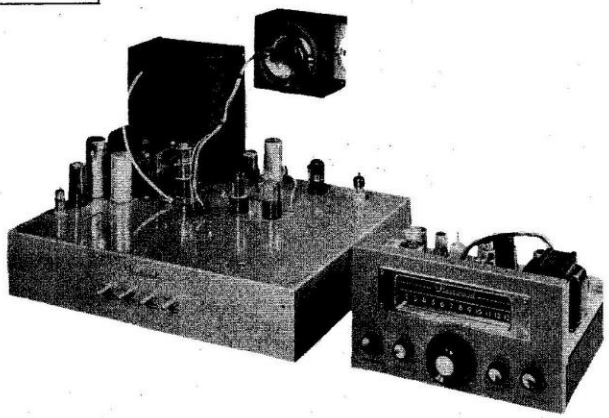
DISASSEMBLY INSTRUCTIONS

This receiver is designed for custom installation and therefore, chassis removal is depended up on type and place of mounting employed.



FLEETWOOD MODEL 800

FLEETWOOD
MODEL 800

SERVICING IN THE FIELD

TUNER OSCILLATOR ADJUSTMENTS

Touch-up adjustments of the VHF tuner oscillator circuit may be accomplished by removal of the channel selector and fine tuning knobs. The adjustments are accessible, one at a time, thru the small hole in the cabinet to the right of the channel selector shaft.

SERVICE ADJUSTMENT LOCATION

See tube placement chart on page 5.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

For adjustment of the horizontal oscillator, it is necessary to remove the rear cover and supply power to the chassis. Adjustment is located on top of the chassis. Set the horizontal hold control at the center of its range and adjust the horizontal oscillator slug (L27) until picture synchronizes horizontally.

SOUND IF DETECTOR BUZZ ADJUSTMENT

To eliminate sound IF detector buzz, adjust the ratio detector secondary (L23) located on top of the chassis.

FUSES

Two fuses are used. One for LV power supply protection (RF-IF Chassis), and one for LV power supply protection (Sweep Chassis) (For location see tube placement chart).

CENTERING

Centering is accomplished mechanically by means of a centering lever on the PM focusing assembly. Adjust the centering lever from side to side, and up and down until the picture is properly centered.

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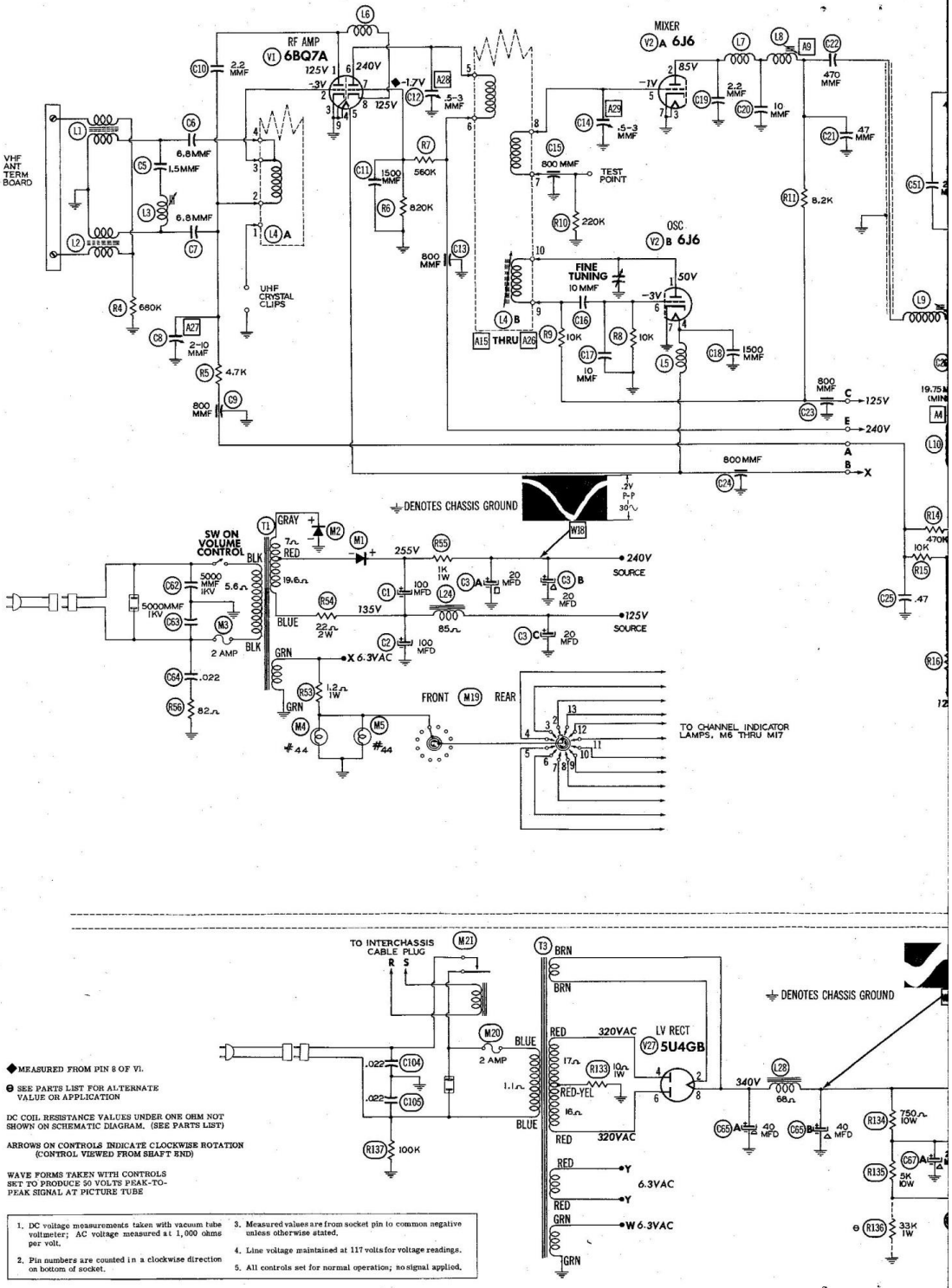


◆MEASURED FROM PIN 8 OF V1.

⊖ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

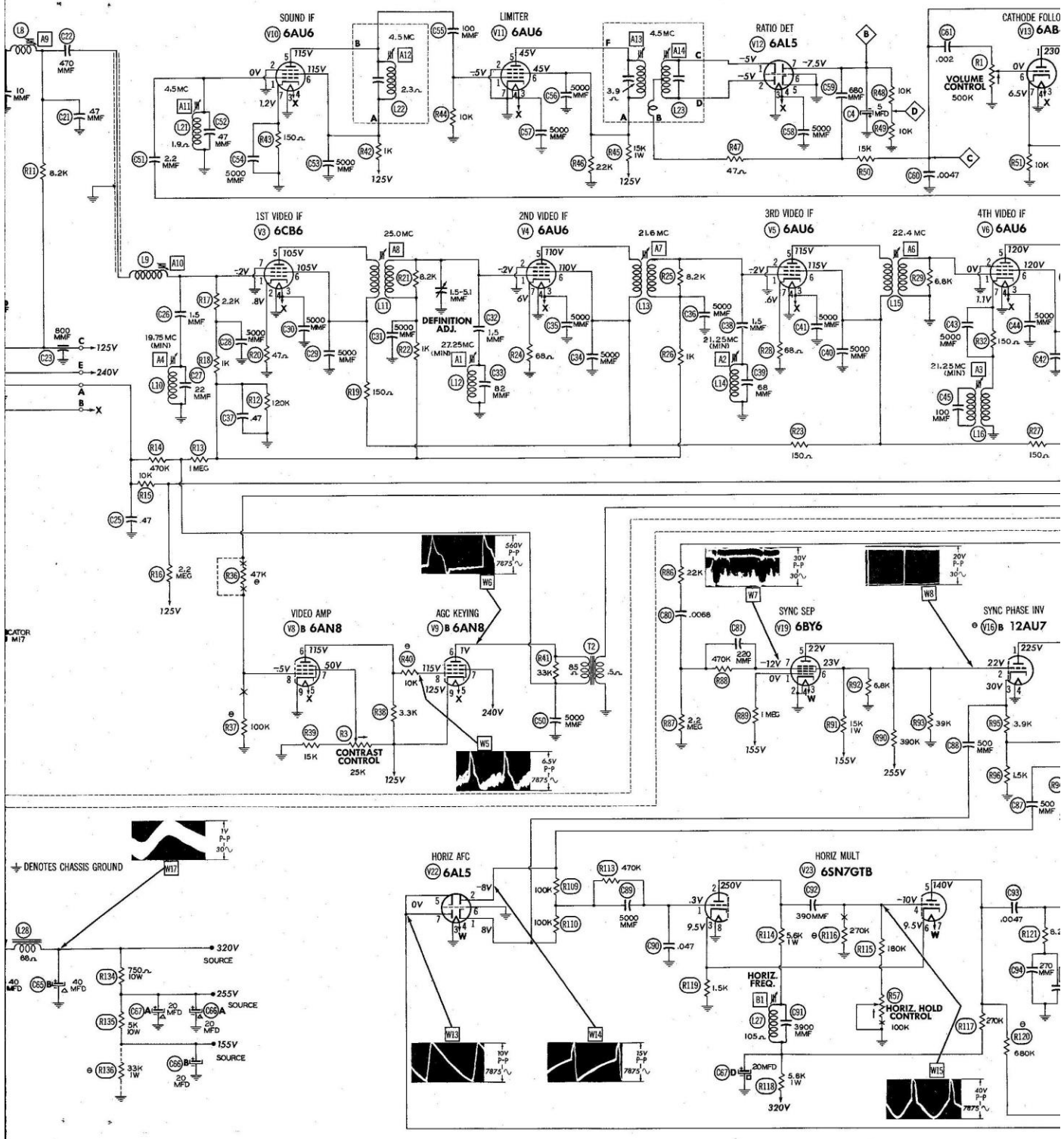
DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM. (SEE PARTS LIST)

