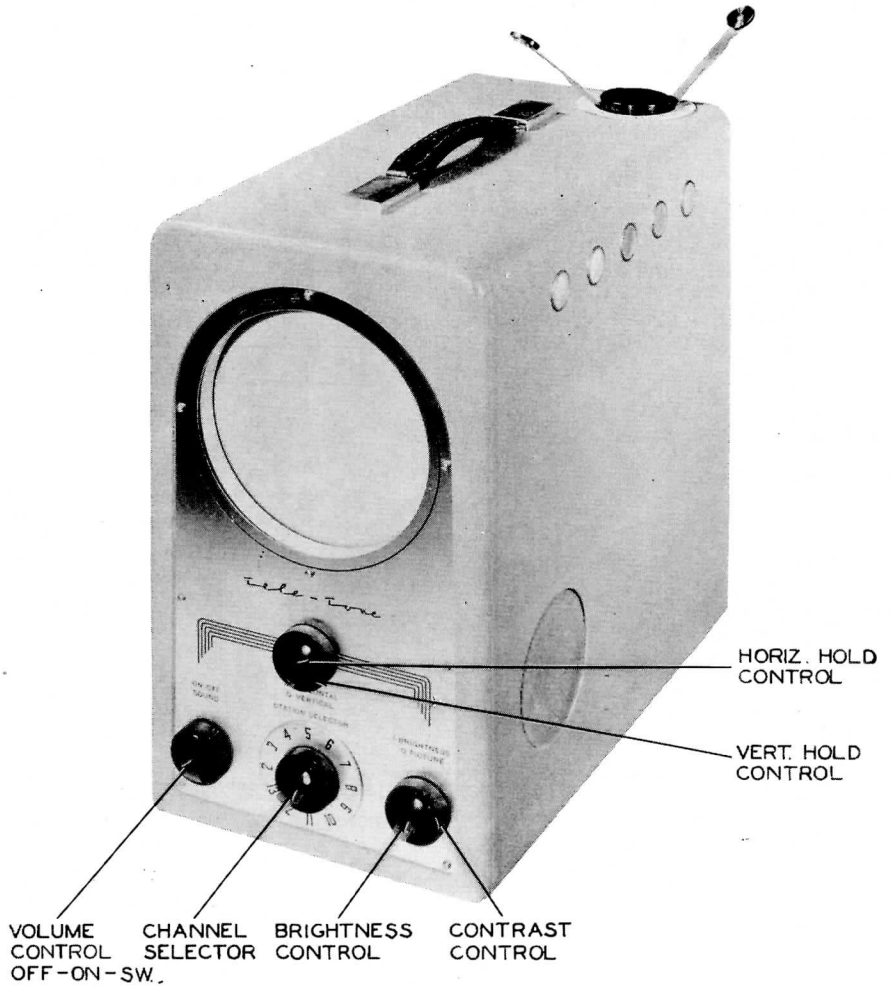
PHOTOFACT* Folder
*TRADE MARK

TELE-TONE MODEL TV-208

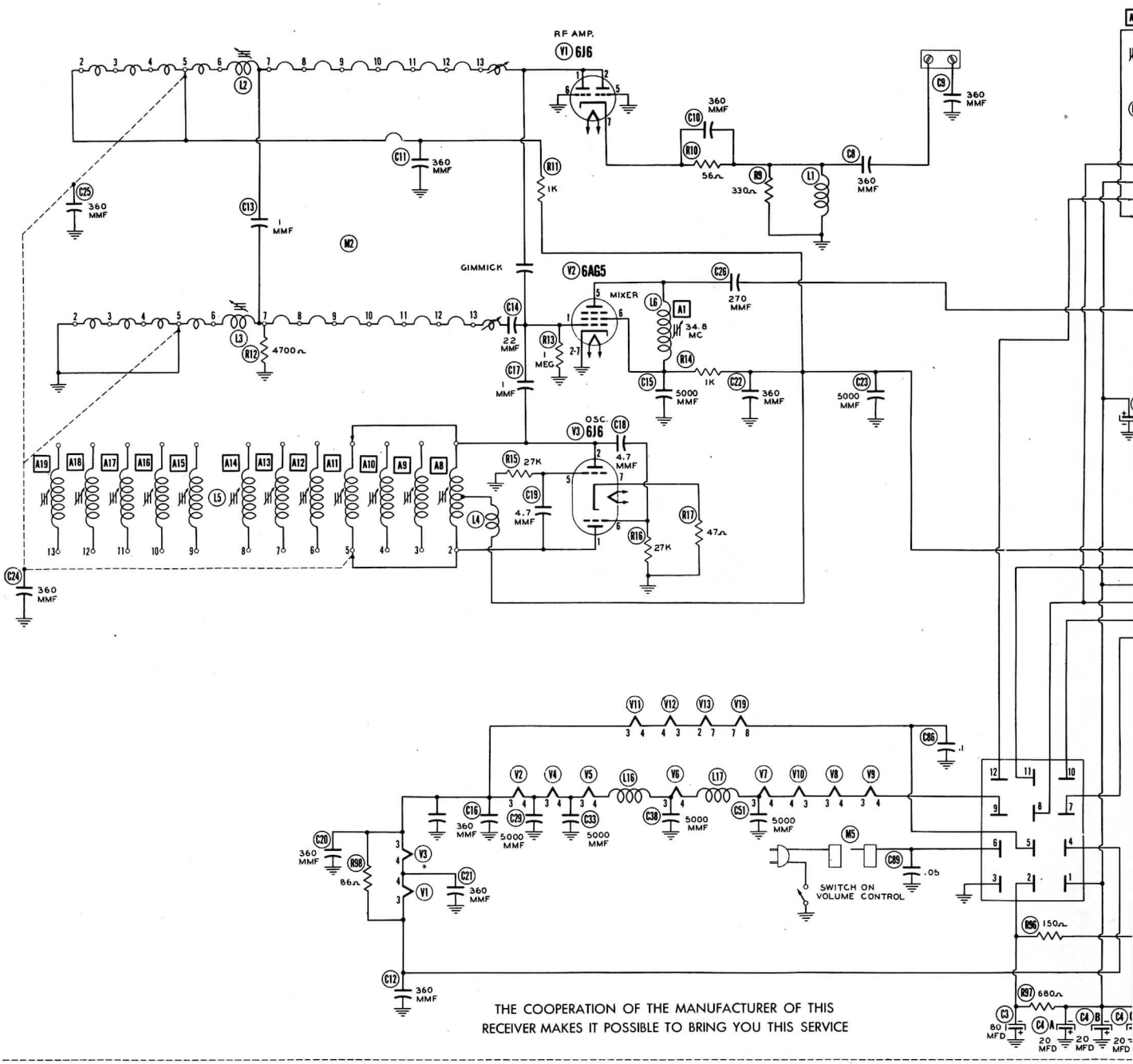


TELE-TONE MODEL TV-208

TRADE NAME	Tele-Tone Model TV-208
MANUFACTURER	Tele-Tone Radio Co., 540 W. 58th St., New York 19, N. Y.
TYPE SET	Television Receiver
TUBES	Twenty Two
POWER SUPPLY	110 - 120 Volts AC - 60 Cycle
RATING	.95 Amp. @ 117 Volts AC
TUNING RANGE	Channels 2 thru 13

