

HORIZ. HOLD VERT. HOLD CONTRAST CONT. BRIGHTNESS CONT. VOL. CONT. ON OFF SW. FINE TUNING CHANNEL SELECTOR

OLYMPIC
MODEL TV-922

TRADE NAME	Olympic, Model TV-922	
MANUFACTURER	Olympic Radio and Television Corp., 3101-19 38th Ave., Long Island City, New York	
TYPE SET	Television Receiver	
TUBES	Twenty-Two	
POWER SUPPLY	105-125 Volts, 60 cycle AC.	
TUNING RANGE	Channels 2 through 13	RATING 1.94 Amps. @ 117 Volts

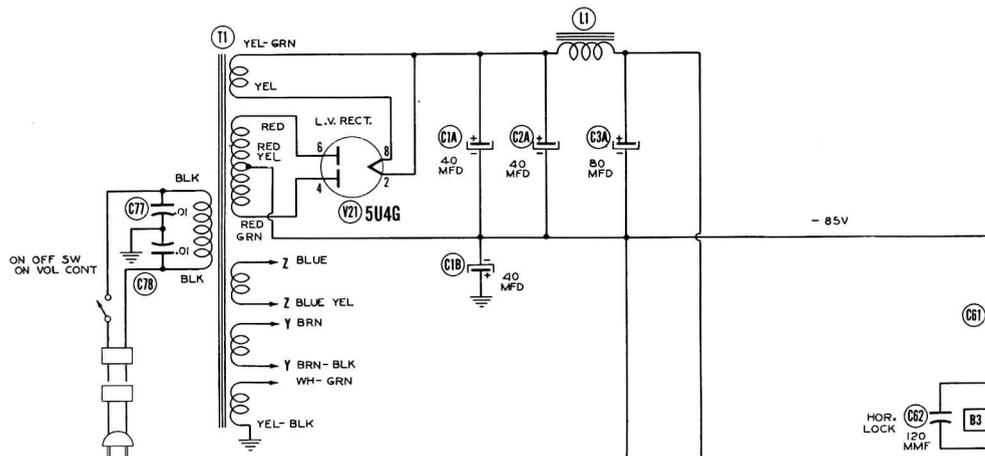
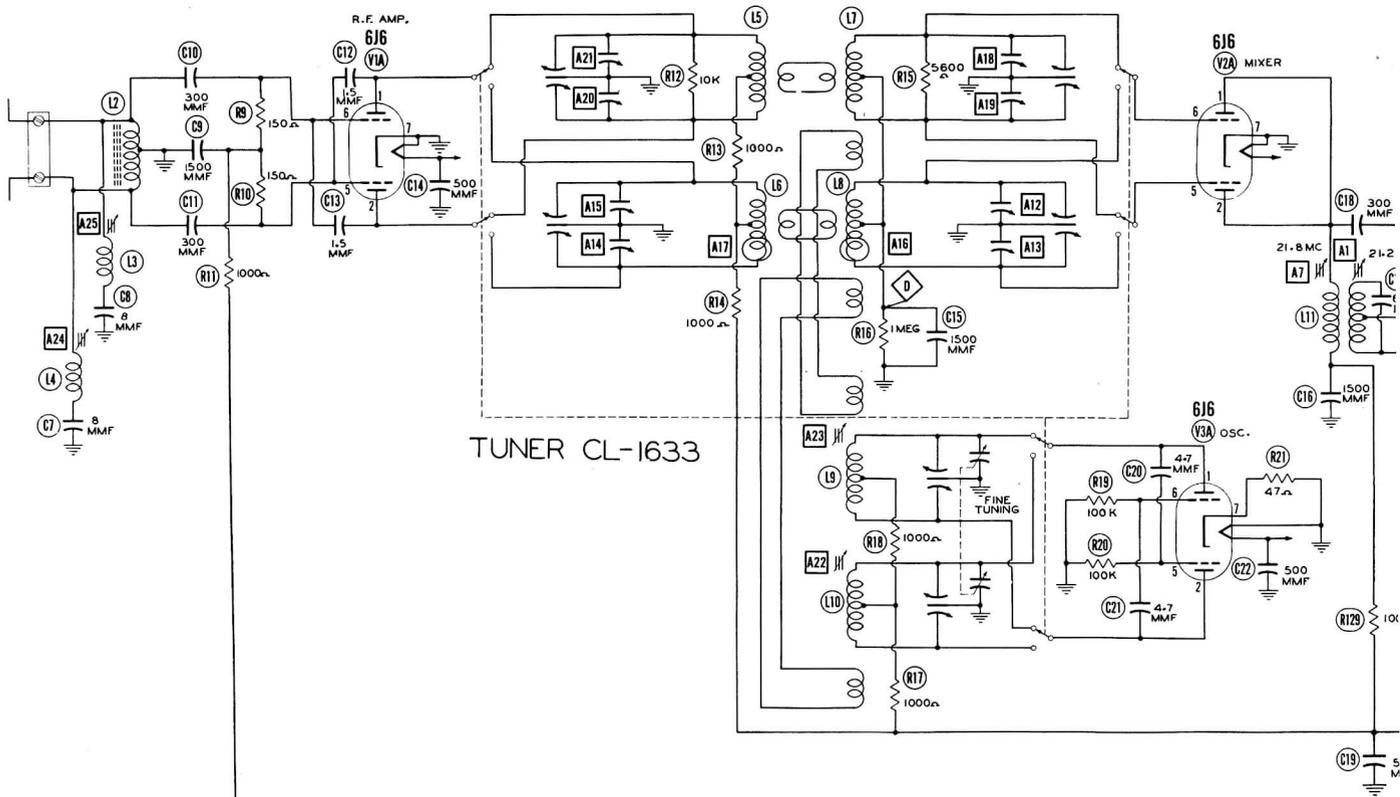
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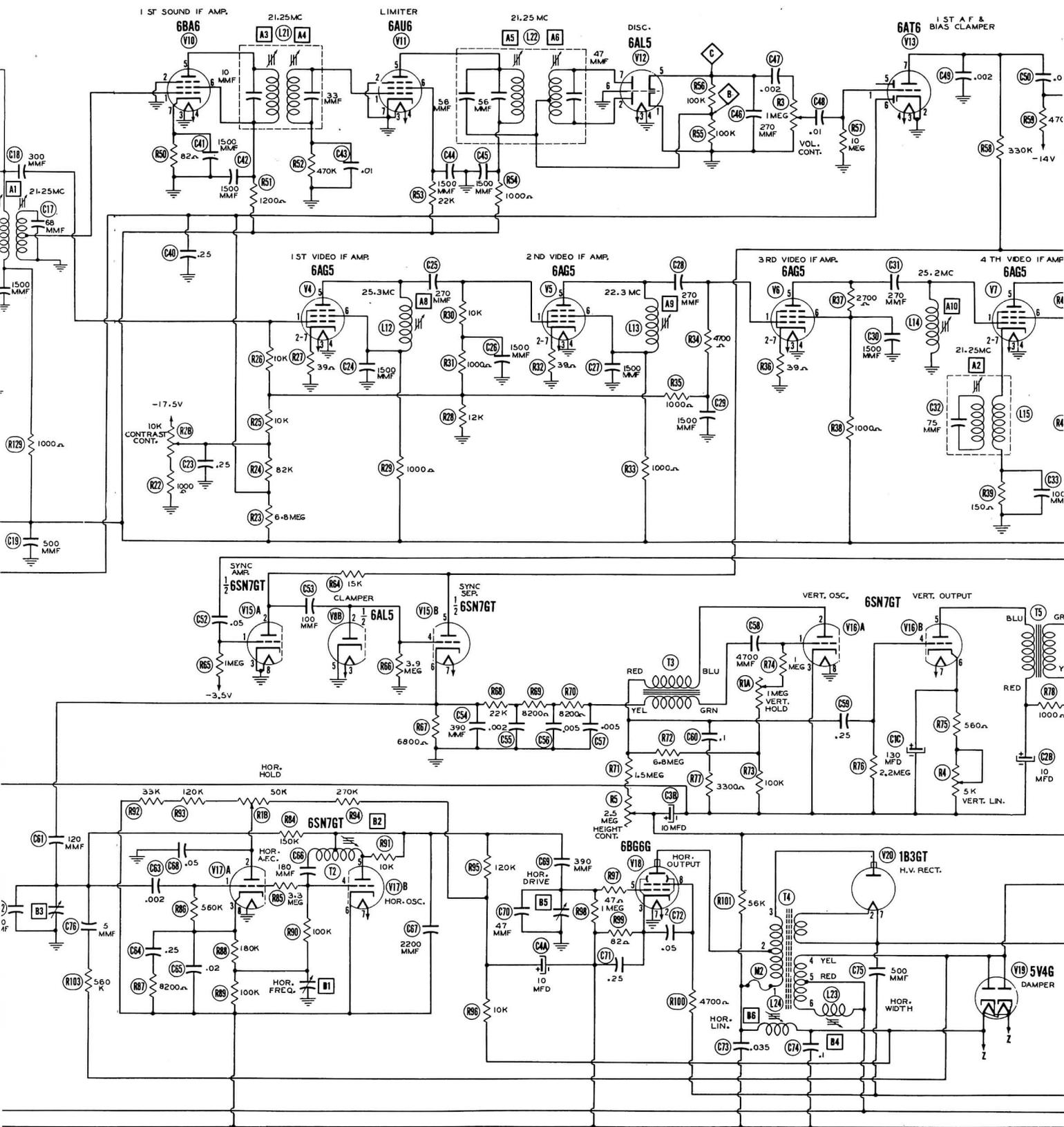
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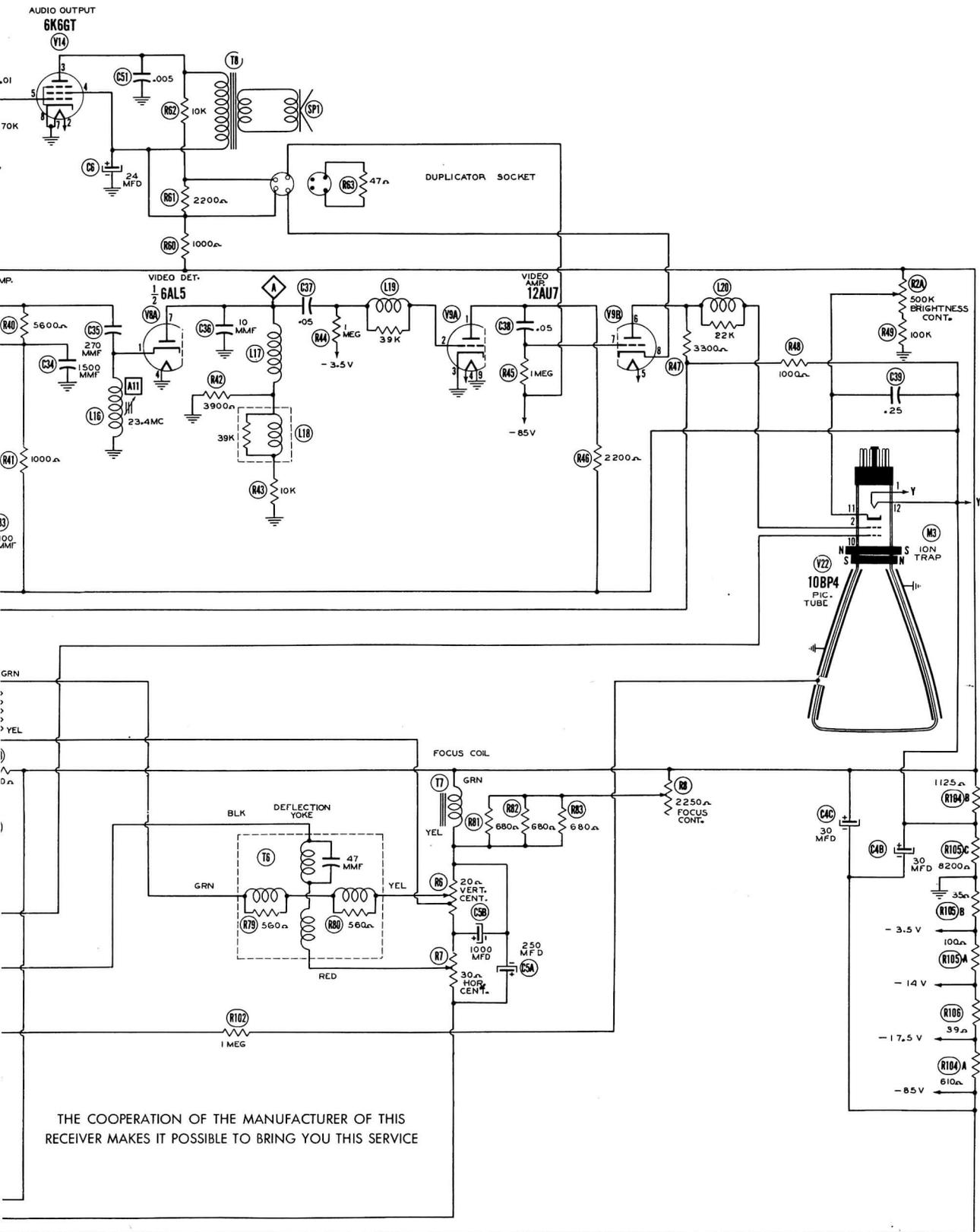
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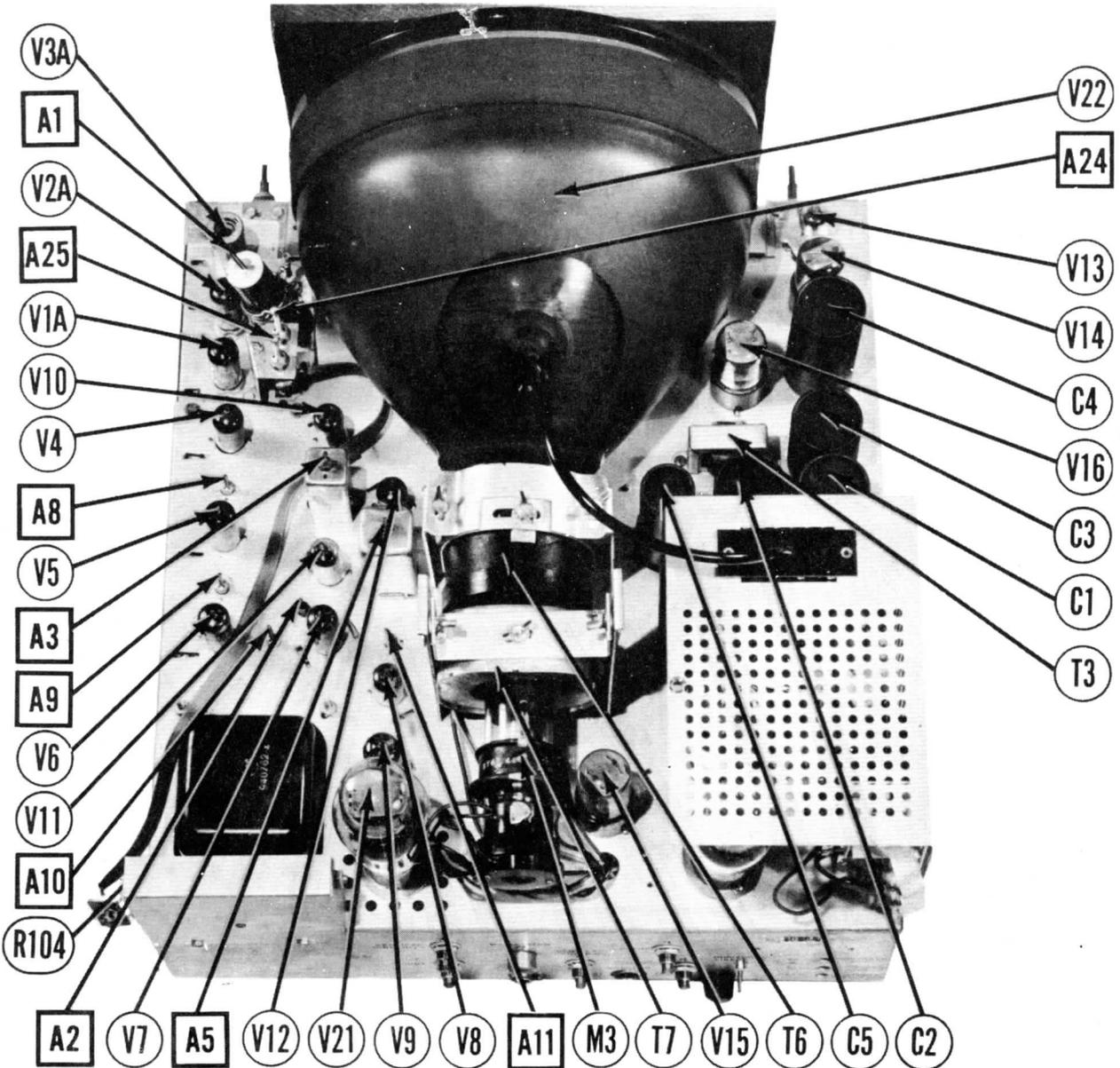
A PHOTOFAC STANDARD NOTATION SCHEMATIC
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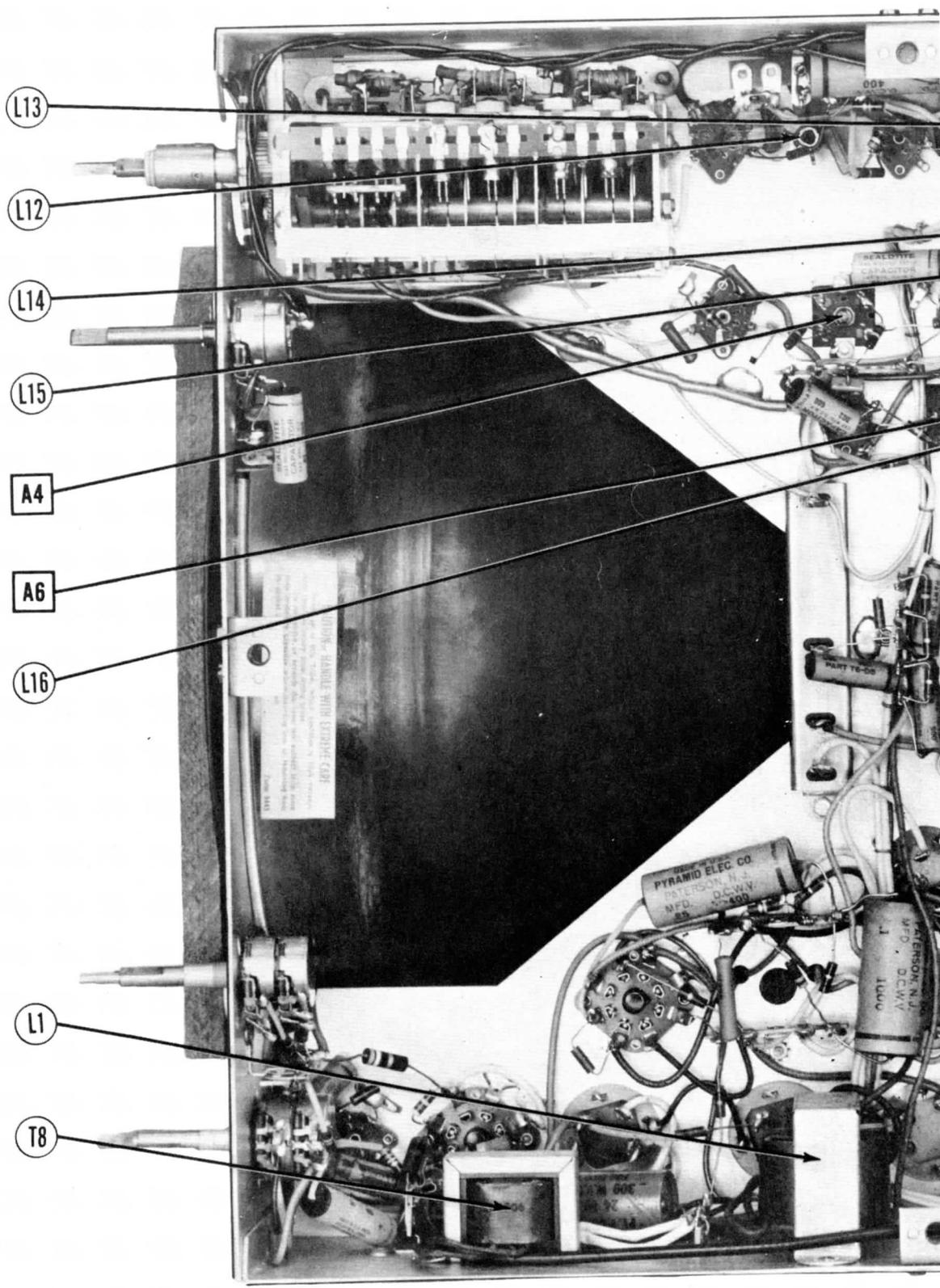


THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

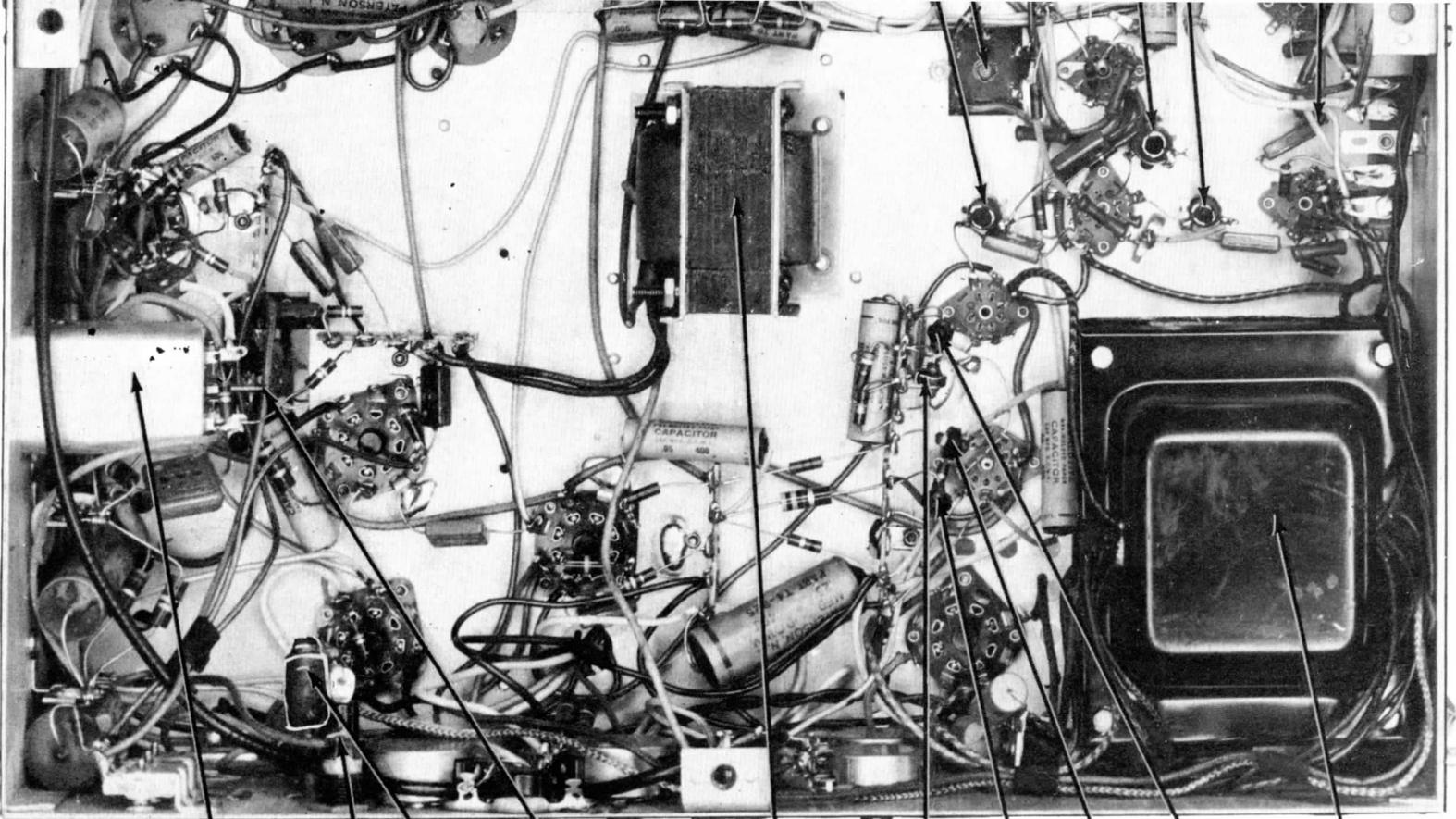
**OLYMPIC
MODEL TV-922**



CHASSIS-TOP VIEW

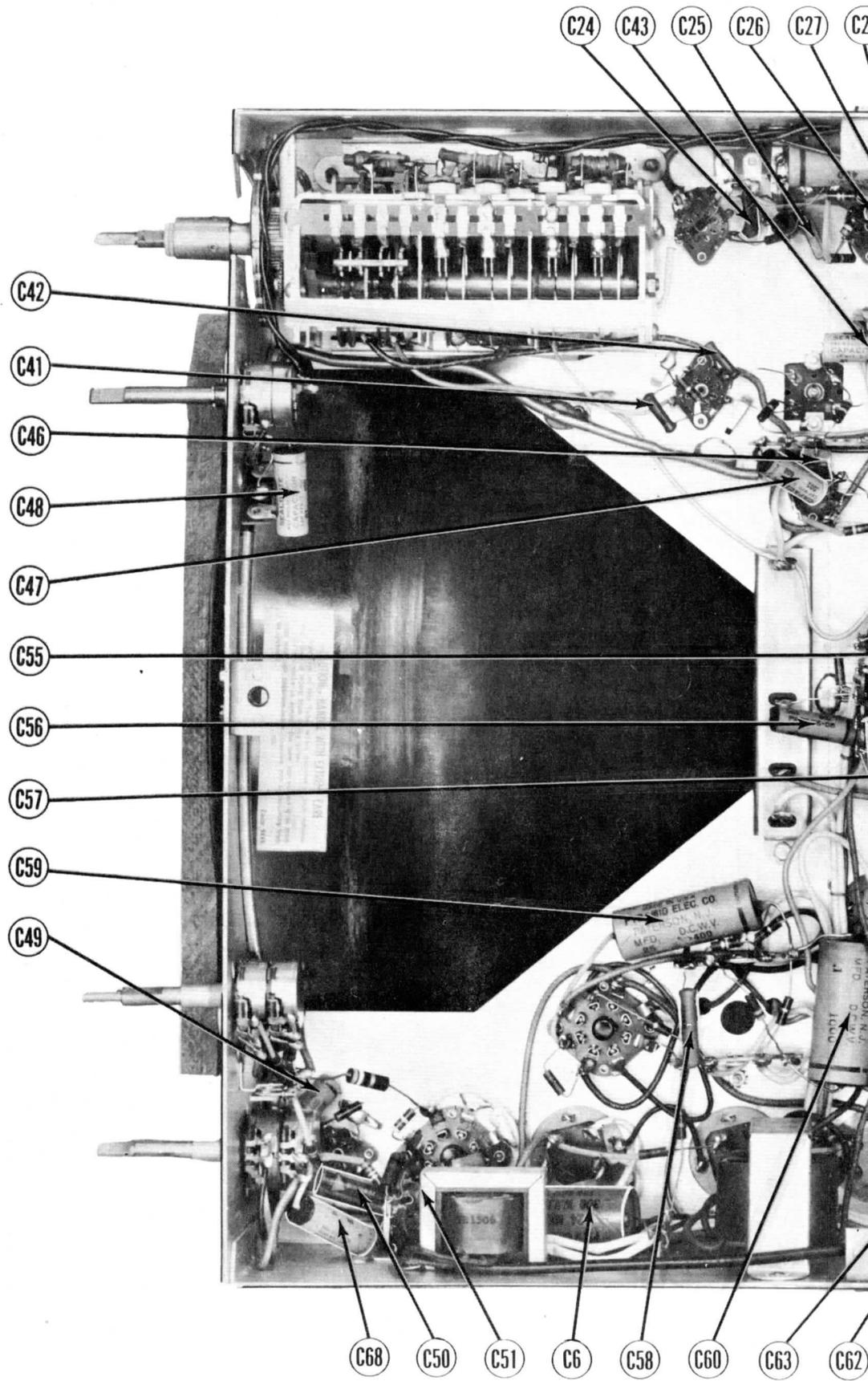


CHASSIS BOTTOM VIEW-TRANS.,INDUCT

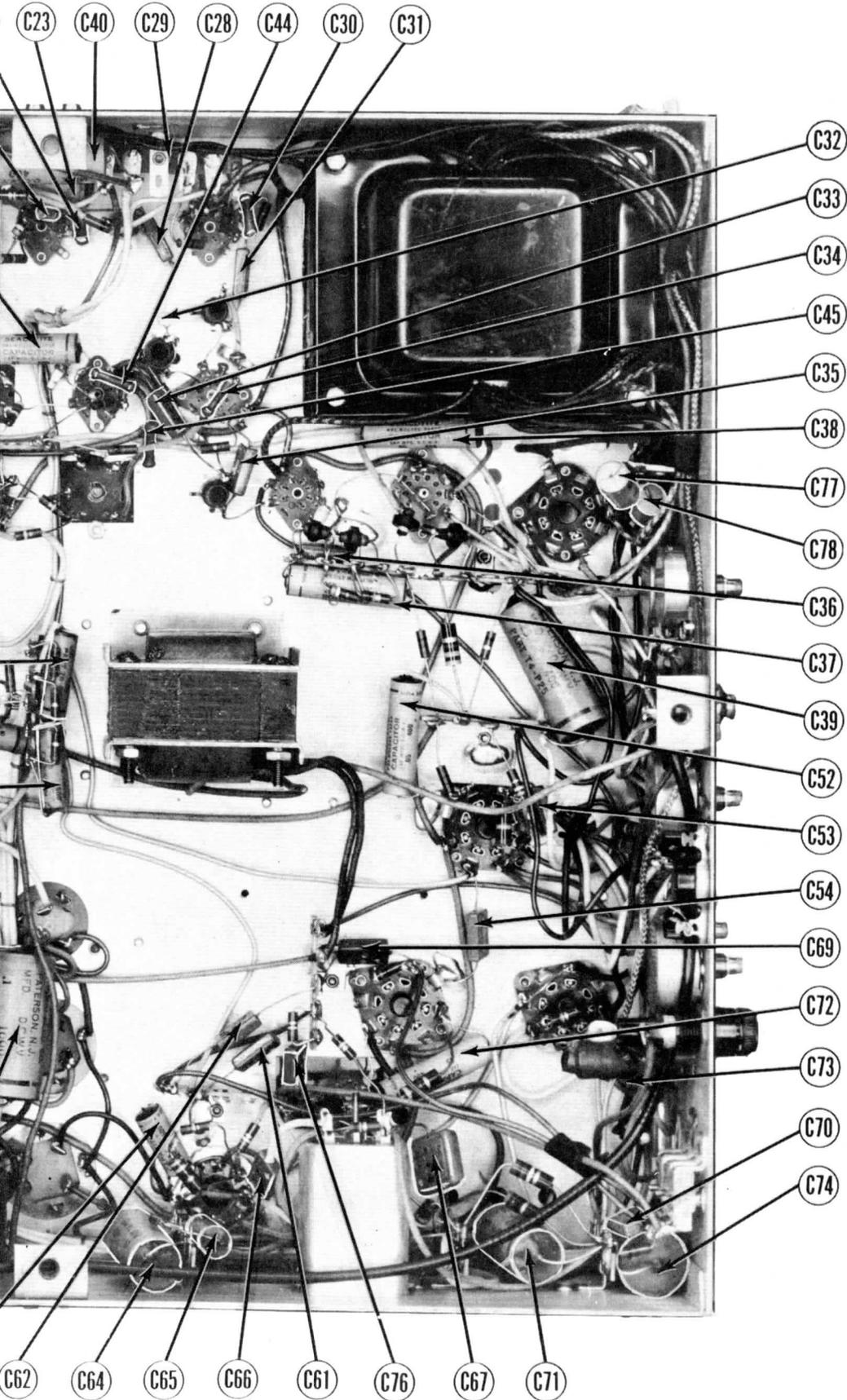


OLYMPIC
MODEL TV-922

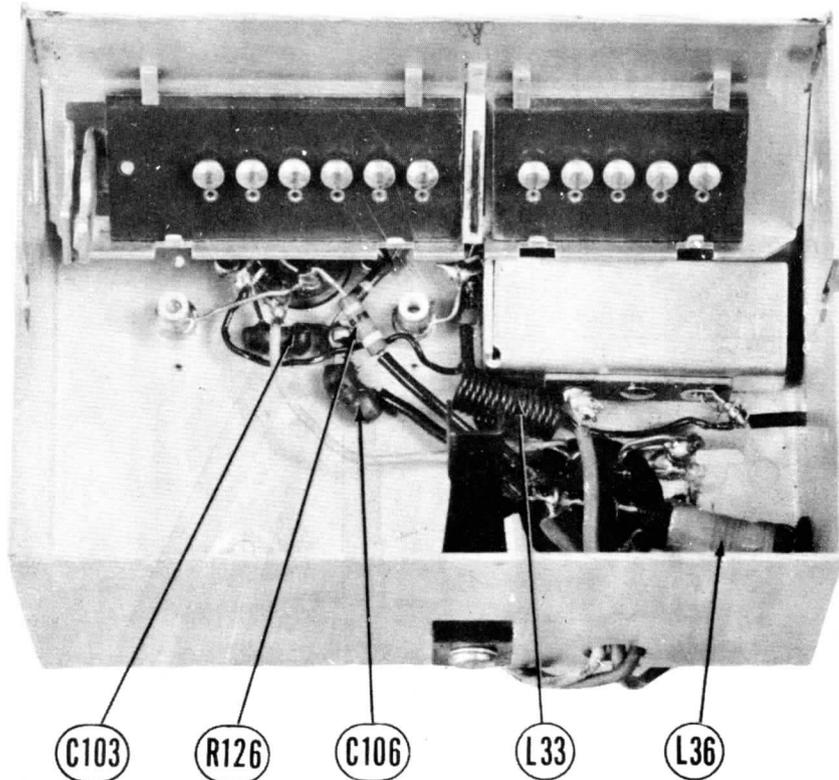
CTOR AND ALIGNMENT IDENTIFICATION



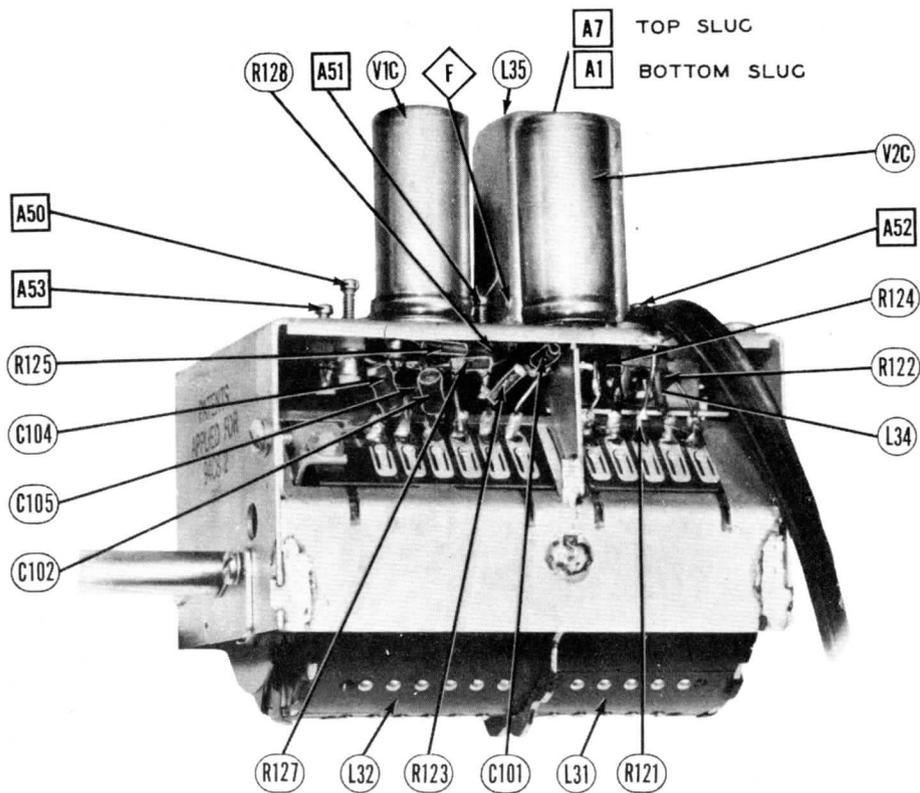
CHASSIS BOTTOM VIEW-CA



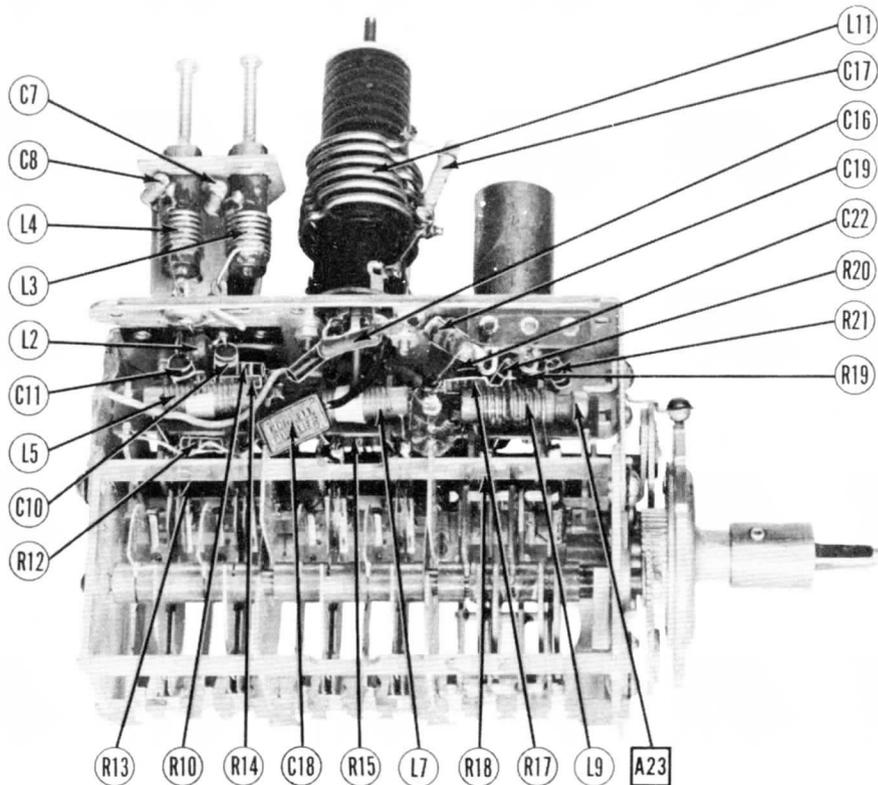
CAPACITOR IDENTIFICATION



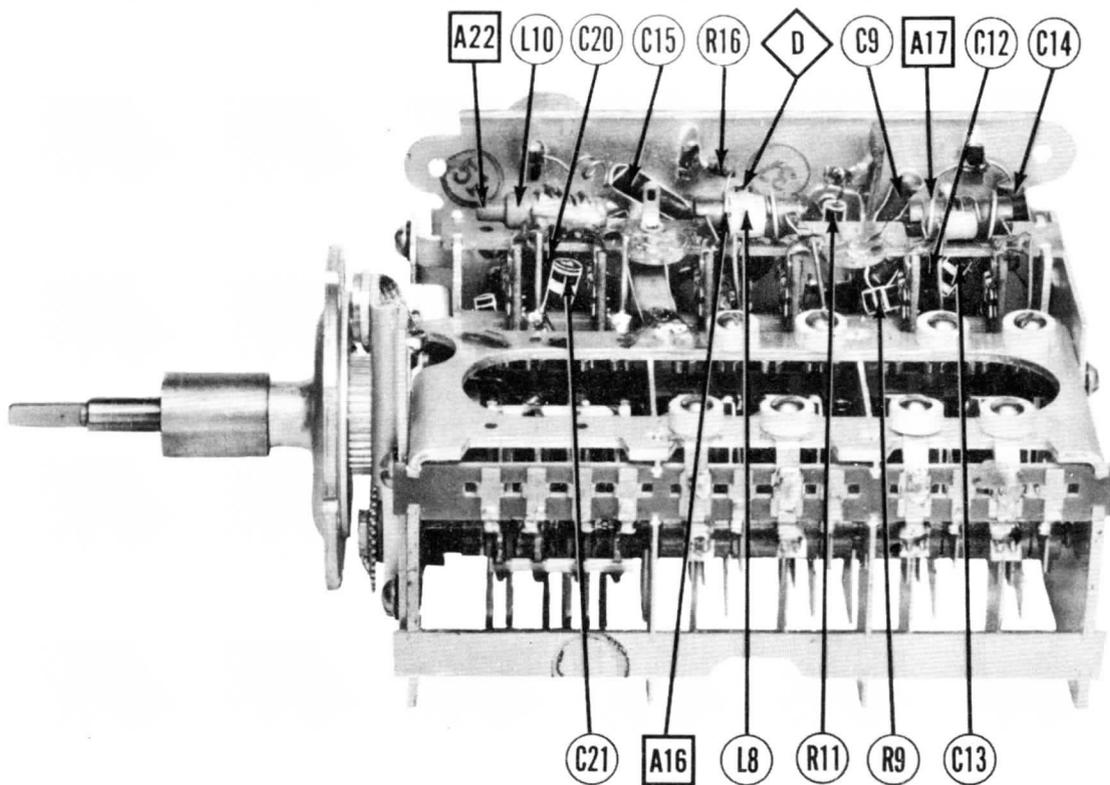
TUNER CL-1677 BOTTOM VIEW



TUNER CL-1677 RIGHT SIDE



TUNER CL-1633 LEFT SIDE



TUNER CL-1633 RIGHT SIDE

ALIGNMENT INSTRUCTIONS

SOUND TRAP & SOUND IF ALIGNMENT

Set contrast control to -3 volts. (Measure from arm of control to chassis. Leave at this setting throughout alignment) Injection of signal may be accomplished by fashioning a loop of two turns of insulated hook-up wire around the mixer tube (V2).

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1.	Loop (See Prealignment Instructions)	21.25MC (Unmod.)	9	DC Probe to point \diamond Common to chassis.	A1, A2	Adjust for minimum deflection.
2.	"	"	"	DC Probe to point \diamond Common to chassis.	A3, A4, A5	Adjust for maximum deflection. Attenuate signal generator to give approximately a 2 volt reading.
3.	"	"	"	DC Probe to point \diamond Common to chassis.	A6	Adjust for Zero Reading. A positive and negative reading will be obtained on either side of correct setting. Repeat adjustments of A5 and A6.

VIDEO IF ALIGNMENT

Remove oscillator tube V3 while aligning video IF channel.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4.	"	21.8MC (Unmod.)	9	DC Probe to point \diamond Common to chassis.	A7	Adjust for maximum deflection.
5.	"	25.3MC	"	"	A8	Adjust for maximum deflection.
6.	"	22.3MC	"	"	A9	Adjust for maximum deflection.
7.	"	25.2MC	"	"	A10	Adjust for maximum deflection.
8.	"	23.4MC	"	"	A11	Adjust for maximum deflection.

OVERALL VIDEO IF RESPONSE CHECK

Connect synchronized sweep voltage from signal generator to the horizontal amplifier of the oscilloscope.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
9.	Loop around mixer tube.	25MC (10MC Sweep)	25.75MC	9	Vert. Amp. to point \diamond Low side to chassis.	A8, A10	Slightly retouch these adjustments to place 25.75MC marker as per Fig 1.
10.	"	"	22.25MC	"	"	A7, A9, A11	Slightly retouch A7, A9 to place 22.25MC marker as per Fig 1. Adjust A11 to make flat-topped pattern. After these adjustments have been made recheck 25.75MC marker to see that it is still within 50 to 60% of the vertical height.

This receiver incorporates one of three tuners. Determine which tuner is incorporated in receiver to be aligned and follow the corresponding tuner alignment.

RF AMPLIFIER & MIXER ALIGNMENT (TUNER CL-1633)