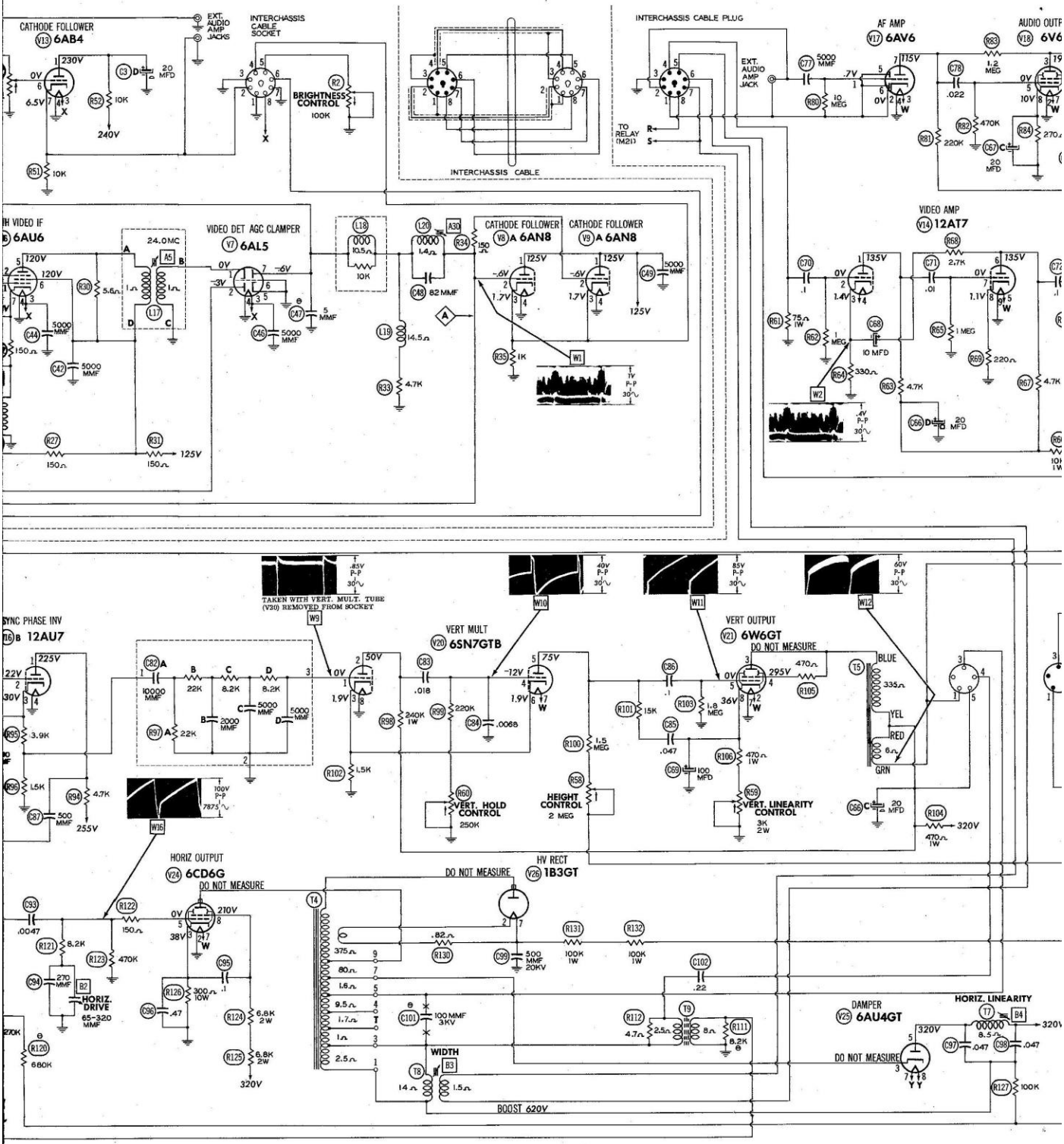
ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

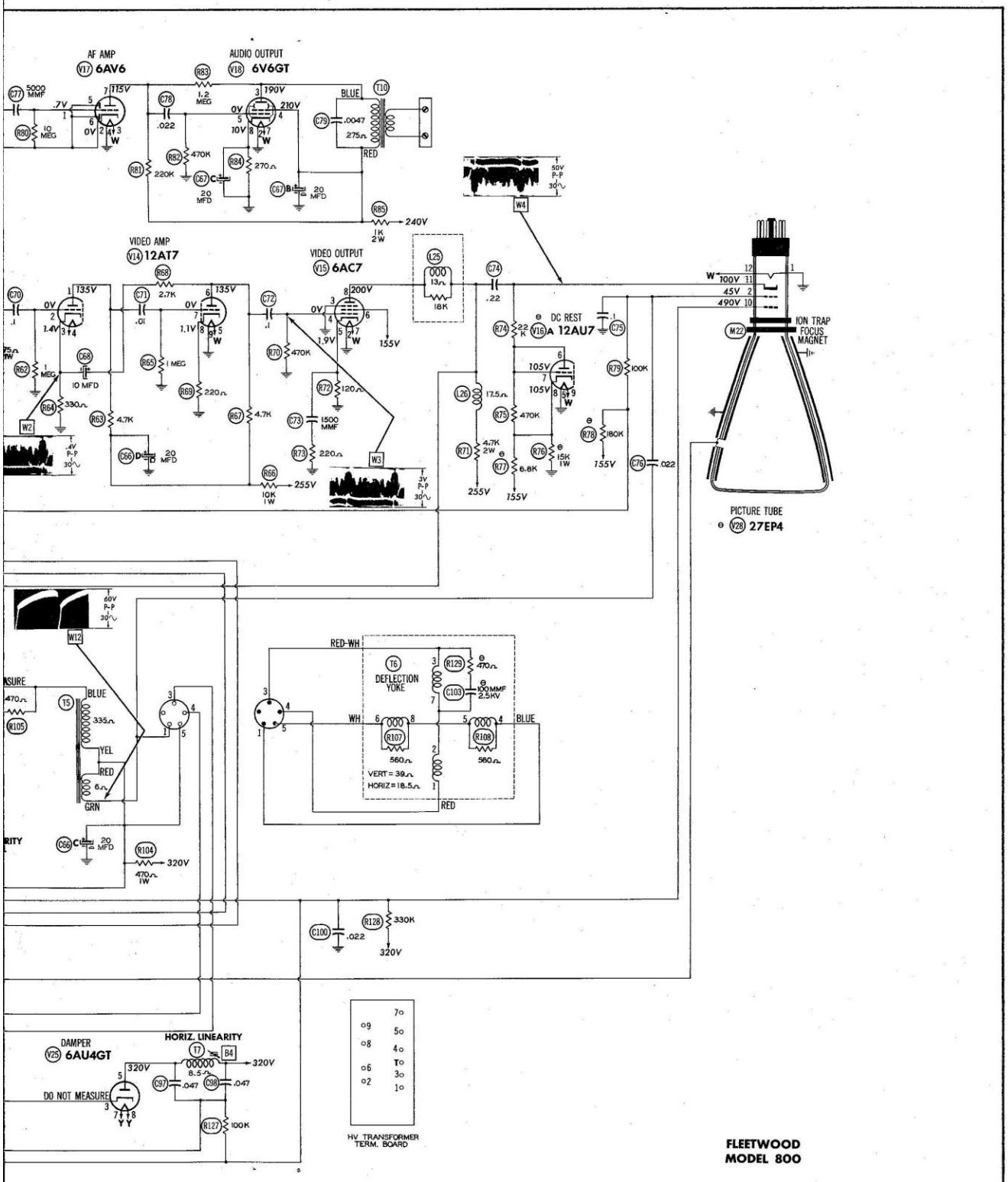
WAVE FORMS TAKEN WITH CONTROLS SET TO PRODUCE 50 VOLTS PEAK-TO-PEAK SIGNAL AT PICTURE TUBE

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltage measured at 1,000 ohms per volt.
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. All controls set for normal operation; no signal applied.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

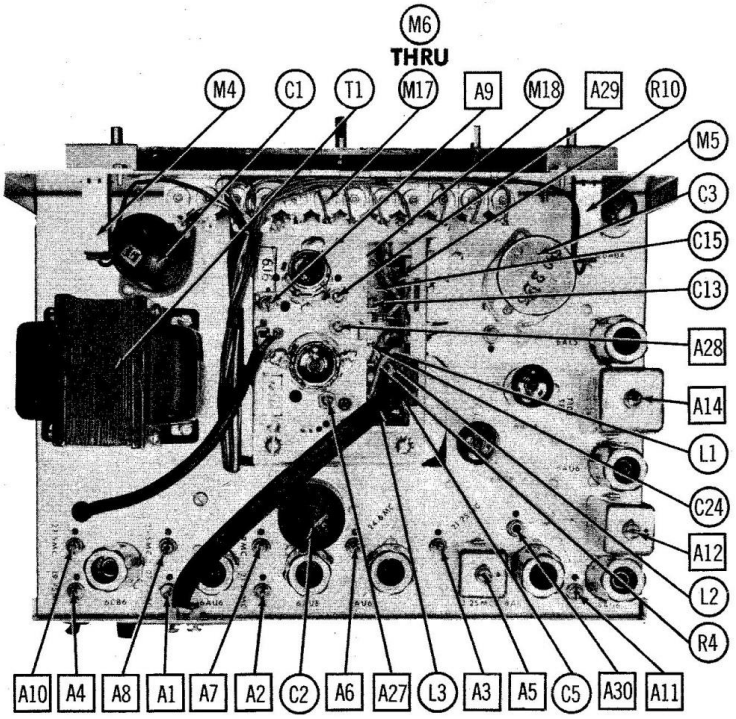

SOUND IF
V10 6AU6
LIMITER
V11 6AU6
RATIO DET
V12 6AL5
CATHODE FOLLO
V13 6AB
VOLUME CONTROL 500K
1ST VIDEO IF
V3 6CB6
2ND VIDEO IF
V4 6AU6
3RD VIDEO IF
V5 6AU6
4TH VIDEO IF
V6 6AU6
DEFINITION ADJ.
VIDEO AMP
V8 B 6AN8
AGC KEYING
V9 B 6AN8
CONTRAST CONTROL 25K
SYNC SEP
V19 6BY6
SYNC PHASE INV
V16 B 12AU7
HORIZ AFC
V22 6AL5
HORIZ MULT
V23 6SN7GTB
HORIZ. FREQ.
HORIZ. HOLD CONTROL 100K
DENOTES CHASSIS GROUND
320V SOURCE
255V SOURCE
155V SOURCE
125V
240V


CATHODE FOLLOWER
V13 6AB4
EXT. AUDIO AMP JACKS
INTERCHASSIS CABLE SOCKET
BRIGHTNESS CONTROL 100K
INTERCHASSIS CABLE
INTERCHASSIS CABLE PLUG
EXT. AUDIO AMP JACK
TO RELAY (M21)
AF AMP
V17 6AV6
AUDIO OUTP
V18 6V6
VIDEO AMP
V14 12AT7
H VIDEO IF
6AU6
VIDEO DET AGC CLAMPER
V7 6AL5
24.0MC
CATHODE FOLLOWER
V8 A 6AN8
CATHODE FOLLOWER
V9 A 6AN8
TAKEN WITH VERT. MULT. TUBE (V20) REMOVED FROM SOCKET
SYNC PHASE INV
V16 B 12AU7
VERT MULT
V20 6SN7GTB
VERT OUTPUT
V21 6W6GT
DO NOT MEASURE
VERT. HOLD CONTROL 250K
HEIGHT CONTROL 2 MEG
VERT. LINEARITY CONTROL 3K 2W
HORIZ OUTPUT
V24 6CD6G
DO NOT MEASURE
HV RECT
V26 1B3GT
DO NOT MEASURE
HORIZ. DRIVE 65-320 MMF
WIDTH
BOOST 620V
DAMPER
V25 6AU4GT
DO NOT MEASURE
HORIZ. LINEARITY