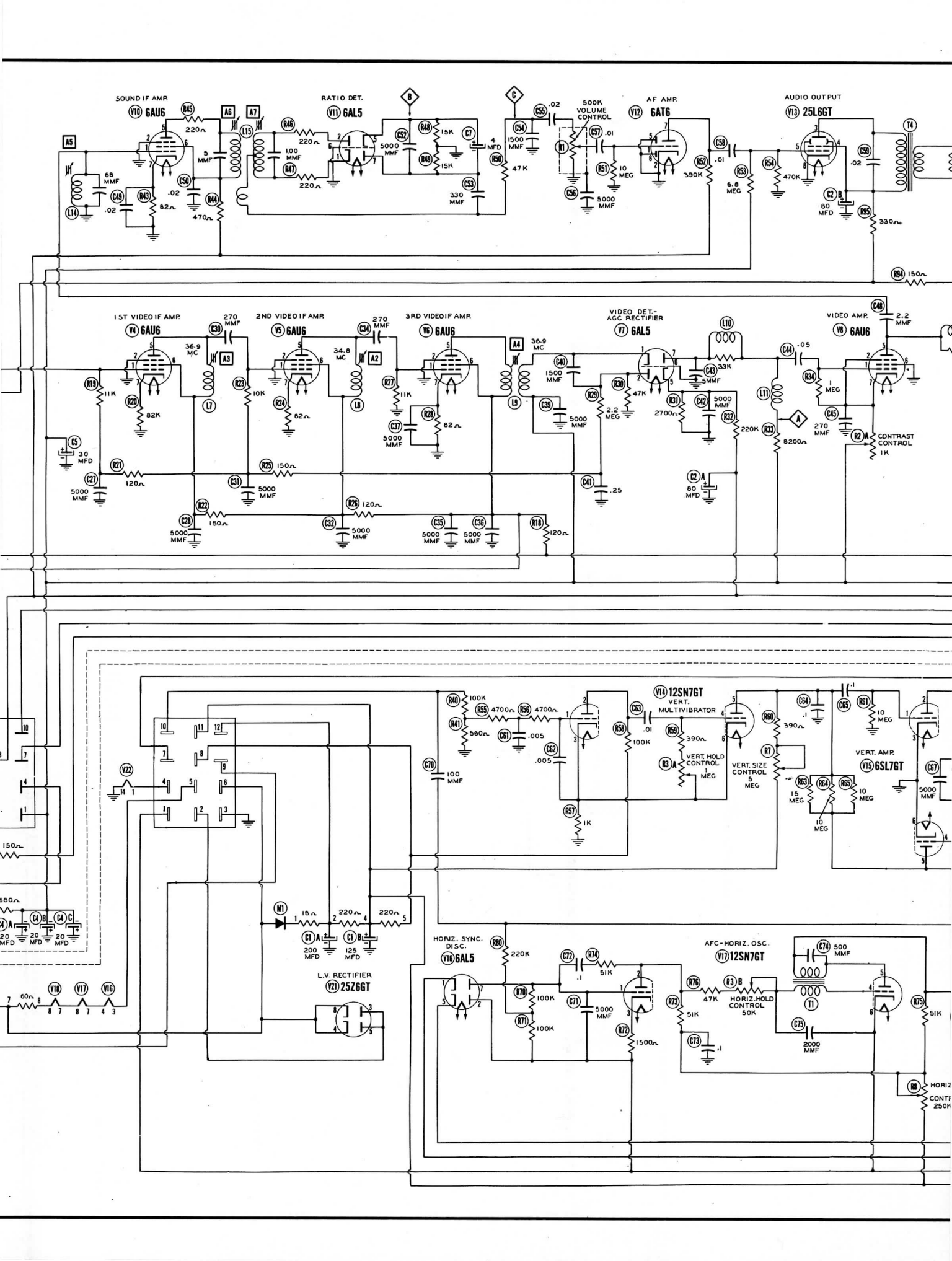
INDEX

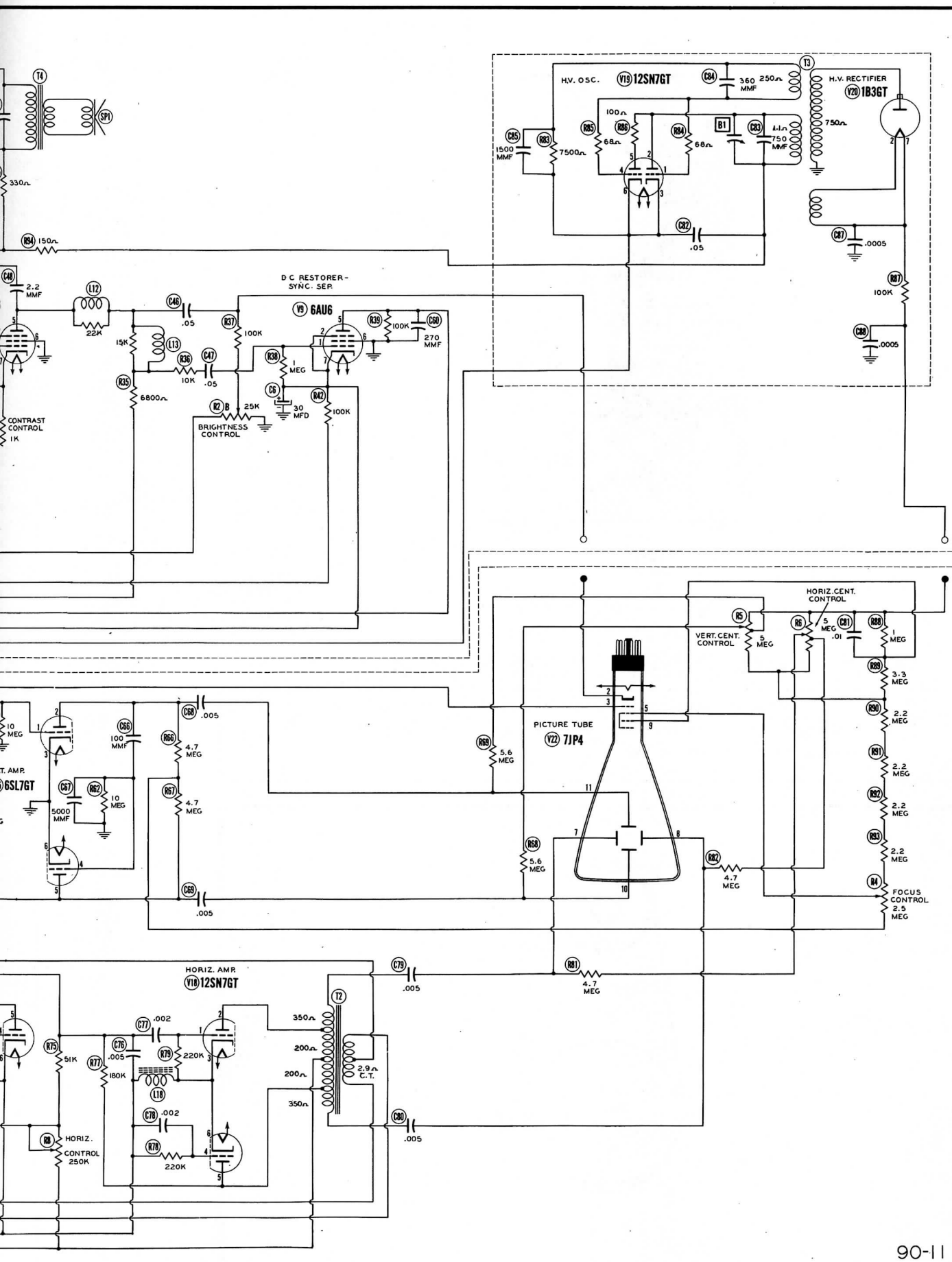
HOWARD W. SAMS & CO., INC. • Indianapolis 1, Indiana

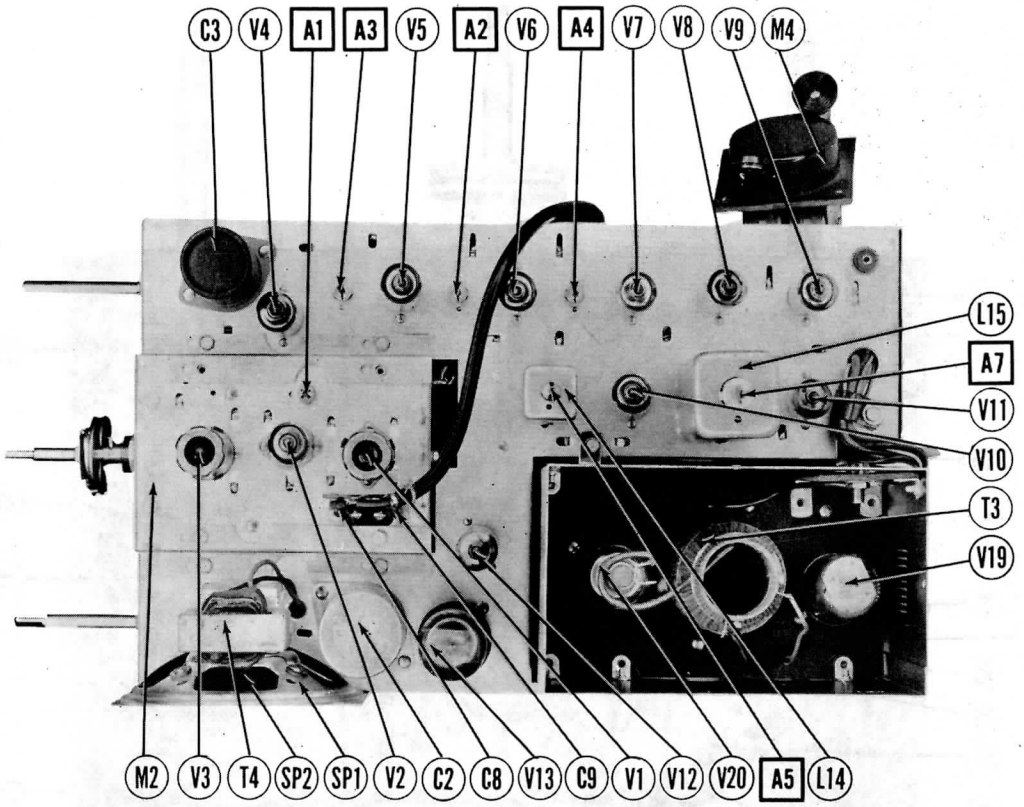


THE COOPERATION OF THE MANUFACTURER OF THIS
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

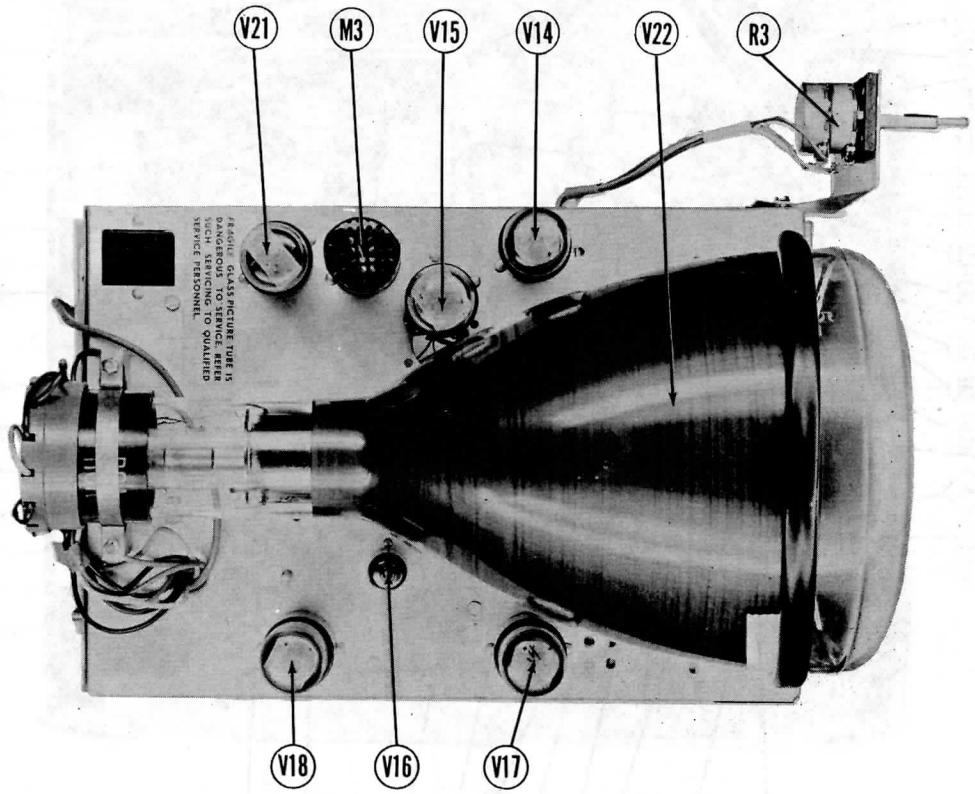
A PHOTOFACT STANDARD NOTATION SCHEMATIC


SOUND IF AMP.
V10 6AU6
RATIO DET.
V11 6AL5
500K VOLUME CONTROL
AF AMP.
V12 6AT6
AUDIO OUTPUT
V13 25L6GT
1ST VIDEO IF AMP.
V4 6AU6
2ND VIDEO IF AMP.
V5 6AU6
3RD VIDEO IF AMP.
V6 6AU6
VIDEO DET.- AGC RECTIFIER
V7 6AL5
VIDEO AMP.
V8 6AU6
CONTRAST CONTROL
V14 12SN7GT
VERT. MULTIVIBRATOR
VERT. HOLD CONTROL
VERT. SIZE CONTROL
VERT. AMP.
V15 6SL7GT
HORIZ. SYNC. DISC.
V16 6AL5
AFC-HORIZ. OSC.
V17 12SN7GT
HORIZ. HOLD CONTROL
L.V. RECTIFIER
V21 25Z6GT

