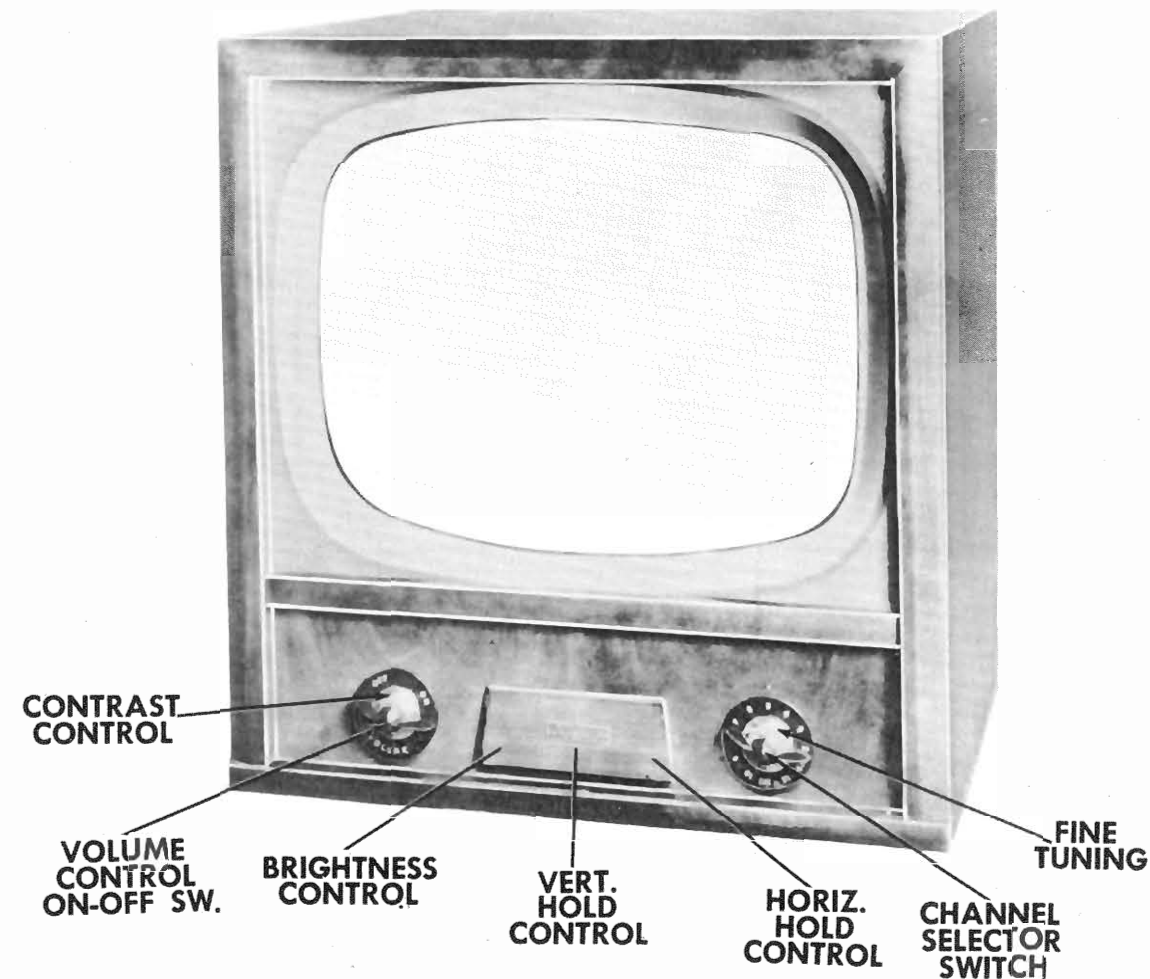


RESISTOR AND INDUCTOR IDENTIFICATION



AMBASSADOR MODELS C1720, C2020, C2420, CD2020, T1720, T2020

Ambassador T2020	
TRADE NAME	Ambassador Models C1720, C2020, C2420, CD2020, T1720, T2020
SUPPLIER	Allied Pur. Corp., 401 5th Ave., New York 16, N. Y.
TYPE SET	Television Receiver
TUBES	Twenty-One
POWER SUPPLY	110-120 Volts AC- 60 Cycle
TUNING RANGE	Channels 2 thru 13
RATING 2.24 Amp. @117 volts AC	
INDEX	
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Disassembly Instructions .....	8
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Tube Placement Charts .....	5

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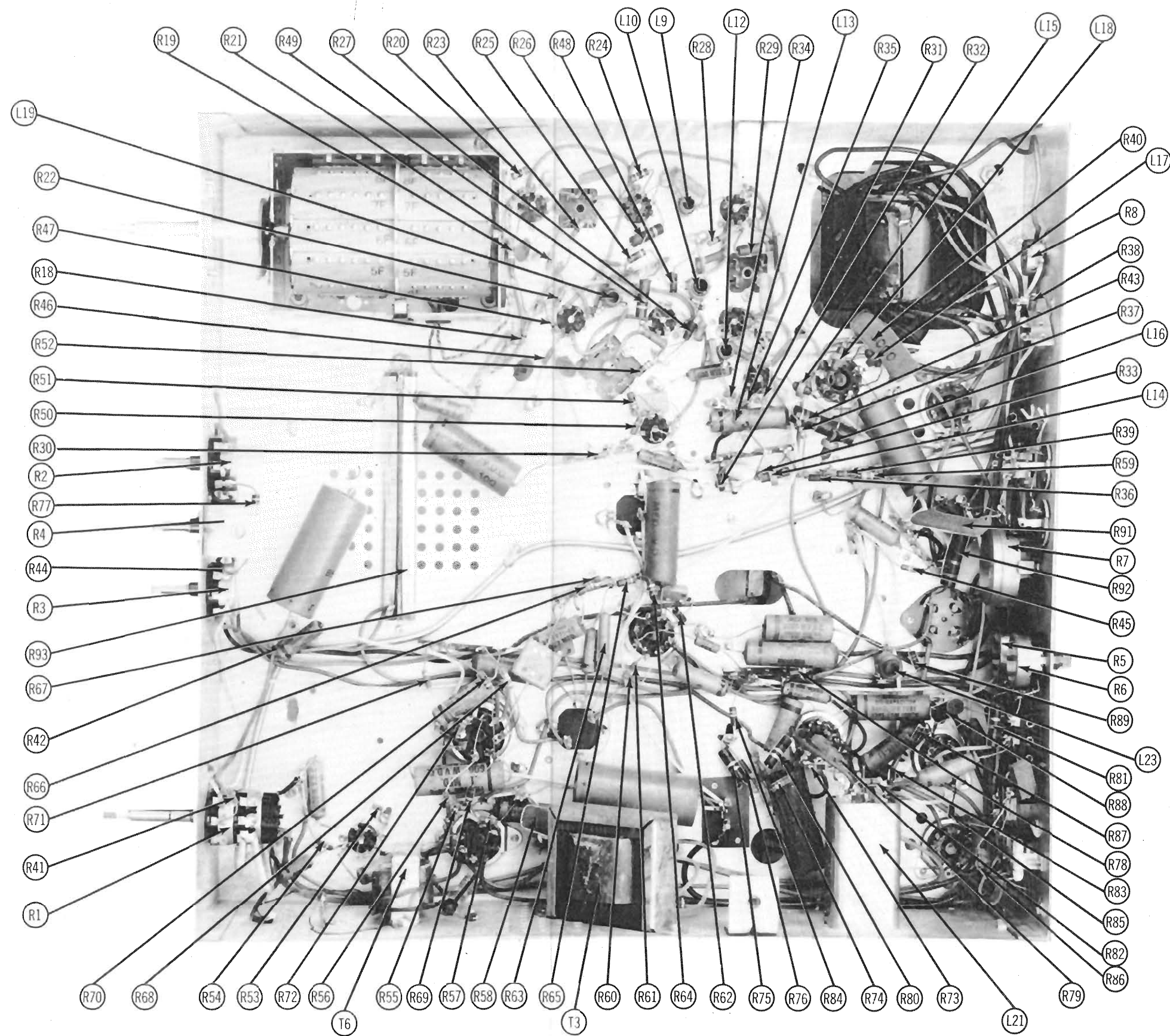
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DATE 8-52