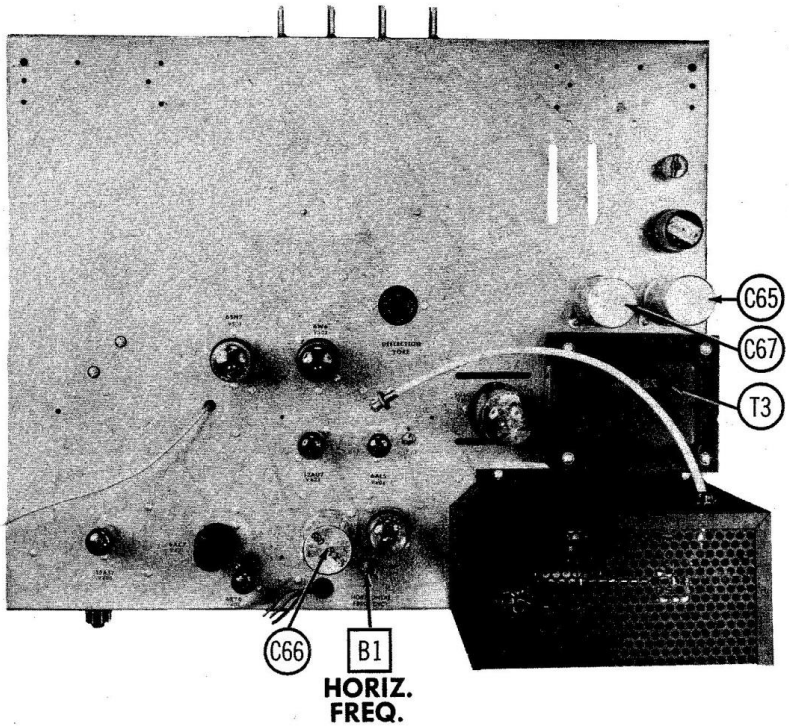


FLEETWOOD
MODEL 800

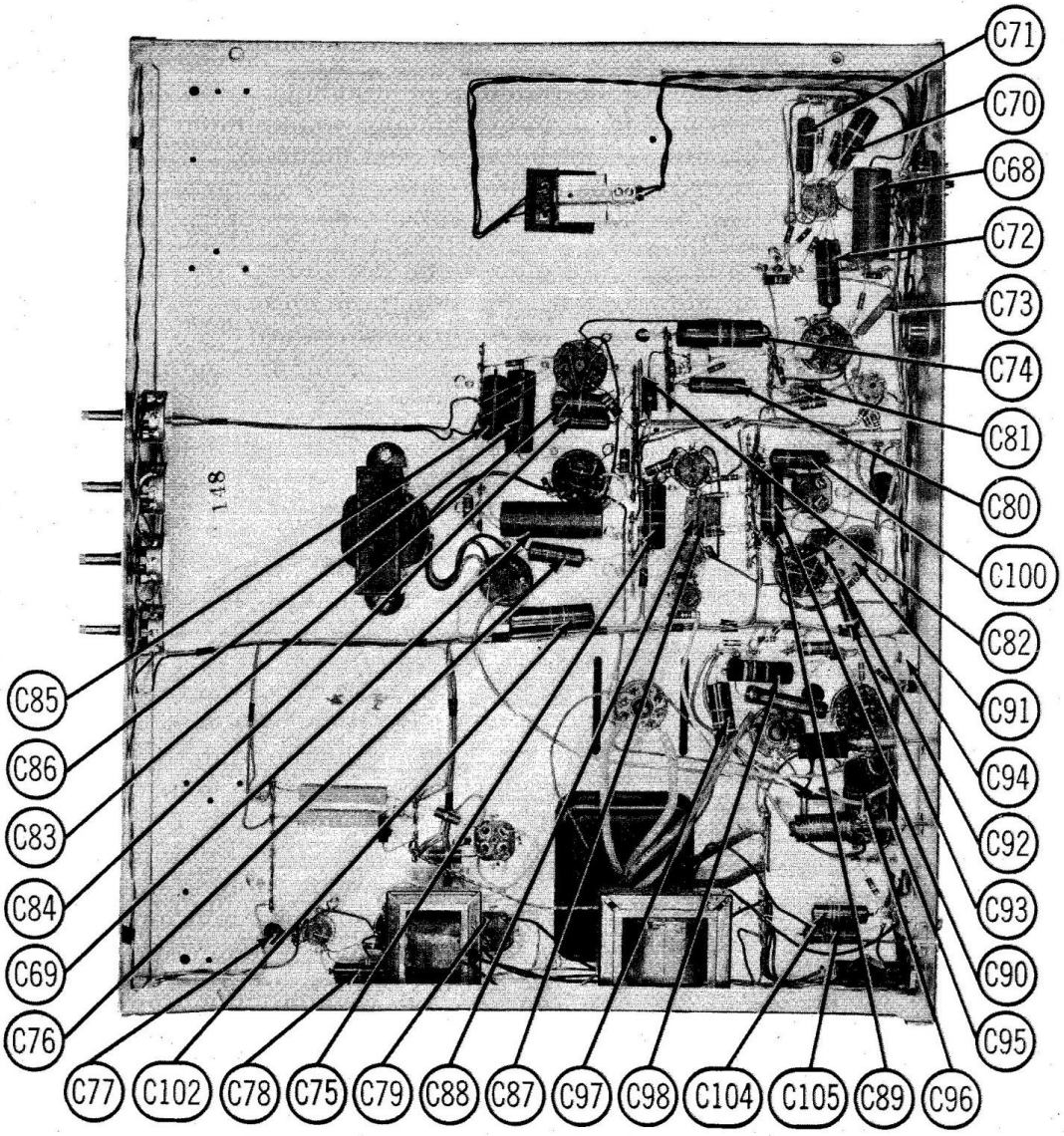
FLEETWOOD
MODEL 800



RF-IF CHASSIS-TOP VIEW

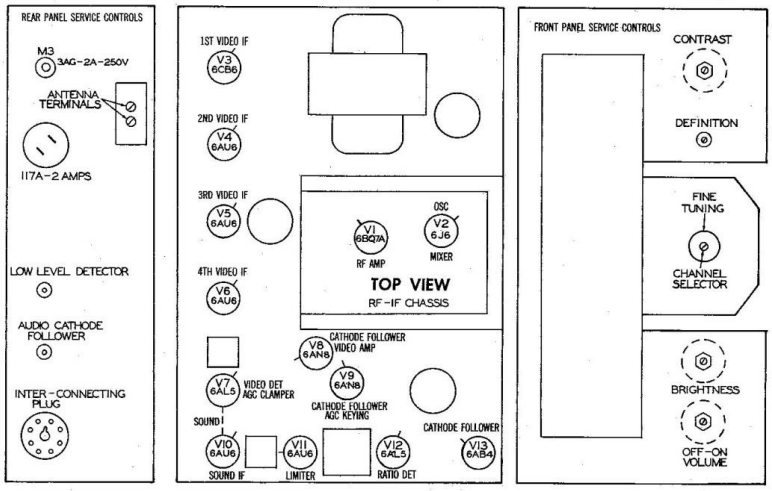


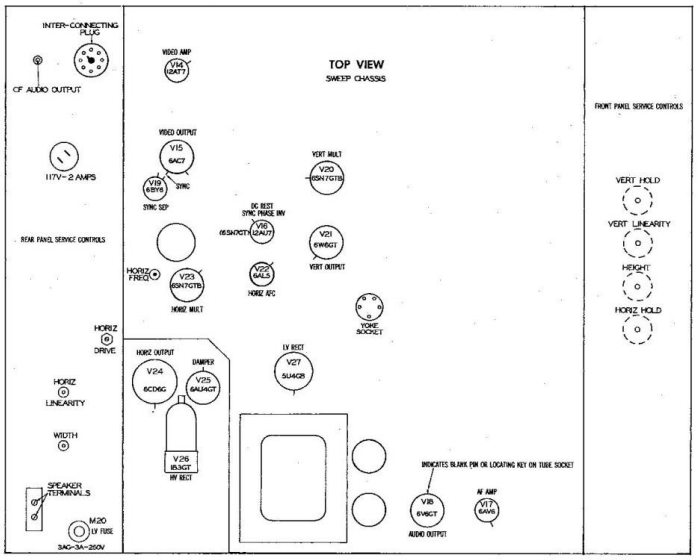
SWEEP CHASSIS-TOP VIEW



SWEEP CHASSIS BOTTOM VIEW-CAPACITOR IDENTIFICATION

TUBE PLACEMENT CHART





TUBE FAILURE CHECK CHART

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

POWER SUPPLY FAILURE
No raster, no sound - **Selenium Rectifiers (M1 & M2), V27, Fuses (M3 & M20), Relay (M21)**

LOSS OF PICTURE OR SOUND
No pic, no sound, has raster - **V2, V3, V4, V5, V6, V7**
No pic, no sound, has snow - **V1, V2, V3**
No pic, has sound, has raster - **V8, V9, V14, V15, V28**
Has pic, no sound - **V10, V11, V12, V13, V17, V18**
Overloaded picture - **V9**

SYNC FAILURE
No vert. sync - **V16, V20**
No horiz. sync - **V16, V22, V23**
No vert. or horiz. sync - **V16, V19**

SWEEP FAILURE
No raster, has sound - **V23, V24, V25, V26, V28**
No vertical deflection - **V20, V21**
Poor vert. linearity or foldover - **V20, V21**
Poor horiz. linearity or foldover - **V23, V24, V25**
Narrow picture - **V23, V24, V25, V26, V27**
Vert. off freq. - **V16, V20**
Horiz. off freq. - **V16, V22, V23**

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The high voltage should be securely taped away from the chassis. Do not remove the horizontal multivibrator tube to disable the high voltage.

VIDEO IF ALIGNMENT

Remove the converter tube (V2) from its socket and replace with a 6J6 which has had pin 1 removed. This will disable the local oscillator and reduce the possibility of erroneous indications. Connect the negative lead of a 3 volt bias supply to the ungrounded side of C37. Connect the positive lead to chassis.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1.	Direct	High side to ungrounded tube shield floating over dummy converter tube. Low side to chassis.	27.25MC	Any	DC probe to point (A). Common to chassis.	A1	Adjust for MINIMUM deflection.
2.	"	"	21.25MC	"	"	A2	"
3.	"	"	21.25MC	"	"	A3	"
4.			19.75MC	"	"	A4	
5.	"	"	24MC	"	"	A5	Adjust for maximum deflection. Attenuate generator output to maintain not more than -1.5 volts at VTVM.
6.	"	"	22.4MC	"	"	A6	"
7.	"	"	21.6MC	"	"	A7	"
8.	"	"	25MC	"	"	A8	"

OVERALL VIDEO IF RESPONSE CHECK

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

	DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
9.	Direct	High side to ungrounded tube shield floating over dummy converter tube. Low side to chassis.	24MC (10MC Swp.)	19.75MC 21.25MC 22MC 23.7MC 25.75MC 27.25MC	Any	Vert. Amp. thru 10KΩ to point (A). Low side to chassis.	A9, A10	Check for response similar to Fig. 1. Adjust A9 until dip in response curve is centered about the 23.7MC marker. If necessary, retouch A5 thru A8 to obtain desired response. Adjust A10 for maximum amplitude.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
10.	.01MFD	High side to pin 1 (grid) of 6AU6 (V10). Low side to chassis.	4.5MC (Unmod.)	Any	DC probe to point (B). Common to chassis.	A11, A12, A13	Adjust for maximum deflection.
11.	"	"	"	"	DC probe to point (C). Common to point (D).	A14	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
10.	.01MFD	High side to pin 1 (grid) of 6AU6 (V10). Low side to chassis.	4.5MC (450KC Swp)	4.5MC	Any	Vert. Amp. to point (B). Low side to chassis.	A11, A12, A13	Disconnect stabilizer capacitor C4. Adjust for curve of maximum amplitude and symmetry similar to Fig. 2.
11.	"	"	"	"	"	Vert. Amp. to point (C). Low side to chassis.	A14	Reconnect stabilizing capacitor C4. Adjust A13 so that 4.5MC marker occurs at center of crossover lines as in Fig. 3. SLIGHTLY retouch A12 for maximum amplitude and straightness of crossover lines.