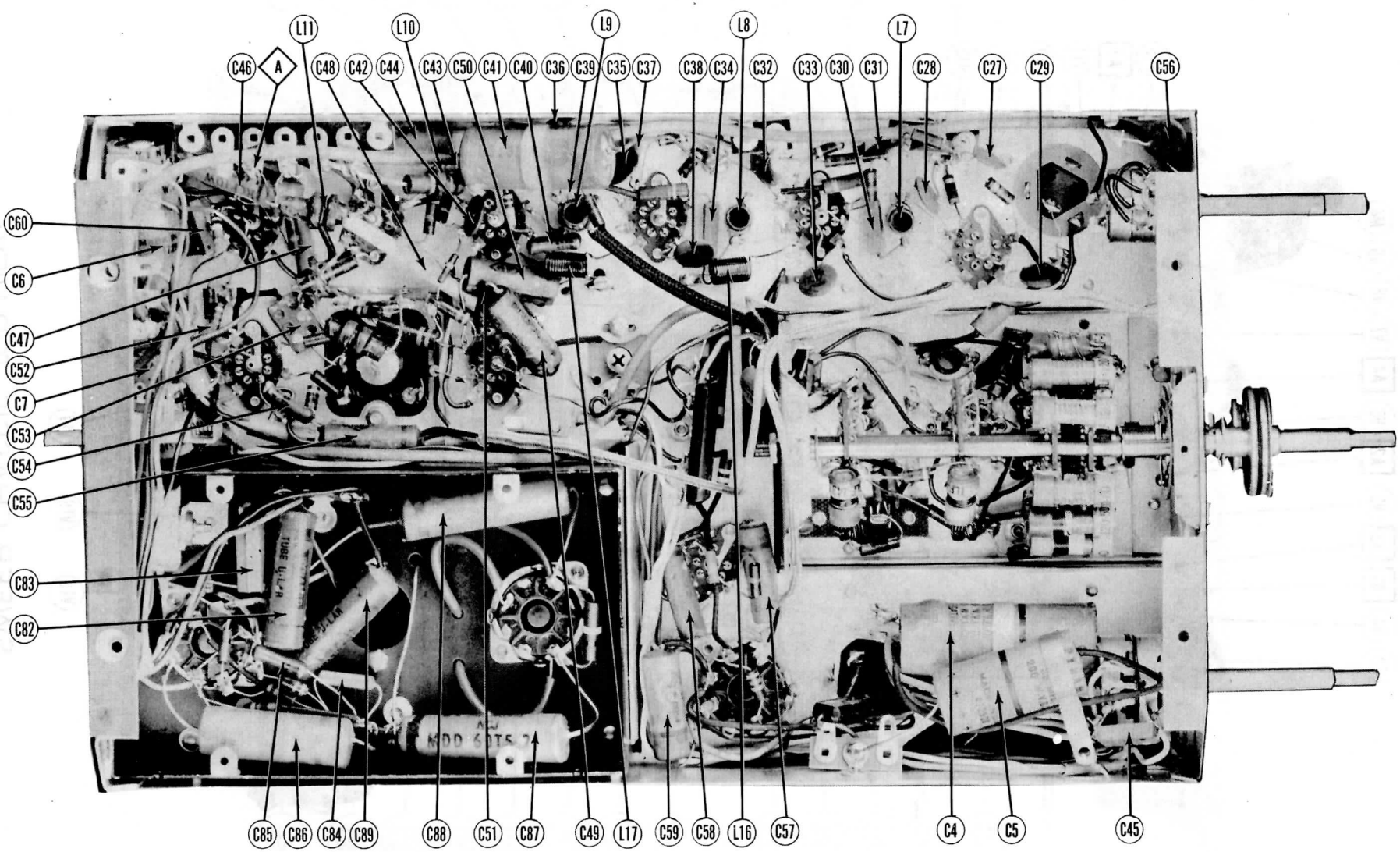

T4
SP1
330Ω
R54 150Ω
C48 2.2 MMF
L12
22K
C46 .05
R37 100K
15K
L13
R36 10K
C47 .05
R35 6800Ω
CONTRAST CONTROL 1K
D C RESTORER - SYNC. SEP.
V9 6AU6
R39 100K
C60 270 MMF
R38 1 MEG
C6 30 MFD
R42 100K
R2 B 25K
BRIGHTNESS CONTROL
H.V. OSC.
V19 12SN7GT
C84 360 MMF 250Ω
T3
H.V. RECTIFIER
V20 1B3GT
100Ω
R85
R86 68Ω
R84 68Ω
B1
C83 .1 750 MMF
750Ω
C85 1500 MMF
R83 7500Ω
C82 .05
C87 .0005
R87 100K
C88 .0005
HORIZ. CENT. CONTROL
R5
VERT. CENT. CONTROL 5 MEG
R6 5 MEG
C81 .01
R88 1 MEG
R89 3.3 MEG
R90 2.2 MEG
R91 2.2 MEG
R92 2.2 MEG
R93 2.2 MEG
R4 FOCUS CONTROL 2.5 MEG
PICTURE TUBE
V22 7JP4
R69 5.6 MEG
R68 5.6 MEG
R82 4.7 MEG
R81 4.7 MEG
C79 .005
C80 .005
T. AMP.
6SL7GT
10 MEG
C66 100 MMF
R66 4.7 MEG
C68 .005
C67 5000 MMF
R62 10 MEG
R67 4.7 MEG
C69 .005
HORIZ. AMP.
V18 12SN7GT
C77 .002
C76 .005
R77 180K
R79 220K
L18
C78 .002
R78 220K
R75 51K
R8 HORIZ. CONTROL 250K
T2
350Ω
200Ω
200Ω
350Ω
2.9Ω C.T.



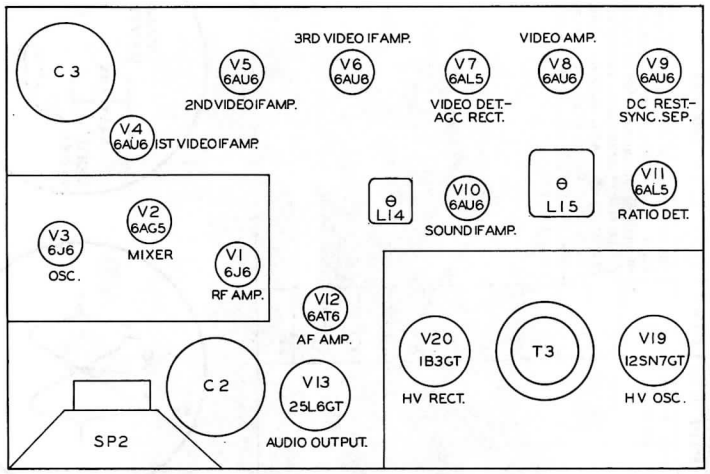
RF-IF CHASSIS-TOP VIEW



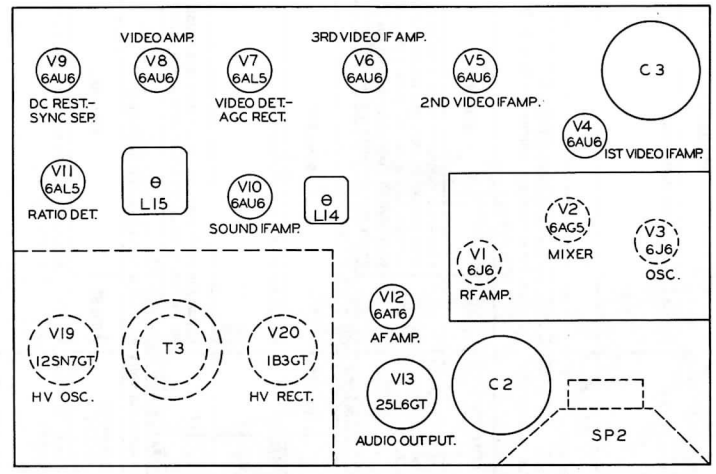
SWEEP CHASSIS-TOP VIEW



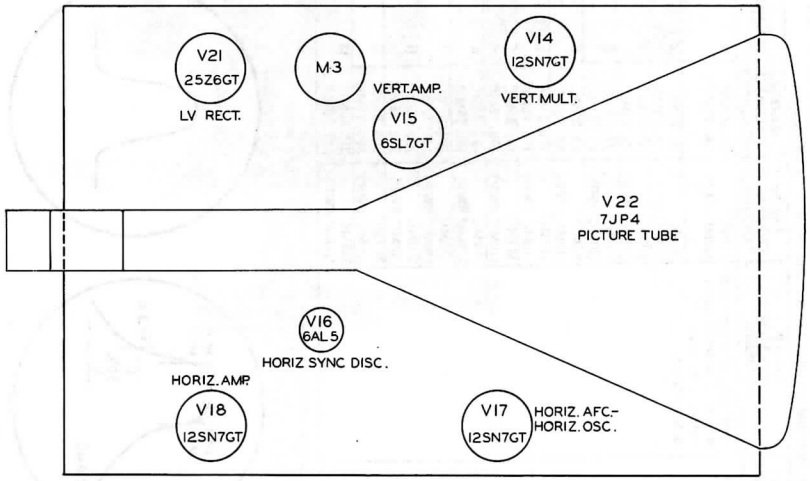
RF-IF CHASSIS-BOTTOM VIEW-CAPACITOR IDENTIFICATION

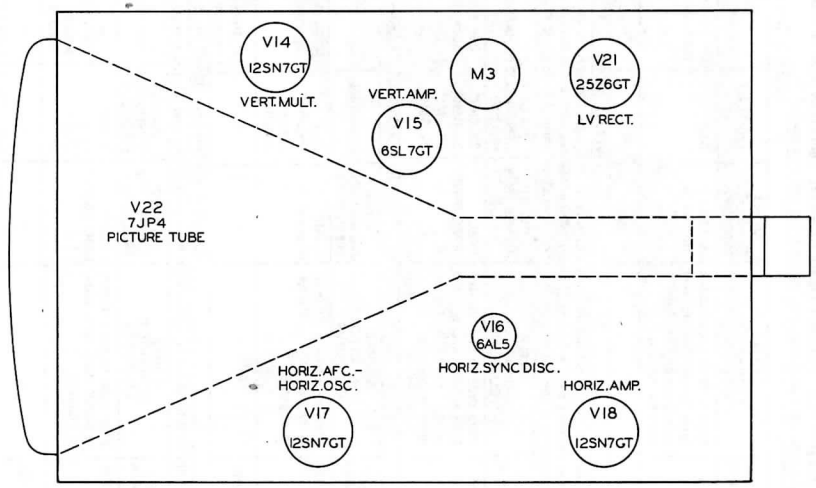


TOP VIEW



BOTTOM VIEW





TUBE PLACEMENT CHART

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

If the picture tube is removed during alignment, short pins 1 and 14 of the picture tube socket to complete the filament circuit. Use an isolation transformer to protect the test equipment.

VIDEO IF ALIGNMENT

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1.	Direct	High side to ungrounded tube shield floating over mixer tube (V2). Low side to chassis.	34.8MC (Unmod.)	Any	DC Probe and common leads across R33.	A1, A2	Adjust for maximum deflection.
2.	Direct	"	36.9MC	"	"	A3, A4	"

OVERALL VIDEO IF RESPONSE CHECK

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection. Set the channel switch to any channel where interference from the local oscillator is minimum. To check for erroneous indications turn the fine tuning control; if the pattern on the scope changes, switch to another channel.

	DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
3.	Direct	High side to ungrounded tube shield floating over mixer tube (V2). Low side to chassis.	35MC (10MC SWP)	32.6MC 34.8MC 36.9MC 37.3MC	See note above	Vert. Amp. to Point (A) Low side to chassis.		Check for response curve similar to Fig 1 with proper marker placement. If necessary retouch A1 and A2 to correct the low frequency end, and A3 and A4 to correct the high frequency end of the response curve.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4.	.01MFD	High side to pin 1 (Grid) of 6AU6 (V8). Low side to chassis.	4.5MC (Unmod.)	Any channel unused locally.	DC Probe to Point (B) Common to chassis.	A5, A6	Adjust for maximum deflection.
5.	.01MFD	"	"	"	DC Probe to Point C. Common to chassis.	A7	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60 ~ modulation and 450KC sweep. Use 120 ~ sawtooth voltage in scope for horizontal deflection.

	DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
4.	.01MFD	High side to pin 1 (Grid) of 6AU6 (V8). Low side to chassis.	4.5MC (1MC SWP)	4.5MC	Any channel unused locally.	Vert. Amp. to Point (B) Low side to chassis.	A5, A6	Adjust for maximum amplitude and symmetry as per Fig 2.
5.	.01MFD	"	"	"	"	Vert. Amp. to Point (C) Low side to chassis.	A7	Adjust A7 so 4.5MC occurs at center of crossover lines as per Fig 3. SLIGHTLY retouch A6 for maximum amplitude and straightness of crossover lines.

OSCILLATOR ALIGNMENT

The RF and mixer circuits in this tuner are pre-set at the factory and are very stable and normally should not require adjustment in the field. Set the fine tuning control to the mid-position of its range.

	DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
6.	Direct	High side to center conductor of antenna input cable. Low side to outer shield.	57MC (10MC SWP)	55.25MC 59.75MC	2	Vert. Amp. to Point (A) Low side to chassis.	A8	Adjust to place sound marker as shown in Fig 4. The video marker should fall between 45 and 60% on opposite side of response curve. If the video marker does not fall within the proper range on ALL channels, switch to channel 6 and make slight adjustments of video IF coils A1, A2, A3 and A4 to obtain proper results.
			63MC (10MC SWP)	61.25MC 65.75MC	3		A9	
			69MC (10MC SWP)	67.25MC 71.75MC	4		A10	
			79MC (10MC SWP)	77.25MC 81.75MC	5		A11	
			85MC (10MC SWP)	83.25MC 87.75MC	6		A12	
			177MC (10MC SWP)	175.25MC 179.75MC	7		A13	
			183MC (10MC SWP)	181.25MC 185.75MC	8		A14	
			189MC (10MC SWP)	187.25MC 191.75MC	9		A15	
			195MC (10MC SWP)	193.25MC 197.75MC	10		A16	
			201MC (10MC SWP)	199.25MC 203.75MC	11		A17	
			207MC (10MC SWP)	205.25MC 209.75MC	12		A18	
			213MC (10MC SWP)	211.25MC 215.75MC	13		A19	