SET 175

FOLDER 2



CHASSIS BOTTOM VIEW-RESISTOR AND INDUCTOR IDENTIFICATION

CONTRAST  
CONTROL

VOLUME  
CONTROL  
ON-OFF SW.

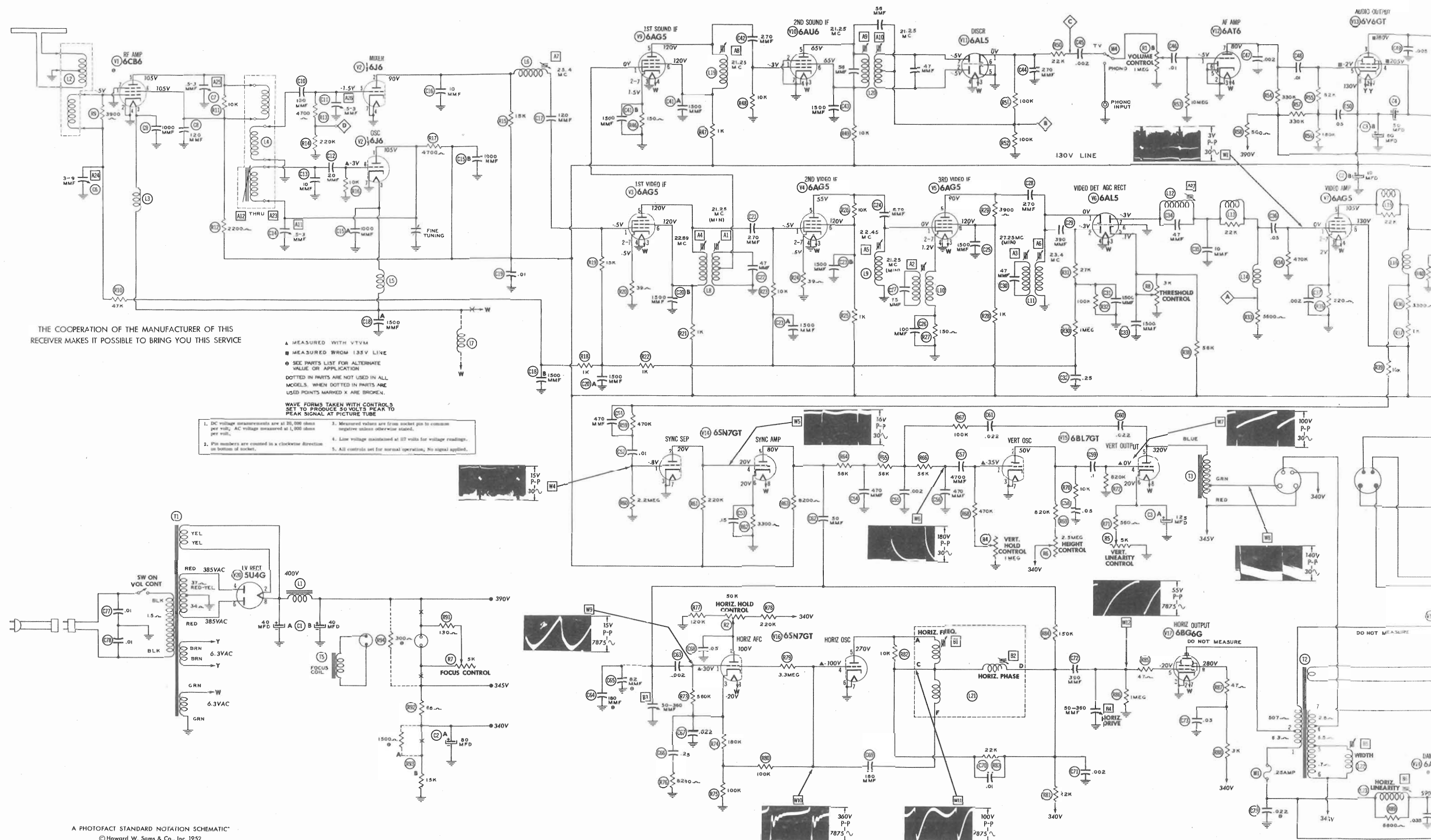
TRADE NAME	Ambassa
SUPPLIER	Allied Pt
TYPE SET	Televisic
TUBES	Twenty-C

POWER SUPPLY 110-120 V  
TUNING RANGE-Channels :