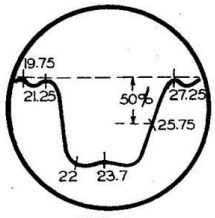


FIG. 1

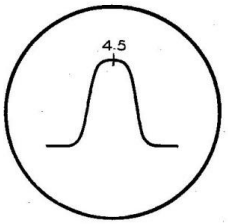


FIG. 2

ALIGNMENT INSTRUCTIONS (cont)

OSCILLATOR ALIGNMENT

Remove the dummy converter tube and replace the original 6J6 in its socket. Leave the bias connected as under "Video IF Alignment". The channel oscillator adjustment screws are reached through a hole above and slightly to the left of the channel selector shaft. The correct adjustment screw is accessible thru this hole as the channel switch is turned to each channel. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms. 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
12.	Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	207MC (10MC Swp.)	205. 25MC 209. 75MC	12	Vert. Amp. thru 10KΩ to point (A). Low side to chassis.	A15	Adjust to place sound marker in trap notch as in Fig. 4. Video marker should be at 50%.
			213MC (10MC Swp.)	211. 25MC 215. 75MC	13		A16	
			201MC (10MC Swp.)	199. 25MC 203. 75MC	11		A17	
			195MC (10MC Swp.)	193. 25MC 197. 75MC	10		A18	
			189MC (10MC Swp.)	187. 25MC 191. 75MC	9		A19	
			183MC (10MC Swp.)	181. 25MC 185. 75MC	8		A20	
			177MC (10MC Swp.)	175. 25MC 179. 75MC	7		A21	
			85MC (10MC Swp.)	83. 25MC 87. 75MC	6		A22	
			79MC (10MC Swp.)	77. 25MC 81. 75MC	5		A23	
			69MC (10MC Swp.)	67. 25MC 71. 75MC	4		A24	
			63MC (10MC Swp.)	61. 25MC 65. 75MC	3		A25	
			57MC (10MC Swp.)	55. 25MC 59. 75MC	2		A26	

RF AND MIXER ALIGNMENT

Leave the bias connect as under "Video IF Alignment". Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.

	DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
13.	Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	207MC (10MC Swp.)	205. 25MC 209. 75MC	12	Vert. Amp. to point (A). Low side to chassis.	A27, A28, A29	Adjust for maximum amplitude and MINIMUM tilt with markers in proper positions as in Fig. 4.

4.5MC TRAP ALIGNMENT

Tune in a TV station and turn the fine tuning control clockwise until 4. 5MC beat appears in the picture. Adjust A30 for MINIMUM 4. 5MC beat interference.

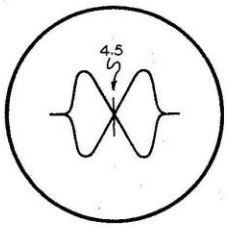


FIG. 3

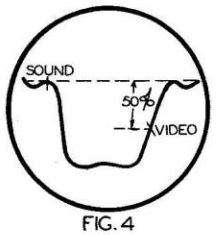
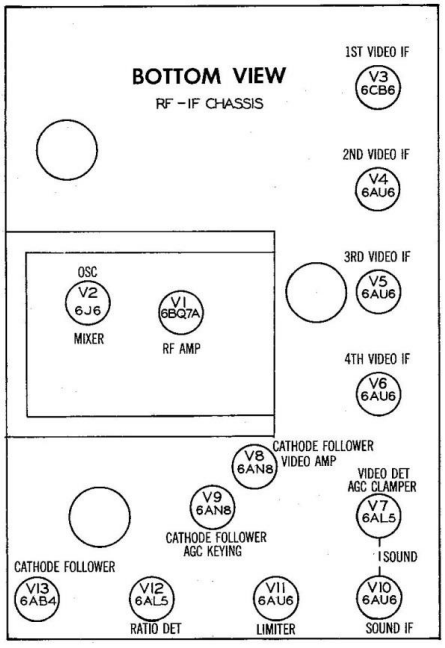


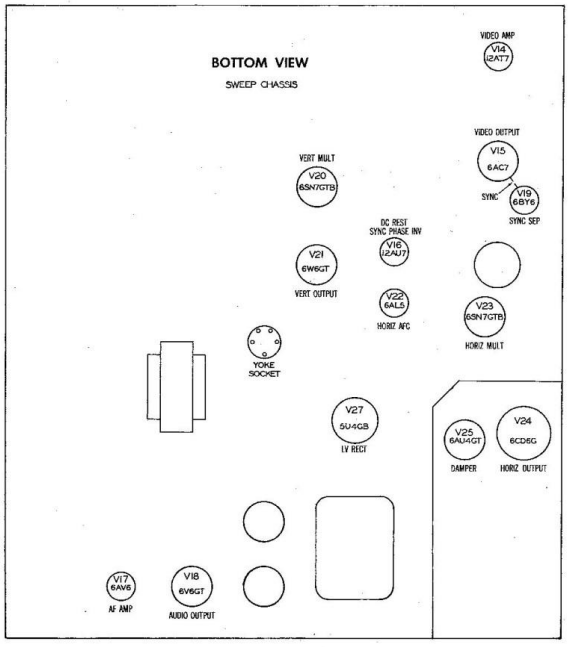
FIG. 4

RESISTANCE MEASUREMENTS

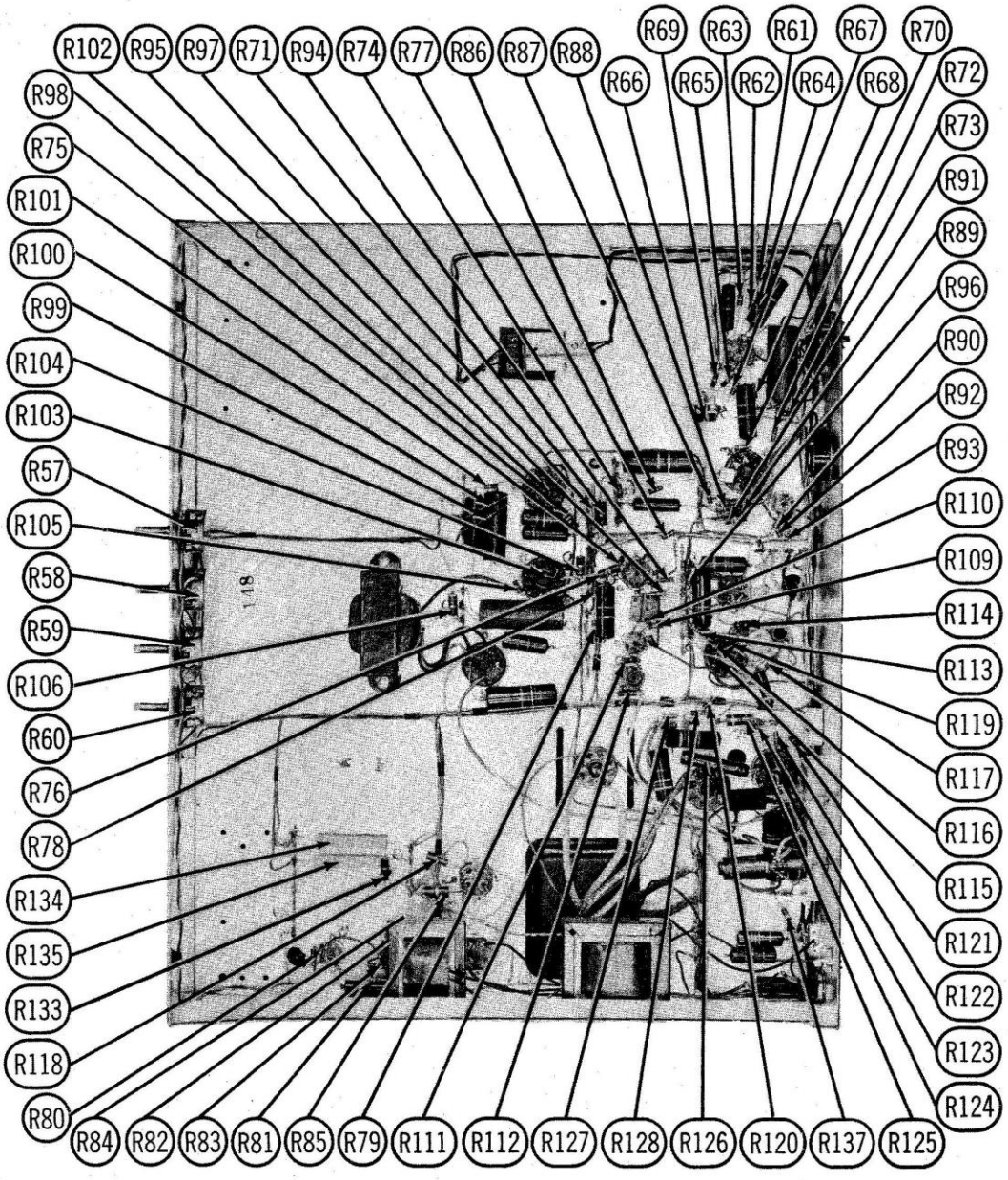
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6BQ7A	INF	850KΩ	0Ω	0Ω	.1Ω	‡ 1KΩ	350KΩ	INF	0Ω
V 2	6J6	§ 10KΩ	§ 8.2KΩ	0Ω	.1Ω	220KΩ	10KΩ	0Ω		
V 3	6CB6	120KΩ	47Ω	.1Ω	0Ω	§ 700Ω	§ 700Ω	0Ω		
V 4	6AU6	120KΩ	0Ω	.1Ω	0Ω	§ 550Ω	§ 550Ω	68Ω		
V 5	6AU6	120KΩ	0Ω	.1Ω	0Ω	§ 400Ω	§ 400Ω	68Ω		
V 6	6AU6	.9Ω	0Ω	.1Ω	0Ω	§ 250Ω	§ 250Ω	150Ω		
V 7	6AL5	1Ω	850KΩ	.1Ω	0Ω	0Ω	0Ω	4.7KΩ		
V 8	6AN8	§ 85Ω	4.7KΩ	75Ω	0Ω	.1Ω	§ 3.3KΩ	§ 8.5KΩ	30KΩ	0Ω
V 9	6AN8	§ 85Ω	4.7KΩ	75Ω	0Ω	.1Ω	750KΩ	‡ 1KΩ	§ 14KΩ	§ 85Ω
V 10	6AU6	1.9Ω	0Ω	0Ω	.1Ω	§ 1.1KΩ	§ 1.1KΩ	150Ω		
V 11	6AU6	10KΩ	0Ω	.1Ω	0Ω	§ 11KΩ	§ 11KΩ	0Ω		
V 12	6AL5	INF	INF	0Ω	.1Ω	0Ω	0Ω	20KΩ		
V 13	6AB4	‡ 11KΩ	NC	.1Ω	0Ω	NC	200KΩ	10KΩ		
V 14	12AT7	† 16KΩ	1Meg	330Ω	.1Ω	.1Ω	† 16KΩ	1Meg	220Ω	0Ω
V 15	6AC7	0Ω	0Ω	0Ω	470KΩ	120Ω	† 5.8KΩ	.1Ω	† 5.5KΩ	
V 16	12AU7	† 5.5KΩ	† 45KΩ	5.4KΩ	0Ω	0Ω	† 470KΩ	† 470KΩ	† 11KΩ	.1Ω
V 17	6AV6	10Meg	0Ω	.1Ω	0Ω	0Ω	0Ω	† 170KΩ		
V 18	6V6GT	TP	0Ω	† 2.4KΩ	† 1.8KΩ	470KΩ	NC	.1Ω	270Ω	
V 19	6BY6	1Meg	0Ω	.1Ω	0Ω	† 45KΩ	† 15KΩ	2.7Meg		
V 20	6SN7GTB	60KΩ	† 240KΩ	1.5KΩ	300KΩ	▲ 2.3Meg	1.5KΩ	.1Ω	0Ω	
V 21	6W6GT	NC	.1Ω	† 900Ω	† 1.4KΩ	1.8Meg	NC	0Ω	1.4KΩ	
V 22	6AL5	INF	INF	.1Ω	0Ω	8Ω	0Ω	8Ω		
V 23	6SN7GTB	INF	† 11KΩ	1.5KΩ	120KΩ	† 200KΩ	1.5KΩ	.1Ω	0Ω	
V 24	6CD6G	NC	0Ω	300Ω	NC	470KΩ	NC	.1Ω	† 14KΩ	TOP CAP ▲ 80Ω
V 25	6AU4GT	NC	NC	350KΩ	NC	† 80Ω	NC	INF	INF	
V 26	1B3GT		PINS	1-8	HAVE	INF	RESISTANCE			TOP CAP ▲ 455Ω
V 27	5U4GB	NC	15KΩ	NC	27Ω	NC	26Ω	NC	15KΩ	
V 28	27EP4A	0Ω	† 150KΩ	PIN 10 ▲ 100KΩ	PIN 11 † 500KΩ	PIN 12 .1Ω				

‡ MEASURED FROM OUTPUT OF M1.
§ MEASURED FROM OUTPUT OF C2.
† MEASURED FROM PIN 8 OF V27.
▲ MEASURED FROM PIN 3 OF V25.
TP-TIE POINT.
NC-NO CONNECTION.

