

WESTINGHOUSE MODELS H-603C12,
H-608C12 (Ch. V-2152-01 and V-2149-3)

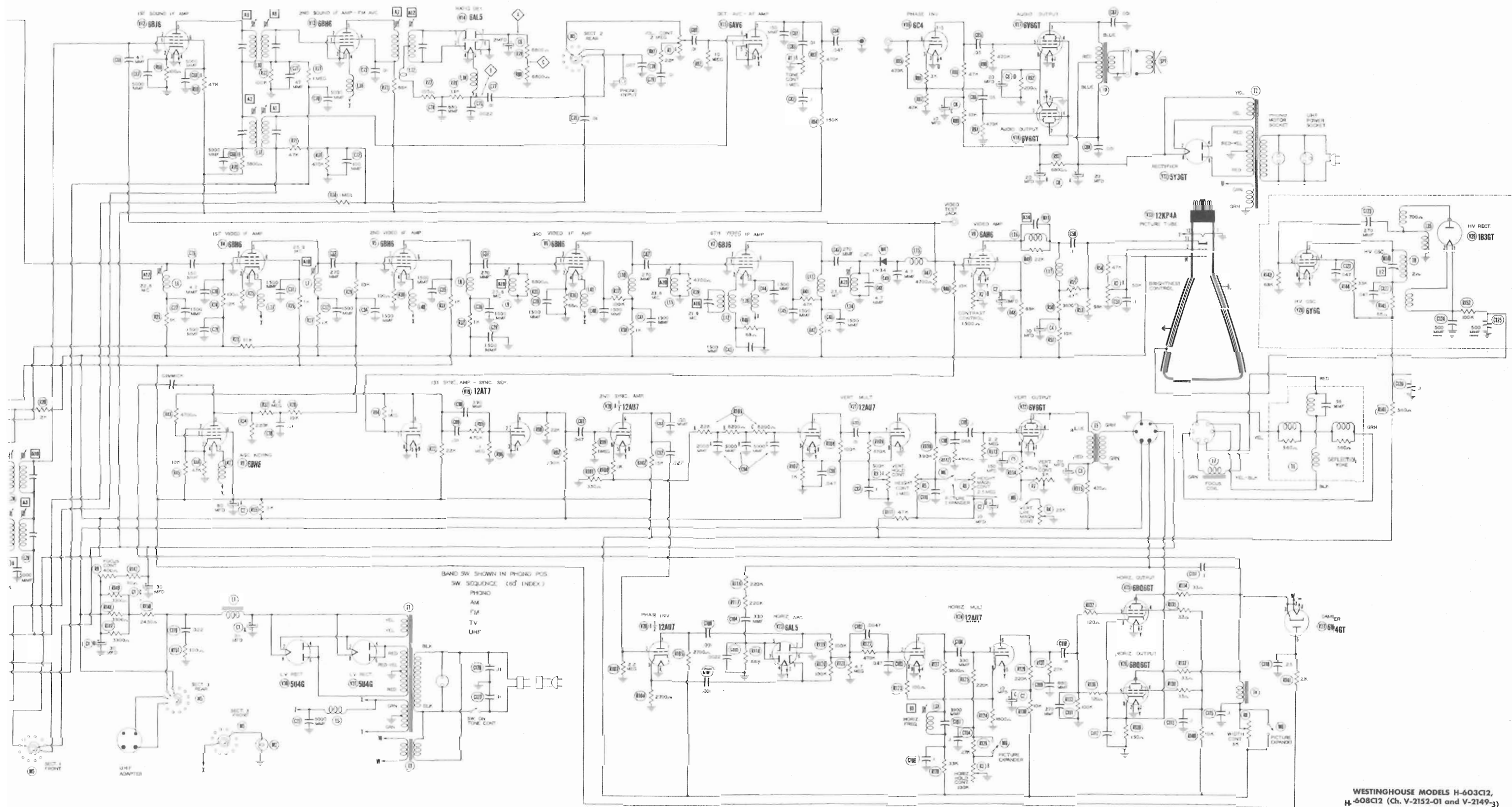
WESTINGHOUSE MODEL H-603C12	
TRADE NAME	Westinghouse, Models H-603C12, H-608C12 (Ch. V-2152-01 and Audio Amplifier Chassis V-2149-3)
MANUFACTURER	Westinghouse Electric Corp., Home Radio Div., Sunbury, Pa.
TYPE SET	AM-FM-TV-Phono Combination Receiver
TUBES	Thirty Three