The RF Amp. and mixer circuits are pre-aligned at factory and normally do not require adjustment. However, if tuner is definitely known to be out of align., it will be necessary to remove the tuner and use extended leads for B₊ and filament supply. Set fine tuning control to the center of its range and remove oscillator tube V3.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
11.	Two 150 Ω carbon res. Insert 150 Ω resistor in each lead and connect across Antenna terminals.	213MC (10MC Sweep)	211.25MC and 215.75MC	13	Vert. Amp. to point \diamond Low side to chassis.	A12, A13, A14, A15	Adjust for approx. response shown in Fig 2 with markers appearing more than 70% of peak amplitude. Keep RF & mixer trimmer pairs in approx. same relative position.
12.	"	177MC (10MC Sweep)	175.25MC and 179.75MC	7	"	A16, A17	Adjust rings for wave form per Fig 2
13.	"	188MC (10MC Sweep)	181.25MC and 185.75MC	8	"		Check response on all high-band channels. Slight adjustments of A12, A13, A14, A15, A16 or A17 may be required to obtain optimum response for all channels.
	"	189MC (10MC Sweep)	187.25MC and 191.75MC	9	"		
	"	195MC (10MC Sweep)	193.25MC and 197.75MC	10	"		
	"	201MC (10MC Sweep)	199.25MC and 203.75MC	11	"		
	"	207MC (10MC Sweep)	205.25MC and 209.75MC	12	"		
14.	"	85MC (10MC Sweep)	83.25MC and 87.75MC	6	"	A18, A19, A20, A21	Adjust for approx. response as per Fig 2.
15.	"	79MC (10MC Sweep)	77.25MC and 81.75MC	5	"		Check response on all low-band channel. Slight adjustments of A18, A19, A20, and A21 may be required to obtain optimum response for all channels.
	"	69MC (10MC Sweep)	67.25MC and 71.75MC	4	"		
	"	63MC (10MC Sweep)	61.25MC and 65.75MC	3	"		
	"	57MC (10MC Sweep)	55.25MC and 59.75MC	2	"		

OSCILLATOR ALIGNMENT (TUNER CL-1633)

Replace oscillator tube and recheck fine tuning to see that it is at the midpoint of its range.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS	
16	Two 150Ω carbon res.	Across Antenna Terminal.	215.75MC	13	DC Probe to point \odot Common to chassis.	A22	Adjust for maximum deflection.
17	"	"	87.75MC	6	"	A23	Adjust for maximum deflection.
18	"	"	"	"	"	"	Check to see that all other channels are received well within limits of fine tuning control. If not, compromise may be made using A22 for channels 7 thru 13 and A23 for channels 2 thru 6.

WAVE TRAP ADJUSTMENTS (TUNER CL-1633)

Wave traps A24 and A25 are used for specific types of interference and their alignment will depend upon the type encountered.
 With the receiver tuned to the channel having the interference, set fine tuning control until interference is at maximum. Adjust A24 and A25 for minimum interference in the picture and sound keeping both cores at approximately the same relative position. Turn one core 1/2 turn and adjust the other for minimum interference.

