400Ω†	500KΩ	3400Ω†	34Ω	470Ω	-
V 16	6SN7GT	90KΩ	2200Ω#	0Ω	1 Meg.	12KΩ#	12KΩ	.1Ω	0Ω	-
V 17	6AL5	10 Meg.	10 Meg.	0Ω	1Ω	5000Ω	0Ω	5000Ω	-	-
V 18	6SN7GT	5 Meg.	11KΩ†	1000Ω	220KΩ* 320KΩ*	500KΩ†* 2.5Meg.†*	1000Ω	.1Ω	0Ω	-
V 19	6SN7GT	5 Meg.	INF.	0Ω	5 Meg.	INF.	0Ω	0Ω	.1Ω	-
V 20	6SN7GT	45KΩ	60KΩ†	470Ω	500KΩ* 1 Meg.*	2 Meg.	470Ω	.1Ω	0Ω	-
V 21	6SN7GT	5 Meg.	INF.	22KΩ	390KΩ	INF.	22KΩ	0Ω	.1Ω	-
V 22	6V6GT	INF.	0Ω	400Ω†	8500Ω†	50KΩ	INF.	.1Ω	100Ω	-
V 23	1B3GT	INF.	INF.	INF.	INF.	INF.	INF.	INF.	INF.	800Ω†
V 24	6X4	540Ω†	INF.	INF.	INF.	INF.	INF.	INF.	-	-

	Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V 25	7JP4	0Ω	260KΩ	15KΩ	INF.	5 Meg.	INF.	20 Meg.	20 Meg.	20 Meg.	20 Meg.	20 Meg.	INF.	INF	.1Ω

*MINIMUM AND MAXIMUM READINGS ARE GIVEN WHERE READINGS MAY VARY DEPENDING ON SETTING OF REAR PANEL CONTROLS.
#MEASURED FROM POSITIVE TERMINAL OF C2.
†MEASURED FROM POSITIVE TERMINAL OF C4.