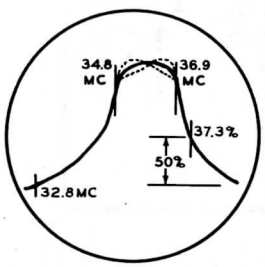


FIG. 1

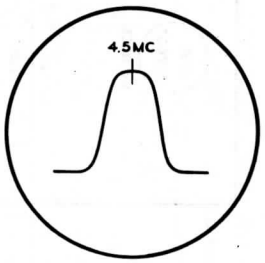


FIG. 2

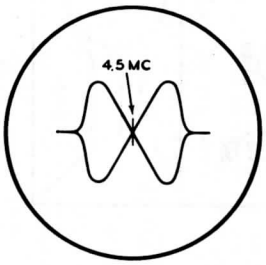


FIG. 3

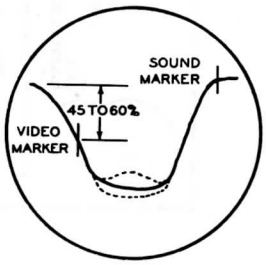
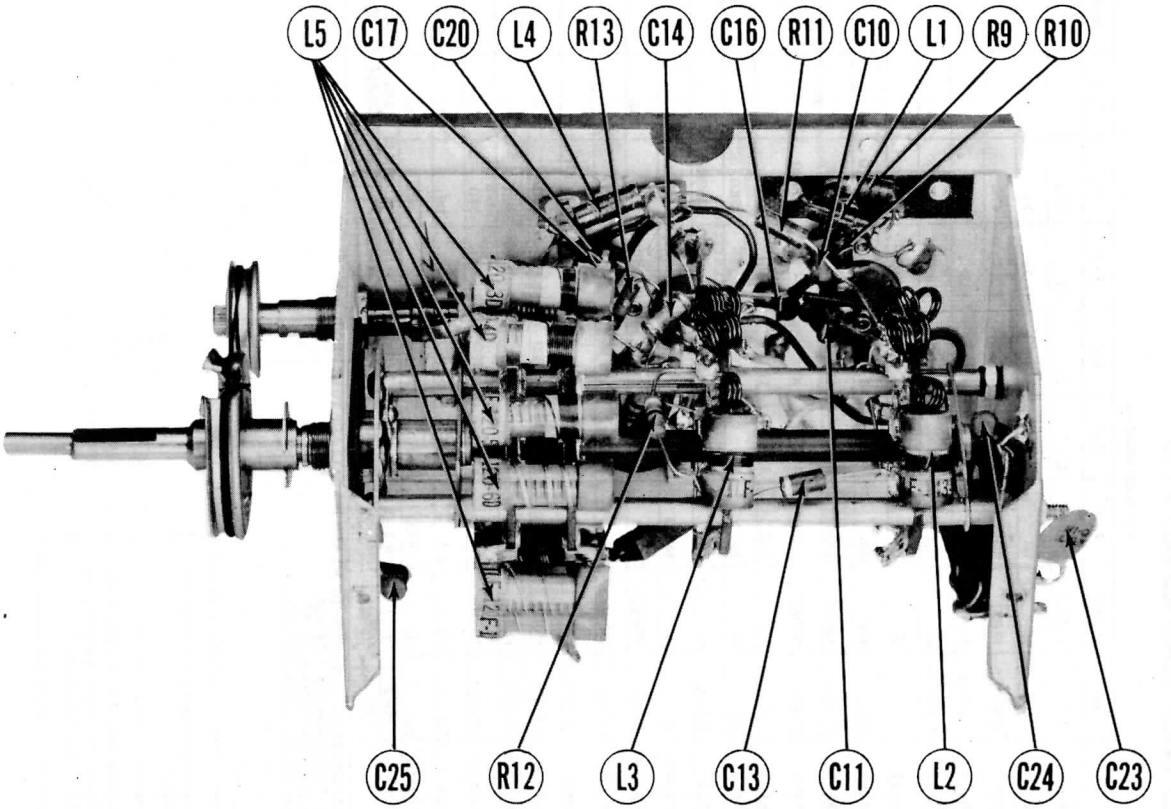
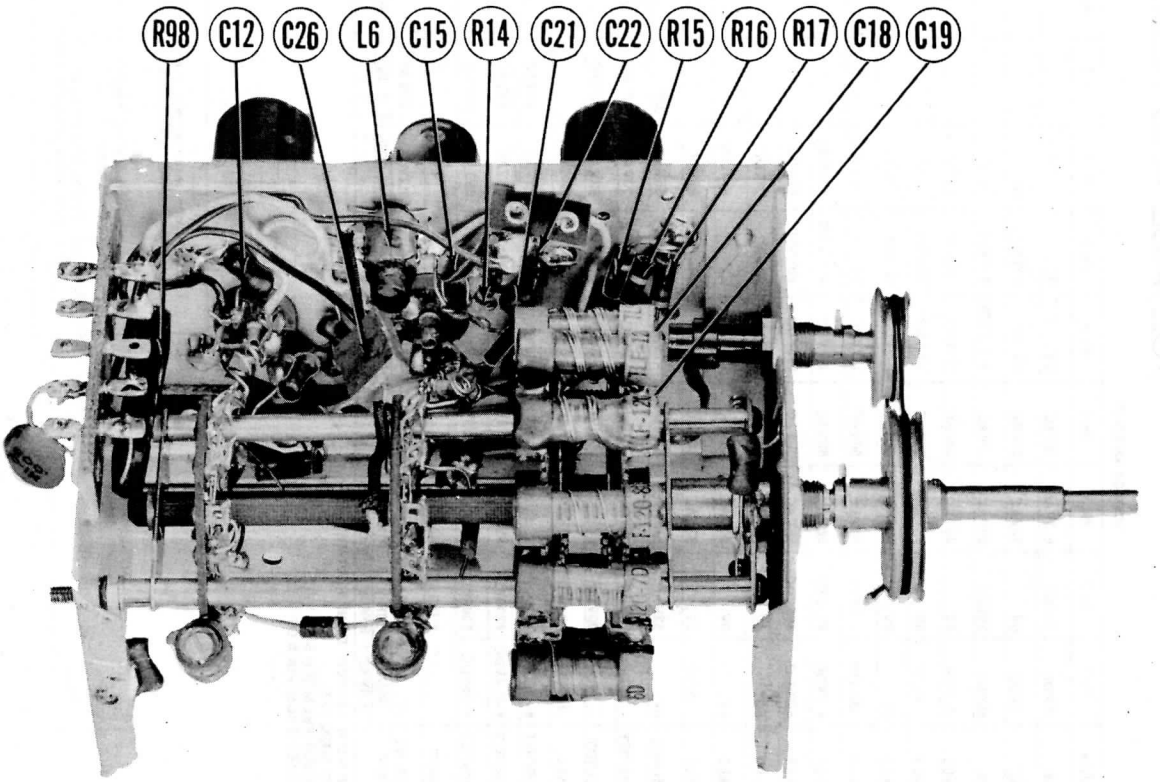


FIG. 4



RF TUNER-RIGHT SIDE



RF TUNER-LEFT SIDE

VOLTAGE AND RESISTANCE MEASUREMENTS

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6J6	75VDC	75VDC	6.3VAC	13VAC	0V.	0V.	.7VDC		
V 2	6AG5	-1VDC	0V.	20VAC	26VAC	80VDC	80VDC	0V.		
V 3	6J6	85VDC	85VDC	20VAC	13VAC	§-2.3VDC	§-2VDC	.4VDC		
V 4	6AU6	-1.1VDC	0V.	26VAC	32VAC	100VDC	100VDC	.5VDC		
V 5	6AU6	-.3VDC	0V.	32VAC	38VAC	100VDC	100VDC	.5VDC		
V 6	6AU6	0V.	0V.	38VAC	44VAC	102VDC	102VDC	.7VDC		
V 7	6AL5	-105VDC	-.8VDC	44VAC	50VAC	1.7VDC	0V.	-105VDC		
V 8	6AU6	#.5VDC	#7.4VDC	56VAC	62VAC	165VDC	#105VDC	#7.4VDC		
V 9	6AU6	#13VDC	#65VDC	62VAC	70VAC	#75VDC	#105VDC	#70VDC		
V 10	6AU6	0V.	0V.	56VAC	50VAC	95VDC	95VDC	.6VDC		
V 11	6AL5	0V.	0V.	20VAC	26VAC	.3VDC	0V.	-.3VDC		
V 12	6AT6	-.1VDC	0V.	32VAC	26VAC	0V.	0V.	40VDC		
V 13	25L6GT	0V.	32VAC	100VDC	105VDC	-7VDC	0V.	55VAC	0V.	
V 14	12SN7GT	-.3VDC	28VDC	.9VDC	-.1VDC	8VDC 43VDC	.9VDC	70VAC	82VAC	
V 15	6SL7GT	-.7VDC	90VDC	0V.	-.4VDC	95VDC	0V.	82VAC	88VAC	
V 16	6AL5	-100VDC	-105VDC	68VAC	75VAC	-100VDC	0V.	-105VDC		
V 17	12SN7GT	#-.2VDC	#11VDC #65VDC	#1.6VDC	#-11VDC	#35VDC #70VDC	#0V.	75VAC	86VAC	
V 18	12SN7GT	#-2.4VDC	#200VDC	#1VDC	#-3.2VDC	#200VDC	#1VDC	86VAC	99VAC	
V 19	12SN7GT	¶-55VDC	¶260VDC	¶6.5VDC	-55VDC	¶260VDC	¶6.5VDC	68VAC	55VAC	
V 20	1B3GT	* DO NOT MEASURE								
V 21	25Z6GT	0V.	87VAC	-135VDC	117VAC	-135VDC	0V.	112VAC	117VAC	

V 22	7JP4	PIN 1	PIN 2	PIN 3	PIN 5	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 14
		6.3VAC	90VDC	#70VDC	*	*	*	*	*	*	0V.

§ TAKEN WITH VACUUM TUBE VOLTMETER.
* DO NOT MEASURE.
# MEASURED FROM PIN 6 OF V17.
¶ MEASURED FROM PIN 5 OF V21.

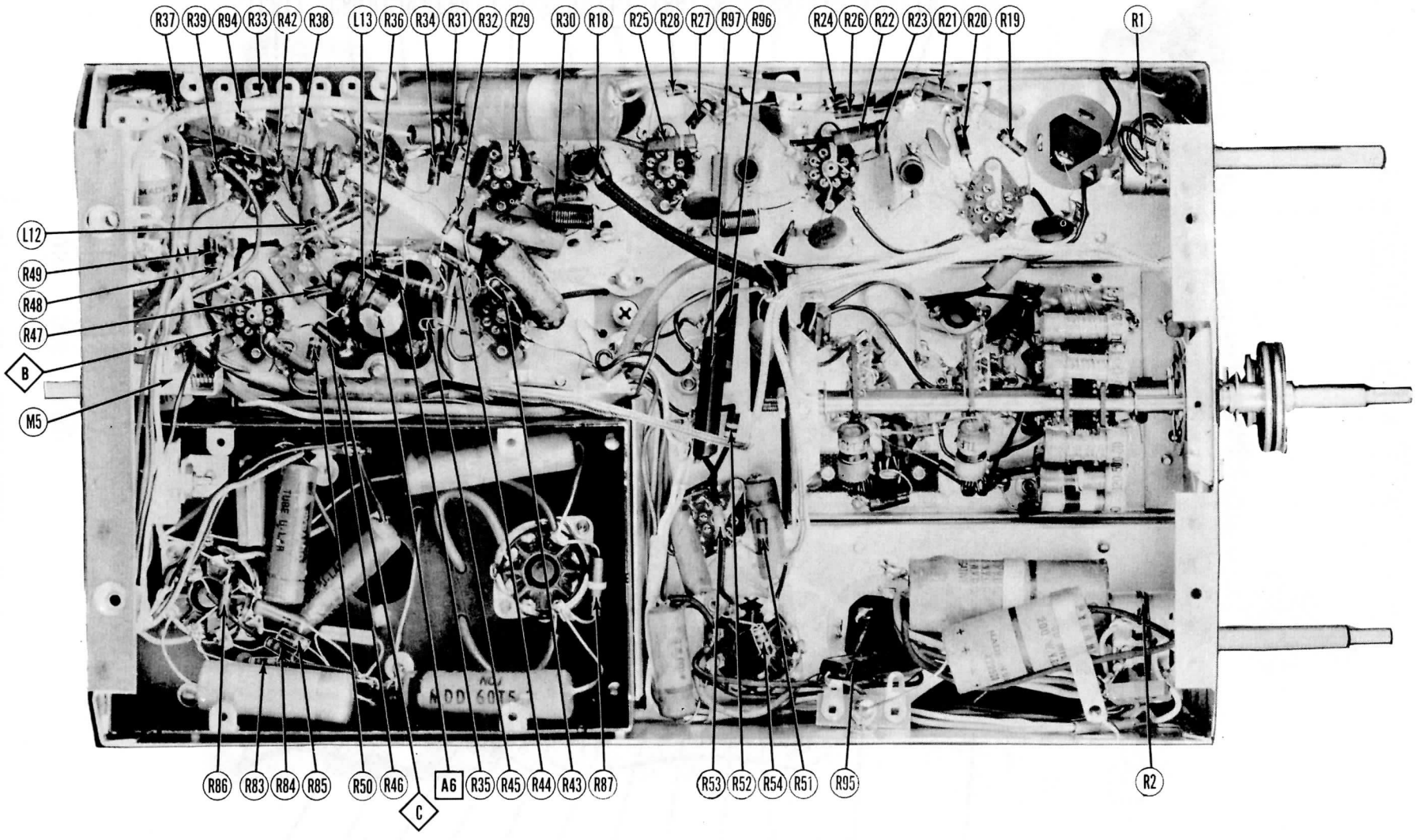
RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6J6	†1.3KΩ	†1.3KΩ	1.5Ω	4Ω	0Ω	0Ω	56Ω		
V 2	6AG5	1 Meg.	0Ω	7Ω	10Ω	†1.3KΩ	†1.3KΩ	0Ω		
V 3	6J6	†390Ω	†390Ω	7Ω	4Ω	27KΩ	27KΩ	47Ω		
V 4	6AU6	2.2 Meg.	0Ω	10Ω	13Ω	†530Ω	†530Ω	82Ω		
V 5	6AU6	2.2 Meg.	0Ω	13Ω	17Ω	†390Ω	†390Ω	82Ω		
V 6	6AU6	11KΩ	0Ω	17Ω	21Ω	†240Ω	†240Ω	82Ω		
V 7	6AL5	#0Ω	47KΩ	21Ω	24Ω	2.7KΩ	0Ω	#8.2KΩ		
V 8	6AU6	#1 Meg.	#1000Ω	27Ω	30Ω	†7.2KΩ	0Ω	#1000Ω		
V 9	6AU6	#1 Meg.	#100KΩ	30Ω	34Ω	100KΩ	0Ω	#100KΩ		
V 10	6AU6	1.5Ω	0Ω	29Ω	24Ω	†1.1KΩ	†900Ω	82Ω		
V 11	6AL5	Inf.	Inf.	7Ω	10Ω	15KΩ	0Ω	15KΩ		
V 12	6AT6	10 Meg.	0Ω	15Ω	10Ω	0Ω	0Ω	†390KΩ		
V 13	25L6GT	0Ω	15Ω	†480Ω	†330Ω	470KΩ	11Ω	28Ω	0Ω	
V 14	12SN7GT	10KΩ	†100KΩ	1000Ω	1.5 Meg.	†5 Meg. †400KΩ	1000Ω	34Ω	39Ω	
V 15	6SL7GT	10 Meg.	♦20 Meg.	0Ω	10 Meg.	♦20 Meg.	0Ω	39Ω	41Ω	
V 16	6AL5	#320KΩ	#0Ω	34Ω	36Ω	#320KΩ	Inf.	#200KΩ		
V 17	12SN7GT	#200KΩ	†170KΩ †50KΩ	#1.5KΩ	†200KΩ †100KΩ	†110KΩ †40KΩ	#0Ω	36Ω	42Ω	
V 18	12SN7GT	#220KΩ	†415Ω	#34Ω	#220KΩ	†415Ω	#34Ω	42Ω	46Ω	
V 19	12SN7GT	¶7.5KΩ	†170Ω	¶150Ω	¶7.5KΩ	†270Ω	¶150Ω	34Ω	28Ω	
V 20	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	TOP CAP 850Ω
V 21	25Z6GT	Inf.	41Ω	700KΩ	52Ω	700KΩ	Inf.	48Ω	52Ω	