POWER SUPPLY	110-120 Volts AC-60 Cycle
TUNING RANGE-TV	Channels 2 thru 13, FM 88-108MC, AM 540-1600KC
RATING	2.8 Amp. at 117 Volts AC
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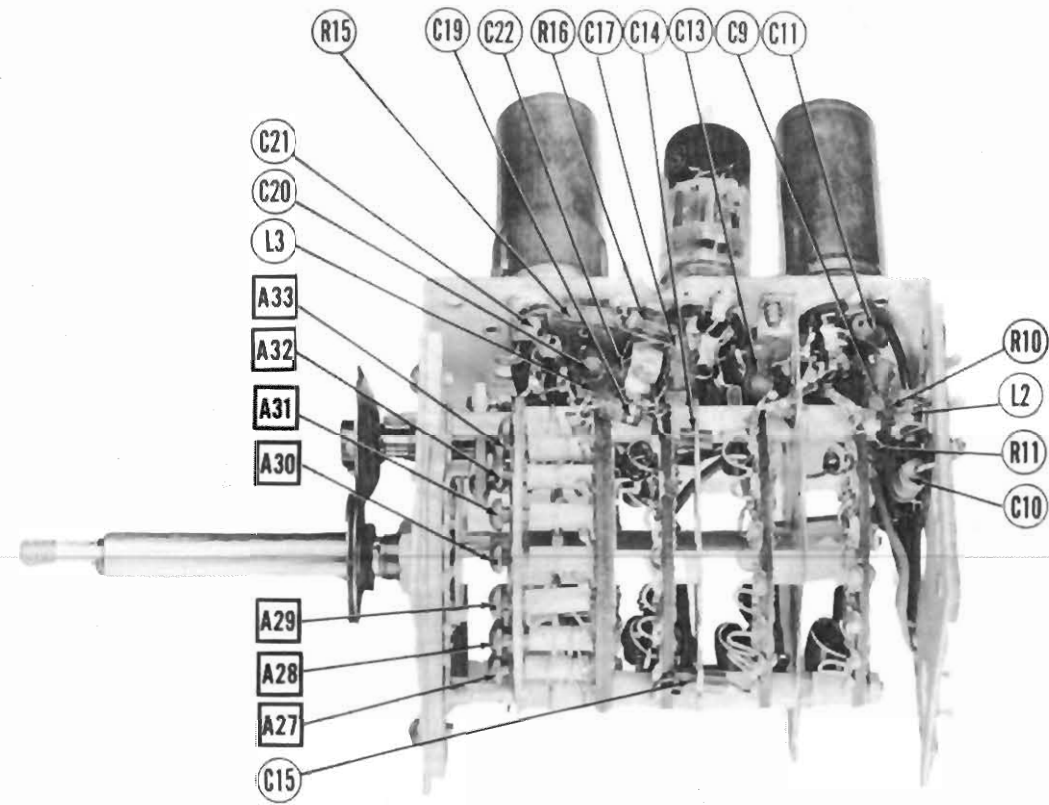
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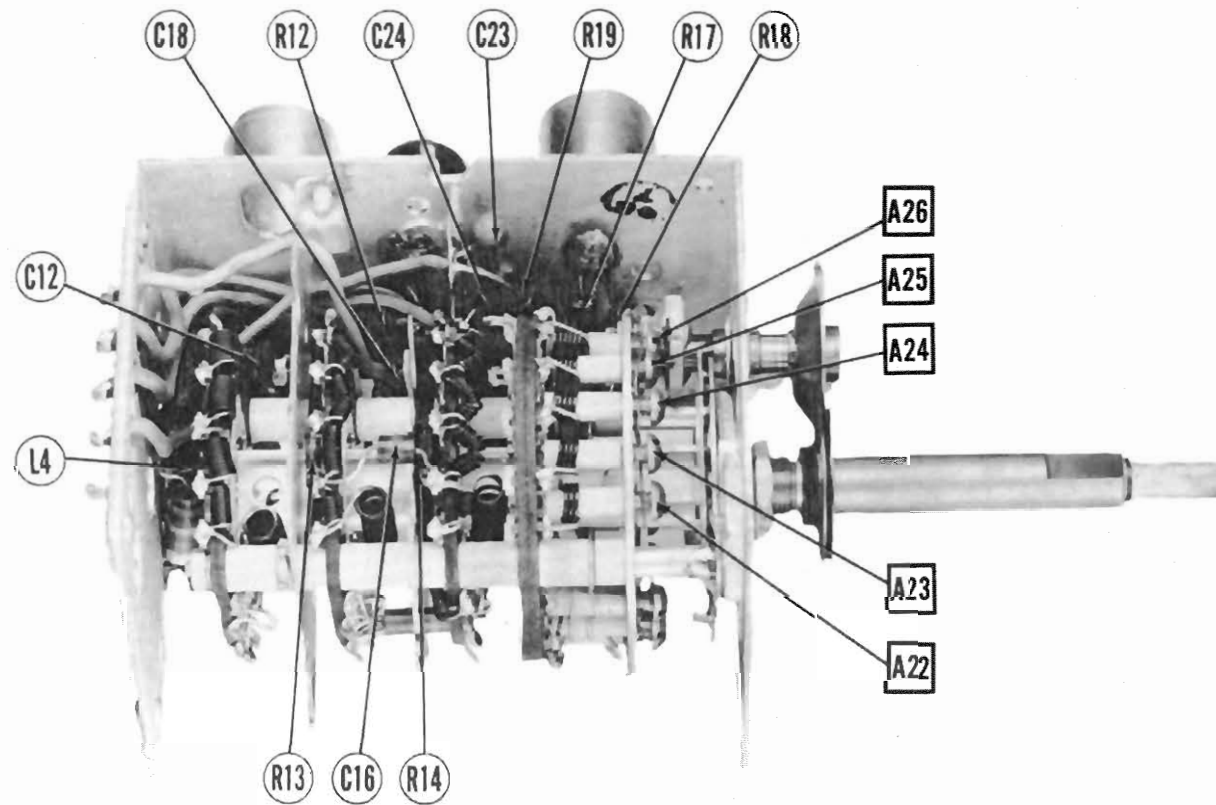
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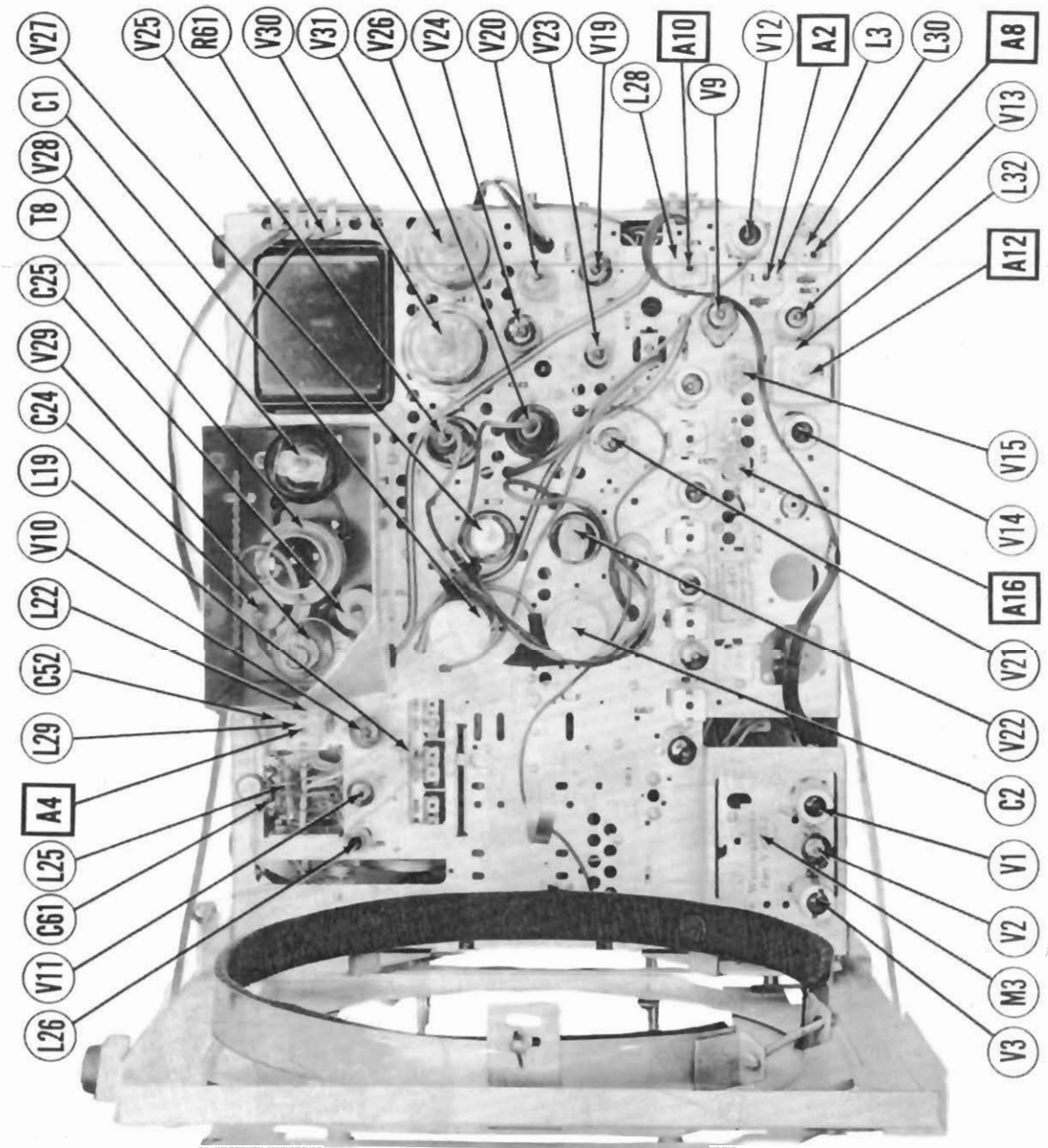