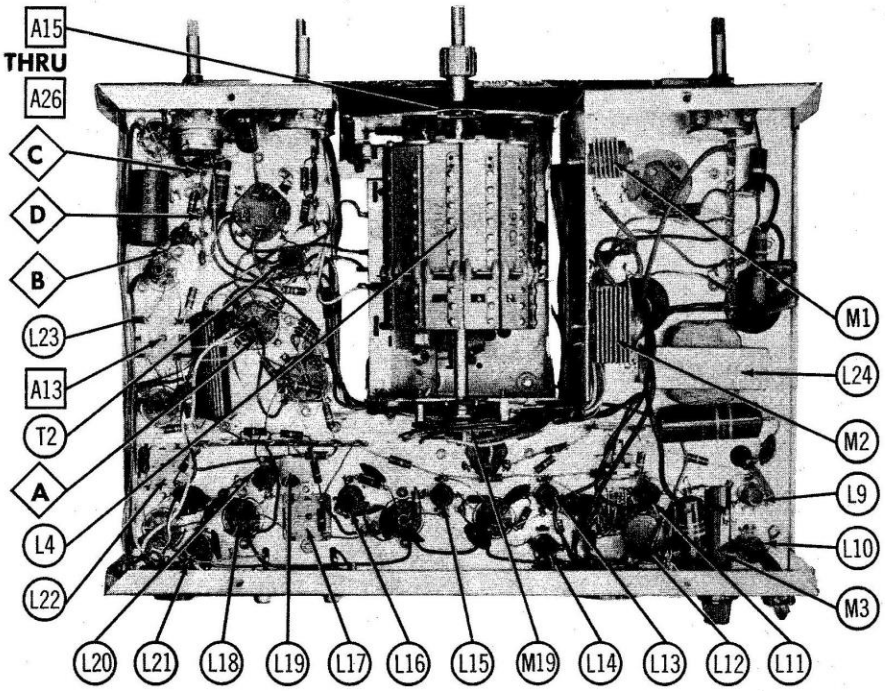




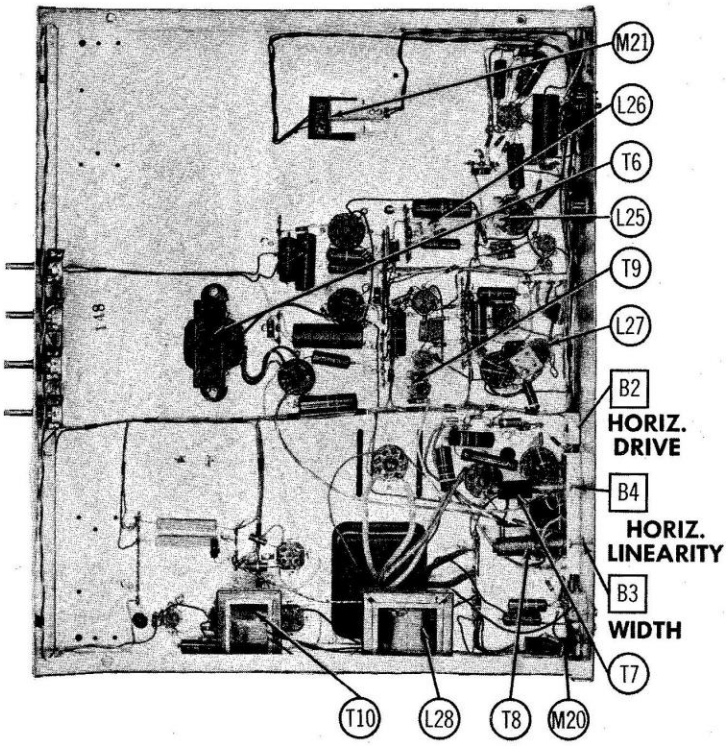
TUBE PLACEMENT CHART



SWEEP CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION



RF-IF CHASSIS BOTTOM VIEW-TRANS., INDUCTOR & ALIGNMENT IDENT.



SWEEP CHASSIS BOTTOM VIEW-TRANS., INDUCTOR & ALIGNMENT IDENT.

PARTS LIST AND DESCRIPTIONS

RF-IF CHASSIS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	REPLACEMENT DATA		NOTES
		FLEETWOOD PART No.	STANDARD REPLACEMENT	
V1	RF Amplifier	6BQ7A	6BQ7A	
V2	Mixer-Oscillator	6J6	6J6	
V3	1st. Video IF Amplifier	6CB6	6CB6	
V4	2nd. Video IF Amplifier	6AU6	6AU6	
V5	3rd. Video IF Amplifier	6AU6	6AU6	
V6	4th. Video IF Amplifier	6AU6	6AU6	
V7	Video Detector-AGC Rectifier	6AL5	6AL5	
V8	Cathode Follower-Video Amplifier	6AN8	6AN8	
V9	Cathode Follower-AGC Keying	6AN8	6AN8	
V10	Sound IF Amplifier	6AU6	6AU6	
V11	Limiter	6AU6	6AU6	
V12	Ratio Detector	6AL5	6AL5	
V13	Cathode Follower	6AB4	6AB4	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	FLEETWOOD PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C1	100	150		AFHI-21	XA003	FP116	TM-100-150	S-090	TVL-1423
C2	100	150		AFHI-21	XA003	FP116	TM-100-150	S-090	TVL-1423
C3A	■20	450		AFH4-14	D013	FP444	TM-Q20-450	Q-040	TVL-4763
B	▲20	450							
C	20	450							
D	▬20	450							
C4	5	50		PRS150V4	BR550	TC30	TD-4-50	MMT-0505	TVA-1303

FIXED CAPACITORS

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

ITEM No.	RATING		REPLACEMENT DATA							NOTES
	CAP.	VOLT	FLEETWOOD PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	
C5	1.5			NP0-SI1.5	TCZ-1R5	Z004	NP0A-1R5	ZT-5515	5TCCB-V15	
C6	6.8			NP0-DI6.8	TCZ-6R8	Z013	NP0A-6R8	ZT-5568	5TCCB-V68	
C7	6.8			NP0-DI6.8	TCZ-6R8	Z013	NP0A-6R8	ZT-5568	5TCCB-V68	
C8	2-10				829-10					
C9	800									
C10	2.2			NP0-SI2.2	TCZ-2R2	Z006	NP0A-2R2		5TCCB-V22	
C11	1500			BPD-0015	DD-152	K071	801-0015	DC-5215	5HK-D15	
C12	.5-3				829-3		3115-01-0R5	CT565A		
C13	800									
C14	.5-3				829-3		3115-01-0R5	CT565A		
C15	800									
C16	10									
C17	10									
C18	1500			BPD-0015	DD-152	K071	801-0015	DC-5215	5HK-D15	
C19	2.2			NP0-SI2.2	TCZ-2R2	Z006	NP0A-2R2		5TCCB-V22	
C20	10			N750-DI10	TCN-10	N018	N750A-100	NT-541	5TCU-Q1	
C21	47			N750-DI47	TCN-47	N033	N750K-470	NT-5447	5TCU-Q47	
C22	470			BPD-00047	DD-471	K060	831-471	UC-5347	5GA-T47	
C23	800									
C24	800									
C25	.47	200		P288N-47		CUB2P47		PT4047	2TM-P47	
C26	1.5			NP0-SI1.5	TCZ-1R5	TZ04	NP0A-1R5	ZT-5515	5TCCB-V15	
C27	22			NP0-DI22	TCZ-22	Z024	NP0K-220	ZT-5422	5TCC-Q22	
C28	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C29	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C30	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C31	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C32	1.5			NP0-SI1.5	TCZ-1R5	TZ04	NP0A-1R5	ZT-5515	5TCCB-V15	
C33	82			1469-000082	TCZ-82	5R5Q82	NP0-337-820		MS-482	
C34	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C35	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C36	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C37	.47	200		P288N-47		CUB2P47		PT4047	2TM-P47	
C38	1.5			NP0-SI1.5	TCZ-1R5	TZ04	NP0A-1R5	ZT-5515	5TCCB-V15	
C39	68			NP0-DI68	TCZ-68	Z038	NP0-337-680		5TCC-Q68	
C40	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C41	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C42	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C43	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C44	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C45	100			NP0-DI100	TCZ-100	TZ30	NP0-337-101	ZT-531	5TCC-T1	
C46	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C47	5			SI5	D6-050	TP06	GP1K-050	ZT-555	5GA-V5	Note 1
C48	82			1469-000082	D6-820	5R5Q82	801-820		MS-482	
C49	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C50	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C51	2.2			NP0-SI2.2	TCZ-2R2	TZ05	NP0A-2R2		5TCCB-V22	
C52	47			NP0-DI47	TCZ-47	Z033	NP0-338-470	ZT-5447	5TCC-Q47	
C53	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C54	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C55	100			SI100	D6-101	TP34	GP1K-101	UC-531	5GA-T1	
C56	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C57	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C58	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C59	680			SI680	D6-681	TP50	GP2K-681	UC-5368	5GA-T68	
C60	.0047	600		SI4700	D6-472	CUB6D47	GP2-333-472	PT6247	6TM-D47	
C61	.022	600		BPD-02	DF-203	CUB6S22	817-02	PT6122	6TM-S22	
C62	5000	1000		HVD-15-5000	DD-502	VD47	1R5KV-472		10HK-D47	
C63	5000	1000		HVD-15-5000	DD-502	VD47	1R5KV-472		10HK-D47	
C64	.022	600		BPD-02	DF-203	CUB6S22	817-02	PT6122	6TM-S22	

Note 1. Some versions use 5.6MMF in this application.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	FLEETWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
R1A	500KΩ	½	1092	AB-60	A47-500K-Z	Q13-133	U-48	Volume
B	Shaft		Not Req.	AK-3	FS-3	Not Req.	Not Req.	Attach to R1A.
C	Switch		Not Req.	KB-1	SWE-12	76-1	US-26	Attach to R1A.
R2A	100KΩ	½	1109	B-40	A47-100K-S	Q11-128	U-41	Brightness
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R2A.
R3A	25KΩ	½	1086	B-26	A47-25K-S	Q11-120	U-29	Contrast
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R3A.