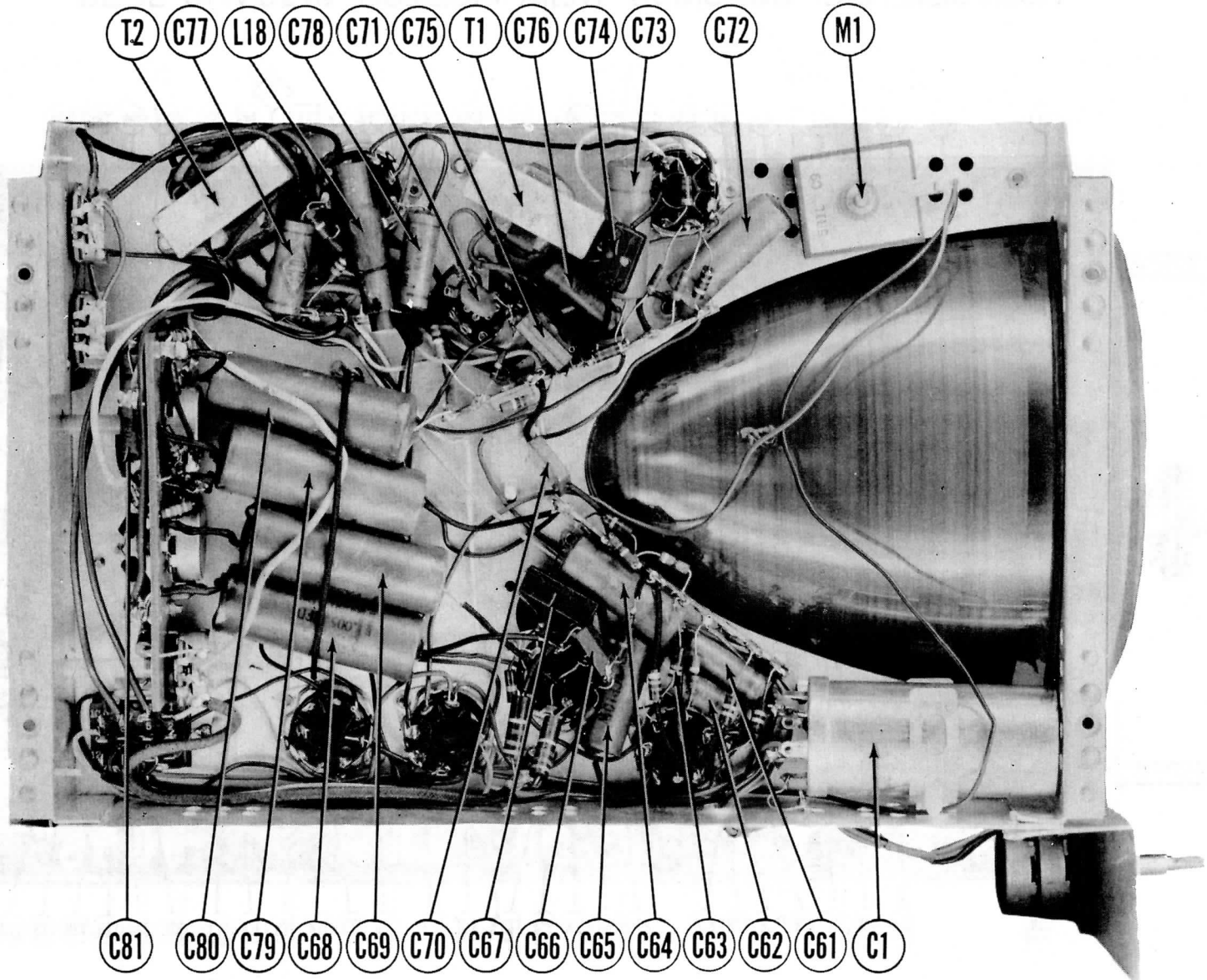
V 22	7JP4	PIN 1	PIN 2	PIN 3	PIN 5	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 14
		1.5Ω	100KΩ	¶100KΩ	♦13Meg. ♦11Meg.	♦6Meg.	♦6Meg.	♦1Meg.	♦6.5Meg. ♦5.6Meg.	♦6Meg.	0Ω

† MEASURED FROM JUNCTION OF M1 AND 18Ω BALLAST TUBE SECTION.
♦ MEASURED FROM PIN 7 OF V20.
MEASURED FROM PIN 6 OF V17.
¶ MEASURED FROM PIN 5 OF V21.

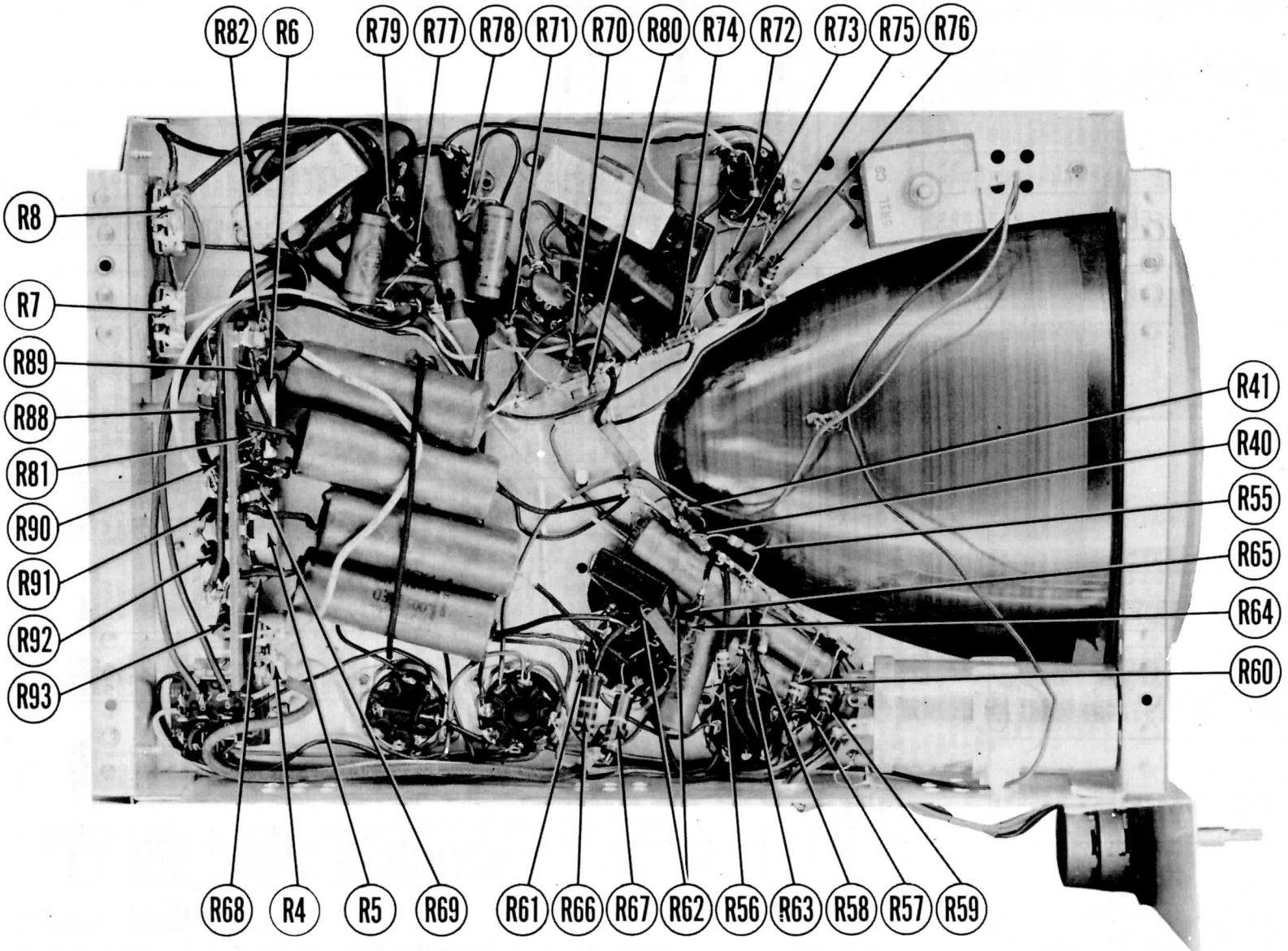
1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measured at 1,000 ohms.
2. Pin numbers are counted in a clockwise direction on bottom of socket.
3. Measured values are from socket pin to common negative unless otherwise stated.
4. Line voltage maintained at 117 volts for voltage readings.
5. Front panels controls set at minimum.
6. Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given.