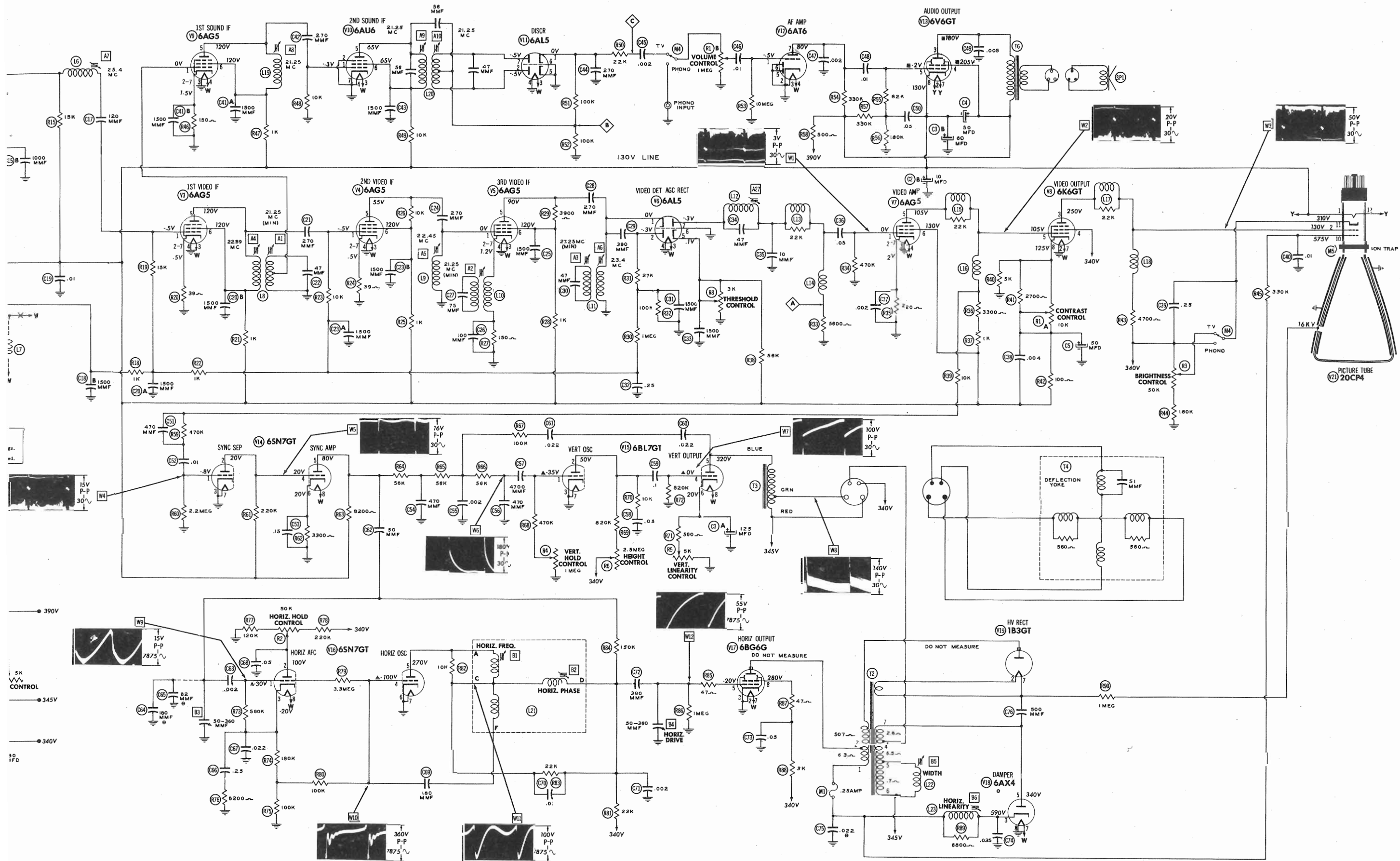
Alignment Instructions . . .
Disassembly Instructions .
Horizontal Sweep Circuit A
Parts List and Description:
Photographs
Cabinet - Rear View
Capacitor & Alignm-

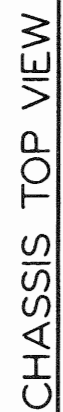
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case a recommendation, warranty or  
as to the quality and suitability of suc  
parts have been compiled from inform  
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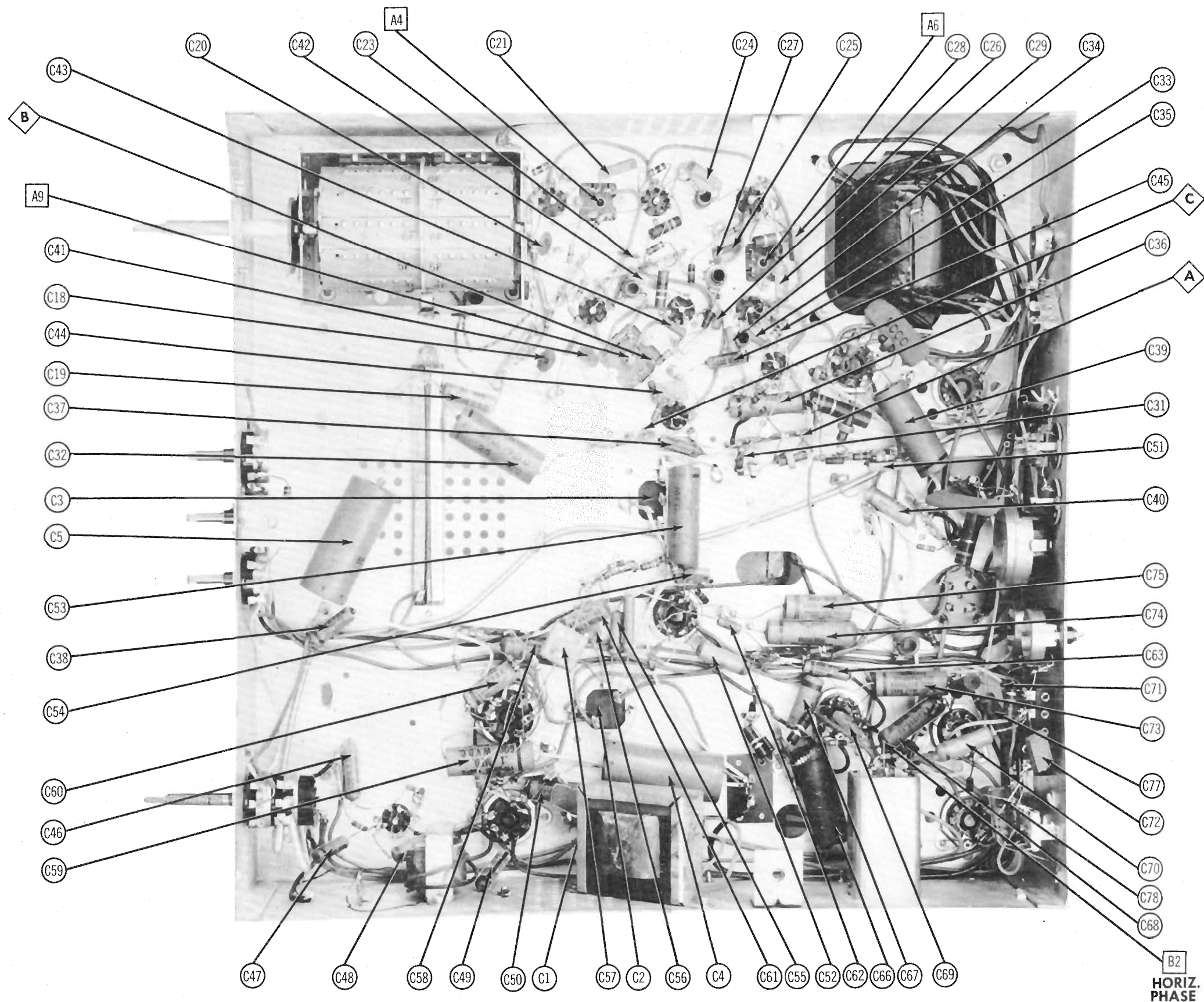