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	FLEETWOOD PART No.	IRC PART No.	
R4	680KΩ	½			
R5	470Ω	½		BTS-4700	
R6	820KΩ	½		BTS-820K	
R7	560KΩ	½		BTS-560K	
R8	10KΩ	½			
R9	10KΩ	½			
R10	220KΩ	½			
R11	8200Ω	½			
R12	120KΩ	½		BTS-120K	
R13	1Meg	½		BTS-1Meg	
R14	470K	½		BTS-470K	
R15	10KΩ	½		BTS-10K	
R16	2.2Meg	½		BTS-2.2Meg	
R17	2200Ω	½			
R18	1000Ω	½		BTS-1000	
R19	150Ω	½		BTS-150	
R20	47Ω	½		BTS-47	
R21	8200Ω	½			
R22	1000Ω	½		BTS-1000	
R23	150Ω	½		BTS-150	
R24	68Ω	½		BTS-68	
R25	8200Ω	½			
R26	1000Ω	½		BTS-1000	
R27	150Ω	½		BTS-150	
R28	68Ω	½		BTS-68	
R29	6800Ω	½			
R30	5600Ω	½			

ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	FLEETWOOD PART No.	IRC PART No.	
R31	150Ω	½		BTS-150	
R32	150Ω	½		BTS-150	
R33	4700Ω	½		BTS-4700	
R34	150Ω	½		BTS-150	
R35	1000Ω	½		BTS-1000	
R36	47KΩ	½		BTS-47K	Note 1
R37	100KΩ	½		BTS-100K	Note 1
R38	3300Ω	½		BTS-3300	
R39	15KΩ	½		BTS-15K	
R40	10KΩ	½		BTS-10K	Note 2
R41	33KΩ	½		BTS-33K	
R42	1000Ω	½		BTS-1000	
R43	150Ω	½		BTS-150	
R44	10KΩ	½		BTS-10K	
R45	15KΩ	1		BTA-15K	
R46	22KΩ	½		BTS-22K	
R47	47Ω	½		BTS-47	
R48	10KΩ	½		BTS-10K	
R49	10KΩ	½		BTS-10K	
R50	15KΩ	½		BTS-15K	
R51	10KΩ	½		BTS-10K	
R52	10KΩ	½		BTS-10K	
R53	1.2Ω	1		BW1-1.2	
R54	22Ω	2			
R55	1000Ω	1		BTA-1000	
R56	82Ω	½		BTS-82	

Note 1. Not used in some versions.
Note 2. Some versions use a 47KΩ ½W resistor in this application.

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA					
	PRI.	SEC. 1	SEC. 2	SEC. 3	FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T1	117VAC .65A	130VAC @ .098A Tap @ 97VAC @ .017A	6.3VAC @ 5.1A		1043B					

TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA							
		FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	RCA TYPE No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T2	AGC Keyer Trans. Pri. (.04-.12MH) Sec. (8-33MH)	1085							

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA				NOTES
		PRI.	SEC.	FLEETWOOD PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	Ant. Matching Trans.	0Ω	0Ω					
L2	Ant. Matching Trans.	0Ω	0Ω					
L3	IF Trap	0Ω						
L4	Ant., RF, Mixer Grid & Osc. Coils	0Ω						
L5	Fil. Choke	0Ω						
L6	Neut. Coil	0Ω						
L7	RF Coil	0Ω						
L8	Conv. Plate	.8Ω						
L9	1st. Video IF	.2Ω		1200	17-1063	TV-112	6249 *	
L10	19.75MC Trap	.2Ω		1203	20-1021			
L11	2nd. Video IF	.9Ω	.9Ω	1164	17-1062	TV-116	6249	
L12	27.25MC Trap	0Ω		1201	20-1006			
L13	3rd. Video IF	.9Ω	.9Ω	1164	17-1066	TV-116	6249	
L14	21.25MC Trap	0Ω		1202	20-1021	TV-150		
L15	4th. Video IF	.9Ω	.9Ω	1164	17-1064	TV-116	6249	
L16	Cathode Trap	0Ω	0Ω	1161	20-1021	TV-150	6247	
L17	5th. Video IF	1Ω	1Ω	1160	17-1063			
L18	Series Peaking Coil	10.5Ω		1204	19-3160 ■		6120 ■	150 Microhenries, wound on 10KΩ resistor
L19	Shunt Peaking Coil	14.5Ω		1039	19-3300		6132	315 Microhenries
L20	4.5MC Trap	1.4Ω		1042	20-1004	TV-151	1469	
L21	1st. Sound IF	1.9Ω		1079	20-1004	TV-151	1469	
L22	2nd. Sound IF	2.3Ω		1078	16-3445 *	TV-113 ♦	6203 ♦	
L23	Ratio Detector	3.9Ω	.6Ω	956	17-1033	TV-110	1498	Tertiary winding -.3Ω

* Use one winding only.
■ Parallel with 10KΩ resistor.
♦ Use one winding only and use adaptor plate.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					
	TOTAL DIRECT CURRENT	D.C. RESISTANCE	INDUCTANCE @ CURRENT 1000 ~	FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L24	.098ADC	85Ω	2.1HY	1044B	C5040	C2994	C2327	26C41	

PARTS LIST AND DESCRIP

SELENIUM RECT

ITEM No.	RATING	REPLACEMENT		
	CURRENT	FLEETWOOD PART No.	FEDERAL PART No.	INTERNATIONAL PART No.
M1	.017ADC		1263A	RS050
M2	.098ADC		1014A	BRS100

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT		
			FLEETWOOD PART No.		LITTELFU PART N
			FUSE	HOLDER	FUSE
M3	3AG	2A 250V			312002. (3AG 2A)

MISCELLANEOUS

ITEM No.	PART NAME	FLEETWOOD PART No.	NOTES
M4	Dial Light		#44
M5	Dial Light		#44
M6	Channel Light		#44 - Channel 2
M7	Channel Light		#44 - Channel 3
M8	Channel Light		#44 - Channel 4
M9	Channel Light		#44 - Channel 5
M10	Channel Light		#44 - Channel 6
M11	Channel Light		#44 - Channel 7
M12	Channel Light		#44 - Channel 8
M13	Channel Light		#44 - Channel 9
M14	Channel Light		#44 - Channel 10
M15	Channel Light		#44 - Channel 11
M16	Channel Light		#44 - Channel 12
M17	Channel Light		#44 - Channel 13
M18	Tuner	1153	
M19	Switch		Channel light selector
	Trimmer	5M11	Definition (1.5-5.1MMF

SWEEP CH

TUBES (GENERAL ELECTRI

ITEM No.	USE	REPLACEMENT DATA	
		FLEETWOOD PART No.	STANDARD REPLACEMENT
V14	Video Amplifier	12AT7	12AT7
V15	Video Output	6AC7	6AC7
V16	DC Restorer-Sync Phase Inverter	12AU7	12AU7
V17	AF Amplifier	6AV6	6AV6
V18	Audio Output	6V6GT	6V6GT
V19	Sync Separator	6BY6	6BY6
V20	Vertical Mult.	6SN7GTB	6SN7GTB
V21	Vertical Output	6W6GT	6W6GT
V22	Horiz. AFC	6AL5	6AL5
V23	Horiz. Mult.	6SN7GTB	6SN7GTB
V24	Horiz. Output	6CD6G	6CD6G
V25	Damper	6AU4GT	6AU4GT
V26	HV Rectifier	1B3GT	1B3GT
V27	LV Rectifier	5U4GB	5U4GB

CATHODE-RAY TU

ITEM No.	REPLACEMENT DATA			
	FLEETWOOD PART No.	CBS PART No.	GENERAL ELECTRIC PART No.	SYLVANIA PART No.
V28	27EP4 ① 27RP4 ① 24CP4A ① 24TP4 ① 21AMP4	27EP4 ① 27RP4 ① 24TP4/ 24CP4A ① 21AMP4 21AMP4A ①	27EP4 ① 27RP4 ① 24CP4A ①	27EP4 ② ① 27RP4 ② ② 24CP4A ② 21AMP4A ②

ELECTROLYTIC CAPA

ITEM No.	RATING		REPLACEM			
	CAP.	VOLT.	FLEETWOOD PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	
C65A	▬40	475		AFH2-72	B053	F
B	▲40	475				
C66A	▲20	450		AFH4-14	D013	F
B	20	450				
C	▬20	450				
D	■20	450				
C67A	▲20	450		AFH4-67	D052	F
B	▬20	450				T
C	20	25				
D	■20	450				
C68	10	450		PRS450V10	BR1045	T
C69	100	50		PRS50V10	BRH501	T

FIXED CA

Capacity values given in the rating
Capacitors, and in mmfd. for Mica

ITEM No.	RATING		FLEETWOOD PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNE DUBILI PART N
	CAP.	VOLT				
C70	.1	400		P488N-1	DF-104	CUB4P
C71	.01	600		BPD-01	D6-103	CUB6S
C72	.1	400		P488N-1	DF-104	CUB4P
C73	1500	500		SI1500	D6-152	1W5D15
C74	.22	400		P488N-22		CUB4P
C75	.1	400		P488N-1	DF-104	CUB4P
C76	.022	600		BPD-02	DF-203	CUB6S
C77	5000			BPD-005	DD-502	K080
C78	.022	600		BPD-02	S17-02	CUB6S
C79	.0047	600		SI4700	D6-472	CUB6D
C80	.0068	600		SI6800	D6-682	CUB6D
C81	220	500		SI220	D6-221	5W5T22

DESCRIPTIONS (Continued)

NIUM RECTIFIER

REPLACEMENT DATA				
INTERNATIONAL PART No.	MALLORY PART No.	RADIO RECEPTOR PART No.	SARKES TARZIAN PART No.	NOTES
RS050	6S65	8J1	50	
8RS100	8S100	6M2	108	

USES

REPLACEMENT DATA			
LITTELFUSE PART No.		BUSS PART No.	
FUSE	HOLDER	FUSE	HOLDER
312002. (3AG 2A)	342001	AGC 2	HKP

ANEOUS

NOTES
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Channel 7
Channel 8
Channel 9
Channel 10
Channel 11
Channel 12
Channel 13

el light selector (Rotary-wafer type) part of tuner
tion (1.5-5.1MMF) Variable (Air)

EP CHASSIS

L ELECTRIC, SYLVANIA)

NT DATA	
STANDARD REPLACEMENT	NOTES
12AT7 6AC7	
12AU7 6AV6 6V6GT 6BY6 6SN7GTB 6W6GT 6AL5 6SN7GTB 6CD6G 6AU4GT 1B3GT 5U4GB	6SN7GT may be used in some versions

DE-RAY TUBE

SYLVANIA PART No.	NOTES
27EP4 ② 27RP4 ② 24CP4A ②	① Aluminized ② Silver screen "65"
21AMP4A ②	

LYTIC CAPACITORS

REPLACEMENT DATA				
CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
B053	FP262	TM-D40-500	D-265	TVL-2830
D013	FP444	TM-Q20-450	Q-040	TVL-4763
D052	FP376.5 TC26	TM-4019	Q-340	TVL-3780 TVA-1205
BR1045 BRH501	TC72 TC3501	TD-10-450 TD-100-50	FM-4510 MTH-5010	TVA-1705 TVA-1310

FIXED CAPACITORS

n in the rating column are in mfd. for Paper
mmfd. for Mica and Ceramic Capacitors.