RF TUNER-RIGHT SIDE

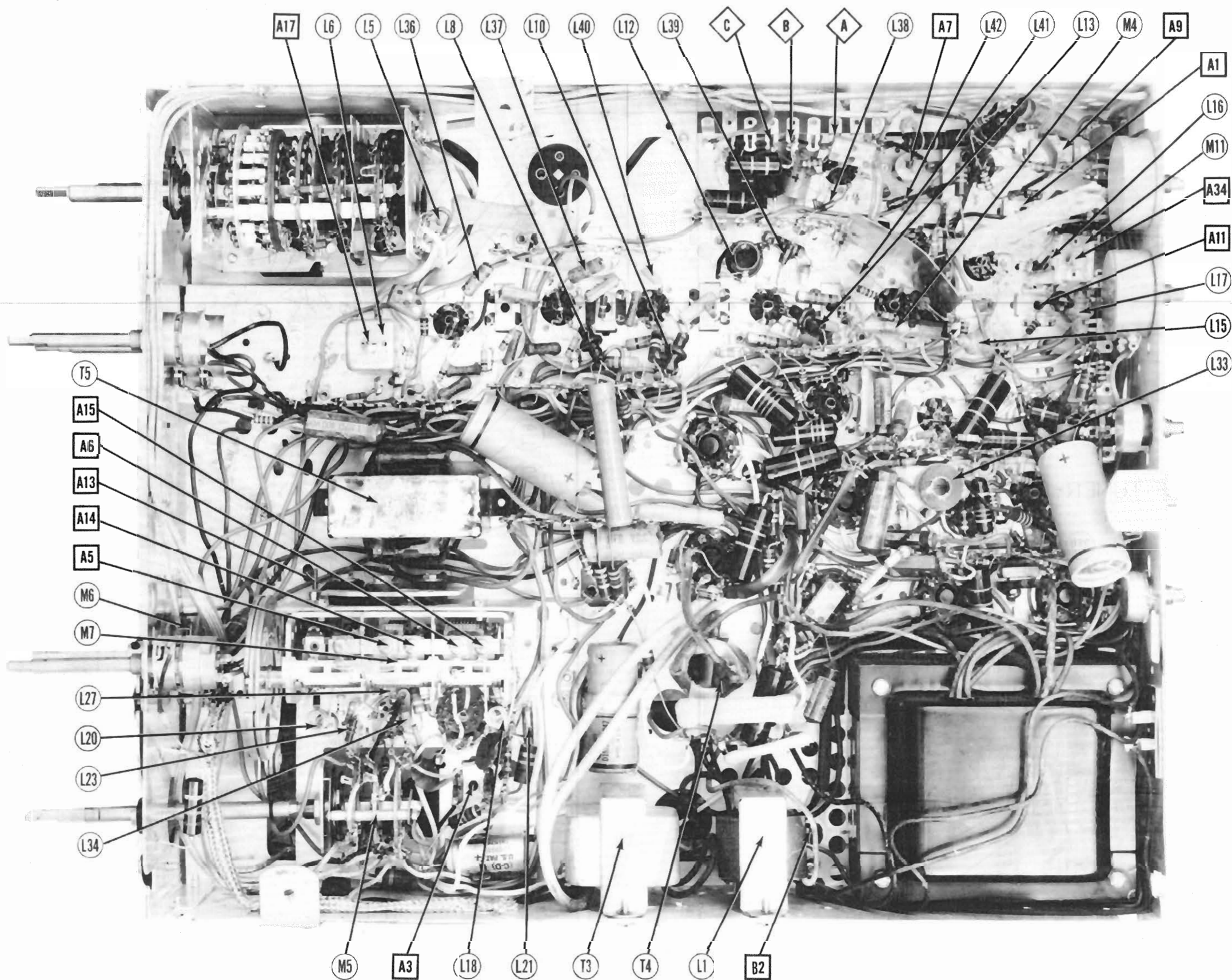


RF TUNER-LEFT SIDE



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WESTINGHOUSE MODELS H-603C12,
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WESTINGHOUSE MODEL S H-603C12,
H-608C12 (Ch. V-2152-01 and V-2149-.3)

CHASSIS BOTTOM VIEW-TRANS., INDUCTOR AND ALIGNMENT IDENTIFICATION

VOLTAGE AND RESISTANCE MEASUREMENTS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	-1.4VDC	0V.	6.3VAC	0V.	155VDC	130VDC	0V.		
V 2	6AG5	-1.4VDC	0V.	6.3VAC	0V.	155VDC	130VDC	0V.		
V 3	6C4	225VDC	0V.	6.3VAC	0V.	340VDC	150VDC	0V.		
V 4	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 5	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 6	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 7	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 8	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 9	6BH6	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 10	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 11	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 12	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 13	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 14	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 15	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 16	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 17	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 18	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 19	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 20	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 21	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 22	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 23	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 24	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 25	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 26	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 27	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 28	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 29	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 30	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 31	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 32	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		
V 33	6A15	-1.4VDC	0V.	6.3VAC	0V.	320VDC	130VDC	0V.		

ALL MEASUREMENTS TAKEN IN "TV" POSITION UNLESS OTHERWISE NOTED.
• DO NOT MEASURE.
• MEASURED IN "FM" POSITION.
• TAKEN WITH VACUUM TUBE VOLTMETER.
• MEASURED FROM PIN 3 OF V27.

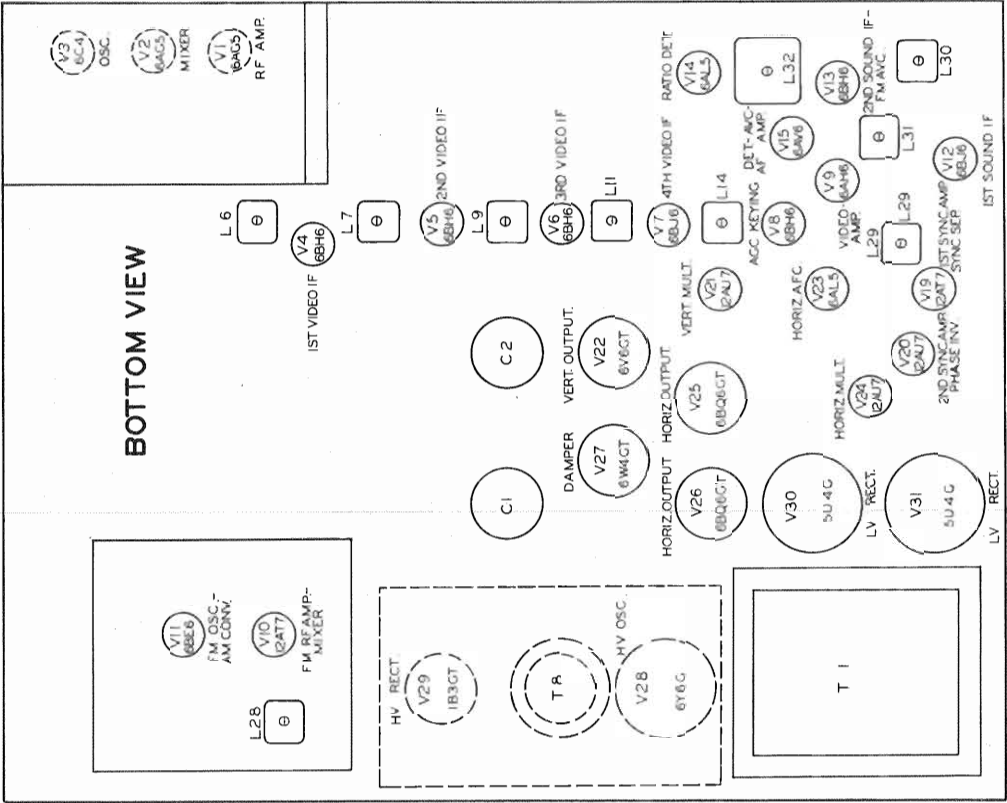
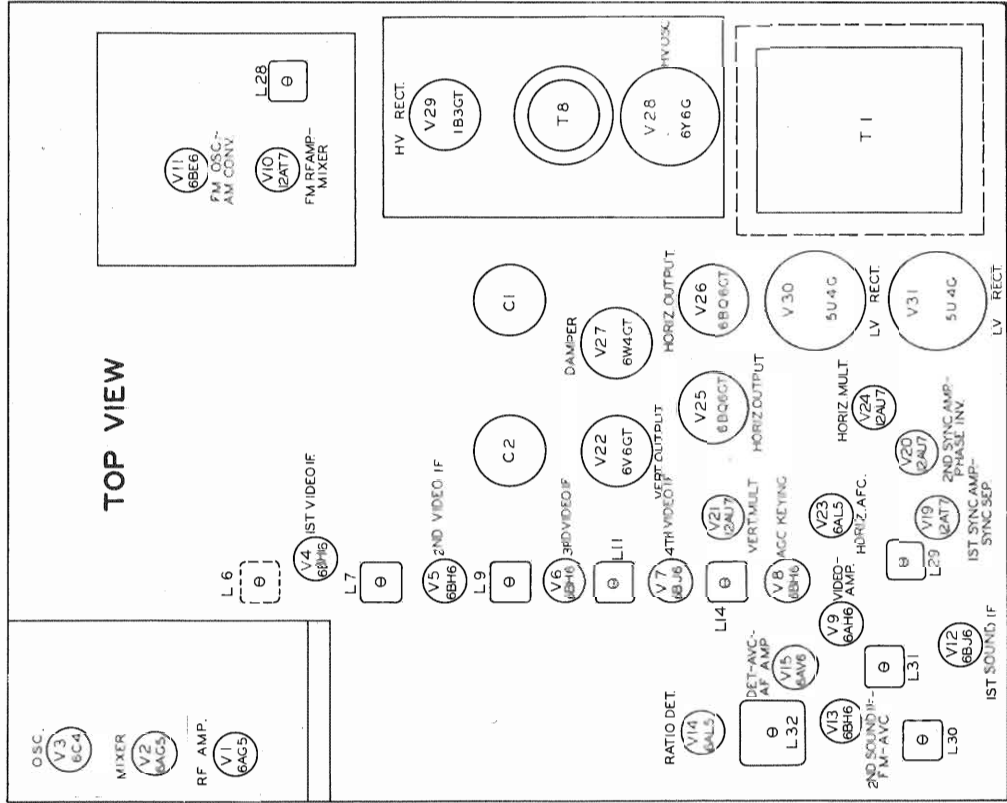
1. DC Voltage measurements are at 20,000 ohms per volt AC Voltage measured at 1,000 ohms.
2. Pin numbers are counted in a clockwise direction on bottom of socket.
3. Measured values are from socket pin to common negative unless otherwise stated.
4. Line voltage maintained at 117 volts for voltage readings.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