**AMBASSADOR**  
**MODELS C1720, C2020, C2420, CD2020, T1720, T2020**



CHASSIS BOTTOM VIEW-CAPACITOR AND ALIGNMENT IDENTIFICATION

RESISTANCE MEASUREMENTS

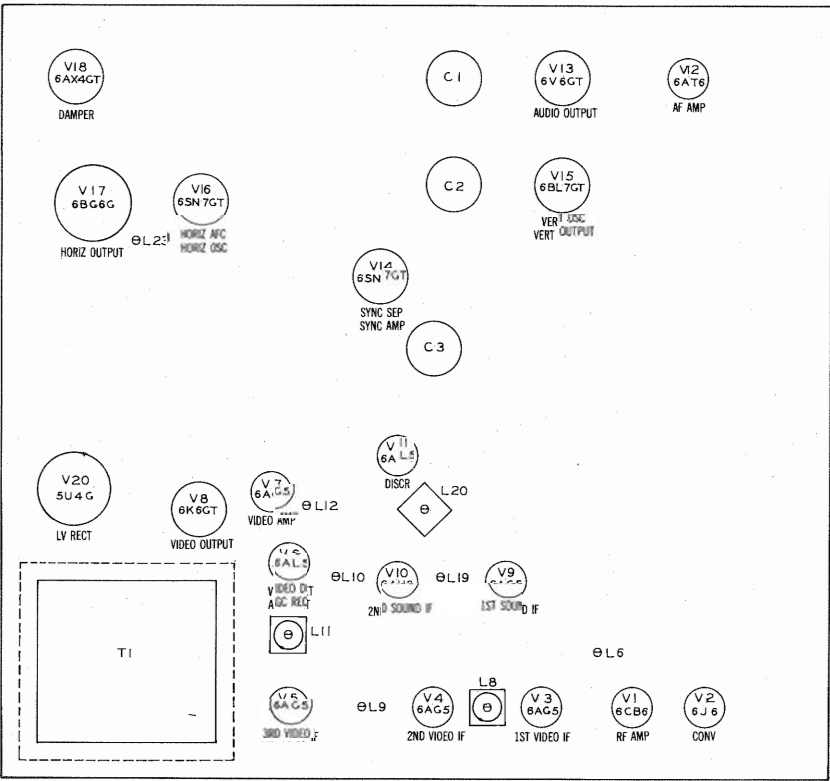
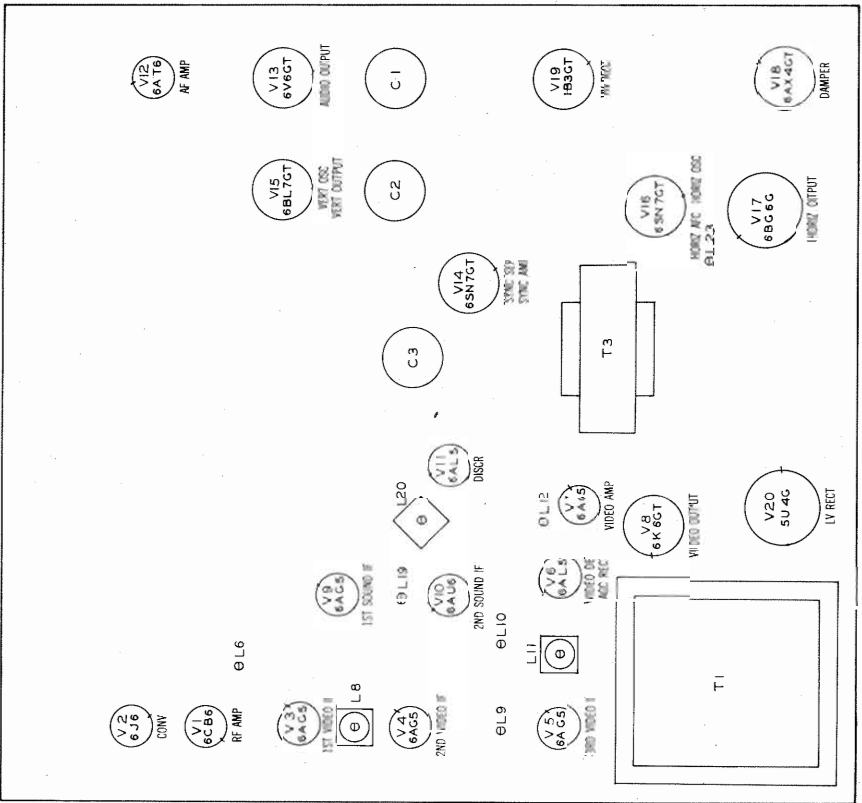
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6CB6	1.1Meg	0Ω	.1Ω	0Ω	■2.2KΩ	■2.2KΩ	0Ω		
V 2	6J6	■4.7KΩ	■15KΩ	.1Ω	0Ω	220KΩ	10KΩ	0Ω		
V 3	6AG5	1.1Meg	39Ω	.1Ω	0Ω	■1KΩ	■1KΩ	39Ω		
V 4	6AG5	1.1Meg	39Ω	.1Ω	0Ω	■1KΩ	■1KΩ	39Ω		
V 5	6AG5	.3Ω	150Ω	.1Ω	0Ω	■4.9KΩ	■1KΩ	150Ω		
V 6	6AL5	.2Ω	127KΩ	.1Ω	0Ω	550Ω	0Ω	5.6KΩ		
V 7	6AG5	470KΩ	220Ω	0Ω	.1Ω	■4.3KΩ	■0Ω	220Ω		
V 8	6K6GT	†5KΩ	0Ω	†5KΩ	†320Ω	■4.3KΩ	†5KΩ	.1Ω	■600Ω	
V 9	6AG5	0Ω	150Ω	0Ω	.1Ω	■1KΩ	■1KΩ	150Ω		
V 10	6AU6	10KΩ	0Ω	.1Ω	0Ω	■10KΩ	■10KΩ	0Ω		
V 11	6AL5	200KΩ	100KΩ	.1Ω	0Ω	0Ω	0Ω	100KΩ		
V 12	6AT6	10Meg	0Ω	0Ω	.1Ω	0Ω	0Ω	†330KΩ		
V 13	6V6GT	INF	■.1Ω	†850Ω	†550Ω	200KΩ	INF	■0Ω	5KΩ	
V 14	6SN7GT	2.2Meg	■220KΩ	0Ω	■220KΩ	■8.2KΩ	3.3KΩ	0Ω	.1Ω	
V 15	6BL7GT	1.2Meg	†2.3Meg	0Ω	820KΩ	†1.5KΩ	1.4KΩ	0Ω	.1Ω	
V 16	6SN7GT	700KΩ	100KΩ	280KΩ	200KΩ	†22KΩ	0Ω	0Ω	.1Ω	
V 17	6BG6G	†3.3KΩ	0Ω	0Ω	INF	1Meg	INF	.1Ω	†3.3KΩ	TOP CAP #99Ω
V 18	6AX4GT	INF	INF	INF	INF	†326Ω	INF	.1Ω	0Ω	TOP CAP #606Ω
V 19	1B3GT	PINS 1 THRU 8 HAVE INF RESISTANCE								
V 20	5U4G	INF	13KΩ	INF	37Ω	INF	34Ω	INF	13KΩ	
V 21	20CP4	■0Ω	†5KΩ	†330KΩ	†24KΩ	■.1Ω				