REPLACEMENT DATA					
ENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
DF-104	CUB4P1		PT401	4TM-P1	
D6-103	CUB6S1	GP3-333-103	PT611	6TM-S1	
DF-104	CUB4P1		PT401	4TM-P1	
D6-152	IW5D15 CUB4P22	GP2L-152	MC256 PT4022	1FM-215 4TM-P22	
DF-104	CUB4P1		PT401	4TM-P1	
DF-203	CUB6S22	817-02	PT6122	6TM-S22	
DD-502	K080	811-005	DC-525	5HK-D5	
817-02	CUB6S22	817-02	PT6122	6TM-S22	
D6-472	CUB6D47	GP2-333-472	PT6247	6TM-D47	
D6-682	CUB6D68	GP3-333-682		6TM-D68	
D6-221	5W5T22	GP2K-221	MC240	1FM-322	

CAPACITORS (cont)

ITEM No.	RATING CAP.	RATING VOLT	REPLACEMENT DATA FLEETWOOD PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
C82A	10000					K082	811-01	DC-511		
B	2000		♦	♦PA-111	♦PC-101	K072	801-002	DC-522	♦V-2	
C	5000					K080	811-005	DC-525		
D	5000					K080	811-005	DC-525		
C83	.018	600								
C84	.0068	600		SI6800	D6-682	CUB6D68	811-0068		6TM-D68	
C85	.047	600		BPD-05	DF-503	CUB6S47		PT6147	6TM-S47	
C86	.1	600		P688N-1	DF-104	CUB6P1		PT601	6TM-P1	
C87	500	500		1469-0005	D6-501	5R5T5	811-501	MCB245	MS-35	
C88	500	500		1469-0005	D6-501	5R5T5	811-501	MCB245	MS-35	
C89	5000			BPD-005	DD-502	K080	811-005	DC-525	5HK-D5	
C90	.047	600		BPD-05	DF-503	CUB6S47		PT6147	6TM-S47	
C91	3900	500		1464-0039		1R5D39		MCB4s3	MS-239	
C92	390	500		1469-00039		5R5T39		MCE243	MS-339	
C93	.0047	600		SI4700	D6-472	CUB6D47	GP2-333-472	PT6247	6TM-D47	
C94	270	500		NP0-SI270	TCZ-270	5R5T27	NP0-335-271	MCE241	MS-327	
C95	.1	600		P688N-1	DF-104	CUB6P1		PT601	6TM-P1	
C96	.47	200		P288N-47		CUB2P47		PT4047	2TM-P47	
C97	.047	600		BPD-05	DF-503	CUB6S47		PT6147	6TM-S47	
C98	.047	600		BPD-05	DF-503	CUB6S47		PT6147	6TM-S47	
C99	500	20000		UV-502	TV3-502	MMU-20T5	413	HV20035A	20DK-T5	
C100	.022	600		BPD-02	DF-203	CUB6S22	817-02	PT6122	6TM-S22	
C101	100	3000		HVD-30-100	DD30-101	V3T1	3KV-101	DC3031	30GA-T1	Note 2
C102	.22	200		P288N-22		CUB2P22		PT4022	2TM-P22	
C103	100	2500		HVD-30-100	DD30-101	V3T1	3KV-101	DC3031	30GA-T1	Note 3
C104	.022	600		BPD-02	DF-203	CUB6S22	817-02	PT6122	6TM-S22	
C105	.022	600		BPD-02	DF-203	CUB6S22	817-02	PT6122	6TM-S22	

Note 2. Not used in some versions.
Note 3. Some versions use 115MMF in this application.
♦ Items C82A, C82B, C82C, C82D, R97A, R97B, R97C, R97D are combined in one unit.

CONTROLS

ITEM No.	RATING RESISTANCE	RATING WATTS	REPLACEMENT DATA FLEETWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	INSTALLATION NOTES
R57A	100KΩ	½	1106	AB-40	A47-100K-S	Q11-128	U-41	Horizontal Hold
B	Shaft		Not Req.	AK-4	RS-2	Not Req.	Not Req.	Attach to R57A.
R58A	2Meg	½	1104	AB-75	A47-2Meg-S	Q11-139	U-56	Height
B	Shaft		Not Req.	AK-4	RS-2	Not Req.	Not Req.	Attach to R58A.
R59A	3000Ω	2	1105	V-133	A43-3000	WPK3000	R3000L	Vertical Linearity (Wire Wound)
B	Shaft		Not Req.	Not Req.	RS-2	Not Req.	DS-36	Attach to R59A.
R60A	250KΩ	½	1107	AB-50	A47-250K-S	Q11-130	U-46	Vertical Hold
B	Shaft		Not Req.	AK-4	RS-2	Not Req.	Not Req.	Attach to R60A.

RESISTORS

ITEM No.	RATING OHMS	RATING WATT	REPLACEMENT DATA FLEETWOOD PART No.	IRC PART No.	NOTES
R61	75Ω 5%	1		BTA-75 5%	
R62	1Meg	½		BTS-1Meg	
R63	4700Ω	½		BTS-4700	
R64	330Ω	½		BTS-330	
R65	1Meg	½		BTS-1Meg	
R66	10KΩ	1		BTA-10K	
R67	4700Ω	½		BTS-4700	
R68	2700Ω 5%	½		BTS-2700 5%	
R69	220Ω	½		BTS-220	
R70	470KΩ	½		BTS-470K	
R71	4700Ω 5%	2		BTB-4700 5%	
R72	120Ω	½		BTS-120	
R73	220Ω	½		BTS-220	
R74	22KΩ	½		BTS-22K	
R75	470KΩ	½		BTS-470K	
R76	15KΩ	1		BTA-15K	Note 3
R77	6800Ω	½		BTS-6800	Note 4
R78	180KΩ	½		BTS-180K	Note 5
R79	100KΩ	½		BTS-100K	
R80	10Meg	½		BTS-10Meg	
R81	220KΩ	½		BTS-220K	
R82	470KΩ	½		BTS-470K	
R83	1.2Meg	½		BTS-1.2Meg	
R84	270Ω	½		BTS-270	
R85	1000Ω	2		BTR-1000	
R86	22KΩ	½		BTS-22K	
R87	2.2Meg	½		BTS-2.2Meg	
R88	470KΩ	½		BTS-470K	
R89	1Meg	½		BTS-1Meg	
R90	390KΩ	½		BTS-390K	
R91	15KΩ	1		BTA-15K	
R92	6800Ω	½		BTS-6800	
R93	39KΩ	½		BTS-39K	
R94	4700Ω	½		BTS-4700	
R95	3900Ω 5%	½		BTS-3900 5%	
R96	1500Ω 5%	½		BTS-1500 5%	
R97A	22KΩ			BTS-22K	
B	22KΩ		♦	BTS-22K	
C	8200Ω			BTS-8200	
D	8200Ω			BTS-8200	

ITEM No.	RATING OHMS	RATING WATT	REPLACEMENT DATA FLEETWOOD PART No.	IRC PART No.	NOTES
R98	240KΩ 5%	1		BTA-240K 5%	
R99	220KΩ	½		BTS-220K	
R100	1.5Meg	½		BTS-1.5Meg	
R101	15KΩ	½		BTS-15K	
R102	1500Ω 5%	½		BTS-1500 5%	
R103	1.8Meg	½		BTS-1.8Meg	
R104	470Ω	1		BTA-470	
R105	470Ω	½		BTS-470	
R106	470Ω	1		BTA-470	
R107	560Ω	½			
R108	560Ω	½			
R109	100KΩ	½			
R110	100KΩ	½			
R111	8200Ω	½			Note 6
R112	4.7Ω	½		BW½-4.7	
R113	470KΩ	½			
R114	5600Ω 5%	1			
R115	180KΩ	½			
R116	270KΩ	½			Note 7
R117	270KΩ	½			
R118	5600Ω 5%	1			
R119	1500Ω 5%	½			
R120	680KΩ	½		BTS-680K	Note 8
R121	8200Ω	½			
R122	150Ω	½			
R123	470KΩ	½			
R124	6800Ω	2			
R125	6800Ω	2			
R126	300Ω	10		1 3/4A-300	
R127	100KΩ	½			
R128	330KΩ	½			
R129	470Ω	½			Note 7
R130	.82Ω	½		BW½-.82	
R131	100KΩ	1			
R132	100KΩ	1			
R133	10Ω	1		BTA-10	
R134	750Ω	10		PW10-750	
R135	5000Ω	10		PW10-5000	
R136	33KΩ	1		BTA-33K	Note 7
R137	100KΩ	½		BTS-100K	

Note 3. Some versions use a 8200Ω 2W resistor in this application.
Note 4. Some versions use a 3900Ω 1W resistor in this application.
Note 5. Some versions use a 330KΩ ½W resistor in this application.
Note 6. Some versions use a 1200KΩ ½W resistor in this application.
Note 7. Not used in some versions.
Note 8. Some versions use a 1Meg ½W resistor in this application.
♦ Items R97A, R97B, R97C, R97D, C82A, C82B, C82C, C82D are combined in one unit.

TRANSFORMER (POWER)

ITEM No.	RATING PRI.	RATING SEC. 1	RATING SEC. 2	RATING SEC. 3	REPLACEMENT DATA FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T3	117VAC 1.85A	640VCT .270A	5VAC @ 3A	6.3VAC @ 7.6A SEC. 4 6.3VAC @ 1.8A	838	P9717 ②	P2833 ①	P8335 ④	26R00 ③	

① Parallel & phase 6.3V @ 6.4A windings to obtain 6.3V @ 12.8A. Tape 6.3V @ .9A winding.
② Tape 5V @ 2A winding.
③ Tape 840VCT and 720VCT HV windings. Tape 5V @ 6A winding. Parallel & phase 6.3V @ 3A, 6.3V @ 3A, 6.3V @ 3A windings.
④ Drill new mounting holes.

FLEETWOOD MODEL 800

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA							
		FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	RCA TYPE No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T4	Horiz. Output Trans.	1082	FB419 *	HVO-36 *	2351 *	X094 *	A-8253①*	FLY-16 *	D-50 *
T5	Vert. Output Trans.		Z1900 ②	A-2823		V307	A-8142	26S72	A-108X
T6A	Yoke (90°)Horiz. (12MH		DF606 ③	MDF-91④	237D1 ③	Y90F12/	DY-13A ④	Y-14 ③	Y-40-1 ④
B	Vert. (40MH)					47 ③			
T7	Horiz. Lin. Coil (1. 4-11MH)	1134	RF800 ⑤ ⑥	MWC-6 ⑤	213R1	201R15	WC-8	WC-22	WC-12 ⑦
T8	Width Coil (3. 75-22. 5MH)With AGC Sec. (. 3-. 12MH)	1037							
T9	Horiz. AFC Trans. Pri. (. 14-. 71MH) Sec. (. 79-2. 85MH)	849							

① Drill new mounting hole(s).
② Use 8 to 1 turns ratio.
③ Connect horiz. damping network to terminals #3 & #7. Use original network if necessary.
④ Use original horiz. damping network if necessary.
⑤ Enlarge mounting hole.
⑥ Use terminals #3 & #4.
⑦ Use red & blue terminals.

*HORIZONTAL OUTPUT TRANSFORMER CONNECTION DATA

Use Original Width Coil Unless Replacement Type Is Listed

	ORIGINAL TERMINAL CONNECTIONS	Halldorson Replacement Connections	Merit Replacement Connections	RCA Replacement Connections	Ram Replacement Connections	Stancor Replacement Connections	Thordarson Replacement Connections	Triad Replacement Connections
	9	9	9	9	9	8	9	9
	7	7	7	7	7	1	7	7
	5	5	5	5	5	2	5	5
	3	3	3	3	3	3	3	3
	1	1	1	1	1	4	1	1
Connect Width Coil Across →	3 & 1	3 & 1	3 & 1	3 & 1	3 & 1	6 & 7	3 & 1	3 & 1
Special Notes →						⑧		

⑧ Ground term #6.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA						NOTES
	PRI.	SEC.	FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T10	7. 7KΩ	3. 4Ω	857	Z1003	A3020	A3849	24S61	S-9Z	

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA				NOTES
		PRI.	SEC.	FLEETWOOD PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L25	Series Peaking Coil	13Ω		1217	19-4201 ▲		6154 ▲	228 Microhenries, wound on 18KΩ resistor
L26	Shunt Peaking Coil	17.5Ω		1216	19-4400		6136	430 Microhenries

▲ Parallel with 18KΩ resistor.