RF AMPLIFIER & MIXER ALIGNMENT (TUNER CL-1677)

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS	
11	Two 150Ω carbon res.	Across Antenna Terminals.	207MC (10MC Sweep) and 209.75MC	205.25MC and 209.75MC	12	Vert Amp thru 10KΩ to point \odot Low side to chassis.	A50, A51, A52	Adjust for flat top pattern with markers appearing as per Fig 2
12	"	"	213MC (10MC Sweep) and 201MC (10MC Sweep) and 195MC (10MC Sweep) and 189MC (10MC Sweep) and 183MC (10MC Sweep) and 177MC (10MC Sweep) and 85MC (10MC Sweep) and 79MC (10MC Sweep) and 69MC (10MC Sweep) and 63MC (10MC Sweep) and 57MC (10MC Sweep) and 59.75MC	211.25MC and 215.75MC and 199.25MC and 203.75MC and 193.25MC and 197.75MC and 187.25MC and 191.75MC and 181.25MC and 185.75MC and 179.75MC and 83.25MC and 87.75MC and 77.25MC and 81.75MC and 67.25MC and 71.75MC and 61.25MC and 65.75MC and 55.25MC	13, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2	"	"	Check markers on all channels. If maximum reception is desired for one specific channel adjust A50, A51 and A52 on that channel and then check all other channels to make certain they have not been appreciably affected.

OSCILLATOR ALIGNMENT (TUNER CL-1677)

Complete alignment of the oscillator circuit may not be necessary. This is determined by checking to see that a zero reading is obtained for each channel when the fine tuning control is turned through the midpoint of its range. (Connect signal generator and VTVM as in steps 13 and 14. Sound frequencies are listed in step 14.). If the majority of the channels seem to need oscillator alignment this sometimes may be done by one operation—step 13—by adjusting A53. It should be noted that this is an all channel adjustment and should not be adjusted for individual channels. If step 13 fails to align the oscillator circuits sufficiently, it will be necessary to adjust the oscillator coil slugs. These are accessible one channel at a time. Turn the fine tuning control to its extreme counter-clockwise position which automatically centers this control. Note that the oscillator slugs are now available one by one, as the channel switch is rotated, through the small hole in the front panel of the tuner sub-chassis. Follow step 14 for alignment frequencies.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS	
13	Direct	High side to one Ant. Terminal. Low side to chassis.	215.75MC	13	DC Probe to point \odot Common to chassis.	A53	Adjust for zero reading between positive and negative peaks.
14	"	"	209.75MC, 203.75MC, 197.75MC, 191.75MC, 185.75MC, 179.75MC, 87.75MC, 81.75MC, 71.75MC, 65.75MC, 59.75MC	12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2	"	"	

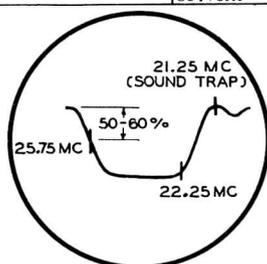


FIG. 1

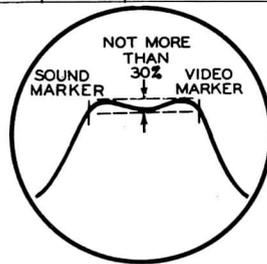


FIG. 2

**OLYMPIC
MODEL TV-922**

ALIGNMENT INSTRUCTIONS (CONT.)

RF AMPLIFIER & MIXER ALIGNMENT (TUNER CL-1428)								
DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS	
11	Two 150Ω carbon res.	Across Antenna Terminals.	213 (10MC Sweep)	211.25MC and 215.75	13	Vert. Amp. thru 10KΩ to point B. Low side to chassis.	A26, A27, A28, A29	Adjust for a approx. response pattern shown in Fig. 2 with markers appearing more than 70% of peak amplitude. The dip should not exceed 30%. Keep RF and Mixer slug pairs in approx. same relative position.
12	"	"	207 (10MC Sweep)	205.25MC and 209.75MC	12	"	"	Check response pattern for all high band channels. Slight adjustments of A26, A27, A28, and A29 may be required to obtain optimum response for all channels.
			201 (10MC Sweep)	199.25MC and 203.75MC	11			
			195 (10MC Sweep)	193.25MC and 197.75MC	10			
			189 (10MC Sweep)	187.25MC and 191.75MC	9			
			183 (10MC Sweep)	181.25MC and 185.75MC	8			
			177 (10MC Sweep)	175.25MC and 179.75MC	7			
13	"	"	85MC (10MC Sweep)	83.25MC and 87.75MC	6	"	A30, A31, A32, A33	adjust for approx. response as per Fig 2. Keep slug pairs in approx. same relative position.
14	"	"	79MC (10MC Sweep)	77.25MC and 81.75MC	5			Check response in all low band channels. Slight adjustment of A30, A31, A32 and A33 may be required to give optimum response on all channels.
			69MC (10MC Sweep)	67.25MC and 71.75MC	4			
			63MC (10MC Sweep)	61.25MC and 65.75MC	3			
			57MC (10MC Sweep)	55.25MC and 59.75MC	2			

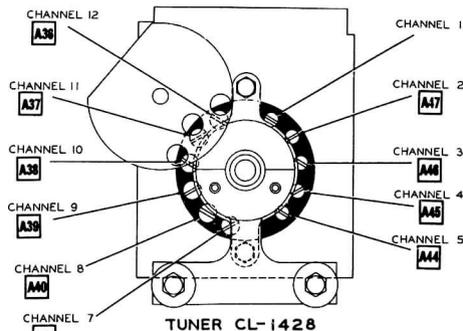
OSCILLATOR ALIGNMENT (TUNER CL-1428)

Set fine tuning control approximately 140° from its full counter-clockwise position. This aligns the holes in the drive disc with the adjustment screws on the oscillator switch wafer. Do not change this position during entire oscillator alignment.

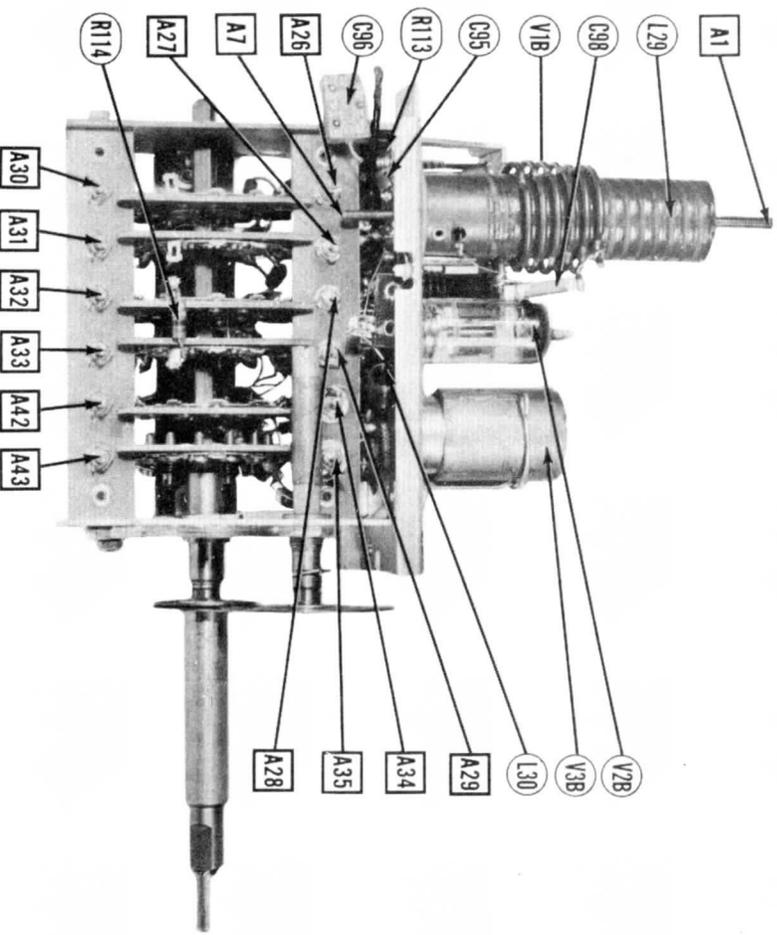
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS	
15	Two 150Ω carbon res.	Across Antenna Terminals.	215.75MC	13	DC Probe to point B. Common to chassis.	A34 or A35	Adjust for max. deflection
16	"	"	209.75MC	12	"	A36	" " " "
17	"	"	203.75MC	11	"	A37	" " " "
18	"	"	197.75MC	10	"	A38	" " " "
19	"	"	191.75MC	9	"	A39	" " " "
20	"	"	185.75MC	8	"	A40	" " " "
21	"	"	179.75MC	7	"	A41	" " " "
22	"	"	87.75MC	6	"	A42 or A43	" " " "
23	"	"	81.75MC	5	"	A44	" " " "
24	"	"	71.75MC	4	"	A45	" " " "
25	"	"	65.75MC	3	"	A46	" " " "
26	"	"	59.75MC	2	"	A47	" " " "

WAVE TRAP ADJUSTMENTS (TUNER CL-1428)

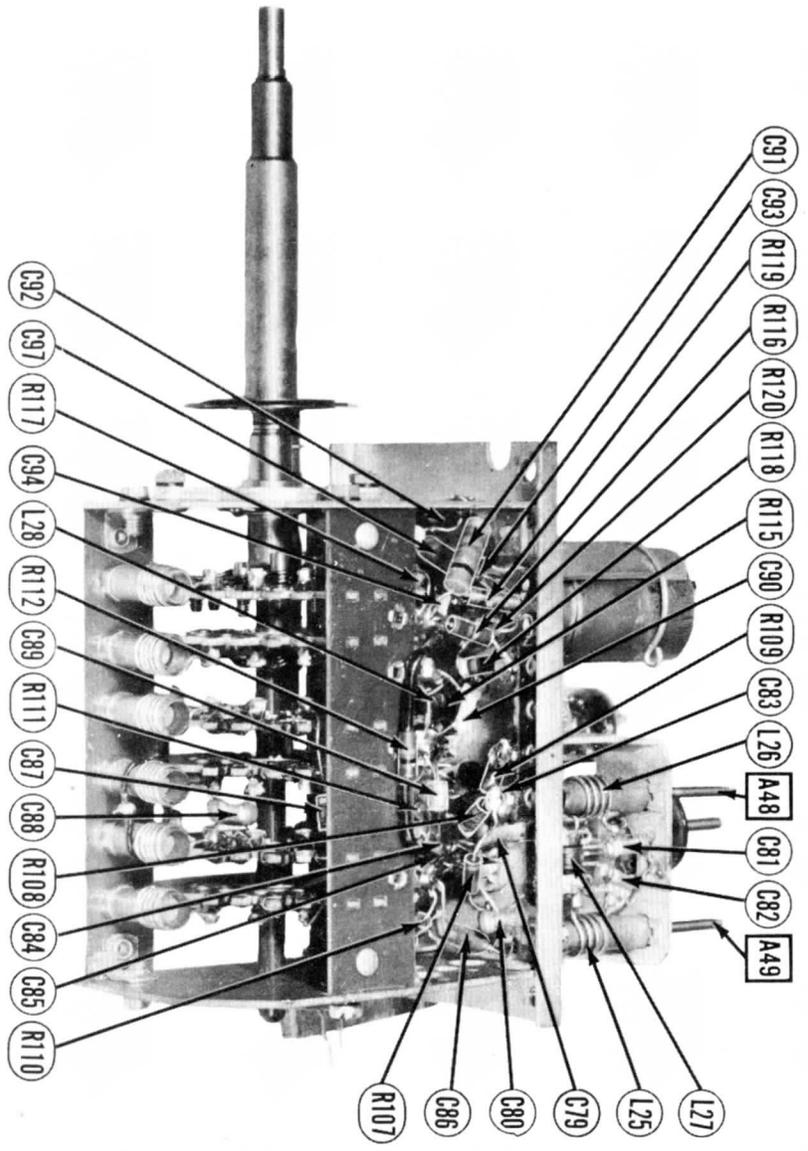
Wave traps A48 and A49 are used for specific types of interference and their alignment will depend upon the type encountered. With the receiver tuned to the channel having the interference set fine tuning control until interference is at maximum. Adjust A48 and A49 for minimum interference in the picture and sound keeping the cores at approximately the same relative position. Turn one core 1/2 turn adjust the other for minimum interference.