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6AG5	2.5 Meg.	0.0	1.0	12KΩ	14KΩ	0.0			
V 2	6AG5	1 Meg.	0.0	1.0	12KΩ	14KΩ	0.0			
V 3	6C4	1.0KΩ	0.0	1.0	1.0KΩ	22KΩ	470Ω			
V 4	6BH6	2.5 Meg.	100Ω	1.0	1.2KΩ	14KΩ	0.0			
V 5	6BH6	2.5 Meg.	100Ω	1.0	1.2KΩ	14KΩ	0.0			
V 6	6BH6	2.0	0.0	1.0	1.2KΩ	14KΩ	0.0			
V 7	6BH6	2.0	0.0	1.0	1.2KΩ	14KΩ	0.0			
V 8	6BH6	2.0	0.0	1.0	1.2KΩ	14KΩ	0.0			
V 9	6A15	4.7KΩ	0.0	1.0	1.0KΩ	14KΩ	0.0			
V 10	6A15	1.1 Meg.	1.0	1.0	1.0	1.0	1.0			
V 11	6A15	4.7KΩ	0.0	1.0	1.0	1.0	1.0			
V 12	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 13	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 14	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 15	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 16	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 17	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 18	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 19	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 20	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 21	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 22	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 23	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 24	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 25	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 26	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 27	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 28	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 29	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 30	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 31	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 32	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			
V 33	6A15	1.0KΩ	0.0	1.0	1.0	1.0	1.0			

† MEASURED FROM PIN 8 OF V30.
‡ MEASURED IN "FM" POSITION.
• MEASURED FROM PIN 8 OF V32.
• MEASURED FROM PIN 3 OF V27.

WESTINGHOUSE MODELS H-603C12, H-608C12 (Ch. V-2152-01 and V-2149-3)

TUBE PLACEMENT CHART



ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The high voltage shock hazard may be eliminated by removing the high voltage oscillator tube (V28). If complete receiver alignment is to be performed it should be done in the order outlined.

AM RADIO ALIGNMENT

Turn the function selector switch to AM (second position clockwise).

To set pointer turn tuning cap fully closed and set pointer to last reference mark at low frequency end of dial.

Loop should be maintained in same relative position to chassis as when receiver is in cabinet.

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1MFD	High side to stator on rear "AM" section of tuning gang. Low side to chassis.	455KC (400% Mod.)	AM (second position CW)	Tuning gang fully open	Across voice coil	A1, A2, A3, A4	Adjust for maximum output.
2. .1MFD	"	1615KC	"	"	"	A5	"
3.	Loop	1400KC	"	Tune for max. output	"	A6	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.

FM AND TV SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

Turn the function switch to FM (third position clockwise).

If AM alignment is necessary, it should be performed before FM alignment.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
4. .01MFD	High side to stator on rear "FM" section of tuning gang.	4.5MC (Unmod.)	FM (third position CW)	Tuning gang fully closed	DC Probe to Point A, Common to chassis.	A7, A8, A9, A10, A11	Adjust for maximum deflection.
5. .01MFD	"	"	"	"	DC Probe to Point B, Common to Point A.	A12	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting. Continue with step 7.

FM AND TV SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

See notes under IF VTVM Alignment.

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

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
4. .01MFD	High side to pin 1 (Grid) of 6BJ6 (V12). Low side to chassis.	10.7MC (450KC Sweep)	FM (third position CW)	Tuning gang fully closed	Vert. Amp. to Point A, Low side to chassis.	A7, A8, A9	Disconnect stabilizer capacitor C6. Adjust for maximum amplitude and symmetry as per figure 1.
5. .01MFD	High side to stator on rear "FM" section of tuning gang. Low side to chassis.	"	"	"	"	A10, A11	"
6. .01MFD	"	"	"	"	Vert. Amp. to Point B, Low side to chassis.	A12	Reconnect capacitor C6. Adjust A12 so 4.5MC occurs at center of crossover lines as per figure 2. Slightly retouch A7 for maximum amplitude and straightness of cross-over lines.

FM RF ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
7. 300Ω carbon res.	High side thru 300Ω to ungrounded "FM" antenna terminal. Low side to chassis.	108.5MC (Unmod.)	FM	Tuning gang fully open	DC Probe to Point A, Common to chassis.	A13	Adjust for maximum deflection.
8. "	"	105MC	"	Tune for max. deflection.	"	A14, A15	Rock tuning gang while adjusting A14 and A15 for maximum deflection.

VIDEO IF ALIGNMENT

Turn the function selector switch to TV (fourth position clockwise).

Remove the local oscillator tube (V3) from its socket to prevent erroneous indications.

Attenuate the signal generator to maintain 2 volt reading on VTVM.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
9. Direct	High side to ungrounded tube shield floating over mixer tube (V2). Low side to chassis.	21.6MC (Unmod.)	Any	DC Probe to "video test jack". Common to chassis.	A16	Adjust for MINIMUM deflection.
10. Direct	"	22.6MC	"	"	A17	Adjust for maximum deflection.
11. Direct	"	25.9MC	"	"	A18	"
12. Direct	"	25.6MC	"	"	A19	"
13. Direct	"	23.8MC	"	"	A20	"
14. Direct	"	23.0MC	"	"	A21	"

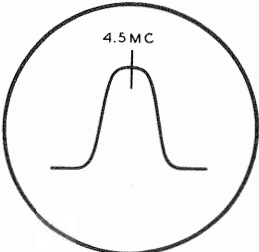


FIG. 1

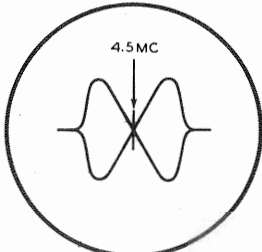


FIG. 2

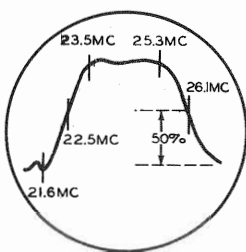


FIG. 3

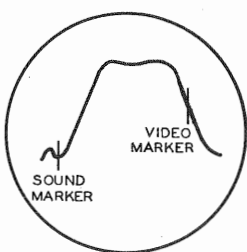
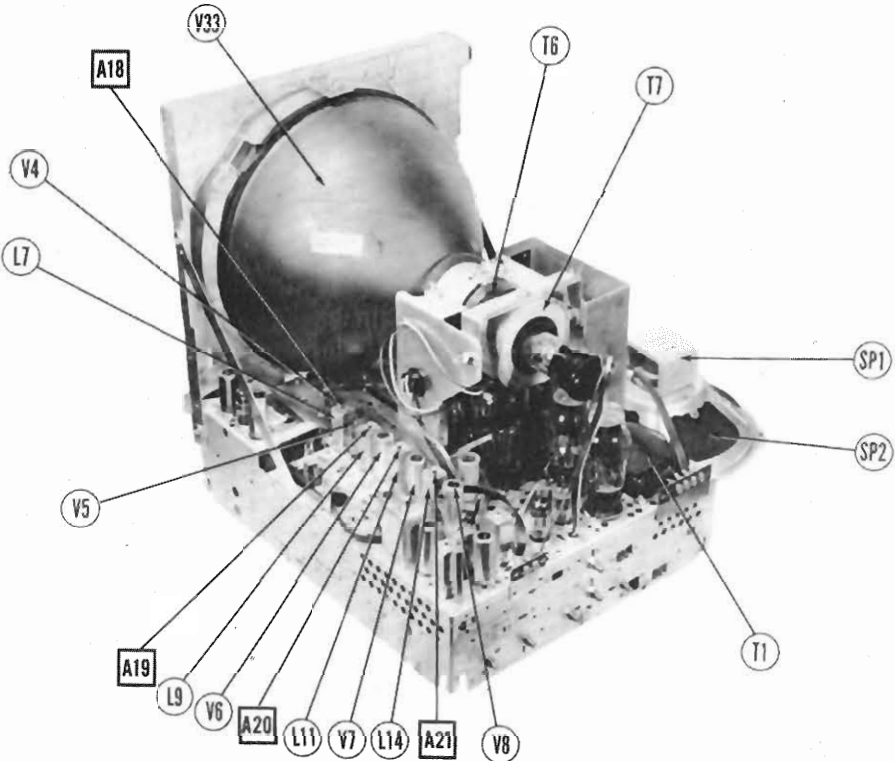