ALL CONTROLS SET FOR NORMAL OPERATION, NO SIGNAL APPLIED  
† MEASURED FROM PIN 8 OF V20  
# MEASURED FROM PIN 3 OF V18  
■ MEASURED FROM 130VDC LINE

DISASSEMBLY INSTRUCTIONS

1. Remove 4 push on type control knobs from front panel.
2. Remove 5 wood and 2 metal screws. Remove rear cover.
3. Disconnect built-in Antenna and Speaker.
4. Remove 2 nuts holding Speaker. Remove Speaker.
5. Remove 3 Chassis Bolts. Remove Chassis.

NOTE. For Picture Tube Removal it is necessary to remove chassis as outlined above.



TUBE PLACEMENT CHART



ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The high voltage lead should be securely taped and kept away from the chassis. Do not remove the horizontal oscillator tube to disable the high voltage.

VIDEO IF ALIGNMENT

Remove the converter tube (V2) from its socket and replace with a 6J6 which has pin 1 removed. This will disable the local oscillator and reduce the possibility of erroneous indications.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. Direct	High side to an ungrounded tube shield floating over dummy converter tube. Low side to chassis.	21.25MC (unmod.)	Any	DC probe to Point A Common to chassis.	A1, A2	Adjust for MINIMUM deflection.
2. "	"	27.25MC	"	"	A3	"
3. "	"	22.69MC	"	"	A4	Adjust for maximum deflection. Attenuate signal generator output to maintain approximately 2 volt reading.
4. "	"	22.45MC	"	"	A5	"
5. "	"	23.4MC	"	"	A6	"
6. "	"	25.4MC	"	"	A7	"

OVERALL VIDEO IF RESPONSE CHECK

Connect the negative lead of a 3 volt battery to the ungrounded side of C32. Connect the positive lead to chassis.  
Connect the synchronized sweep voltage from the signal 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
7. Direct	High side to an ungrounded tube shield floating over dummy converter tube. Low side to chassis.	24MC (10MC Swp)	23.0MC 25.75MC	Any	Vert. Amp. to point A Low side to chassis.	A4, A6, A7	Check for response curve similar to fig. 1. Adjust A7 for proper placement of 25.75MC marker. Retouch A4 for placement of 23.0MC marker. Retouch A6 for flat top on response curve. Remove bias battery.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
8. Direct	High side to an ungrounded tube shield floating over dummy converter tube. Low side to chassis.	21.25MC (unmod.)	Any	DC probe to Point B Common to chassis.	A8, A9	Adjust for maximum deflection.
9. "	"	"	"	DC probe to Point C Common to chassis.	A10	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 450 KC sweep. Use 120v sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
8. Direct	High side to an ungrounded tube shield floating over dummy converter tube. Low side to chassis.	21.25MC (450 KC Swp)	21.25MC	Any	Vert. amp. to point B Low side to chassis.	A8, A9	Adjust for maximum amplitude and symmetry as per fig. 2.
9. "	"	"	"	"	Vert. amp. to point C Low side to chassis.	A10	Adjust A10 so 21.25MC occurs at center of crossover lines as per fig. 3. SLIGHTLY retouch A9 for maximum amplitude and straightness of cross over lines.

OSCILLATOR ALIGNMENT

Remove the dummy converter tube and replace the original 6J6 in its socket.  
Complete oscillator alignment may not be necessary. If the oscillator seems to be off frequency approximately the same amount for a majority of the channels it may be possible to correct them in one step using A11. It should be noted that this is an all channel oscillator circuit adjustment and should not be used to correct any individual channel. If adjustment of A11 will not bring all channels well within the range of the fine tuning control, it will be necessary to adjust the channel strip adjustment for each channel that is off frequency. The channel strip adjustments are reached through a hole just to the right of the channel switch shaft. The correct adjustment screw is accessible through this hole as the channel switch is turned to each channel. 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	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
10. Direct	High side to either antenna terminal. Low side to chassis.	215.75MC (unmod.)	13	DC probe to Point C Common to chassis.	A12	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
		209.75MC	12		A13	
		203.75MC	11		A14	
		197.75MC	10		A15	
		191.75MC	9		A16	
		185.75MC	8		A17	
		179.75MC	7		A18	
		87.75MC	6		A19	
		81.75MC	5		A20	
		71.75MC	4		A21	
		65.75MC	3		A22	
		59.75MC	2		A23	

ALIGNMENT INSTRUCTIONS (CONT.)