VOLTAGE READINGS

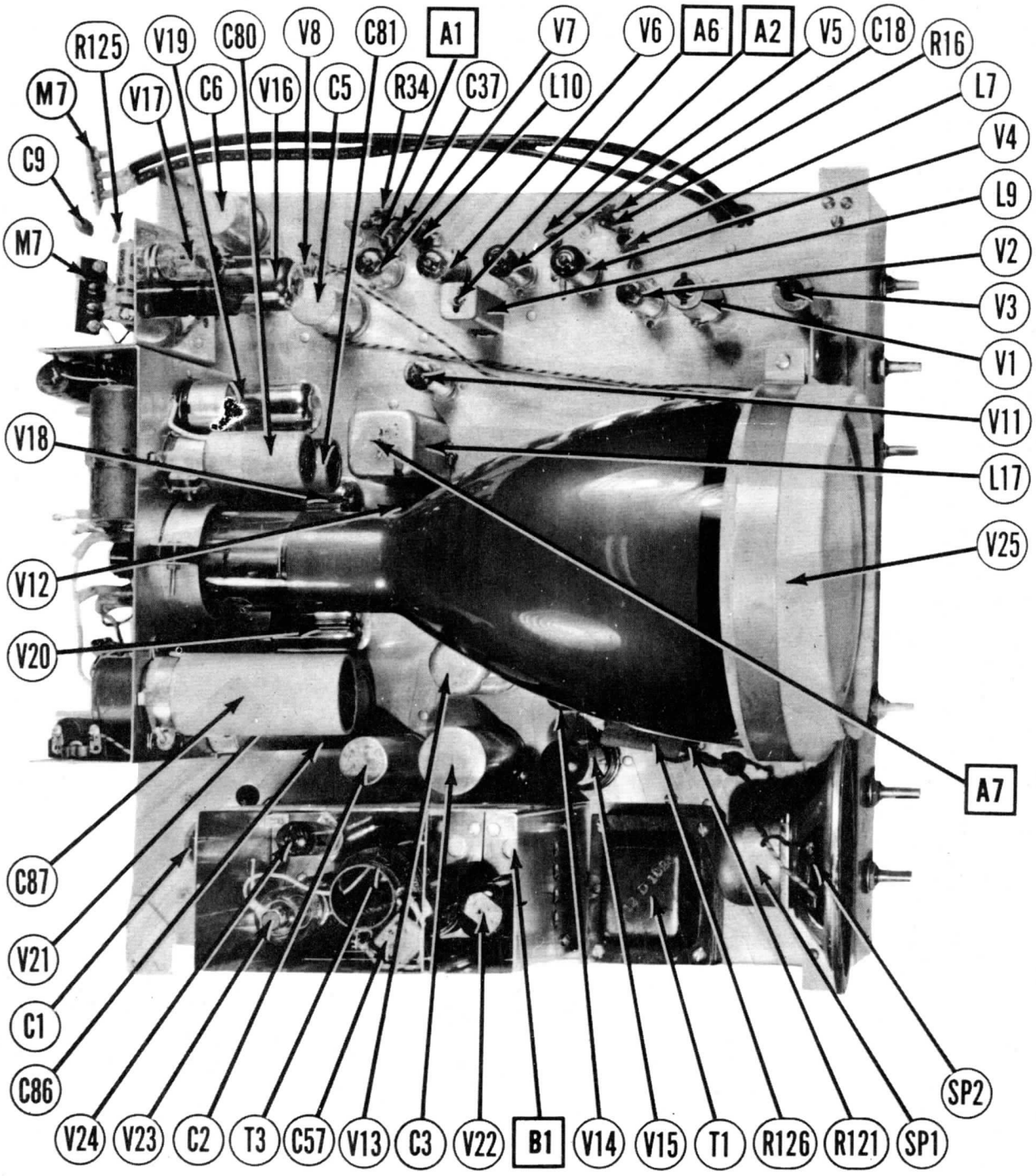
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
V 1	6AG5	-.6VDC	0V.	6VAC	0V.	215VDC	130VDC	0V.	-	-
V 2	6AU6	-1.8VDC	0V.	0V.	6VAC	225VDC	120VDC	0V.	-	-
V 3	6C4	110VDC	0V.	6VAC	0V.	110VDC	9VDC§	16VDC	-	-
V 4	6AG5	-.8VDC	.4VDC	6VAC	0V.	130VDC	130VDC	.4VDC	-	-
V 5	6AG5	-.4VDC	.4VDC	6.1VAC	0V.	130VDC	130VDC	.4VDC	-	-
V 6	6AU6	0V.	.8VDC	6.2VAC	0V.	175VDC	130VDC	0V.	-	-
V 7	6AL5	.2VDC	-.2VDC	5.2VAC	0V.	0V.	-.4VDC	0V.	-	-
V 8	6AU6	-.2VDC	0V.	6.3VAC	0V.	75VDC	130VDC	.3VDC	-	-
V 9	6BA6	-.1VDC	0V.	6.3VAC	0V.	40VDC	130VDC	.8VDC	-	-
V 10	6AU6	0V.	5VDC	6.3VAC	0V.	85VDC	130VDC	5VDC	-	-
V 11	6BA6	0V.	0V.	6.3VAC	0V.	115VDC	125VDC	1.2VDC	-	-
V 12	12H6	0V.	11VAC	.1VDC	.3VDC	-.3VDC	.1VDC	22VAC	.1VDC	-
V 13	12SQ7GT	0V.	-.5VDC	0V.	0V.	0V.	95VDC	11VAC	0V.	-
V 14	6BA6	0V.	0V.	6.3VAC	0V.	80VDC	80VDC	2VDC	-	-
V 15	12A6	0V.	22VAC	225VDC	235VDC	0V.	235VDC	33VAC	12VDC	-
V 16	6SN7GT	.1VDC	105VDC	0V.	4VDC	90VDC	95VDC	6.3VAC	0V.	-
V 17	6AL5	1.5VDC	-2.2VDC	0V.	5.2VAC	0V.	0V.	0V.	-	-
V 18	6SN7GT	0V.	175VDC	5VDC	4VDC	70VDC	5VDC	6.3VAC	0V.	-
V 19	6SN7GT	-9VDC	205VDC	0V.	-5.5VDC	320VDC	0V.	0V.	6.3VAC	-
V 20	6SN7GT	.3VDC	50VDC	1.4VDC	-10VDC	50VDC	1.4VDC	6.3VAC	0V.	-
V 21	6SN7GT	0V.	250VDC	19VDC	0V.	340VDC	119VDC	0V.	6.3VAC	-
V 22	6V6GT	0V.	0V.	340VDC	290VDC	-17VDC	0V.	6.3VAC	5VDC	-
V 23	1B3GT	##DO NOT MEASURE.								
V 24	6X4	##	0V.	6.3VAC††	6.3VAC††	0V.	0V.	640VDC	-	-

	Pins	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V 25	7JP4	0V.	60VDC	5VDC	0V.	DO NOT MEASURE.									6.3VAC

##DO NOT MEASURE.
††MEASURE 6.3V AC BETWEEN FILAMENT PINS.