FIG. 4

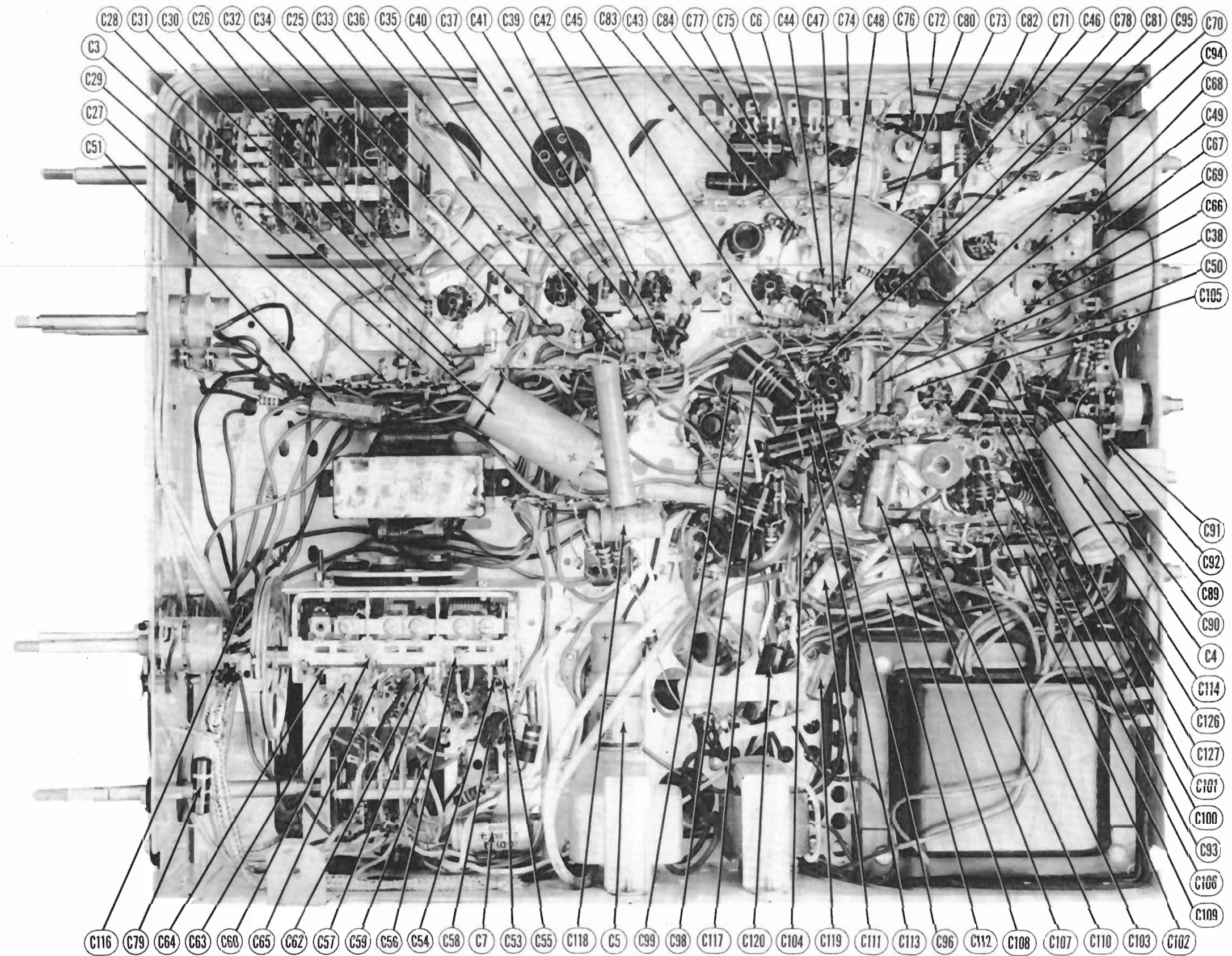
ALIGNMENT INSTRUCTIONS (CONT.)

OVERALL VIDEO IF RESPONSE CHECK							
Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection. Connect a 200KΩ resistor in series with the oscilloscope vertical input lead, and a 500MMF capacitor across the vertical input terminals.							
DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
15. Direct	High side to ungrounded tube shield floating over mixer tube (V2). Low side to chassis.	25MC (10MC SWP)	21.6MC 22.5MC 23.5MC 26.1MC	Any	Vert. Amp. to "video test jack". Low side to chassis.		Check for response curve similar to figure 3. If necessary retouch A16 thru A21 for optimum response.
4.5MC TRAP ADJUSTMENT							
DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
16. .001MFD	High side to "video test jack". Low side to chassis.	Not used	4.5MC (400% Mod.)	Any	Vert. Amp. to pin 11 (cathode) of picture tube. Low side to chassis.	A34	Adjust for minimum 400% response on scope.
OSCILLATOR ALIGNMENT (SHOP ADJUSTMENT)							
Replace the local oscillator tube (V2). 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
17. Two 120Ω carbon res.	Across "TV" antenna terminals with 120Ω in each lead.	57MC (10MC SWP) 63MC (10MC SWP) 69MC (10MC SWP) 79MC (10MC SWP) 85MC (10MC SWP) 177MC (10MC SWP) 183MC (10MC SWP) 189MC (10MC SWP) 195MC (10MC SWP) 201MC (10MC SWP) 207MC (10MC SWP) 213MC (10MC SWP)	55.25MC 59.75MC 61.25MC 65.75MC 67.25MC 71.75MC 77.25MC 81.75MC 83.25MC 87.75MC 175.25MC 179.75MC 181.25MC 185.75MC 187.25MC 191.75MC 193.25MC 197.75MC 199.25MC 203.75MC 205.25MC 209.75MC 211.25MC 215.75MC	2 3 4 5 6 7 8 9 10 11 12 13	Vert. Amp. to "video test jack". Low side to chassis.	A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33	Adjust to place sound marker as shown in figure 4. The video marker should fall at 50%.
OSCILLATOR ALIGNMENT (FIELD ADJUSTMENT)							
Turn the receiver on and allow a few minutes warm up. Turn the fine tuning control to the mid-position of its range. Turn the channel switch to the lowest channel station available. Adjust the appropriate oscillator slug (A22 thru A33) for best picture detail. Adjust the oscillator slug for each channel a station can be received on, starting with the lowest channel and working towards the highest. The RF and mixer circuits are pre-set at the factory and are very stable, they should not require adjustment in the field.							