RF-IF CHASSIS-BOTTOM VIEW-RESISTOR IDENTIFICATON



SWEEP CHASSIS - BOTTOM VIEW - CAPACITOR IDENTIFICATION



SWEEP CHASSIS-BOTTOM VIEW-RESISTOR IDENTIFICATION

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA: TELE-TONE PART No.	REPLACEMENT DATA: STANDARD REPLACEMENT	RMA BASE TYPE	NOTES
V1	RF Amp.	6J6	6J6	7BF	
V2	Mixer	6AG5	6AG5	7BD	
V3	Oscillator	6J6	6J6	7BF	
V4	1st Video IF	6AU6	6AU6	7BK	
V5	2nd Video IF	6AU6	6AU6	7BK	
V6	3rd Video IF	6AU6	6AU6	7BK	
V7	Video Det.-AGC Rectifier	6AL5	6AL5	6BT	
V8	Video Amp.	6AU6	6AU6	7BK	
V9	DC Rest.-Sync. Sep.	6AU6	6AU6	7BK	
V10	Sound IF Amp.	6AU6	6AU6	7BT	
V11	Ratio Det.	6AL5	6AL5	6BT	
V12	AF Amp.	6AT6	6AT6	7BT	
V13	Audio Output	25L6GT	25L6GT	7AC	
V14	Vert. Multivib.	12SN7GT	12SN7GT	8BD	
V15	Vert. Amp.	6SL7GT	6SL7GT	8BD	
V16	Hor. Sync. Disc.	6AL5	6AL5	6BT	
V17	Hor. AFC-Hor. Oscillator	12SN7GT	12SN7GT	8BD	
V18	Hor. Amp.	12SN7GT	12SN7GT	8BD	
V19	HV Osc.	12SN7GT	12SN7GT	8BD	
V20	HV Rectifier	1B3GT	1B3GT	3C	
V21	LV Rectifier	25Z6GT	25Z6GT	7Q	
V22	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: TELE-TONE PART No.	REPLACEMENT DATA: AEROVOX PART No.	REPLACEMENT DATA: CORNELL-DUBILIER PART No.	REPLACEMENT DATA: ERIE PART No.	REPLACEMENT DATA: SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
C1A	200	150	TCE100D	AF4025D	UP11BJ			▲ Filter
B	125	150			1055			▲ Filter
C2A	80	150	TCE128D	AF1616D	UP444315†		TVL-14	▲ Filter
B	80	150						▲ Filter
C3	80	150	TCE127D	AF20D	UP8015		TVL-1	Filter
C4A	20	150		PRSA444D	EDL22215		TA-302	Filter-Red
B	20	150						Filter-Blue
C	20	150						Filter-Green
C5	30	200	TCE103D	PRS250/40	BR2035A		UT-402	Filter
C6	30	200	TCE103D	PRS250/40	BR2035A		UT-402	DC Res. Cathode Bypass
C7	4	25	TCE104D	PRS150/4	BR550		TVA-13	Stabilizing Cap.
C8	360		TCC361-10	GP360M		GP2K-390		Ant. Coupling
C9	360		TCC361-10	GP360M		GP2K-390		Ant. Isolation
C10	360		TCC361-10	GP360M		GP2K-390		RF Cathode Bypass
C11	360		TCC361-10	GP360M		GP2K-390		RF Plate Decoupling
C12	360		TCC361-10	GP360M		GP2K-390		RF Filament Bypass
C13	1		TCC010-11					RF Coupling
C14	22		TCC22-12	GP22K		GP1K-22		RF Coupling
C15	5000		TCC502SP	BPD-5		811-005	29C1	Mixer Decoupling
C16	360		TCC361-10	GP360M		GP2K-360		Mixer Filament Bypass
C17	1		TCC010-11					Osc. Coupling
C18	4.7		TCC4.7-11	CN4.7DNPO		NPOK-4.7		Osc. Feedback
C19	4.7		TCC4.7-11	CN4.7DNPO		NPOK-4.7		Osc. Feedback
C20	360		TCC361-10	GP360M		GP2K-390		Osc. Filament Bypass
C21	360		TCC361-10	GP360M		GP2K-390		Osc. Filament Bypass
C22	360		TCC361-10	GP360M		GP2K-390		Decoupling
C23	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	Decoupling
C24	360		TCC361-10	GP360M	5W5T4	GP2K-390	1FM-335	Switch Bypass
C25	360		TCC361-10	GP360M	5W5T4	GP2K-390	1FM-335	Switch Bypass
C26	270	1000	TCM271-13	1468-00025	5W5T25	GP2K-270	1FM-325	IF Coupling
C27	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	AGC Filter
C28	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	1st V. IF Decoupling
C29	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	1st V. IF Fil. Bypass
C30	270	1000	TCM271-13	1468-00025	5W5T25	GP2K-270	1FM-325	IF Coupling
C31	5000		TCC50_SP	BPD-5	1D5D5	811-005	29C1	AGC Filter
C32	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	2nd V. IF Decoupling
C33	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	2nd V. IF Fil. Bypass
C34	270	1000	TCM271-13	1468-00025	5W5T25	GP2K-270	1FM-325	IF Coupling
C35	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	RF Bypass
C36	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	RF Bypass
C37	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	3rd V. IF Cathode Bypass
C38	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	3rd V. IF Fil. Bypass
C39	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	RF Bypass
C40	1500		TCC152-10		1W5D15	GP2L-0015	1FM-215	IF Coupling
C41	.25	400	TCP254-1	P488-25	GT4P25		TC-2	AGC Filter
C42	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	DAGC Decoupling
C43	5		TCC5-11	CN5CNPO	5W5V5	NPOK-5	MS-55	V. Diode Filter
C44	.05	400	TCP503-4	P488-05	PTE4S5		TM-15	Video Coupling
C45	270	1000		1468-00025	5W5T25	GP2K-270	1FM-325	V. Amp. Cathode Bypass
C46	.05	400	TCP503-4	P488-05	PTE4S5		TM-15	Video Coupling
C47	.05	400	TCP503-4	P488-05	PTE4S5		TM-15	Video Coupling
C48	2.2		TCC2.2-11					S. IF Coupling
C49	.02	400	TCP203-4	P488-02	PTE4S2		TM-12	S. IF Cathode Bypass
C50	.02	400	TCP203-4	P488-02	PTE4S2		TM-12	S. IF Decoupling
C51	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	V. Det. Filament Bypass
C52	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	RF Bypass
C53	330	500	TCM331-5	1468-00035	5W5T3	GP2K-330	1FM-335	Diode Load Cap.
C54	1500		TCC152-10	GP1500M	1W5D15	GP2L-0015	1FM-215	De-emphasis
C55	.02	400	TCP203-4	P488-02	PTE4S2		TM-12	Audio Coupling
C56	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	Vol. Cont. Isolation
C57	.01	600	TCP103-10	P688-01	PTE6S1	821-01	TM-11	Audio Coupling
C58	.01	400	TCP103-10	P488-01	PTE4S1	821-01	TM-11	Audio Coupling
C59	.02	400	TCP203-4	P488-02	PTE4S2		TM-12	Output Plate Bypass

CAPA

ITEM No.	RATING: CAP.	RATING: VOLT	REPLACE: TELE-TONE PART No.	REPLACE: AEROVOX PART No.
C60	270	500	TCM271-13	1468-00025
C61	.005	600	TCP502-10	P688-005
C62	.005	600	TCP502-10	P688-005
C63	.01	400	TCP103-10	P488-01
C64	.1	400	TCP104-4	P488-1
C65	.1	400	TCP104-4	P488-1
C66	100	1000	TCM101-14	
C67	5000	500	TCM502-8	1467-005
C68	.005	6000	TCP502-6K	6089M-005
C69	.005	6000	TCP502-6K	6089M-005
C70	100	1000	TCM101-14	1468-0001
C71	5000		TCC502SP	BPD-5
C72	.1	400	TCP104-4	P488-1
C73	.1	400	TCP104-4	P488-1
C74	500	500		1469-0005
C75	2000	500	TCP202-10	1467-002
C76	.005	600	TCP502-10	P688-005
C77	.002	600	TCP202-10	P688-002
C78	.002	600	TCP202-10	P688-002
C79	.005	6000	TCP502-6K	6089M-005
C80	.005	6000	TCP502-6K	6089M-005
C81	.01	600	TCP103-10	P688-01
C82	.05	600	TCP503-10	P688-05
C83	750	500	TCM751-8	1464-750
C84	360	500	TCM361-6	1469-00035
C85	1500		TCC152-10	GP1500M
C86	.1	600	TCP104-4	P688-1
C87	.0005	6000	TCP501-6K	
C88	.0005	6000	TCP501-6K	
C89	.05	600	TCP503-10	P688-05

† Parallel sections to obtain desired capacity.

C

ITEM No.	RATING: RESISTANCE	RATING: WATTS	REPLACEMENT DATA: TELE-TONE PART No.	REPLACEMENT DATA: IRC PART No.	C
R1A	500KΩ	½	TVC-100D	Q13-133	M
B	Switch		Not Req.	76-1	SV
R2A	1000Ω	½	TVC-101D	B11-108 *	
B	25KΩ	½		B11-120 *	T
C	Shaft End			E187 *	
R3A	1 Meg.	½	TVC-512D	B11-137 *	
B	50KΩ	½		B11-123 *	T
C	Shaft End			E187 *	
R4A	2.5 Meg.	½	TVC-513D	Q11-239	
B	Shaft		Not Req.	TQ	
R5	5 Meg.	½	TVC-514D		
R6	5 Meg.	½	TVC-514D		
R7A	5 Meg.	½	TVC-103D	Q11-141	A
B	Shaft		Not Req.	RQ	K
R8A	250KΩ	½	TVC-116D	Q11-130	A
B	Shaft		Not Req.	RQ	K

* Additional parts to be used with "Concentrikit".
\# File slot in shaft to duplicate original.

R

ITEM No.	RATING: RESISTANCE	RATING: WATTS	REPLACEMENT DATA: TELE-TONE PART No.	REPLACEMENT DATA: IRC PART N
R9	330Ω 10%	½		
R10	56Ω 10%	½		
R11	1000Ω	½		BTS-1000
R12	4700Ω	½		BTS-4700
R13	1 Meg. 5%	½		BTS-1 Meg
R14	1000Ω	½		BTS-1000
R15	27KΩ	½		
R16	27KΩ	½		
R17	47Ω	½		
R18	120Ω	½		
R19	11KΩ 5%	½		
R20	82Ω 10%	½		
R21	120Ω	½		
R22	150Ω	½		BW-½-150
R23	10KΩ	½		
R24	82Ω 10%	½		
R25	150Ω	½		BW-½-150
R26	120Ω	½		
R27	11KΩ 5%	½		
R28	82Ω 10%	½		
R29	2.2 Meg.	½		BTS-2.2 M
R30	47KΩ	½		BTS-47K
R31	2700Ω	½		BTS-2700
R32	220KΩ	½		BTS-220K
R33	8200Ω 5%	½		BTS-8200-
R34	1 Meg.	½		BTS-1 Meg
R35	6800Ω 5%	1		BTA-6800-
R36	10KΩ 5%	½		BTS-10K-5
R37	100KΩ	½		BTS-100K
R38	1 Meg.	½		BTS-1 Meg
R39	100KΩ	½		BTS-100K
R40	100KΩ	½		BTS-100K
R41	560Ω	½		BTS-560

PARTS LIST AND DESCRIPTIONS

NOTES

CAPACITORS (CONT.)

ITEM No.	RATING CAP.	RATING VOLT	REPLACEMENT DATA TELE-TONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
C60	270	500	TCM271-13	1468-00025	5W5T25	GP2K-270	1FM-325	Sync. Sep. Plate Bypass
C61	.005	600	TCP502-10	P688-005	PTE6D5	811-005	TM-25	Integrator Net.
C62	.005	600	TCP502-10	P688-005	PTE6D5	811-005	TM-25	Integrator Net.
C63	.01	400	TCP103-10	P488-01	PTE4S1	821-01	TM-11	Vert. M. V. Feedback
C64	.1	400	TCP104-4	P488-1	PTE4P1		TM-1	Vert. Discharge
C65	.1	400	TCP104-4	P488-1	PTE4P1		TM-1	Vert. Sweep Coupling
C66	100	1000	TCM101-14					Vert. Sweep Coupling
C67	5000	500	TCM502-8	1467-005	1D5D5	811-005	1FM-25	Voltage Divider
C68	.005	6000	TCP502-6K	6089M-005	PTE60D5		TVM-256	Vert. Sweep Coupling
C69	.005	6000	TCP502-6K	6089M-005	PTE60D5		TVM-256	Vert. Sweep Coupling
C70	100	1000	TCM101-14	1468-0001	5W5T1		1FM-31	Hor. Sync. Coupling
C71	5000		TCC502SP	BPD-5	1D5D5	811-005	29C1	AFC Filter
C72	.1	400	TCP104-4	P488-1	PTE4P1		TM-1	AFC Feedback
C73	.1	400	TCP104-4	P488-1	PTE4P1		TM-1	Decoupling
C74	500	500		1469-0005	5R5T5		MS-35	Fixed Trimmer
C75	2000	500	TCP202-10	1467-002	1W5D2	GP2M-002	1FM-22	Hor. Osc. Grid Cap.
C76	.005	600	TCP502-10	P688-005	PTE6D5	811-005	TM-25	Hor. Discharge
C77	.002	600	TCP202-10	P688-002	PTE6D2	GP2M-002	TM-22	Hor. Sweep Coupling
C78	.002	600	TCP202-10	P688-002	PTE6D2	GP2M-002	TM-22	Hor. Sweep Coupling
C79	.005	6000	TCP502-6K	6089M-005	PTE60D5		TVM-256	Hor. Sweep Coupling
C80	.005	6000	TCP502-6K	6089M-005	PTE60D5		TVM-256	Hor. Sweep Coupling
C81	.01	600	TCP103-10	P688-01	PTE6S1	821-01	TM-11	Cent. Cont. Bypass
C82	.05	600	TCP503-10	P688-05	PTE6S5		TM-15	HV Osc.Plate Decoupling
C83	750	500	TCM751-8	1464-750	2R5T7			Fixed Trimmer
C84	360	500	TCM361-6	1469-00035				Fixed Trimmer
C85	1500		TCC152-10	GP1500M	1W5D15	GP2L-0015	1FM-215	HV Osc. Grid Cap.
C86	.1	600	TCP104-4	P688-1	PTE6P1		TM-1	HV Osc. Fil. Bypass
C87	.0005	6000	TCP501-6K		PTE60T5		TVM-356	HV Filter
C88	.0005	6000	TCP501-6K		PTE60T5		TVM-356	HV Filter
C89	.05	600	TCP503-10	P688-05	PTE6S5		TM-15	Line Filter

† Parallel sections to obtain desired capacity.

or Electrolytic
ic Capacitors.