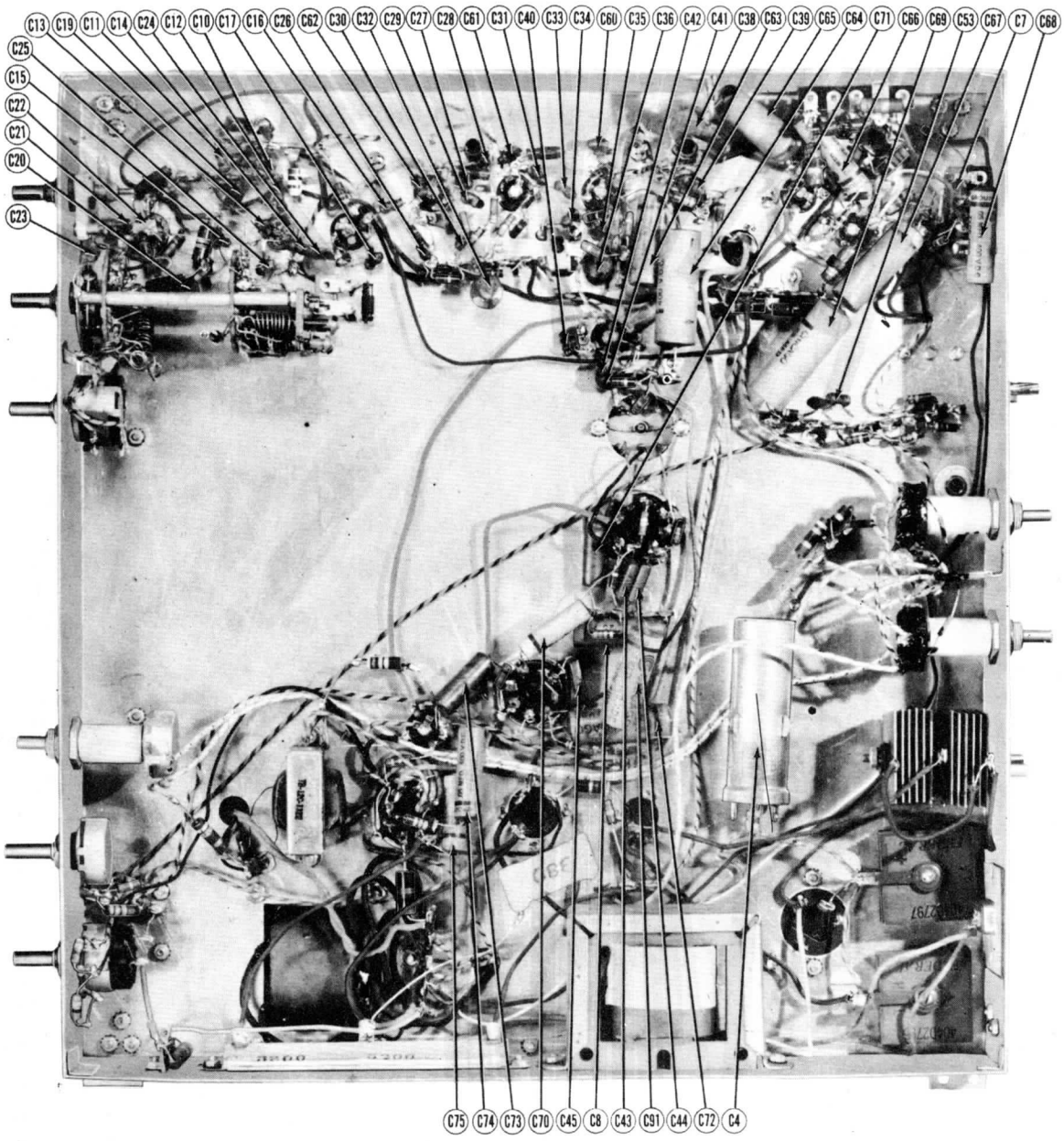
1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative unless otherwise stated.
4. Line voltage maintained at 117 volts for voltage readings.
5. Front panels controls set at maximum.
6. Where readings may vary according to the setting of the rear panel controls, both minimum and maximum readings are given.