RF ALIGNMENT

Reconnect the negative lead of the 3 volt battery to the ungrounded side of C32.  
 Connect the synchronized sweep voltage from the signal 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	
11. Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	207MC	205.25MC 209.75MC	12	Vert. amp. thru 10KΩ to point D Low side to chassis.	A24, A25 A26	Adjust for response curve similar to fig. 4 with markers above 90%.	
12. "	"	213MC (10MC Swp)	211.25MC 215.75MC	13	"		Check all channels for response curve similar to fig. 4. If markers fall below 70% on any channel make slight adjustment of A24, A25 and A26 with channel switch set for that channel. Recheck all channels to see that they have not been seriously affected.	
		201MC (10MC Swp)	199.25MC 203.75MC	11				
		195MC (10MC Swp)	193.25MC 197.75MC	10				
		189MC (10MC Swp)	187.25MC 191.75MC	9				
		183MC (10MC Swp)	181.25MC 185.75MC	8				
		177MC (10MC Swp)	175.25MC 179.75MC	7				
		85MC (10MC Swp)	83.25MC 87.75MC	6				
		79MC (10MC Swp)	77.25MC 81.75 MC	5				
		69MC (10MC Swp)	67.25MC 71.75MC	4				
		63MC (10MC Swp)	61.25MC 65.75MC	3				
		57MC (10MC Swp)	55.25MC 59.75MC	2				
4.5MC TRAP ADJUSTMENT								
With alignment completed and the receiver operating, connect a short across the trap winding of L8. Tune in a strong TV station and examine the picture for evidence of 4.5MC beat interference. If interference is present adjust A27 to minimize that interference. Remove the short from L8.								

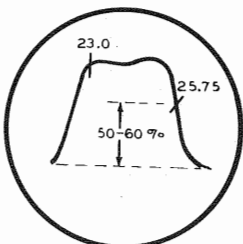


FIG. 1

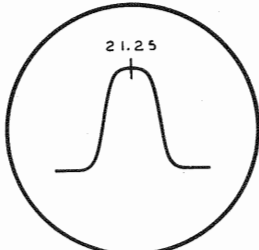


FIG. 2

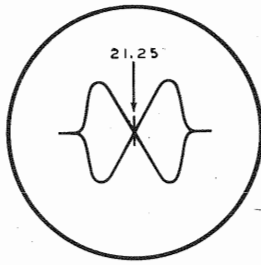


FIG. 3

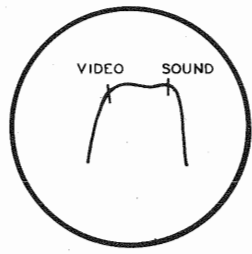


FIG. 4

MODELS C1720, C2020, C2420, CD2020, T1720, T2020

AMBASSADOR



PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATING		REPLACEMENT DATA			NOTES
			Ambassador PART No.	JENSEN PART No.	QUAM PART No.	
	FIELD RES.	V. C. IMP.				
SPIA	P. M.	3.2Ω		Mod. P8-V ST-116	8A31	
	CONE DIA.	V. C. DIA.				
SPIB	8"	3/4"				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 γ)	Ambassador PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	TRIAD PART No.
L1	.270A	50Ω	1.5 Henries		C-2326 ①	C-2991 ①	TR-3300 ①	C-23X

① Drill one new mtg. hole

COILS (RF-IF)

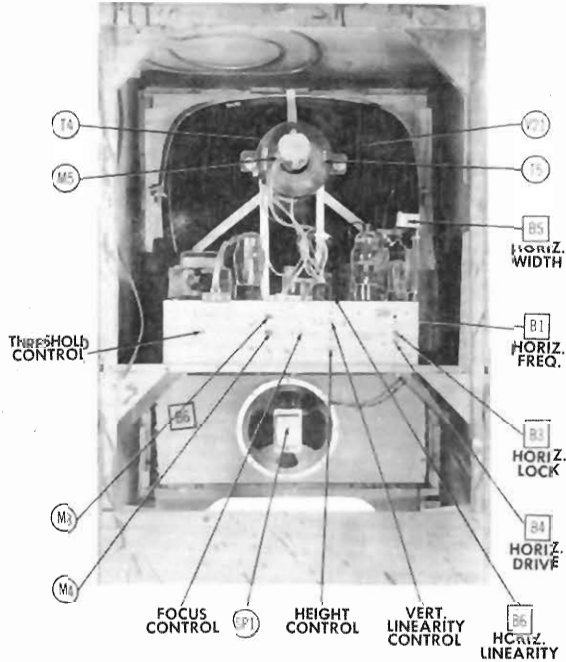
ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	Ambassador	MERIT	
				PART No.	PART No.	
L2	Ant. Coil	0Ω	0Ω		TV-150	Not used in some models Includes sound take-off
L3	Fil. Choke	0Ω				
L4	RF, Mixer Grid & Osc. Coils	0Ω				
L5	Fil. Choke	0Ω				
L6	1st. Video IF	1.2Ω				
L7	Fil. Choke					
L8	2nd. Video IF	.2Ω				
L9	3rd. Video IF	.3Ω				
L10	21.25MC Trap	0Ω				
L11	4th. Video IF	.2Ω				
L12	4.5MC Trap	2Ω				Includes sound take-off
L13	Peaking Coil	5.2Ω			TV-151	
L14	Peaking Coil	7.3Ω			TV-182	120 Microhenries, wound on 22KΩ resistor
L15	Peaking Coil	5.2Ω			TV-185	250 Microhenries
L16	Peaking Coil	4.7Ω			TV-182	120 Microhenries wound on 22KΩ resistor
L17	Peaking Coil	5.2Ω			TV-181	93 Microhenries
L18	Peaking Coil	4.1Ω			TV-182	120 Microhenries wound 22KΩ resistor
L19	Sound IF	.2Ω			TV-181	93 Microhenries
L20	Discr. Trans.	.2Ω			TV-106	Tap ① .1Ω
L21	Horiz. Osc.	78Ω	46Ω		TV-162	Tap ② 22Ω
L22	Width Coil	.6Ω			MWC-2	
L23	Horiz. Lin.	36Ω			MWC-1	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			Ambassador PART No.		LITTELFUSE PART No.	
			FUSE	HOLDER	FUSE	HOLDER
M1	GJV	1/4 A. 250 V.			318.250 (3AG-P/T)	
						GJV 1/4

MISCELLANEOUS

ITEM No.	PART NAME	Ambassador PART No.	NOTES
M2	RF Tuner		
M3	Switch		Black-White & Color
M4	Switch		TV-Phono
M5	Ioi Trap		
B4	Trimmer		(Dual) Horiz. Drive & Horiz. Lock (50-360MMF)



CABINET-REAR VIEW  
HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

HORIZONTAL OSCILLATOR CHECK

Turn the set on and tune in a TV station, preferably a test pattern.