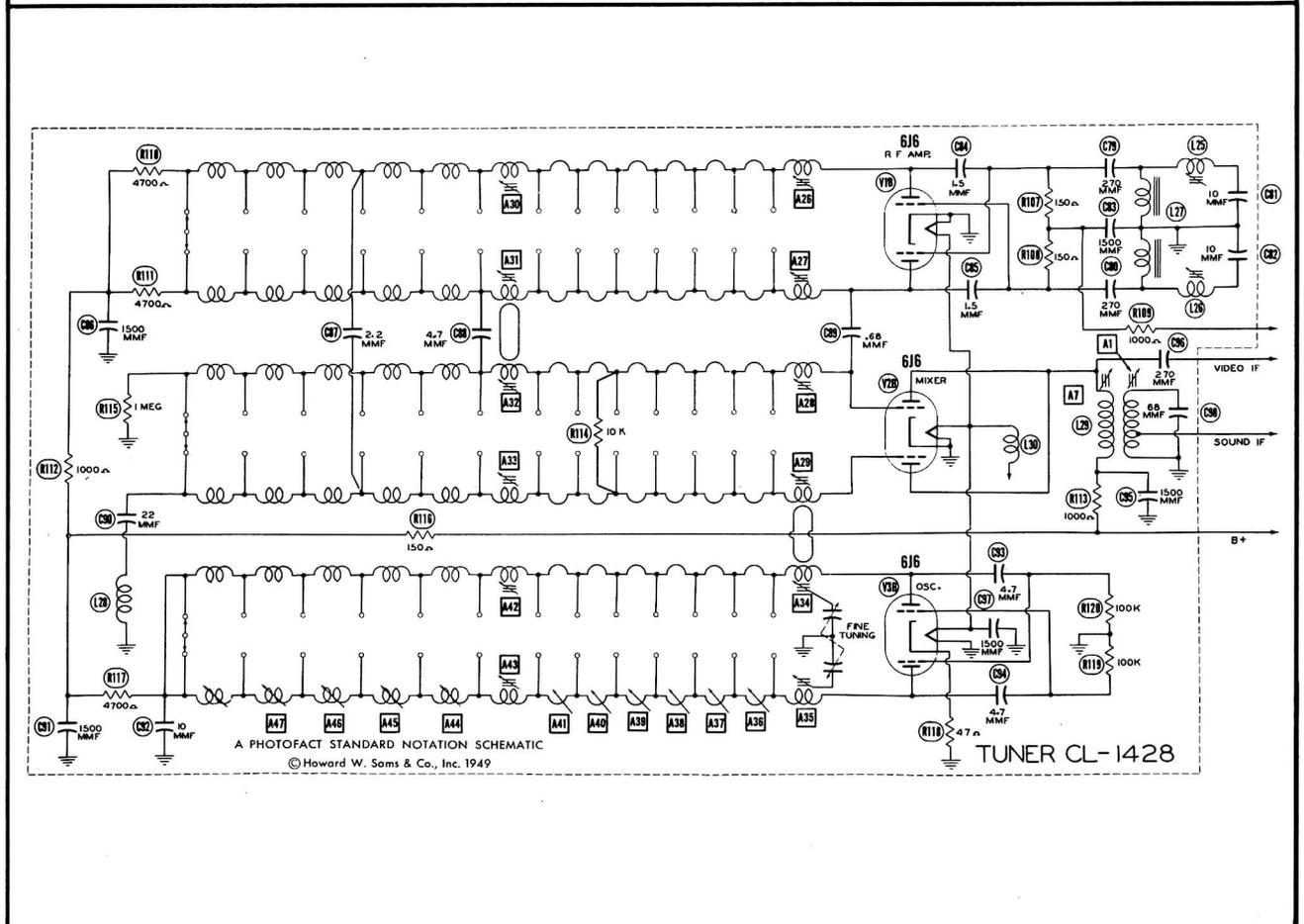
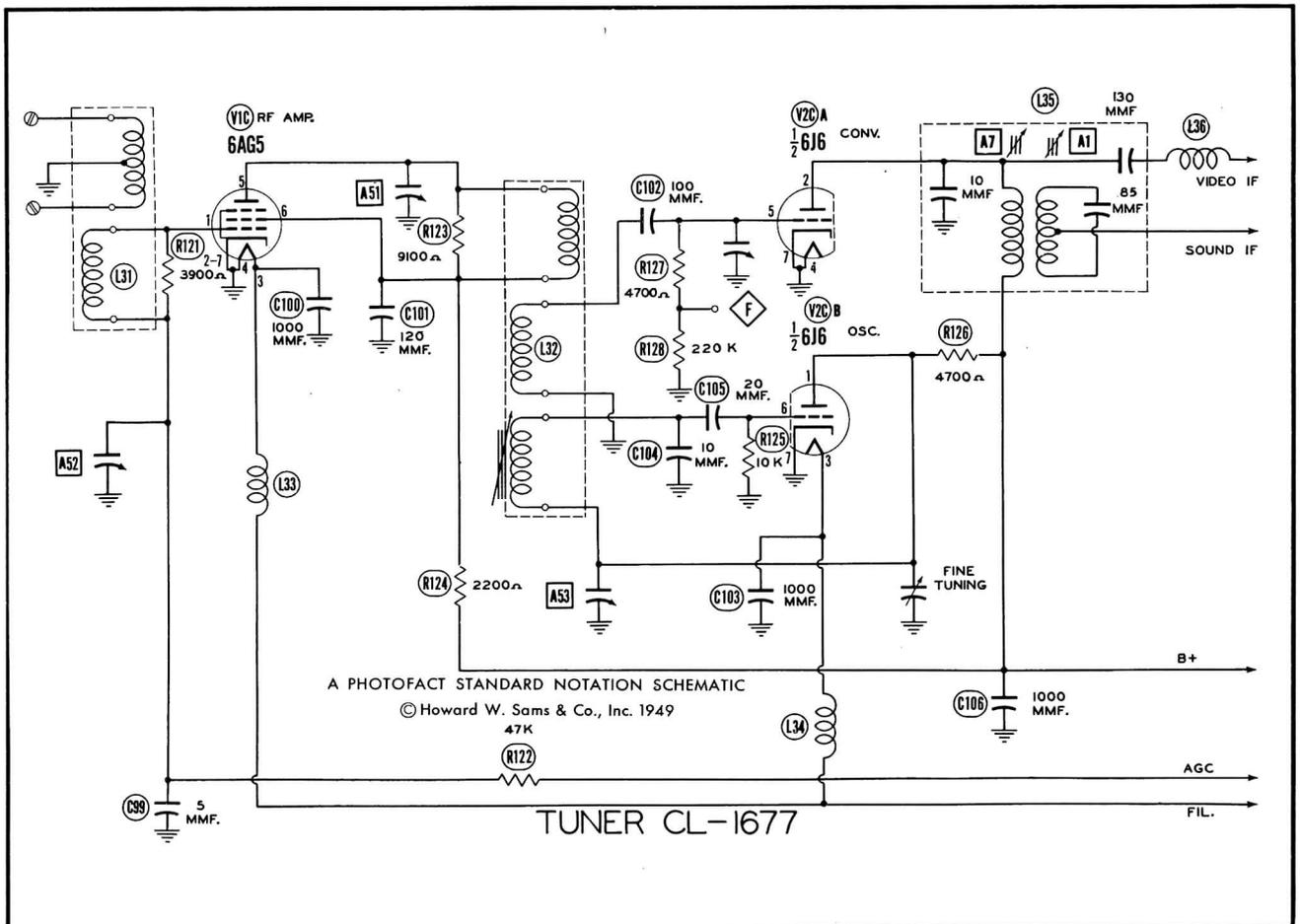
RF OSCILLATOR ALIGNMENT POINTS

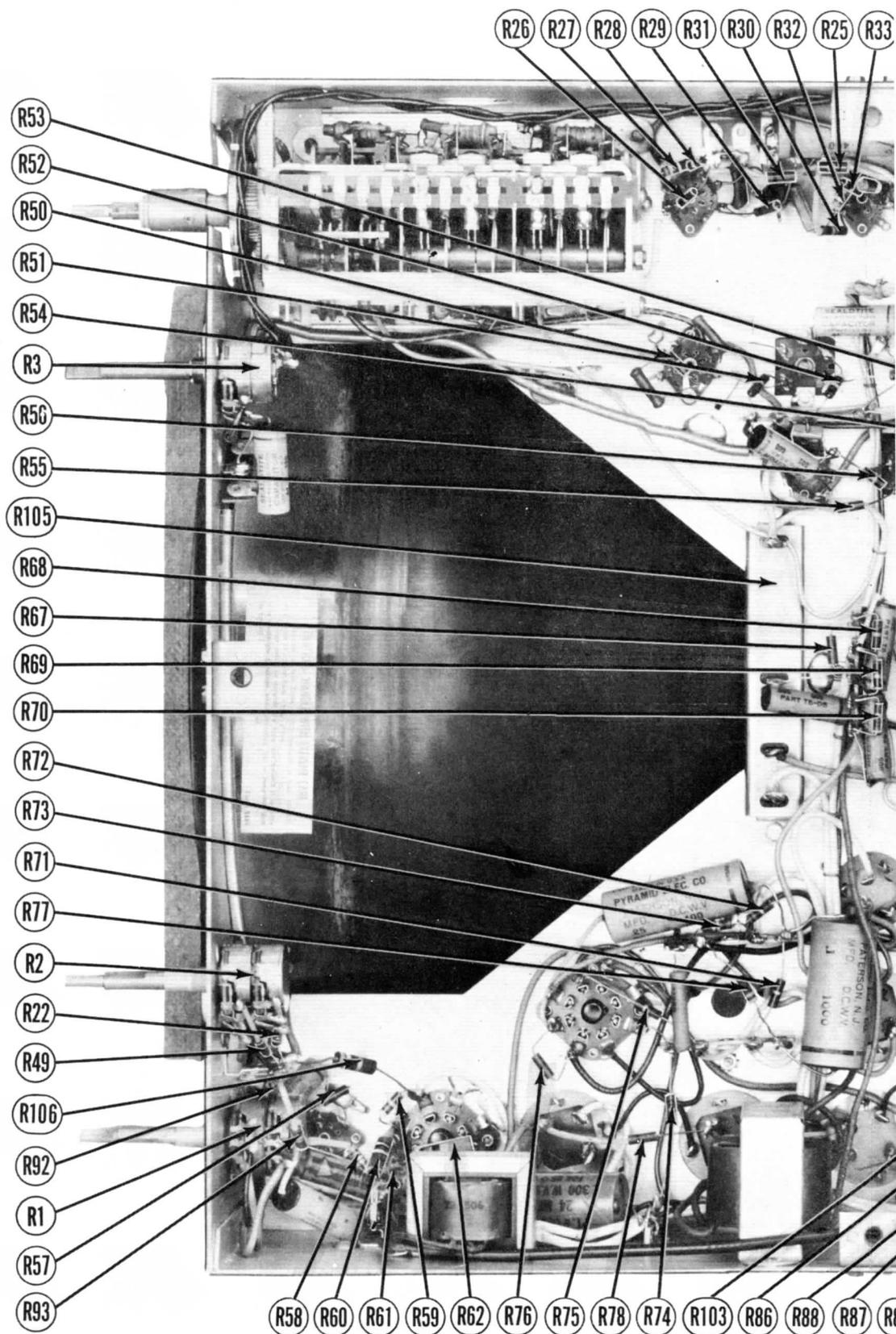


TUNER CL-1428 LEFT SIDE

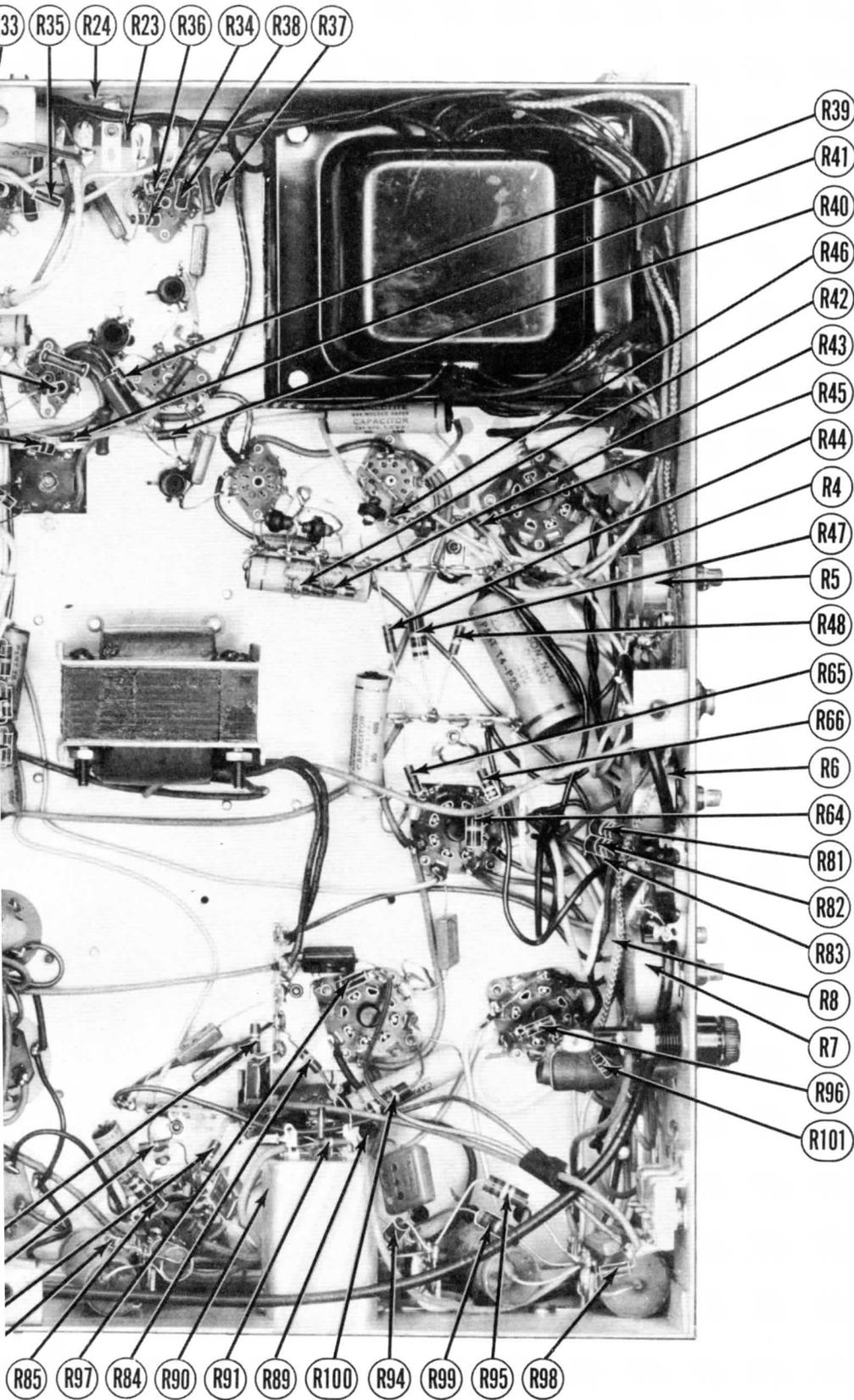


TUNER CL-1428 RIGHT SIDE

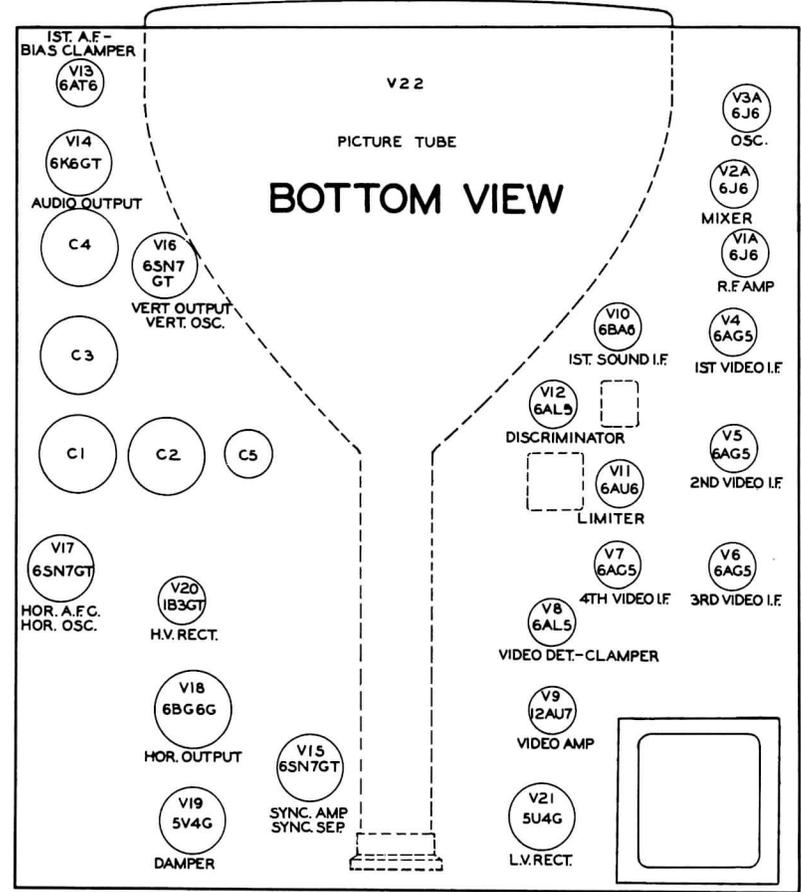
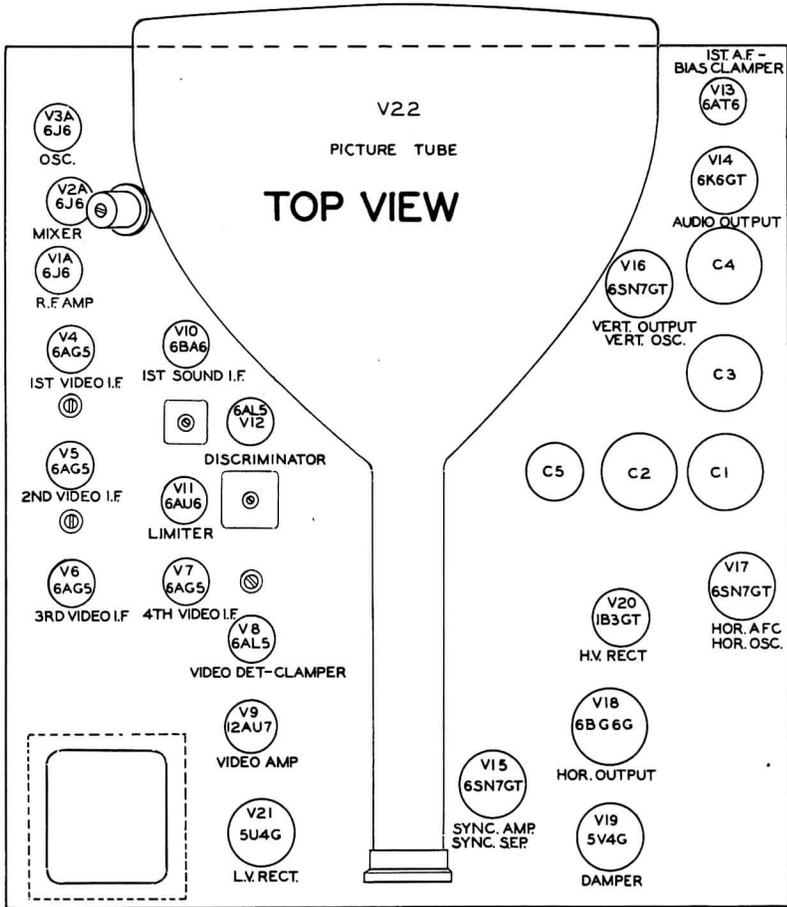