SCANNING CIRCUIT CHASSIS



SILVERTONE MODEL 8130
TELEVISION RECEIVER

CHASSIS TOP VIEW



CHASSIS BOTTOM VIEW - CAPACITOR IDENTIFICATION

DISSASSEMBLY INSTRUCTIONS

1. Remove six knobs on rear of set.
2. Remove two screws on right hand side of back cover.
3. Remove back cover and interlock.
4. Remove four nuts and bolts holding antenna terminal strips.
5. Remove four screws holding chassis to cabinet.
6. Remove six knobs on front panel.
7. Slide chassis out of cabinet.

HIGH VOLTAGE OSC. ADJUSTMENT

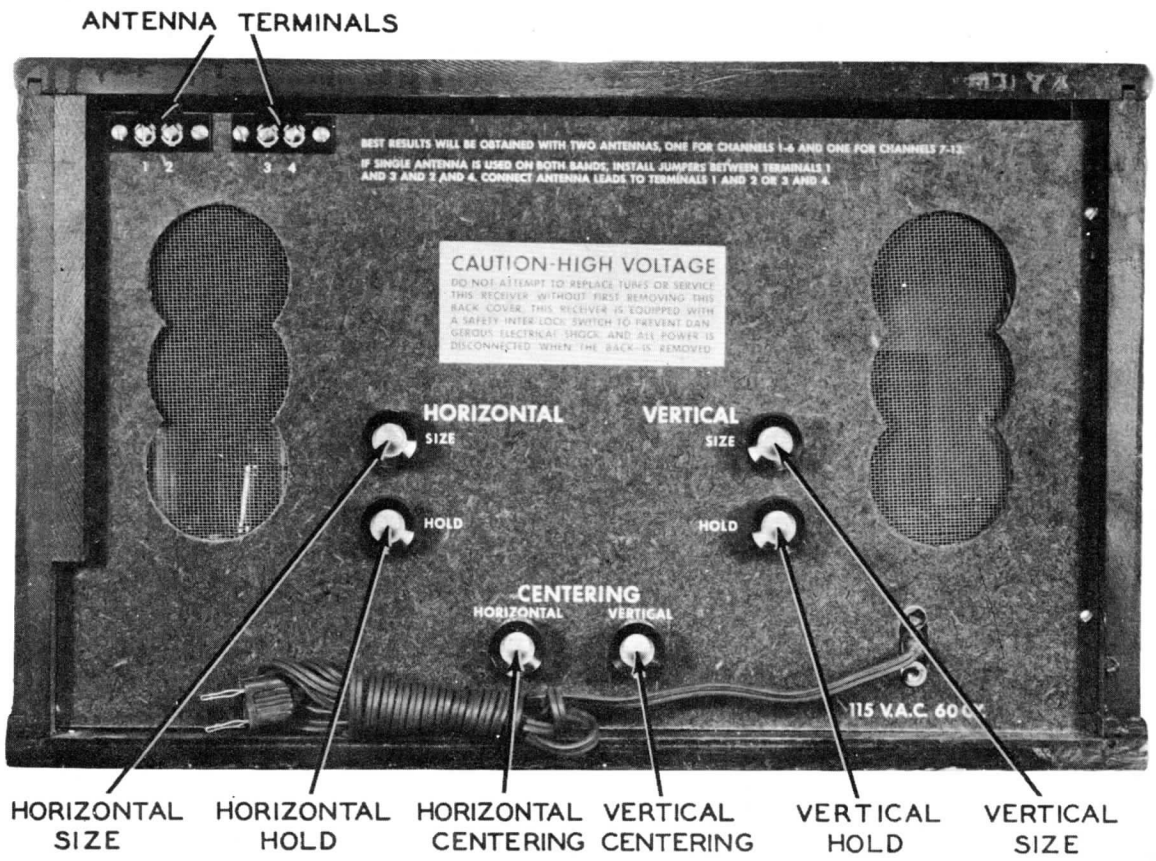
Using a vacuum tube voltmeter or other low drain meter, B1 should be adjusted for approximately 5000 volts. The setting should be on the high capacity side of resonance so that clockwise rotation of the capacitor causes the voltage to decrease.

HORIZONTAL LOCKING ADJUSTMENT

While receiving a picture or test pattern turn the contrast control down, or reduce the signal, until the picture falls out of synchronization. With the horizontal hold control at the center of its rotation, adjust B2 for horizontal synchronization.

HORIZONTAL LINEARITY ADJUSTMENT

B3 should be adjusted for best horizontal linearity on test pattern or cross hatch signal.



REAR PANEL CONTROLS