Turn the horizontal hold control fully clockwise. The picture should remain in sync. Momentarily interrupt the signal by switching to another channel and back again. The picture should pull into sync.

Turn the horizontal hold control fully counter clockwise.

Momentarily interrupt the signal by switching to another channel and back. The picture should be out of sync with approximately 10 sloping bars appearing.

If the receiver passes the above check, no oscillator alignment is required, if not, continue with horizontal oscillator alignment.

HORIZONTAL OSCILLATOR ALIGNMENT

Pre-set adjustments as follows :

Horizontal drive trimmer (B4) approximately 1/4 turn from fully clockwise.

Horizontal lock trimmer (B3) approximately 1/2 turn from fully clockwise.

Horizontal frequency slug (B1) so that 3/4 inch of screw extend from coil form.

Horizontal hold control at mid-position of its range.

Adjust the horizontal phase slug (B2) to sync the picture horizontally .

Turn the horizontal hold control fully counter-clockwise and switch to another channel and back again. Approximately 10 sloping bars should appear.

With the horizontal hold control at mid range, momentarily switch to another channel and back again. The picture should return to sync.

Failure to return to sync on the last 50% clockwise rotation of the horizontal hold when the signal is interrupted momentarily indicated insufficient "sync lock".

To correct this condition adjust B3 counter-clockwise.

If the picture "jumps" when the horizontal hold is turned clockwise too much "sync lock" is indicated. To correct this condition adjust B3 clockwise.

Adjust the width slug (B5) so that the screw extends approximately 1 inch above the coil dome.

Adjust B4 to the point where compression of the center of the picture just begins to appear, then reverse the adjustment a slight amount.

Adjust the linearity slug (B6) for a symmetrical picture from left to right.

AGC THRESHOLD CONTROL ADJUSTMENT

The correct setting of the threshold control will be determined by the signal strength in the area where the set is to operate.

The control should be adjusted for maximum sensitivity without overloading when the contrast control is at maximum.

MODELS C1720, C2020, C2420, CD2020, T1720, T2020  
AMBASSADOR

## PARTS LIST AND DESCRIPTIONS

## CAPACITORS (CONT.)

## TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA			NOTES
		Ambassador PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
V1A	RF Amplifier	6CB6	6CB6	7CM	
B	RF Amplifier	6AG5	6AG5	7BD	
V2	Converter	6J6	6J6	7BF	
V3	1st. Video IF Amp.	6AG5	6AG5	7BD	
V4	2nd. Video IF Amp.	6AG5	6AG5	7BD	
V5	3rd. Video IF Amp.	6AG5	6AG5	7BD	
V6	AGC Rectifier	6AL5	6AL5	6BT	
V7	Video Amplifier	6AG5	6AG5	7BD	
V8	Video Output	6K6GT	6K6GT	7AC	
V9	1st. Sound IF Amp.	6AG5	6AG5	7BD	
V10	2nd. Sound IF Amp.	6AU6	6AU6	7BK	
V11	Discriminator	6AL5	6AL5	6BT	
V12	AF Amplifier	6AT6	6AT6	7BT	
V13	Audio Output	6V6GT	6V6GT	7AC	
V14	Sync Separator - Sync Amplifier	6SN7GT	6SN7GT	8BD	
V15	Vert. Oscillator - Vert. Output	6BL7GT	6BL7GT	8BD	
V16	Horiz. AFC	6SN7GT	6SN7GT	8BD	
V17	Horiz. Oscillator	6BG6G	6BG6G	5BT	
V18A	Damper	6AX4GT	6AX4GT	4CG	
B	Damper	6W4GT	6W4GT	4CG	
V19	HV Rectifier	1B3GT	1B3GT	3C	
V20	LV Rectifier	5U4G	5U4G	5T	

## CATHODE-RAY TUBE

ITEM No.	REPLACEMENT DATA			RTMA BASE TYPE	NOTES
	Ambassador PART No.	SYLVANIA PART No.			
V21	20CP4	20CP4	12D	12D	① 3/8" longer ② Circuit changes necessary
	20DP4 ①	20DP4 ①	12D	12D	
	20CP4A ②	20CP4A ②	12D	12D	
	20DP4A ① ②	20DP4A ① ②	12C	12C	
	20HP4 ①	20HP4 ①	12C	12C	
	20HP4A ②	20HP4A ②	12C	12C	