CHASSIS BOTTOM VIEW-RE



RESISTOR IDENTIFICATION



TUBE PLACEMENT CHART

VOLTAGE AND RESISTANCE MEASUREMENTS

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
V1A	6J6	93VDC	93VDC	0V	6.3VAC	-.7VDC	-.7VDC	0V		
V2A	6J6	100VDC	100VDC	6.3VAC	0V	1.8VDC	-2.2VDC	0V		
V3A	6J6	90VDC	90VDC	0V	6.3VAC	\$.3VDC	\$.4.5VDC	.3VDC		
V4	6AG5	-.8VDC	.2VDC	6.3VAC	0V	100VDC	100VDC	.2VDC		
V5	6AG5	-.8VDC	.2VDC	6.3VAC	0V	100VDC	100VDC	.2VDC		
V6A	6AG5	-.8VDC	.2VDC	6.3VAC	0V	85VDC	100VDC	.2VDC		
V7A	6AG5	0V	1VDC	0V	6.3VAC	60VDC	100VDC	1VDC		
V8	6AL5	0V	-5.8VDC	6.3VAC	0V	0V	0V	-4.9VDC		
V9	12AU7	100VDC	-.7VDC	0V	6.3VAC	6.3VAC	50VDC	-90VDC	-90VDC	PIN 9 0V
V10A	6BA6	0V	0V	0V	6.3VAC	90VDC	90VDC	1VDC		
V11A	6AU6	-.5VDC	0V	0V	6.3VAC	105VDC	73VDC	0V		
V12	6AL5	0V	-.4VDC	6.3VAC	0V	0V	0V	-.4VDC		
V13	6AT6	-.5VDC	0V	0V	6.3VAC	-.6VDC	-.7VDC	65VDC		
V14	6K6GT	200VDC	6.3VAC	200VDC	205VDC	-10VDC	-15VDC	0V	0V	
V15	6SN7GT	-.8VDC	150VDC	0V	-5.4VDC	225VDC	.6VDC	6.3VAC	0V	
V16	6SN7GT	-92VDC	-7VDC	-90VDC	-63VDC	225VDC	-75VDC	6.3VAC	0V	
V17	6SN7GT	-70VDC	50VDC	-85VDC	-125VDC	65VDC	-90VDC	6.3VAC	0V	
V18	6BG6G	0V	6.3VAC	-80VDC	0V	-85VDC	-85VDC	0V	172VDC	†
V19	5V4G	-90VDC	**320VDC	290VDC	260VDC	0V	260VDC	0V	**320VDC	
V20	1B3GT	†	DO NOT	MEASURE						
V21	5U4G	0V	275VDC	0V	365VAC	0V	365VAC	0V	275VDC	
V22	10BP4	†108VDC	45VDC	PIN 10 310VDC	PIN 11 58VDC	PIN 12 † 108VDC				

Note
 † Do not measure
 ** 5VAC will be measured between filament pins.
 ‡ 6.3VAC will be measured between filament pins.
 † TAKEN WITH VACUUM TUBE VOLTMETER.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
V1A	6J6	*2.5K	*2.5K	0Ω	.2Ω	80K	80K	0Ω		
V2A	6J6	*2.5K	*2.5K	.2Ω	0	1 Meg.	1 Meg.	0Ω		
V3A	6J6	*2.5K	*2.5K	0Ω	.2Ω	100K	100K	47Ω		
V4	6AG5	15K	39Ω	.2Ω	0Ω	*2.2K	*2.2K	39Ω		
V5	6AG5	16K	39Ω	.2Ω	0Ω	*2.5K	*2.5K	39Ω		
V6A	6AG5	12K	39Ω	.2Ω	0Ω	*5K	*2.5K	39Ω		
V7A	6AG5	.2Ω	150Ω	0Ω	.2Ω	*8K	*2.5K	150Ω		
V8	6AL5	.2Ω	3.9 Meg.	.2Ω	0Ω	0Ω	0Ω	2.8K		
V9	12AU7	*3.5K	1 Meg.	0Ω	.2Ω	.2Ω	*5.5K	1 Meg.	800Ω	PIN 9 0Ω
V10A	6BA6	0Ω	0Ω	0Ω	.2Ω	*2.5K	*2.5K	80Ω		
V11A	6AU6	470K	0Ω	0Ω	.2Ω	*2.2K	24K	0Ω		
V12	6AL5	200K	100K	.2Ω	0Ω	0Ω	0Ω	100K		
V13	6AT6	10 Meg.	0Ω	0Ω	.2Ω	Inf.	80K	*350K		
V14	6K6GT	20K	.2Ω	*2K	*2K	540K	130Ω	0Ω	0Ω	
V15	6SN7GT	1 Meg.	*15K	0Ω	3.9 Meg.	*1K	6K	.2Ω	0Ω	
V16	6SN7GT	1 Meg.	2.8 Meg. 1.4 Meg.	800Ω	2 Meg.	*2K	1300Ω 6.5K	.2Ω	0Ω	
V17	6SN7GT	700K	200K	280K	200K	*500K	700Ω	.2Ω	0Ω	
V18	6BG6G	Inf.	.2Ω	820Ω	Inf.	1.2 Meg	1.2 Meg	0Ω	*4.5K	*Cap 500K
V19	5V4G	700Ω	420K	420K	*65Ω	Inf.	*65Ω	Inf.	420K	Cap *500K
V20	1B3GT	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	
V21	5U4G	Inf.	9K	Inf.	800Ω	Inf.	800Ω	Inf.	9K	
V22	10BP4	8K	12K	PIN 10 420K	PIN 11 110K	PIN 12 8K				

* Measured from Pin 8 of V21

- | | |
|--|---|
| <ol style="list-style-type: none"> DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1000 ohms. Sockets connections are shown as bottom views. Measured values are from socket pin to common negative unless otherwise stated. | <ol style="list-style-type: none"> Line voltage maintained at 117 volts for voltage readings. Front panels controls set at maximum. Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given. |
|--|---|

MODEL TV-922

OLYMPIC

PARTS LIST A

CAPA

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		OLYMPIC PART No.	STANDARD REPLACEMENT		
V1A	RF Amp.	6J6	6J6	7BF	
V1B	RF Amp.	6J6	6J6	7BF	
V1C	RF Amp.	6AG5	6AG5	7BD	
V2A	Mixer	6J6	6J6	7BF	
V2B	Mixer	6J6	6J6	7BF	
V2C	Converter	6J6	6J6	7BF	
V3A	RF Osc.	6J6	6J6	7BF	
V3B	RF Osc.	6J6	6J6	7BF	
V4	1st Video IF Amp	6AG5	6AG5	7BD	
V5	2nd Video IF Amp	6AG5	6AG5	7BD	
V6A	3rd Video IF Amp	6AG5	6AG5	7BD	
V6B	3rd Video IF Amp	6AK5	6AK5	7BD	
V7A	4th Video IF Amp	6AG5	6AG5	7BD	
V7B	4th Video IF Amp	6AK5	6AK5	7BD	
V8	Video Det. - Clamper	6AL5	6AL5	6BT	
V9	Video Amp.	12AU7	12AU7	9A	
V10A	1st sound IF Amp	6BA6	6BA6	7BK	
V10B	1st sound IF Amp	6AU6	6AU6	7BK	
V11A	Limiter	6AU6	6AU6	7BK	
V11B	Limiter	6AK5	6AK5	7BK	
V11C	Limiter	6AG5	6AG5	7BD	
V12	Discriminator	6AL5	6AL5	6BT	
V13	1st AF & Bias Clamper	6AT6	6AT6	7BT	
V14	Audio Output	6K6GT	6K6GT	7S	
V15	Sync. Amp. and Sync. Sep.	6SN7GT	6SN7GT	8BD	
V16	Vert. Osc. and Vert. Output	6SN7GT	6SN7GT	8BD	
V17	Horiz. AFC and Horiz. Osc.	6SN7GT	6SN7GT	8BD	
V18	Horiz. Output	6BG6G	6BG6G	8BT	
V19	Damper	5V4G	5V4G	5L	
V20	H. V. Rectifier	1B3GT	1B3GT	3C	
V21	L. V. Rectifier	5U4G	5U4G	5T	
V22	Picture Tube	10BP4	10BP4		

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	REPLACEMENT DATA			SOLAR PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
		OLYMPIC PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.			
C1A	40	450	CO-1494				▲ Filter
C1B	40	150					■ Bias Filter
C1C	130	150					▲ Vert. Output Cath. Byp.
C2A	40	450	CO-1497				▲ Filter
C2B	10	450					▲ Vert. Output Decoup.
C3A	80	450	CO-1495	UP9B-857			▲ Filter
C3B	10	450					▲ Filter
C4A	10	450	CO-1496				▲ Filter
C4B	30	400					▲ Filter
C4C	30	300					▲ Filter
C5A	250	10	CO-1498	UP7B-808			■ Filter
C5B	1000	6					■ Hor. Cent. bypass
C6	24	300	CO-1493				▲ Ver. Cent. Bypass
C7	8		Note 1				Decoupling
C8	8						Fixed Trimmer Cer.
C9	1500						Fixed Trimmer Cer.
C10	300						Gain Filter
C11	500						Ant. Coupling
C12	1.5						Ant. Coupling
C13	1.5						Neutralizing
C14	500						Neutralizing
C15	1500						RF Fil. Bypass
C16	1500						Mixer Grid Filter
C17	68						Mixer Decoupling
C18	300	500		1468-0003	5W5T3	MO.5-33	Fixed Trimmer
C19	500			1468-0005	5W5T5	MO.5-35	Video IF Coupling
C20	4.7						Decoupling Cer.
C21	4.7						Osc. Feedback
C22	500						Osc. Fil. Bypass
C25	.25	400	CO-H-4254	P488-25	GT2P25	ST-4-25	Bias Filter
C24	1500		CCR152M	1467-0015	1W5D15	MW.5-215	1st IF Decoupling Cer.
C25	270	1000	SCM40A271K				IF Coupling
C26	1500		CCR152M	1467-0015	1W5D15	MW.5-215	2nd IF Grid Filter Cer.
C27	1500		CCR152M	1467-0015	1W5D15	MW.5-215	2nd IF Decoupling
C28	270	1000	SCM40A271K				IF Coupling
C29	1500		CCR152M	1467-0015	1W5D15	MW.5-215	3rd IF Grid Filter
C30	1500		CCR152M	1467-0015	1W5D15	MW.5-215	3rd IF Decoupling Cer.
C31	270	1000	SCM40A271K				IF Coupling ± 10%
C32	75						Fixed Trimmer Cer.
C33	100	500	RSM20A101M	1463-0001	5W5T1	MO.5-31	4th IF Cath. Bypass
C34	1500		CCR152M	1467-0015	1W5D15	MW.5-215	4th IF Decoupling Cer.
C35	270	1000	SCM40A271K				IF Coupling ± 10%
C36	10	500	RSM20A100J	1469-00001	5R5Q1	MOS.5-41	RF Bypass
C37	.05	400	CO-H-4503	P488-05	GT485	ST-4-05	Video Coupling
C38	.05	400	CO-H-4503	P488-05	GT485	ST-4-05	Video Coupling
C39	.25	400	CO-H-4254	P488-25	GT4P25	ST-4-25	Pic. Tube Cath. Bypass
C40	.25	400	CO-H-4254	P488-25	GT4P25	ST-4-25	TC-2
C41	1500		CCR-152M	1467-0015	1W5D15	MW.5-215	Bias Filter
C42	1500		CCR-152M	1467-0015	1W5D15	MW.5-215	1st S. Cath. Bypass Cer
C43	.01	600	CO-H-6103	P688-01	GT6S1	ST-6-01	1st S. Decoupling
C44	1500		CCR152M	1467-0015	1W5D15	MW.5-215	2nd S. Grid Filter
C45	1500		CCR152M	1467-0015	1W5D15	MW.5-215	2nd S. Screen Bypass Cer
C46	270	1000	SCM40A271K				2nd S. Decoupling
C47	.002	600	CO-H-6202	P688-002	GT6D2	ST-6-002	RF Bypass ± 10%
C48	.01	600	CO-H-6103	P688-01	GT6S1	ST-6-01	Audio Coupling
C49	.002	600	CO-H-6202	P688-002	GT6D2	ST-6-002	Audio Coupling
C50	.01	600	CO-H-6103	P688-01	GT6S1	ST-6-01	AF Plate Bypass
C51	.005	600	CO-H-6502	P688-005	GT6D5	ST-6-005	Audio Coupling
C52	.05	400	CO-H-4503	P488-05	GT485	ST-4-05	Output Plate Bypass
C53	100	500	RSM20A101M	1469-0001	5R5T1	MOS.5-31	Sync. Coupling

ITEM No.	RATING		REPLACEMENT DATA	
	CAP.	VOLT	OLYMPIC PART No.	AEROVOX PART No.
C54	390	1000	SCM40A391K	
C55	002	600	CO-H-6202	P688-002
C56	005	600	CO-H-6502	P688-005
C57	005	600	CO-H-6502	P688-005
C58	4700		CCR472K	
C59	.25	400	CO-H-4254	P488-25
C60	.1	1000	CO-O-X104	1084-1
C61	120	1000	SCM40A121K	
C62	120	1000	SCM40A121K	
C63	.002	600	CO-H-6202	P688-002
C64	.25	400	CO-H-4254	P488-25
C65	.02	400	CO-H-4203	P488-02
C66	180	1000	SCM40C181J	
C67	2200	1000	SCM40A222J	
C68	.05	400	CO-H-4503	P488-05
C69	390	1000	SCM40A391K	
C70	.47	500	RCM20A470K	
C71	.25	400	CO-H-4254	P488-25
C72	.05	400	CO-H-4503	P488-05
C73	.035	1000	CO-O-X353	
C74	.1	1000	CO-O-X104	1084-1
C75	500	1500	CO-1528	
C76	5	1500	CO-1542	
C77	.01	600	CO-B-6103	P688-01
C78	.01	600	CO-B-6103	P688-01
C79	270		Note 2	
C80	270			
C81	10			
C82	10			
C83	1500			
C84	1.5			
C85	1.5			
C86	1500			
C87	2.2			
C88	4.7			
C89	.68			
C90	22			
C91	1500			
C92	10			
C93	4.7			
C94	4.7			
C95	1500			
C96	270			
C97	1500			
C98	68			
C99	5		Note 3	
C100	1000			
C101	120			
C102	100			
C103	1000			
C104	10			
C105	20			
C106	1000			

* Item C32 and L15 are combined into one unit.
 Note 1. Items C7 to C22 inc. are used in I.
 Note 2. Items C79 to C98 inc. are used in I.
 Note 3. Items C99 to C106 inc. are used in I.

ITEM No.	RATING		REPLACEMENT DATA		
	RESISTANCE	WATTS	OLYMPIC PART No.	IRC PART No.	CLAR PART No.
R1A	1 Meg.	±	PT-1479		
R1E	50KΩ	±			
R2A	500KΩ	±	PT-1478		
R2B	10KΩ	±			
R3A	1 Meg.	±	PT-1477	D13-137	M-63-
R3B	Shaft		Not Req.	A	Not R
R3C	Switch		Not Req.	41	SW-A
R4A	5KΩ	±	PT-1480	D11-114	M-19-
R4B	Shaft		Not Req.	A	Not R
R5	2.5 Meg.	±	PT-1481		
R6	20Ω	2	PT-1482	W20x10	P-10-
R7	30Ω	2	PT-1483	W-30	58-30
R8	2250Ω	3	PT-1484	W-3000	58-30

ITEM No.	RATING		REPLACEMENT DATA	
	RESISTANCE	WATTS	OLYMPIC PART No.	IRC PART No.
R9	150Ω	±		
R10	150Ω	±		
R11	1000Ω	±		
R12	10KΩ	±		BTS-1000
R13	1000Ω	±		BTS-1000
R14	1000Ω	±		BTS-1000
R15	500Ω	±		BTS-5600-58
R16	1 Meg.	±		BTS-1 Meg
R17	1000Ω	±		BTS-1000
R18	1000Ω	±		BTS-1000
R19	100KΩ	±		
R20	100KΩ	±		
R21	47Ω	±		
R22	1000Ω	±	REB102K	BTS-1000
R23	6.8 Meg.	±	REB685K	BTS-6.8 Meg
R24	82KΩ	±	REB82K	BTS-82K
R25	10KΩ	±	REB10K	
R26	10K	±	REB10K	
R27	39Ω	±	REB39K	
R28	12KΩ	±	REB12K	
R29	100Ω	±	REB100M	BTS-1000
R30	100Ω	±	REB100J	
R31	10KΩ	±	REB102M	BTS-1000
R32	39Ω	±	REB39K	
R33	1000Ω	±	REB102M	BTS-1000

DESCRIPTIONS
(CONT.)