TRANSFORMER (HORIZ. OSC.)

ITEM No.	DC RES.		REPLACEMENT DATA							NOTES
	PRI.	SEC.	FLEETWOOD PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	RCA TYPE No.	Ram PART No.	Thordarson PART No.	
L27	105Ω		994	19-1576	TV-163	6210			HS-5	

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 ∿)	FLEETWOOD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L28	. 270ADC	68Ω	3. 2HY	1056	C5037	C2996	C2334 ①		C-17X

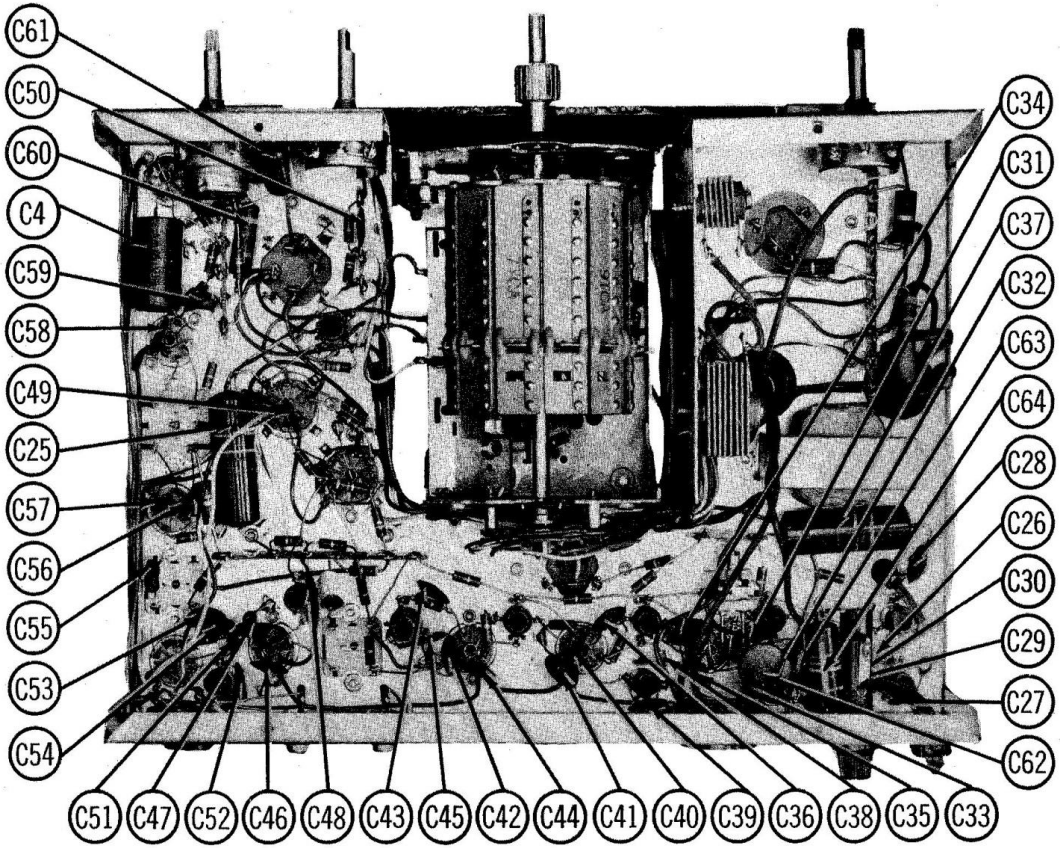
① Drill one new mounting hole.

FUSES

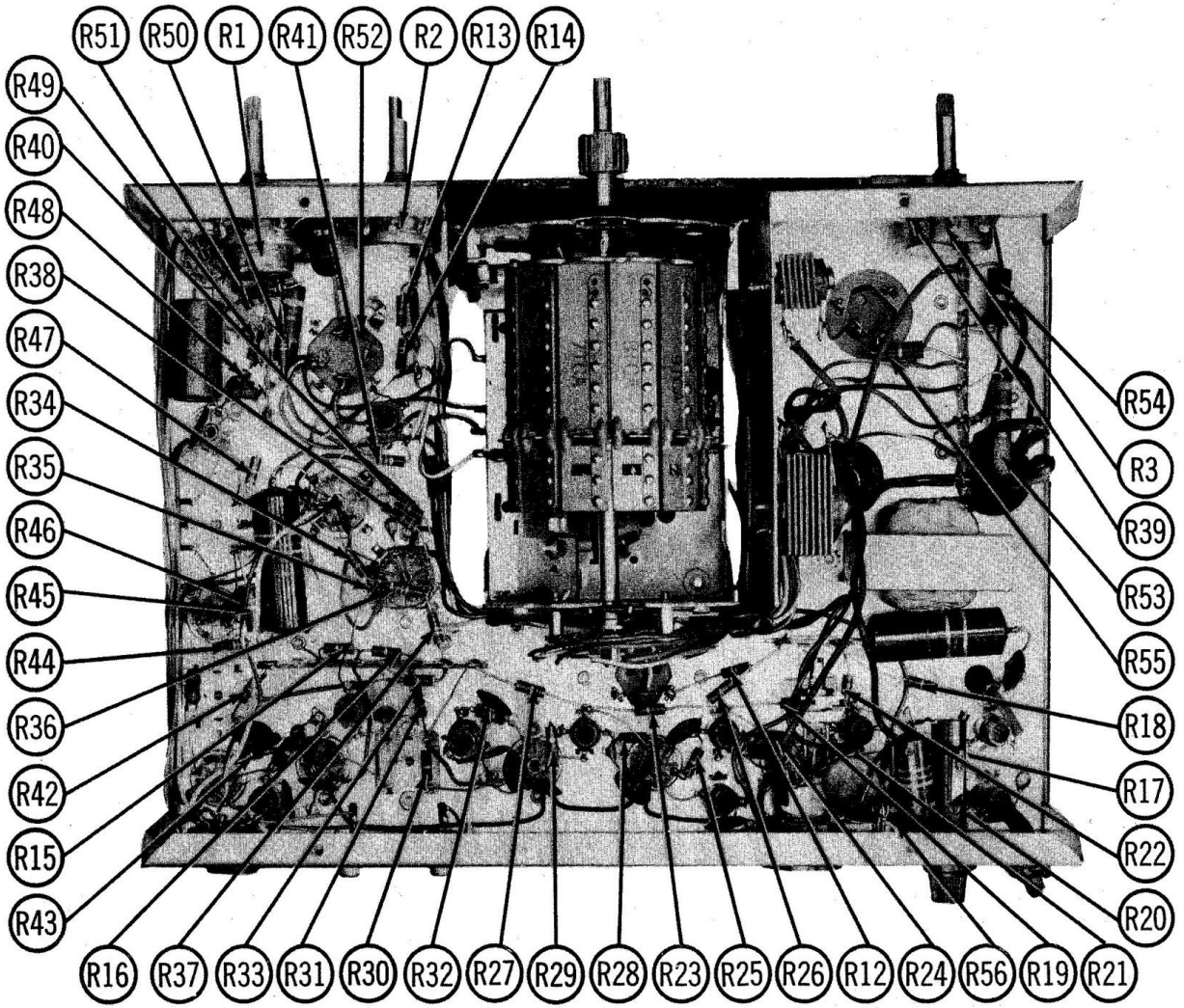
ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			FLEETWOOD PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M20	3AG	3A 250V			312003. (3AG 3A)	342001	AGC 3	HKP

MISCELLANEOUS

ITEM No.	PART NAME	FLEETWOOD PART No.	NOTES
M21	Relay	1021-UL	On-off (power) deflection chassis
M22	Focus Magnet	S2640	Includes centering device
B2	Trimmer Cap.	1186	Horiz. Drive (65-320MMF)



RF-IF CHASSIS-BOTTOM VIEW-CAPACITOR IDENTIFICATION



RF-IF CHASSIS-BOTTOM VIEW-RESISTOR IDENTIFICATION

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

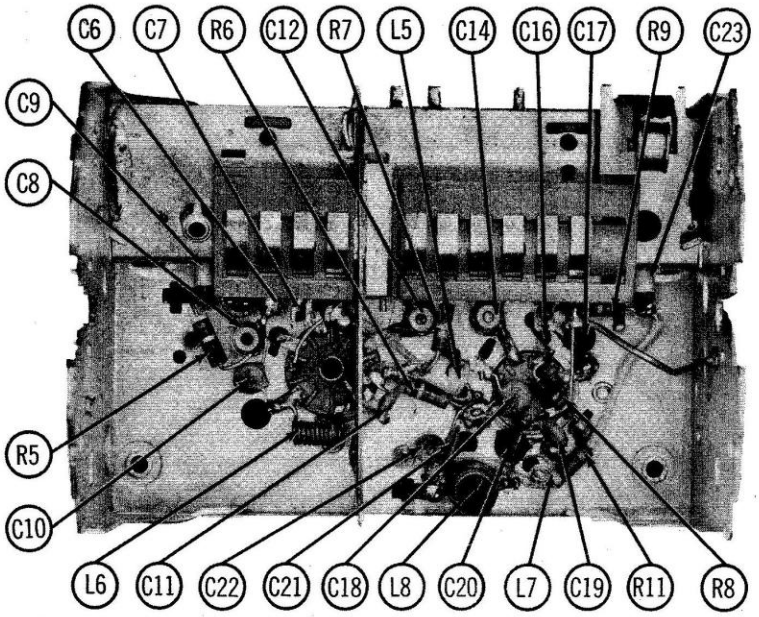
Turn the set on and tune in a TV station, preferably with a test pattern. Set the horizontal hold control to its mid-range position. Ground pin 1 (grid) of the horizontal multivibrator (V23) to chassis.

Adjust the horizontal oscillator slug (B1) until the picture is almost in sync. Remove short from pin 1 of V23 . Check pull-in action by switching off channel and back again. If necessary retouch B1 for proper pull-in action.

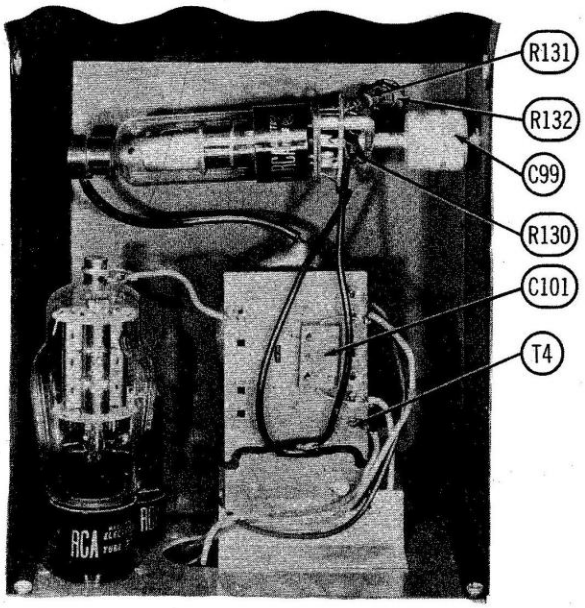
Turn the horizontal drive trimmer (B2) clockwise as far as possible without the presence of vertical white lines or compression near the center of the picture or without having the picture fall out of sync horizontally.

Adjust the width slug (B3) for a picture that is slightly wider than necessary to fill the picture mask horizontally.

Adjust the horizontal linearity slug (B4) for a picture that is symmetrical from left to right.



RF TUNER BOTTOM VIEW



HIGH VOLTAGE COMPARTMENT