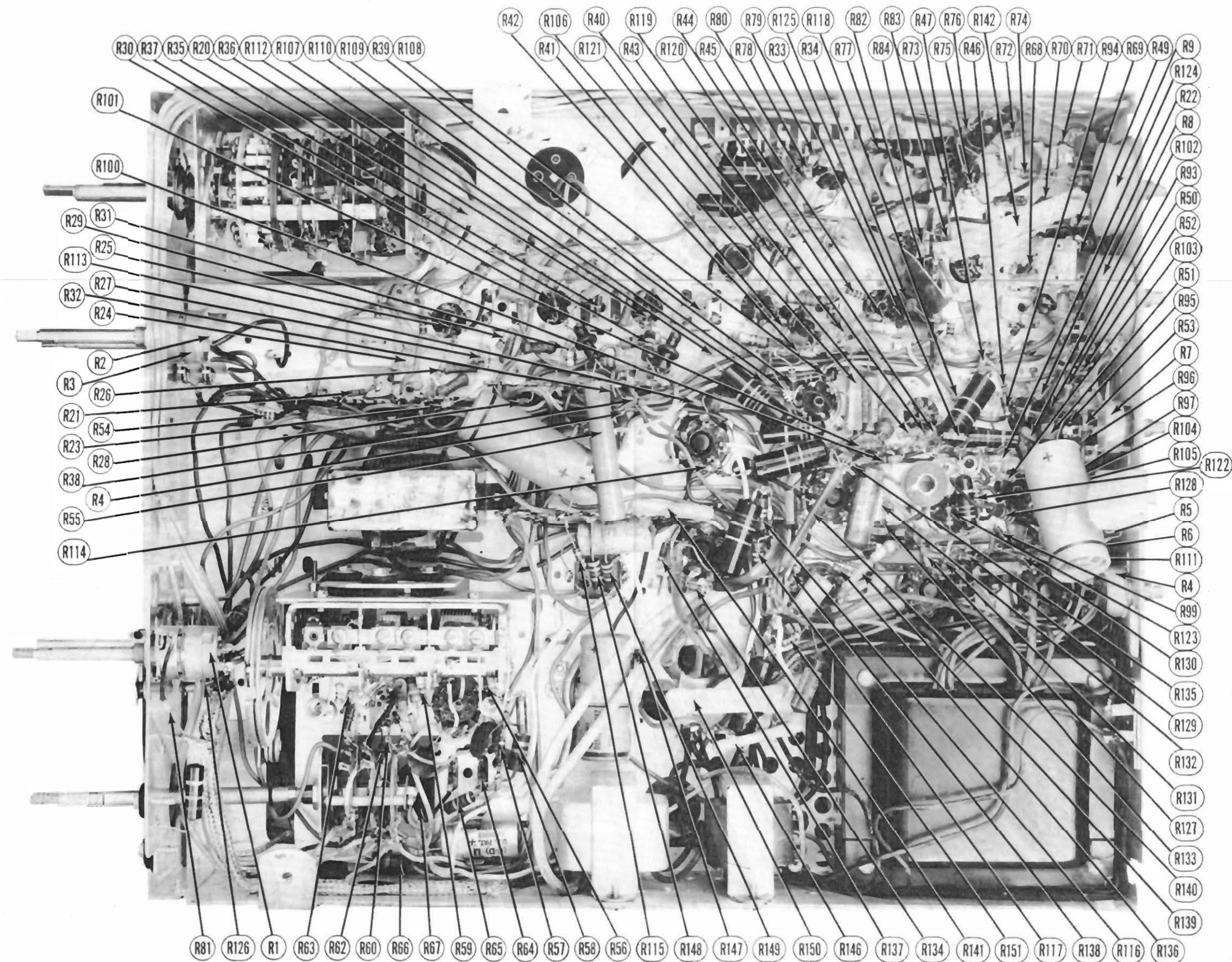


CHASSIS-TOP VIEW

WESTINGHOUSE MODELS H-603C12,
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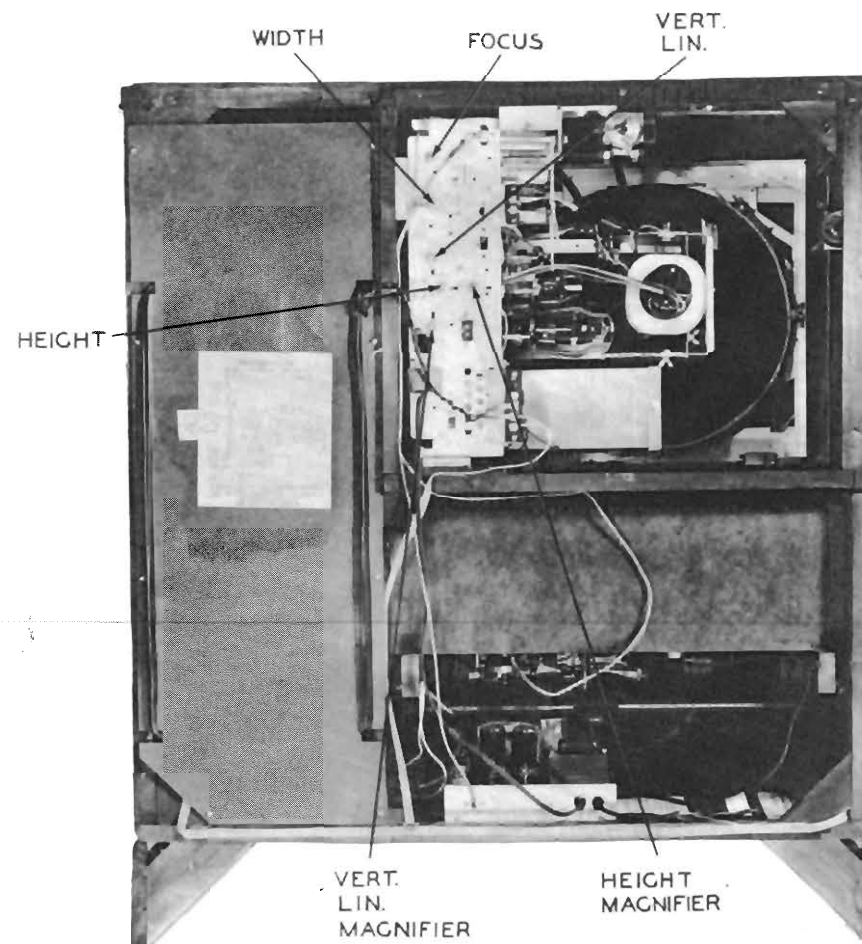
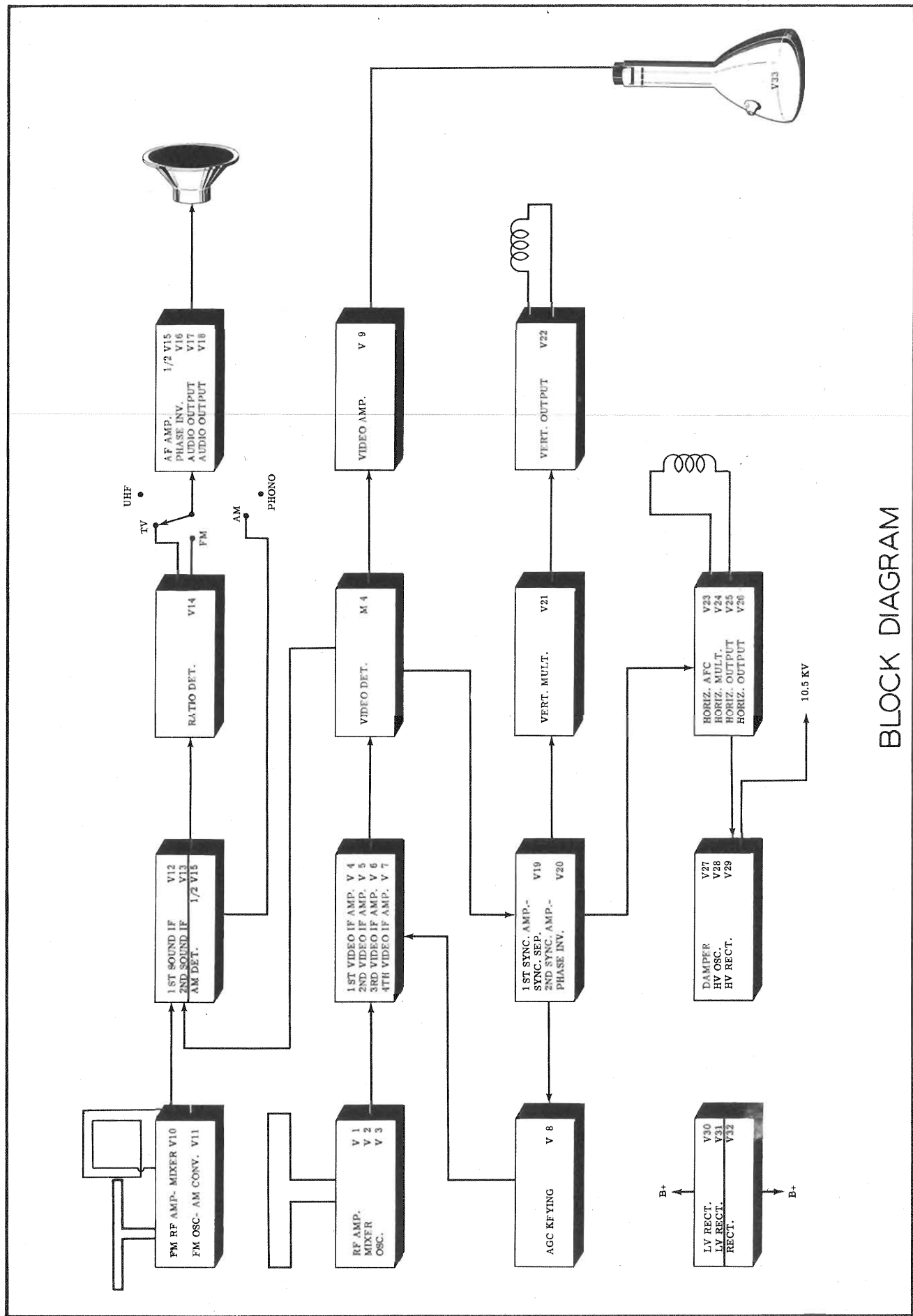


**WESTINGHOUSE MODELS H-603C12,
H-608C12 (Ch. V-2152-01 and V-2149-3)**



CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION

WESTINGHOUSE MODELS H-603C12,
H-608C12 (Ch. V-2152-.01 and V-2149-.3)



CABINET-REAR VIEW SWEEP CIRCUIT ADJUSTMENTS

HORIZONTAL OSCILLATOR ADJUSTMENT

- Turn the set on and tune in a TV station.
- Turn the picture expander switch to "large" (clockwise).
- Turn the horizontal hold control to the mid position of its range.
- Adjust the horizontal frequency slug (B1) until the picture synchronizes horizontally.