E o.	IDENTIFICATION CODES AND INSTALLATION NOTES
	▪ Filter
	▲ Filter
	▪ Filter
	▲ Filter
	Filter
	Filter-Red
	Filter-Blue
	Filter-Green
	Filter
	DC Res. Cathode Bypass
	Stabilizing Cap.
	Ant. Coupling
	Ant. Isolation
	RF Cathode Bypass
	RF Plate Decoupling
	RF Filament Bypass
	RF Coupling
	RF Coupling
	Mixer Decoupling
	Mixer Filament Bypass
	Osc. Coupling
	Osc. Feedback
	Osc. Feedback
	Osc. Filament Bypass
	Osc. Filament Bypass
	Decoupling
	Decoupling
5	Switch Bypass
5	Switch Bypass
5	IF Coupling
	AGC Filter
	1st V. IF Decoupling
	1st V. IF Fil. Bypass
5	IF Coupling
	AGC Filter
	2nd V. IF Decoupling
	2nd V. IF Fil. Bypass
5	IF Coupling
	RF Bypass
	RF Bypass
	3rd V. IF Cathode Bypass
	3rd V. IF Fil. Bypass
	RF Bypass
	IF Coupling
	AGC Filter
	DAGC Decoupling
	V. Diode Filter
	Video Coupling
	V. Amp. Cathode Bypass
	Video Coupling
	Video Coupling
	S. IF Coupling
	S. IF Cathode Bypass
	S. IF Decoupling
	V. Det. Filament Bypass
	RF Bypass
	Diode Load Cap.
	De-emphasis
	Audio Coupling
	Vol. Cont. Isolation
	Audio Coupling
	Audio Coupling
	Output Plate Bypass

CONTROLS

ITEM No.	RATING RESISTANCE	RATING WATTS	REPLACEMENT DATA TELE-TONE PART No.	IRC PART No.	CLAROSTAT PART No.	INSTALLATION NOTES
R1A	500KΩ	½	TVC-100D	Q13-133	M-60-Z	Volume control
B	Switch		Not Req.	76-1	SW-A	Attach to R1A per instructions
R2A	1000Ω	½		B11-108 *		Contrast control, panel
B	25KΩ	½	TVC-101D	B11-120 *	TVC-101D	Brightness control, rear
C	Shaft End			E187 *		Attach per instructions in "Concentrikit".
R3A	1 Meg.	½		B11-137 *		Vert. hold control, panel
B	50KΩ	½	TVC-512D	B11-123 *	TVC-512D	Horiz. hold control, rear
C	Shaft End			E187 *		Attach per instructions in "Concentrikit".
R4A	2.5 Meg.	½	TVC-513D	Q11-239		Focus control
B	Shaft		Not Req.	TQ		Attach to R4A per instructions
R5	5 Meg.	½	TVC-514D			Vert. centering control, tapped at 2.5 Meg.
R6	5 Meg.	½	TVC-514D			Horiz. centering control, tapped at 2.5 Meg.
R7A	5 Meg.	½	TVC-103D	Q11-141	AM-85-S	Vert. size control
B	Shaft		Not Req.	RQ	KSS-3 #	Attach to R7A per instructions
R8A	250KΩ	½	TVC-116D	Q11-130	AM-55-S	Horiz. size control
B	Shaft		Not Req.	RQ	KSS-3 #	Attach to R8A per instructions

* Additional parts to be used with "Concentrikit".
\# File slot in shaft to duplicate original.

RESISTORS

ITEM No.	RATING RESISTANCE	RATING WATTS	REPLACEMENT DATA TELE-TONE PART No.	IRC PART No.	IDENTIFICATION CODES ALL RESISTORS ARE ± 20% UNLESS OTHERWISE STATED.
R9	330Ω 10%	½			RF Cathode
R10	56Ω 10%	½			Parasitic Suppressor
R11	1000Ω	½		BTS-1000	RF Plate Decoupling
R12	4700Ω	½		BTS-4700	Mixer Coil Shunt
R13	1 Meg. 5%	½		BTS-1 Meg.-5%	Mixer Grid
R14	1000Ω	½		BTS-1000	Mixer Decoupling
R15	27KΩ	½			Osc. Grid
R16	27KΩ	½			Osc. Grid
R17	47Ω	½			Osc. Cathode
R18	120Ω	½			Decoupling
R19	11KΩ 5%	½			1st Video IF Grid
R20	82Ω 10%	½			1st Video IF Cathode
R21	120Ω	½			AGC Network
R22	150Ω	½		BW-½-150	Decoupling-Wire Wound
R23	10KΩ	½			2nd Video IF Grid
R24	82Ω 10%	½			2nd Video IF Cathode
R25	150Ω	½		BW-½-150	Decoupling-Wire Wound
R26	120Ω	½			AGC Network
R27	11KΩ 5%	½			3rd Video IF Grid
R28	82Ω 10%	½			3rd Video IF Cathode
R29	2.2 Meg.	½		BTS-2.2 Meg.	AGC Network
R30	47KΩ	½		BTS-47K	AGC Rect. Diode Load
R31	2700Ω	½		BTS-2700	AGC Rect. Diode Load
R32	220KΩ	½		BTS-220K	Voltage Divider
R33	8200Ω 5%	½		BTS-8200-5%	Video Det. Diode Load
R34	1 Meg.	½		BTS-1 Meg.	Video Amp. Grid
R35	6800Ω 5%	1		BTA-6800-5%	Video Amp. Plate
R36	10KΩ 5%	½		BTS-10K-5%	Isolation
R37	100KΩ	½		BTS-100K	Voltage Divider
R38	1 Meg.	½		BTS-1 Meg.	Sync. Sep. Grid
R39	100KΩ	½		BTS-100K	Sync. Sep. Plate Load
R40	100KΩ	½		BTS-100K	Voltage Divider
R41	560Ω	½		BTS-560	Voltage Divider

ITEM No.	RATING RESISTANCE	RATING WATTS	TE
R42	100KΩ	½	
R43	82Ω 10%	½	
R44	470Ω	½	
R45	220Ω	½	
R46	220Ω	½	
R47	220Ω	½	
R48	15KΩ 5%	½	
R49	15KΩ 5%	½	
R50	47KΩ 10%	½	
R51	10 Meg.	½	
R52	390KΩ	½	
R53	6.8 Meg.	½	
R54	470KΩ	½	
R55	4700Ω	½	
R56	4700Ω	½	
R57	1000Ω	½	
R58	100KΩ	½	
R59	390KΩ	½	
R60	390KΩ	½	
R61	10 Meg.	½	
R62	10 Meg.	½	
R63	15 Meg.	½	
R64	10 Meg.	½	
R65	10 Meg.	½	
R66	4.7 Meg. 10%	1	
R67	4.7 Meg. 10%	1	
R68	5.6 Meg. 5%	½	
R69	5.6 Meg. 5%	½	
R70	100KΩ	½	
R71	100KΩ	½	
R72	1500Ω 5%	½	
R73	51KΩ 5%	½	
R74	51KΩ 5%	½	
R75	51KΩ 5%	½	
R76	47KΩ 10%	½	
R77	180KΩ 10%	½	
R78	220KΩ	½	
R79	220KΩ	½	
R80	220KΩ	½	
R81	4.7 Meg.	½	
R82	4.7 Meg.	½	
R83	7500Ω 5%	½	
R84	68Ω	½	
R85	68Ω	½	
R86	100Ω	½	
R87	100KΩ	1	
R88	1 Meg.	½	
R89	3.3 Meg.	½	
R90	2.2 Meg. 10%	1	
R91	2.2 Meg. 10%	1	
R92	2.2 Meg. 10%	1	
R93	2.2 Meg. 10%	1	
R94	150Ω	1	
R95	330Ω 10%	2	
R96	150Ω	1	
R97	680Ω 10%	2	
R98	86Ω 10%	2	

ITEM No.	RATINGS FIELD RES.	RATINGS V. C. IMP.
SP1	PM	3.3Ω
	CONE DIA.	V. C. DIA.
SP2	3 7/8"	9/16"

ITEM No.	RATING DC RESISTANCE PRI.	RATING DC RESISTANCE SEC.	TELE PA
T1	7.5Ω	3.3Ω	TTRI
T2	1100Ω tap. ⓐ 350Ω 550Ω and 750Ω	2.9Ω CT	TTRI

DESCRIPTIONS

(CONT.)

ERIE PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
GP2K-270	1FM-325	Sync. Sep. Plate Bypass
811-005	TM-25	Integrator Net.
811-005	TM-25	Integrator Net.
821-01	TM-11	Vert. M. V. Feedback
	TM-1	Vert. Discharge
	TM-1	Vert. Sweep Coupling
		Vert. Sweep Coupling
811-005	1FM-25	Voltage Divider
	TVM-256	Vert. Sweep Coupling
	TVM-256	Vert. Sweep Coupling
	1FM-31	Hor. Sync. Coupling
811-005	29C1	AFC Filter
	TM-1	AFC Feedback
	TM-1	Decoupling
	MS-35	Fixed Trimmer
GP2M-002	1FM-22	Hor. Osc. Grid Cap.
811-005	TM-25	Hor. Discharge
GP2M-002	TM-22	Hor. Sweep Coupling
GP2M-002	TM-22	Hor. Sweep Coupling
	TVM-256	Hor. Sweep Coupling
	TVM-256	Hor. Sweep Coupling
821-01	TM-11	Cent. Cont. Bypass
	TM-15	HV Osc. Plate Decoupling
		Fixed Trimmer
		Fixed Trimmer
GP2L-0015	1FM-215	HV Osc. Grid Cap.
	TM-1	HV Osc. Fil. Bypass
	TVM-356	HV Filter
	TVM-356	HV Filter
	TM-15	Line Filter

OLS

INSTALLATION NOTES
Volume control
Attach to R1A per instructions
Contrast control, panel
Brightness control, rear
Attach per instructions in "Concentrikit".
Vert. hold control, panel
Horiz. hold control, rear
Attach per instructions in "Concentrikit".
Focus control
Attach to R4A per instructions
Vert. centering control, tapped at 2.5 Meg.
Horiz. centering control, tapped at 2.5 Meg.
Vert. size control
Attach to R7A per instructions
Horiz. size control
Attach to R8A per instructions

RS

IDENTIFICATION CODES
RESISTORS ARE ± 20% UNLESS OTHERWISE STATED.
Cathode
sitic Suppressor
Plate Decoupling
r Coil Shunt
r Grid
r Decoupling
Grid
Grid
Cathode
upling
ideo IF Grid
ideo IF Cathode
Network
upling-Wire Wound
Video IF Grid
Video IF Cathode
upling-Wire Wound
Network
Video IF Grid
Video IF Cathode
Network
Rect. Diode Load
Rect. Diode Load
ge Divider
Det. Diode Load
Amp. Grid
Amp. Plate
ion
ge Divider
Sep. Grid
Sep. Plate Load
ge Divider
ge Divider