## 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							NOTES
		Ambassador PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	
C1A	40 450		AFH2-57		UPT4445		FP248	TVL-2764	
B	40 450		AFH2-62		UPT8145		FP245	TVL-2776	
C2A	80 450								
B	10 450								
C3A	125 25		PRS25/100		BRH251A			TVA-1207	
B	60 200		AFH1-30		UP8025			TVL-1525	
C4	50 350		PRS450/40		BR4035		TC68	TVA-1713	
C5	50 350		PRS450/40		BR4035		TC68	TVA-1713	
C6	3-9			829-10					
C7	5-3			829-3					
C8	120			D6-121	TM5T12	GP2K-121	UC-5312	5GA-T12	
C9	1000			D6-102	TM5D1	GP2L-102	UC-521	5HK-D1	
C10	100			D6-101	TM5T1	GP1K-101	UC-531	5GA-T1	
C11	5-3			829-3					
C12	20		SI20NP0	TCZ-20		NP0K-200	ZT-542		
C13	10		SI10N750	TCN-10		N750K-100	NT-541		
C14	5-3			829-3					
C15A	1000		BPD-2X001	DD-2-102	TM5DD1	812-001	DCD-521	5HK-2D1	
B	1000								
C16	10		SI10NP0	TCZ-10		NP0K-100	ZT-541	5TCC-Q1	
C17	120		SI120	D6-121	TM5T12	GP2K-121	UC-5312	5HK-2D1	
C18A	1500		BPD-2X0015	DD-2-152	TM5DD15	812-0015	DCD-5215	5HK-2D15	
B	1500								
C19	.01	600	P688-01	D6-103	PTE6S1	GP2-333-103	PT611	6TM-S1	
C20A	1500		BPD-2X0015	DD-2-152	TM5DD15	822-0015	DCD-5215	5HK-2D15	
B	1500								
C21	270	500	SI270	D6-271	TM5D15	GP2K-271	UC-5327	5GA-T27	
C22	47		SI47NP0	TCZ-47		NP0K-470	UC-54	5TCC-Q47	
C23A	1500		BPD-2X0015	DD-2-152	TM5DD15	822-0015	DCD-5215	5HK-2D15	
B	1500								
C24	270	500	SI270	D6-271	TM5D15	GP2K-271	UC-5327	5GA-T27	
C25	1500		SI1500	D6-152	TM5T15	GP2L-152	UC-5215	5HK-D15	
C26	100		SI100	D6-101	TM5T1	GP1K-101	UC-531	5GA-T1	
C27	75								
C28	270	500	SI270	D6-271	TM5D15	GP2K-271	UC-5327	5GA-T27	
C29	390	500	1469-0004	D6-391	5R5T4	GP2K-391	UC-54	5TCC-Q47	
C30	47		SI47NP0	TCZ-47		NP0K-470	UC-54	5TCC-Q47	
C31	1500		SI1500	D6-152	TM5D15	GP2L-152	UC-5215	5HK-D15	
C32	.25	400	P488-25	D6-152	PTE4P25	GP2L-152	UC-5215	5HK-D15	
C33	1500		SI1500	D6-152	TM5D15	GP2L-152	UC-5215	5HK-D15	
C34	47	500	1469-00005	D6-100	5R5Q5	GP1K-100	UC-54	5TCC-Q47	
C35	10	400	SI10	D6-100	5R5Q5	GP1K-100	UC-54	5TCC-Q47	
C36	.05	600	P488-05	D6-202	PTE4S5	GP2-333-202	PT622	6TM-D2	
C37	.002	600	P688-002	D6-202	PTE6D2	GP2-333-202	PT622	6TM-D2	
C38	.004	600	P688-004	D6-402	PTE6D4	GP2-333-402	PT624	6TM-D4	
C39	.25	400	P488-25	D6-103	PTE4P25	GP2L-152	UC-5215	5HK-D15	
C40	.01	600	P688-01	D6-103	PTE6S1	GP2-333-103	PT611	6TM-S1	
C41A	1500		BPD-2X0015	DD-2-152	TM5DD15	812-0015	DCD-5215	5HK-2D15	
B	1500								
C42	270	500	SI270	D6-271	TM5D15	GP2K-271	UC-5327	5GA-T27	
C43	1500		SI1500	D6-152	TM5D15	GP2L-152	UC-5215	5HK-D15	
C44	270	500	SI270	D6-271	5R5T3	GP2K-271	UC-5327	5GA-T27	
C45	.002	600	P688-002	D6-202	PTE6D2	GP2-333-202	PT622	6TM-D2	

## RESISTORS (CONT.)

ITEM No.	RATING	REPLACEMENT DATA			IDENTIFICATION CODES
		Ambassador PART No.	IRC PART No.		
R48	10KΩ 20%				2nd. Sound IF Amp. Grid
R49	10KΩ				2nd. Sound IF Amp. Decoupling
R50	22KΩ 20%				De-emphasis
R51	100KΩ				Discriminator Diode Load
R52	100KΩ				Discriminator Diode Load
R53	10Meg 20%				AF Amp. Grid
R54	330KΩ 20%				AF Amp. Plate
R55	82KΩ				Output Grid
R56	180KΩ 20%				Output Grid
R57	330KΩ 20%				Voltage Divider
R58	500Ω				Output Decoupling - Wire Wound
R59	470KΩ 20%				Isolation
R60	2.2Meg 20%				Sync Separator Grid
R61	220KΩ				Sync Separator Plate
R62	3300Ω 20%				Sync Amp. Cathode
R63	8200Ω 20%				Sync Amp. Plate
R64	56KΩ				Integrator Network
R65	56KΩ				Integrator Network
R66	56KΩ				Integrator Network
R67	100KΩ				Vert. Feedback
R68	470KΩ				Vert. Osc. Grid
R69	820KΩ				Vert. Osc. Plate
R70	10KΩ				Vert. Peaking
R71	560Ω				Vert. Output Cathode
R72	820KΩ				Vert. Output Grid
R73	560KΩ 5%				Horiz. AFC Grid
R74	180KΩ				Horiz. AFC Cathode
R75	100KΩ				Horiz. AFC Cathode
R76	8200Ω 20%				Horiz. AFC Filter
R77	120KΩ				Voltage Divider
R78	220KΩ				Voltage Divider
R79	3.3Meg				BTA-3.3Meg
R80	100KΩ				BTA-100K
R81	22KΩ				BTA-22K
R82	10KΩ				BTS-10K
R83	22KΩ 20%				BTS-22K
R84	150KΩ				BTS-150K
R85	47Ω 20%				Parasitic Suppressor
R86	1Meg 20%				Horiz. Output Grid
R87	47Ω 20%				Parasitic Suppressor
R88	3000Ω				Horiz. Output Screen
R89	6800Ω				Linearity Coil Shunt
R90	1Meg				H.V. Filter
R91	130Ω				Focus Coil Shunt - Wire Wound
R92	68Ω				Voltage Divider
R93A	1500Ω				Bleeder - Wire Wound - See Note 1
B	15KΩ				Bleeder - Wire Wound
R94	300Ω				Voltage Divider - Wire Wound - See Note 2

Note 1. Not used in all Models

Note 2. On sets using P.M. focusing R94 replaces R7, R91 & T5.

## TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA				
	PRI.	SEC. 1	SEC. 2	SEC. 3	Ambassador PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	TRIAD PART No.
T1	117VAC ② 2.24A	770VCT ② .270 ADC	3VAC ② 3A	5.3VAC ② 5.7A SEC. 4 6.3VAC ② 1A					R-36B

## TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	DC RESISTANCE	PRI. SEC.	Ambassador PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	TRIAD PART No.	
T2	570Ω tap ② 63Ω	100 tap ② .7Ω 7.2Ω SEC. 2 0Ω			HV0-7			Horiz. Output Trans.
T3	1.2K tap ② 12Ω							Vert. Output Trans.
T4A	15Ω							
B	58Ω							
T5	420Ω							

① Drill new mtg. holes

② Fabricate new mtg. bracket or use original focus coil housing.

## TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	IMPEDANCE	PRI. SEC.	Ambassador PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	TRIAD PART No.	
T6	4.5KΩ 3.2Ω	300Ω .7Ω						

③ Drill one new mtg. hole.

MODELS C1720, C2020, C2420, CD2020, T1720, T2020

AMBASSADOR