HORIZONTAL WIDTH ADJUSTMENT

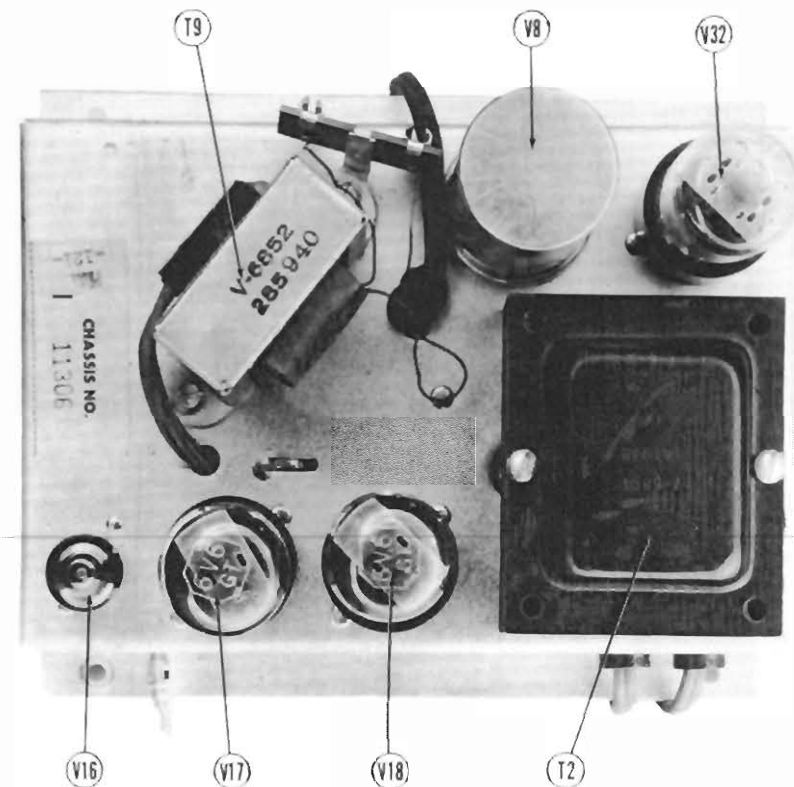
- Turn the picture expander switch to "large" (clockwise), and adjust the horizontal hold control until the picture synchronizes horizontally.
- Turn the picture expander switch to "normal" (counter-clockwise), and without touching the hold control turn the width control until the picture synchronizes horizontally and is of proper width.

VERTICAL HEIGHT AND LINEARITY ADJUSTMENTS

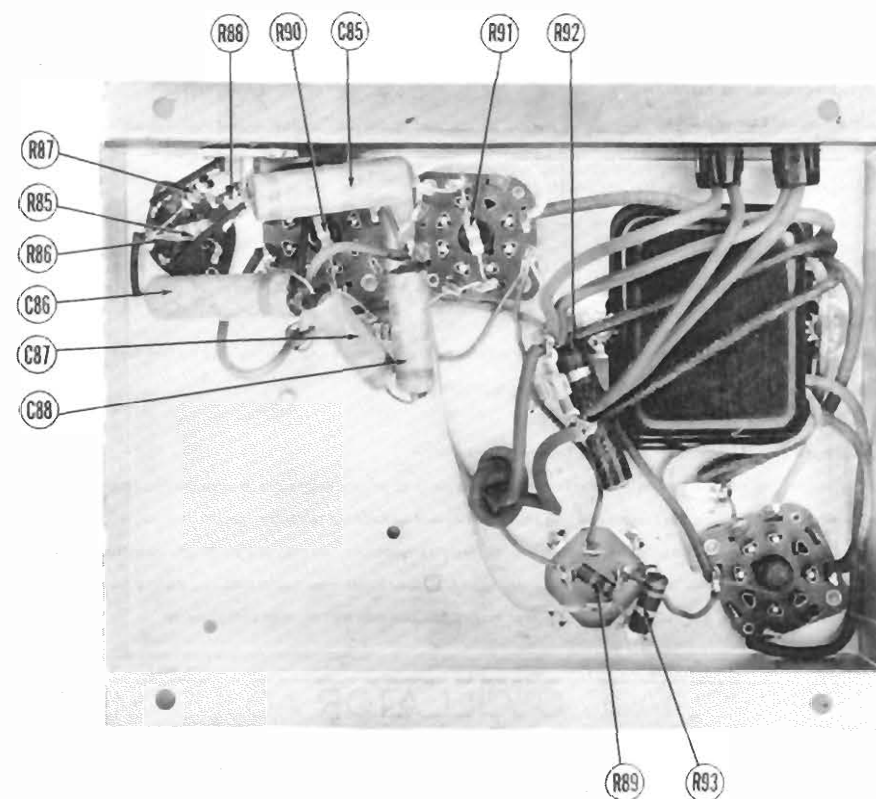
- Turn the picture expander switch to "normal" (counter-clockwise).
- Adjust the height and vertical linearity controls until the picture is of proper height and is symmetrical from top to bottom. These two controls are interacting and will require alternate adjustment to obtain proper results.
- Turn the picture expander to "large". Adjust the vertical linearity magnifier control, and the height magnifier control alternately until the picture is of proper magnified height, and is symmetrical from top to bottom. Each time the "normal" height and linearity controls are changed, the "magnified" controls will require readjustment.

HIGH VOLTAGE OSCILLATOR ADJUSTMENT

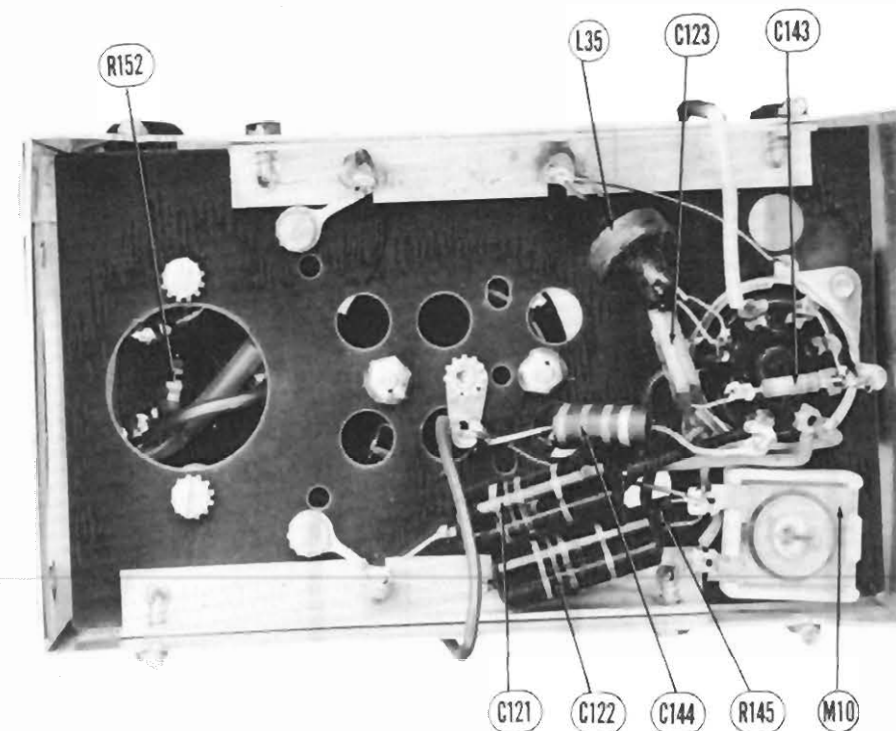
- Connect 18 one megohm, one watt resistors in series from the high voltage lead to chassis.
- Connect the high voltage multiplier probe of a VTVM to the high voltage lead. Connect the common lead to chassis.
- Adjust the high voltage oscillator adjustment trimmer (B2) until the meter reads approximately 9.3 kilovolts.