SOLAR PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
6-002	TM-22	Sync. Amp. Cath. Bypass
6-005	TM-25	Integrator Net.
6-005	TM-25	Integrator Net.
4-25	TC-2	Vert. Osc. Grid Cap. p 5% Cer
1-10-1	FX-11	Vert. Discharge
6-002	TM-22	Sync. Coupling + 10%
4-25	TM-2	Fixed Trimmer + 10%
4-02	TM-12	Differentiator Net.
4-05	TM-15	AFC Filter
4-05	TM-15	AFC Filter
4-25	TC-2	Hor. Osc. Grid Cap + 5%
4-05	TM-15	Hor. Discharge
4-05	TM-15	AFC Plate Bypass
1-10-1	FX-11	Hor. Coupling + 10%
6-01	TM-11	Fixed Trimmer + 10%
6-01	TM-11	Hor. Output Cath. Byp.
		Hor. Output Screen ydp.
		Damper Filter
		Damper Filter
		HV Filter
		AFC Feedback
		Line Filter
		Line Filter
		RF Coupling
		RF Coupling
		Fixed Trimmer
		Fixed Trimmer
		Fixed Trimmer
		Bias Filter
		Neutralizing
		Neutralizing
		RF Decoupling
		RF Coupling
		RF Coupling
		RF Coupling
		Fixed Trimmer
		Osc. Decoupling
		Fixed Trimmer
		Osc. Feedback
		Osc. Feedback
		Mixer Decoupling
		IF Coupling
		Fill. Bypass
		Fixed Trimmer
		Fixed Trimmer
		RF 11. Bypass
		RF Decoupling
		RF Coupling
		RF Coupling
		Conv. Fil. Bypass
		Osc. Feedback
		Osc. Grid Cap
		RF Bypass

ole under MFGRS part No. CL-1472
 rt No. CL-1633.
 rt No. CL-1428.
 part No. CL-1677.

INSTALLATION NOTES	
hold control	Dual Con.
hold control	Dual Con.
ness control	Dual Con.
ist control	Dual Con.
control	
to R3A Per Instructions	
to R3A Per Instructions	
Linearity control	
to R4A Per Instructions	
control	
centering control tapped @ 10%	
centering control.	
control	

IDENTIFICATION CODES	
* VALUES ARE 10% UNLESS OTHERWISE SPECIFIED	
RF Grid	
RF Grid	
Bias Network	20%
RF Coil Shunt	
RF Plate	20%
RF Plate	20%
Mixer Coil Shunt	5%
Mixer Grid	20%
Osc. Plate	20%
Osc. Grid	20%
Osc. Grid	
Osc. Cathode	
Bias Voltage Divider	5%
1st Video IF Grid	5%
1st Video IF Cathode	
Bias Voltage Divider	
1st Video IF Decoupling	20%
2nd Video IF Grid	5%
Bias Network	20%
2nd Video IF Cathode	
2nd Video IF Decoupling	

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES	
	RESISTANCE	WATTS	OLYMPIC PART No.	IRC PART No.		
R34	4700Ω	1/2	REB472J		Y1.-V1.-Red	3rd Video IF Grid
R35	1000Ω	1/2	REB102M	BTS-1000	Br.-Blk.-Red	Bias Network
R36	39Ω	1/2	REB390K		Or.-White-Blk.	3rd Video IF Plate
R37	2700Ω	1/2	REB272J		Br.-Blk.-Red	" " Cathode
R38	1000Ω	1/2	REB102M	BTS-1000	Br.-Blk.-Red	" " Decoupling
R39	150Ω	1/2	REB151K		Br.-Grn.-Br.	4th Video IF Cathode
R40	5600Ω	1/2	REB562J		Grn.-Blue-Red	" " Plate
R41	1000Ω	1/2	REB102M	BTS-1000	Br.-Blk.-Red	" " Decoupling
R42	3900Ω	1/2	REB392J	BTS-3900-5%	Or.-White-Red	Video Det. Load
R43	10KΩ	1/2	REB103K	BTS-10K	Br.-Blk.-Or.	Video Det. Load
R44	1Meg.	1/2	REB105M	BTS-1 Meg	Br.-Blk.-Grn.	1st Video Amp. Grid
R45	1Meg.	1/2	REB105M	BTS-1 Meg	Br.-Blk.-Grn.	2nd " " " "
R46	2200Ω	1/2	REB222K	BTS-2200	Red-Red-Red	1st Video Amp. Plate
R47	3300Ω	1/2	REC332K	BTA-3300	Or.-Or.-Red	2nd Video Amp. Plate
R48	1000Ω	1/2	REB102K	BTS-1000	Br.-Blk.-Red	2nd Video Amp. Plate
R49	100KΩ	1/2	REB104M	BTS-100K	Br.-Blk.-Y1.	Voltage Divider
R50	82Ω	1/2	REB820K		Gray-Red-Blk.	1st Sound IF Decoupling
R51	1200Ω	1/2	REB122K	BTS-1200	Br.-Red-Red	1st Sound IF Decoupling
R52	470KΩ	1/2	REB474M	BTS-470K	Y1.-V1.-Y1.	Limitter Grid
R53	22KΩ	1/2	REB223M	BTS-22K	Red-Red-Or.	Limitter Screen Decoupling
R54	1000Ω	1/2	REB102M	BTS-1000	Br.-Blk.-Red	Limitter Plate Decoupling
R55	100KΩ	1/2	REB104J	BTS-100K-5%	Br.-Blk.-Y1.	Disc. Load
R56	100KΩ	1/2	REB104J	BTS-100K-5%	Br.-Blk.-Y1.	Disc. Load
R57	10 Meg.	1/2	REB106M	BTS-10 Meg.	Br.-Blk.-Blue	1st AF Grid
R58	330KΩ	1/2	REB334K	BTS-330K	Or.-Or.-Y1.	1st AF Plate
R59	470KΩ	1/2	REB474M	BTS-470K	Y1.-V1.-Y1.	Output Grid
R60	1000Ω	1/2	REC102M	BTA-1000	Br.-Blk.-Red	Output Decoupling
R61	2200Ω	1/2	REB222M	BTS-2200	Red-Red-Red	Video Output
R62	10KΩ	1/2	REC103M	BTA-10K	Br.-Blk.-Or.	Voltage Divider
R63	47Ω	1/2	REB470M		Y1.-V1.-Blk.	Video Output Cathode
R64	15KΩ	1/2	REC153M	BTA-15K	Br.-Grn.-Or.	Sync. Amp. Plate
R65	1 Meg.	1/2	REB105M	BTS-1 Meg.	Br.-Blk.-Grn.	Sync. Amp. Grid
R66	3.9 Meg.	1/2	REB395K	BTS-3.9 Meg.	Or.-White-Grn.	Sync. Sep. Grid
R67	6800Ω	1/2	REB682M	BTS-6800	Blue-Gray-Red	Sync. Sep. Cathode
R68	22KΩ	1/2	REB223M	BTS-22K	Red-Red-Or.	Integrator Network
R69	8200Ω	1/2	REB822K	BTS-8200	Gray-Red-Red	" " " "
R70	8200Ω	1/2	REB822K	BTS-8200	Gray-Red-Red	" " " "
R71	1.5 Meg.	1/2	REB155K	BTS-1.5 Meg.	Br.-Grn.-Grn.	Voltage Divider Network
R72	6.8 Meg.	1/2	REB685K	BTS-6.8 Meg.	Blue-Gray-Grn.	" " " "
R73	100KΩ	1/2	REB104K	BTS-100K	Br.-Blk.-Y1.	" " " "
R74	1 Meg.	1/2	REB105J	BTS-1Meg-5%	Br.-Blk.-Grn.	Vert. Osc. Grid
R75	560Ω	1/2	REB561K	BTS-560	Grn.-Blue-Br.	Vert. Output Cathode
R76	2.2 Meg.	1/2	REB225M	BTS-2.2 Meg.	Red-Red-Grn.	Vert. Output Grid
R77	3300Ω	1/2	REB332M	BTS-3300	Or.-Or.-Red	Peaking
R78	1000Ω	1/2	REB102M	BTS-1000	Br.-Blk.-Red	Vert. Output Decoupling
R79	560Ω	1/2	REB561K	BTS-560	Grn.-Blue-Br.	Vert. Deflection Coil Shunt
R80	530Ω	1/2	REC531K	BTA-530	Grn.-Blue-Br.	Vert. Deflection Coil Shunt
R81	680Ω	1/2	REC681K	BTA-680	Blue-Gray-Br.	Focus Coil Shunt
R82	880Ω	1/2	REC881K	BTA-880	Blue-Gray-Br.	Focus Coil Shunt
R83	680Ω	1/2	REC681K	BTA-680	Blue-Gray-Br.	Focus Coil Shunt
R84	150KΩ	1/2	REB154K	BTS-150K	Br.-Grn.-Y1.	Voltage Divider
R85	3.3 Meg.	1/2	REB335J	BTA-3.3Meg.	Or.-Or.-Grn.	Voltage Divider
R86	560KΩ	1/2	REB564J	BTS-560K-5%	Grn.-Blue-Y1.	Horiz. AFC Grid
R87	8200Ω	1/2	REB822K	BTS-8200	Gray-Red-Red	Horiz. AFC Filter
R88	180KΩ	1/2	REB184K	BTS-180K	Br.-Gray-Y1.	Horiz. AFC Cathode
R89	100KΩ	1/2	REB104J	BTA-100K-5%	Br.-Blk.-Y1.	Horiz. AFC Cathode
R90	100KΩ	1/2	REB104J		Horiz. Osc. Grid	
R91	10KΩ	1/2	REB104K	BTS-10K	Br.-Blk.-Or.	Horiz. Osc. Coil Shunt
R92	33KΩ	1/2	REB333M	BTS-33K	Or.-Or.-Or.	Voltage Divider
R93	120KΩ	1/2	REB124K	BTS-120K	Br.-Red-Y1.	Voltage Divider
R94	270KΩ	1/2	REC274K	BTA-270K	Red-V1.-Y1.	Voltage Divider
R95	120KΩ	1/2	REC124K	BTA-120K	Br.-Red-Y1.	Horiz. Osc. Plate
R96	10KΩ	1/2	REB103K	BTS-10K	Br.-Blk.-Or.	Filter
R97	47Ω	1/2	REB470M		Y1.-V1.-Blk.	Parasitic suppressor
R98	1 Meg.	1/2	REB105M	BTS-1 Meg.	Br.-Blk.-Grn.	Horiz. Output Grid
R99	82Ω	1/2	REC820K		Gray-Red-Blk.	Horiz. Output Cathode
R100	4700Ω	1/2	REC472K	BTA-4700	Y1.-V1.-Red	Horiz. Output Screen
R101	56KΩ	1/2	REB563K	BTS-56K	Grn.-Blue-Or.	Filter
R102	1 Meg.	1/2	REC105M	BTA-1 Meg.	Br.-Blk.-Grn.	H V Filter
R103	560KΩ	1/2	REB564K	BTS-560K	Grn.-Blue-Y1.	Voltage Divider
R104A	610Ω	20	RE1505			Voltage Divider
R104B	1125Ω	20				
R105A	100Ω	2	RE1504	BT-2-100	" " " "	
R105B	35Ω	1			" " " "	
R105C	8200	1			" " " "	
R106	39Ω	1	REC390K	BW-1-39	Or.-White-Blk.	" " " "
R107	150Ω	1/2			Br.-Grn.-Br.	RF Grid
R108	150Ω	1/2			Br.-Grn.-Br.	RF Grid
R109	1000Ω	1/2		BTS-1000	Br.-Blk.-Red	Bias Filter
R110	4700Ω	1/2			Y1.-V1.-Red	RF Plate
R111	4700Ω	1/2			Y1.-V1.-Red	RF Plate
R112	1000Ω	1/2		BTS-1000	Br.-Blk.-Red	RF Decoupling
R113	1000Ω	1/2		BTS-1000	Br.-Blk.-Red	Mixer Decoupling
R114	10KΩ	1/2			Br.-Blk.-Or.	Mixer Grid Shunt
R115	1 Meg.	1/2			Br.-Blk.-Grn.	Mixer Grid
R116	150Ω	1/2			Br.-Grn.-Br.	Decoupling
R117	4700Ω	1/2			Y1.-V1.-Red	Osc. Plate
R118	47Ω	1/2			Y1.-V1.-Blk.	Osc. Cathode
R119	100KΩ	1/2			Br.-Blk.-Y1.	Osc. Grid
R120	100KΩ	1/2			Br.-Blk.-Y1.	Osc. Grid
R121	3900Ω	1/2			Or.-White-Red	RF Grid
R122	47KΩ	1/2		BTS-47K	Y1.-V1.-Or.	RF Grid
R123	9100Ω	1/2			White-Br.-Red	RF Coil Shunt
R124	2200Ω	1/2		BTS-2200	Red-Red-Red	Decoupling
R125	10KΩ	1/2			Br.-Blk.-Or.	Osc. Grid
R126	4700Ω	1/2			Y1.-V1.-Red	Osc. Plate Load
R127	4700Ω	1/2			Y1.-V1.-Red	Mixer Grid
R128	220KΩ	1/2			Red-Red-Y1.	Mixer Grid
R129	1000Ω	1/2		BTS-1000	Br.-Blk.-Red	Mixer Decoupling

Items R9 thru R21 and R129 used in tuner CL1633
 Items R107 thru R120 used in tuner CL1428
 Items R121 thru R128 used in tuner CL1677

OLYMPIC
MODEL TV-922

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
					OLYMPIC PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.
	PRI.	SEC. 1	SEC. 2	SEC. 3				
T1	117VAC @ 1.94A	720VAC CT 250VDC	5VAC @ 3A	5VAC @ 2A	TR-1474	P-8153		P-3059†

† Drill new mounting holes.