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	TELE-TONE PART No.	IRC PART No.	
R42	100KΩ	½		BTS-100K	Picture Tube Grid
R43	82Ω 10%	½			Sound IF Cathode
R44	470Ω	½		BTS-470	Sound IF Decoupling
R45	220Ω	½			Parasitic Supp.
R46	220Ω	½			Balancing
R47	220Ω	½			Balancing
R48	15KΩ 5%	½		BTS-15K-5%	Ratio Det. Diode Load
R49	15KΩ 5%	½		BTS-15K-5%	Ratio Det. Diode Load
R50	47KΩ 10%	½		BTS-47K	De-emphasis
R51	10 Meg.	½		BTS-10 Meg.	AF Grid
R52	390KΩ	½		BTS-390K	AF Plate
R53	6.8 Meg.	½		BTS-6.8 Meg.	Bias Network
R54	470KΩ	½		BTS-470K	Output Grid
R55	4700Ω	½		BTS-4700	Integrator
R56	4700Ω	½		BTS-4700	Integrator
R57	1000Ω	½		BTS-1000	Vert. MV Cathode
R58	100KΩ	½		BTS-100K	Vert. MV Plate
R59	390KΩ	½		BTS-390K	Vert. MV Grid
R60	390KΩ	½		BTS-390K	Vert. MV Plate
R61	10 Meg.	½		BTS-10 Meg.	Vert. Amp. Grid
R62	10 Meg.	½		BTS-10 Meg.	Vert. Amp. Grid
R63	15 Meg.	½		BTS-15 Meg.	Voltage Divider
R64	10 Meg.	½		BTS-10 Meg.	Voltage Divider
R65	10 Meg.	½		BTS-10 Meg.	Voltage Divider
R66	4.7 Meg. 10%	1		BTA-4.7 Meg.	Vert. Amp. Plate
R67	4.7 Meg. 10%	1		BTA-4.7 Meg.	Vert. Amp. Plate
R68	5.6 Meg. 5%	½		BTS-5.6Meg. 5%	Vert. Deflection Load
R69	5.6 Meg. 5%	½		BTS-5.6Meg. 5%	Vert. Deflection Load
R70	100KΩ	½		BTS-100K	Horiz. Sync. Disc. Load
R71	100KΩ	½		BTS-100K	Horiz. Sync. Disc. Load
R72	1500Ω 5%	½		BTS-1500-5%	Horiz. AFC Cathode
R73	51KΩ 5%	½			Horiz. AFC Plate
R74	51KΩ 5%	½			Horiz. AFC Filter Network
R75	51KΩ 5%	½			Decoupling
R76	47KΩ 10%	½		BTS-47K	Horiz. Osc. Grid
R77	180KΩ 10%	½		BTS-180K	Horiz. Amp. Plate
R78	220KΩ	½		BTS-220K	Horiz. Amp. Grid
R79	220KΩ	½		BTS-220K	Horiz. Amp. Grid
R80	220KΩ	½		BTS-220K	Feedback
R81	4.7 Meg.	½		BTS-4.7 Meg.	Horiz. Deflection Load
R82	4.7 Meg.	½		BTS-4.7 Meg.	Horiz. Deflection Load
R83	7500Ω 5%	½			HV Osc. Grid
R84	68Ω	½			Parasitic Supp.
R85	68Ω	½			Parasitic Supp.
R86	100Ω	½			Parasitic Supp.
R87	100KΩ	1			HV Filter
R88	1 Meg.	½		BTS-1 Meg.	Voltage Divider
R89	3.3 Meg.	½			Voltage Divider
R90	2.2 Meg. 10%	1			Voltage Divider
R91	2.2 Meg. 10%	1			Voltage Divider
R92	2.2 Meg. 10%	1			Voltage Divider
R93	2.2 Meg. 10%	1			Voltage Divider
R94	150Ω	1		BW-1-150	Filter-Wire Wound
R95	330Ω 10%	2		BW-2-330	Filter-Wire Wound
R96	150Ω	1		BW-1-150	Bias Network-Wire Wound
R97	680Ω 10%	2		BW-2-680	Bias Filter-Wire Wound
R98	86Ω 10%	2		BW-2-86	Filament Shunt-Wire Wound

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	TELE-TONE PART No.	JENSEN PART No.	QUAM PART No.	
SP1	PM	3.3Ω	TSP46B	ST-113 § MOD. P4-X	4A1 §	§ Remount output transformer.
	CONE DIA.	V. C. DIA.				
SP2	3 7/8"	9/16"				

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		TELE-TONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.					
T1	7.5Ω	3.3Ω	TTR168-D	A-8110	A-3002		Hor. Block Osc. Trans.
T2	1100Ω tap. ⓐ 350Ω 550Ω and 750Ω	2.9Ω CT	TTR166-D				Hor. Deflection Trans.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (H.V. OSC.)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	TELE-TONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
T3	1.1Ω	750Ω	250Ω	0Ω	TLF-137-D			

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		TELE-TONE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.	PRI.	SEC.					
T4	2.6KΩ	3.3Ω	250Ω	.6Ω	Part of TSP46B	A-3876 §	A-2928 §	RO-2 §	§ Bend mounting tabs down and mount on original bracket.

COILS (RF-IF)

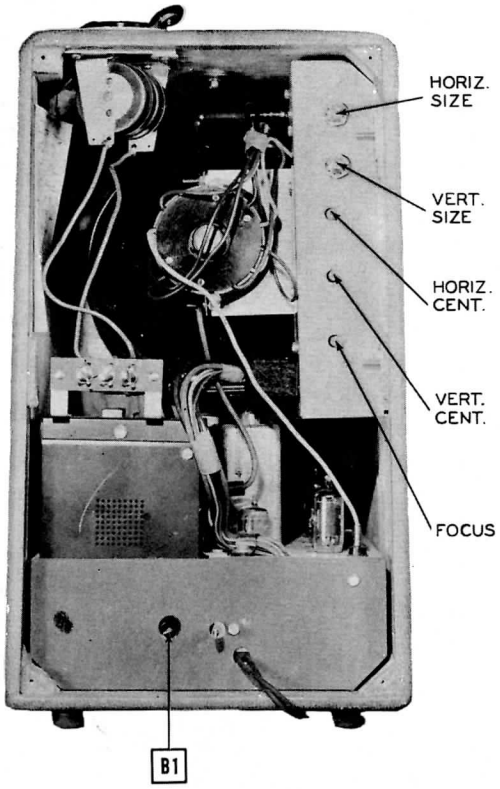
ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	TELE-TONE PART No.	MEISSNER PART No.	
L1	Ant. Input	.2Ω				
L2	RF End Inductor	0Ω		TLF143-D		
L3	RF End Inductor	0Ω		TLF143-D		
L4	RF Plate Chk.	0Ω				
L5A	Osc. Coil	0Ω		TLF120-1D		
B	Osc. Coil	0Ω		TLF120-2D		
C	Osc. Coil	0Ω		TLF120-3D		
D	Osc. Coil	0Ω		TLF120-4D		
E	Osc. Coil	0Ω		TLF120-5D		
F	Osc. Coil	0Ω		TLF120-6D		
G	Osc. Coil	0Ω		TLF120-7D		
H	Osc. Coil	0Ω		TLF120-8D		
I	Osc. Coil	0Ω		TLF120-9D		
J	Osc. Coil	0Ω		TLF120-10D		
K	Osc. Coil	0Ω		TLF120-10D		
L	Osc. Coil	0Ω		TLF120-10D		
L6	1st Video IF	.1Ω				
L7	2nd Video IF	.1Ω				
L8	3rd Video IF	.1Ω				
L9	4th Video IF	.1Ω				
L10	Peaking	6Ω				Wound on 33KΩ resistor.
L11	Peaking	9Ω				
L12	Peaking	8.5Ω				Wound on 22KΩ resistor.
L13	Peaking	10Ω				Wound on 15KΩ resistor.
L14	Sound IF	1.5Ω				
L15	Ratio Det. Trans.	4Ω	.8Ω			
L16	Fil. Choke	.1Ω				
L17	Fil. Choke	.1Ω				
L18	Cath. Choke	34Ω				Red identification dot.

SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA			NOTES
	CURRENT	TELE-TONE PART No.	SYLVANIA PART No.		
M1	.160A	TSR100	NE-5		

MISCELLANEOUS

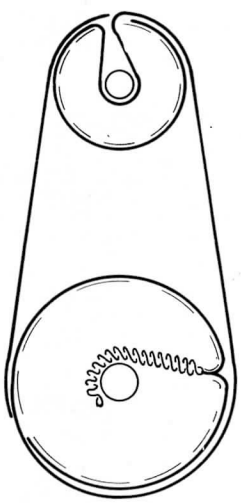
ITEM No.	PART NAME	TELE-TONE PART No.	NOTES
M2	RF Tuner		
M3	Ballast Tube	TBR103D	
M4	Antenna		Indoor
M5	Switch		Interlock



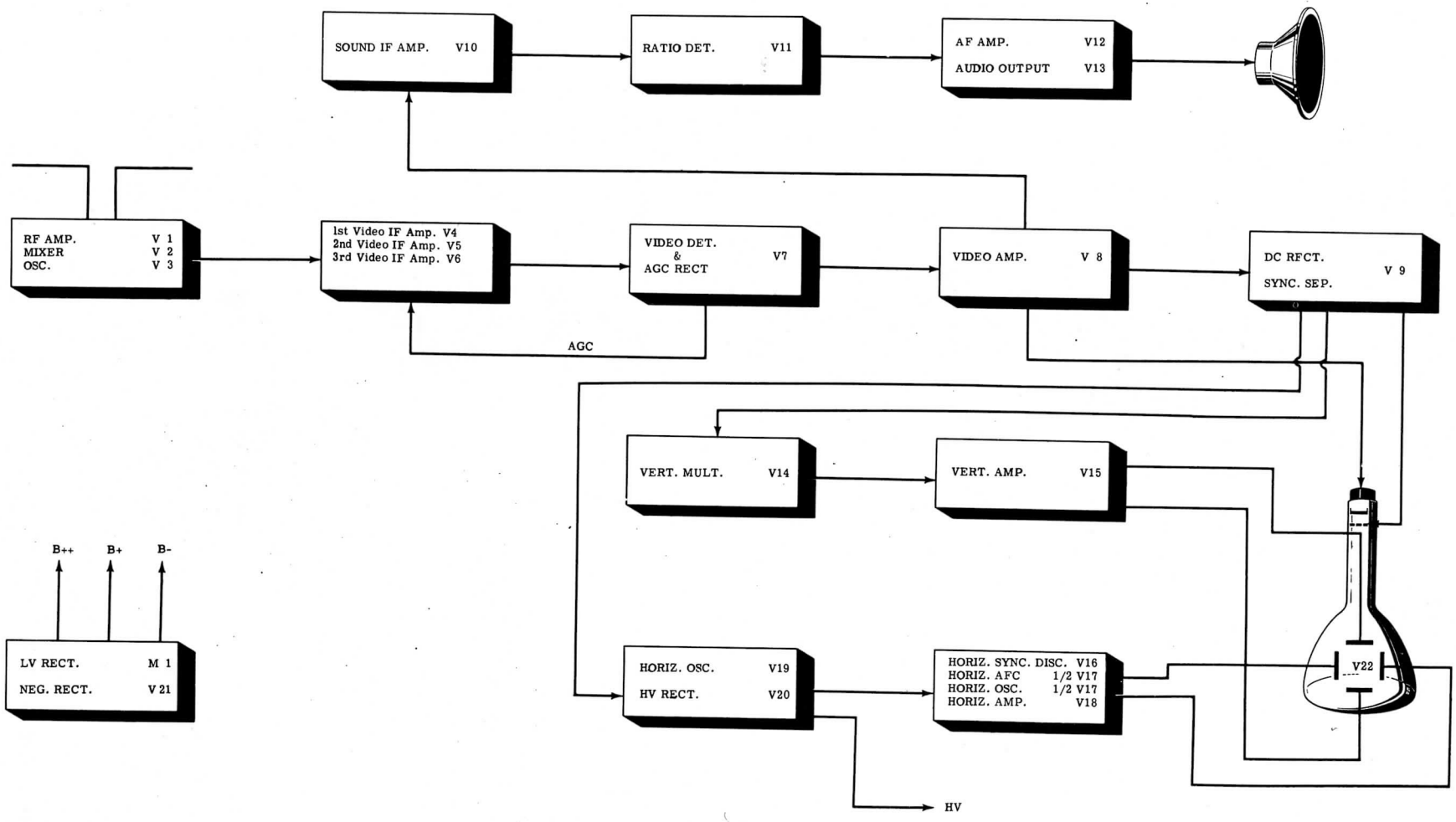
CABINET – REAR VIEW

HIGH VOLTAGE OSCILLATOR ADJUSTMENT

The picture size trimmer (B1) which controls the high voltage is located in the high voltage compartment and is used to adjust the picture to the proper horizontal width. Due to the interaction between circuits, it will be necessary to adjust the height control whenever B1 is changed.



FINE TUNING DIAL CORD STRINGING



BLOCK DIAGRAM