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
			OLYMPIC PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.	
	PRI.	SEC.					
T2	110Ω TAP @ 30Ω		TR-1475				Hor. Osc. Trans.
T3	160Ω	850Ω	TR-1473	A-8111	TV-24A88	A-3000	Vert. blocking Osc. Trans.
T4	300Ω TAP @ 130Ω	Sec. 1 0Ω Sec. 2 7.5TAP @ .5Ω	TR-1492				Hor. output and HF Osc. Trans.
T5	530Ω	5.5Ω	TR-1343	A-8115	TV-24S86	A-3035	Vert. Output Trans.
T6A	12Ω		CL-1356	DY-1			Hor. Deflection Yoke
T6B	5Ω						Vert. Deflection Yoke
T7	350Ω		CL-1543	FC-10			Focus coil

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	DC RESISTANCE		DC RES.		OLYMPIC PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.	
	PRI.	SEC.	PRI.	SEC.					
T8	6200Ω	3.7Ω	275Ω	.36Ω	TR-1506	A-3878	T22S47	A-2931	

SPEAKER

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	OLYMPIC PART No.	JENSEN PART No.	QUAM PART No.	
SP1	PM	3.7Ω	SK-1521		46A1	
SP2	CONE DIA. 4" x 6"	V. C. DIA. 9/16"				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (10 CURRENT 1000 ~)	OLYMPIC PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.	
L1	.250A	62Ω	2.6H	CK-1346	C-2325		C-2991§	§ Drill one new mounting hole.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
				OLYMPIC PART No.	MEISSNER PART No.	
		PRI.	SEC.			
L2	Ant. Input Coil.	.2ΩCT				Used on tuner #CL-1633
L3	Interference trap coil.	0Ω				Used on tuner #CL-1633
L4	Interference trap coil.	0Ω				Used on tuner #CL-1633
L5	RF Coil-LF	0Ω				" " " "
L6	RF Coil-HF	0Ω				" " " "
L7	Mixer-LF	0Ω				" " " "
L8	Mixer-HF	0Ω				" " " "
L9	Osc. Coil LF	0Ω				" " " "
L10	Osc. Coil HF	0Ω				" " " "
L11	1st IF Coil	0Ω				" " " "
L12	1st Video IF	.3Ω		CL-1471		
L13	2nd Video IF	.3Ω		CL-1471		
L14	3rd Video IF	.3Ω		CL-1471		
L15	Sound IF trap	.1Ω	.1Ω	CL-1472		
L16	4th Video IF	.3Ω		CL-1471		
L17	Peaking Coil	2.5Ω		CL-1535		36 Microhenrys

PARTS LIST AND DESCRIPTIONS (Continued)

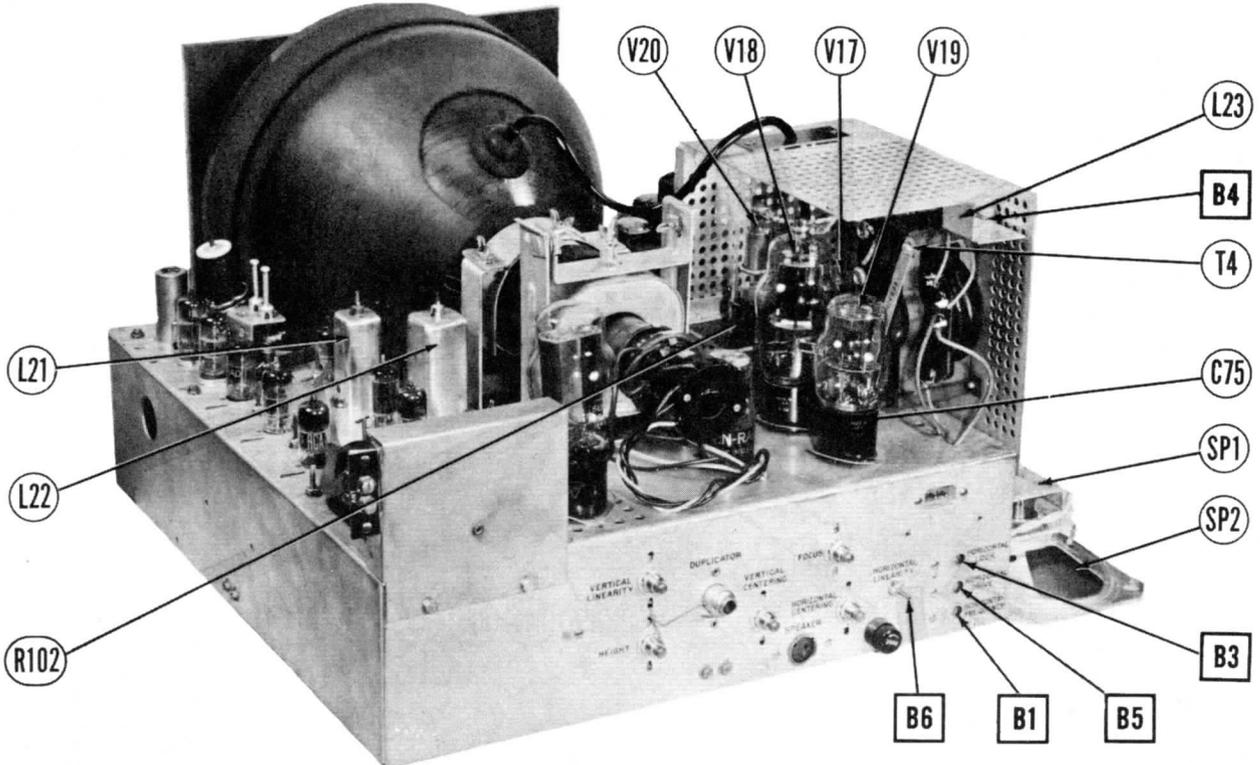
COILS (CONT.)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	OLYMPIC	MEISSNER	
				PART No.	PART No.	
L18	Peaking Coil	6Ω		CL-1537		180 Microhenrys, wound on 39KΩ resistor.
L19	Peaking Coil	6Ω		CL-1537		" " " " " "
L20	Peaking Coil	5Ω		CL-1536		120 Microhenrys, wound on 22KΩ resistor.
L21	1st sound IF	.2Ω	.2Ω	TR-1470		
L22	Sound disc. XFMR.	.2Ω	.2Ω	TR-1469		
L23	Width control	.4Ω		CL-1502		
L24	Hor. Linearity control.	35Ω		CL-1503		
L25	Interference trap coil.	0Ω				Used on tuner #CL-1428
L26	Interference trap coil.	0Ω				Used on tuner #CL-1428
L27	Ant. Input coil.	.2ΩCT				" " " "
L28	IF trap coil.	0Ω				" " " "
L29	IF XFMR	0Ω	0Ω			" " " "
L30	Fil. choke	0Ω				" " " "
L31	RF section					Used on tuner #CL-1677
L32	Osc. section.					" " " "
L33	Fil. choke	0Ω				" " " "
L34	Fil. choke	0Ω				" " " "
L35	IF XFMR	0Ω	0Ω			" " " "
L36	IF grid coil	0Ω				Used on tuner #CL-1677 10.9 Microhenrys

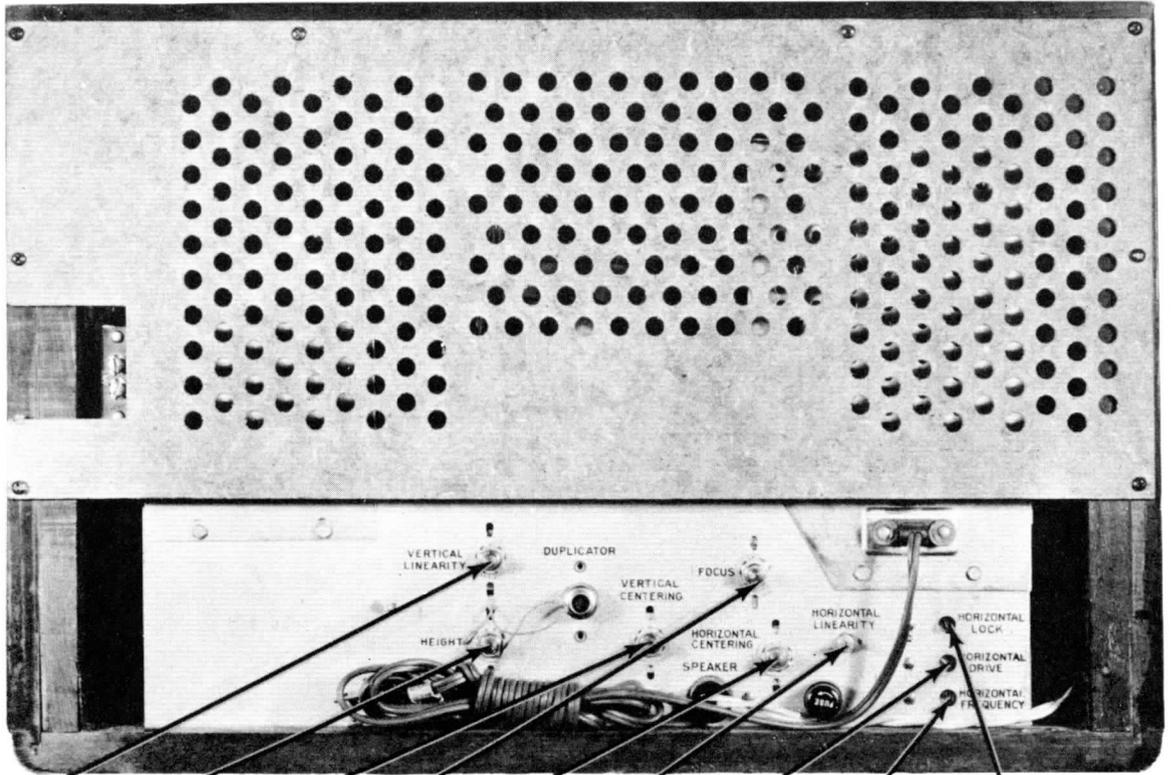
MISCELLANEOUS

ITEM No.	PART NAME	OLYMPIC PART No.	NOTES
M1A	Tuner Assy.	CL-1633	
M1B	Tuner Assy.	CL-1428	
M1C	Tuner Assy.	CL-1677	
M2	Fuse	FU-1526	
M3	Ion Trap-PM 2nd Anode Connector Assembly	PP-1347	
	Safety Glass	PP-1348	
	Escutcheon	PP-1527	Used with tuner #CL-1428
	Plastic Dial	ES-1522	Used with tuner #CL-1633
	Cabinet	DL-1647	
	Knob	CA-1467	
	Knob	KN-1516	Outer-Mahogany
	Knob	KN-1517	Inner-Mahogany
	Knob	KN-1518	Volume-Mahogany
	Knob	KN-1586	Outer-Tan
	Knob	KN-1587	Inner-Tan
	Knob	KN-1588	Volume-Tan
	Line cord	LC-1523	With inter lock socket

OLYMPIC
MODEL TV-922

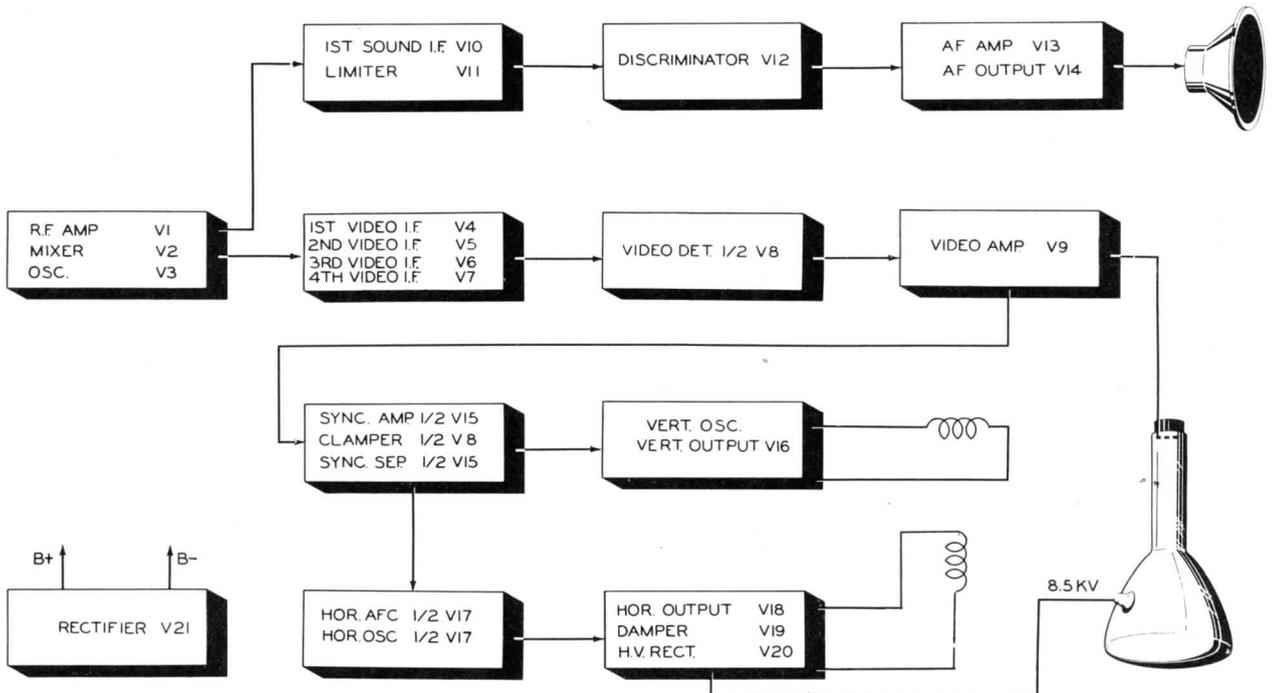


CHASSIS TOP VIEW



VERT. LIN. HEIGHT CONT. VERT. CONT. FOCUS CONT. HORIZ. CENT. HORIZ. LIN. HORIZ. DRIVE HORIZ. FREQ. HORIZ. LOCK

CABINET-REAR VIEW



BLOCK DIAGRAM

HORIZONTAL OSC. AND LINEARITY ADJUSTMENTS

HORIZONTAL OSCILLATOR ALIGNMENT CHECK:

Tune in test pattern and turn horizontal hold control to extreme counter-clockwise position. Picture should remain in synchronization. Turn channel switch to another channel and then back to the original channel. Normally, the picture should be out of synchronization. Turn the control clockwise and the picture should slowly begin to synchronize and finally lock-in. This should occur when the control is approximately 90° from the extreme counter-clockwise position. The picture should remain in synchronization for another 90° in the clockwise direction of the control. At the extreme clockwise position the picture should again drop out of synchronization and $3\frac{1}{2}$ to $4\frac{1}{2}$ bars should be seen sloping downward to the right. If the receiver fails to hold synchronization during this check with the hold control at the extreme counter-clockwise position or fails to hold synchronization for at least 60° in the clockwise direction from the point when it drops into "sync." it will be necessary to align the horizontal oscillator circuit as follows:

(A) HORIZONTAL OSCILLATOR ALIGNMENT:

Turn horizontal hold control to extreme clockwise position. Tune in test pattern and adjust trimmer B1 until picture is out of sync. and shows $3\frac{1}{2}$ to $4\frac{1}{2}$ bars sloping downward to the right. If the trimmer has insufficient range, set it to its mid-position (one turn from tight) and adjust slug B2 until bars appear.

(B) HORIZONTAL LOCKING ALIGNMENT:

Turn the horizontal hold control to full counter-clockwise position. Switch to another channel and back to the original again.

Slowly turn horizontal hold control clockwise and note the least number of diagonal bars present just before picture syncs. If more than $4\frac{1}{2}$ bars are present just before picture syncs. adjust "horizontal lock" trimmer B3 slightly clockwise. If less than $3\frac{1}{2}$ bars are present adjust B3 slightly counter-clockwise and switch channel selector to another channel and back again. Re-count bars present at the "lock-in" point. Repeat this procedure until $3\frac{1}{2}$ to $4\frac{1}{2}$ bars are present.

Repeat Steps (A) & (B) until conditions exist as outlined under "Horizontal Oscillator Alignment Check".

WIDTH, DRIVE & HORIZONTAL LINEARITY ADJUSTMENTS:

Turn width control B4 to maximum clockwise position. Adjust "horizontal drive" trimmer B5 for maximum brightness and linearity for right half of the picture. Readjust width control until picture fills the mask. Turn horizontal centering to align raster with the mask.

HEIGHT & VERTICAL LINEARITY ADJUSTMENTS:

Adjust the height control until picture fills mask vertically. Adjust the vertical linearity control until the test pattern is symmetrical from top to bottom.

Due to interaction between these two controls it is necessary to repeat the adjustments. Adjust the vertical centering control to align the picture with the mask.

DISASSEMBLY INSTRUCTIONS

1. Remove eight push-on type control knobs.
2. Remove eight Phillips head screws holding back cover. Remove cover. Remove speaker plug from rear of chassis.
3. Remove four $7/16$ " hex head machine bolts holding chassis. Remove chassis.
4. Remove four $11/32$ " hex nuts holding speaker. Remove speaker.