POWER SUPPLY CHASSIS—TOP VIEW



POWER SUPPLY CHASSIS—BOTTOM VIEW



HIGH VOLTAGE SUPPLY—BOTTOM VIEW

DISASSEMBLY INSTRUCTIONS

TV CHASSIS

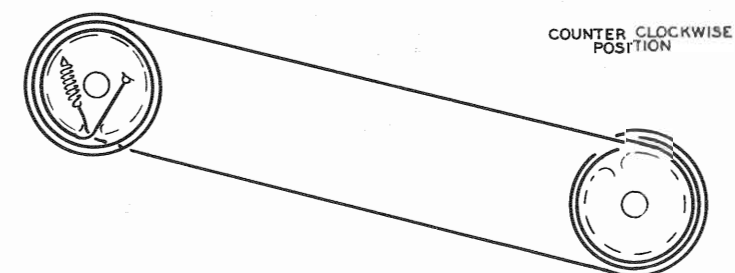
1. Remove twelve push-on type control knobs.
2. Remove eight screws holding rear cover and remove.
3. Disconnect power and phono plugs from TV chassis.
4. Disconnect three built-in antenna leads at screw connections.
5. Disconnect amplifier plug from chassis.
6. Remove screw holding dial lamp and pull lead through hole in cabinet.
7. Remove six screws holding antenna dial system at top of cabinet and remove.
8. Remove antenna tuning knob at front and push shaft to rear and remove.
9. Remove two screws holding upper chassis bracket. Remove two 7/16" hex head bolts holding chassis at bottom.
10. Remove bracket holding picture tube frame. Remove chassis.

AMPLIFIER CHASSIS

1. Disconnect amplifier and speaker plugs from chassis.
2. Disconnect phono power plug at phono connection.
3. Remove four screws holding amp chassis and remove.

SPEAKER

1. Remove four screws holding bottom phono cover. Remove cover.
2. Remove seven screws holding screen type speaker cover. Remove cover.
3. Remove four screws holding speaker. Remove speaker.



ANTENNA DRIVE CORD STRINGING

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	WESTINGHOUSE PART No.	JENSEN PART No.	QUAM PART No.	
SP1	PM	40	V-9335	ST-120 MOD. P10-S③	10A31	③ Replace output transformer to match 6-8Ω voice coil.
SP2	CONE DIA. 9 1/4"	V. C. DIA. 1"				

FILTER CHOKE

ITEM No.	RATINGS		REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (1000 μ)	WESTING. PART No.	STANCOR PART No.	MERIT PART No.	
L1	.270A	41.5Ω	1.4 Henry	V-6471	C-2326	C-2996	• Drill one new mounting hole. • Cut tips off feet and file slots.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	WESTINGHOUSE PART No.	MEISSNER PART No.	
L2	Ant. Trans.	.10	.10			Part of tuner
L3	Fil. Choke	.10				Part of tuner
L4	Fil. Choke	.10				Part of tuner
L5	Fil. Choke	.10				
L6	1st Video IF	.50		V-9231		
L7	2nd Video IF	.50		V-6459		
L8	RF Choke	3.50		V-5902-7		
L9	3rd Video IF	.50		V-6459		
L10	RF Choke	3.50		V-5902-7		
L11	4th Video IF	.50		V-6459		
L12	4th Video IF	.50		V-6459		
L13	Cath. Trap	.50	.50	V-5899		
L14	Peaking	3.50		V-5902-7		
L15	5th Video IF	.50		V-6459		
L16	Peaking	5.00		V-5902-4		
L17	Peaking	5.00		V-5902-1		
L18	Peaking	80		V-5902-5		
L19	FM RF Coil	00		V-5317-2		
L20	FM Mixer	00		V-9355		
L21	FM Osc.	00		V-9353		
L22	RF Choke	20		V-4886-4		
L23	Parasitic Supp.	00		V-4886-10		
L24	Loop Ant.	.10		V-4886-7		Wound on 22Ω resistor
L25	AM Ant. Loading	20		V-5982-2		
L26	AM Osc.	90		V-6157		White identification dot. Tapped at .20
L27	Fil. Choke	00		V-9352		
L28	1st FM IF	2.50	2.50	V-4886-2		
L29	1st AM IF	17.60	17.60	V-9371		
L30	2nd FM IF	2.50	2.50	V-6130-1		
L31	2nd AM IF	17.50	17.50	V-9370		
L32	Ratio Det.			V-6130-2		
L33	Trans.	80	10	V-9340		
L34	Ringing	1000		V-6764		
L35	Fil. Choke	30		V-4886-2		Red identification dot.
L36	RF Choke	230		V-9279-1		
L37	Fil. Choke	.20		V-4886-1		
L38	Fil. Choke	.20		V-9099-1		
L39	Fil. Choke	.20		V-9099-1		
L40	Fil. Choke	.20		V-9099-1		
L41	Fil. Choke	.20		V-9099-1		
L42	Fil. Choke	.20		V-9099-1		

PHONO CARTRIDGE and NEEDLE

ITEM No.	REPLACEMENT DATA				REMARKS
	WESTINGHOUSE PART No.	ASTATIC PART No.	SHURE PART No.		
M1		ACD-J	"C"		

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					WESTINGHOUSE PART No.		
M2	Bayonet	6-8	.25	Blue	44		Type #44

MISCELLANEOUS

ITEM No.	PART NAME	WESTINGHOUSE PART No.	NOTES
M3	RF Tuner	V-8209	
M4	Crystal	V-6962-1	N34 Video Det.
M5	Switch	V-9295	Phono-AM-FM-TV-UHF
M6	Switch	V-6966	Magnetron
M7	Tuning Cap.	V-9349	AM-FM
M8	FM Dipole	V-5966-2	
M9	TV Antenna	V-9455-1	
M10	Trimmer	V-6454	
M11	Trimmer	V-9398	HV Osc.
	Knob	V-9333-1	4.5 MC Trap
	Knob	V-9333-2	Door, Mahogany
	Knob	V-6146-1	Door, Blonde
	Knob	V-6146-6	Contrast, Tone, Horiz. Hold, On-Off Mahogany
	Knob	V-9104-3	Contrast, Tone Horiz. Hold, On-Off Blonde
	Knob	V-9104-2	Picture Expander, Rear
	Knob	V-9104-1	AM-FM Tuning, Rear
	Knob	V-9104-4	Brightness, Vol., Vert. Hold
	Knob	V-6284-2	Fine Tuning
	Knob	V-6284-3	Ch. Sel., Band Sel., Picture Expander Mahogany
	Knob	V-5698-2	Ch. Sel., Band Sel., Picture Expander Blonde
	Knob	V-5698-1	TV Antenna Mahogany
	Knob	V-5698-1	TV Antenna Blonde

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		WESTINGHOUSE PART No.	STANDARD REPLACEMENT		
V1	RF Amp.	6AG5	6AG5	7BD	
V2	Mixer	6AG5	6AG5	7BD	
V3	Oscillator	6C4	6C4	6BG	
V4	1st Video IF	6BH6	6BH6	7CM	
V5	2nd Video IF	6BH6	6BH6	7CM	
V6	3rd Video IF	6BH6	6BH6	7CM	
V7	4th Video IF	6BJ6	6BJ6	7CM	
V8	AGC Keying	6BH6	6BH6	7CM	
V9	Video Amp.	6AH6	6AH6	7BK	
V10	FM RF Amp. -FM Mixer	12AT7	12AT7	9A	
V11	FM Osc. -AM Conv.	6BE6	6BE6	7CH	
V12	1st Sound IF	6BJ6	6BJ6	7CM	
V13	2nd Sound IF -FM AVC	6BH6	6BH6	7CM	
V14	Ratio Det.	6AL5	6AL5	6BT	
V15	DET. -AVC-AF	6AV6	6AV6	7BT	
V16	Phase Inv.	6C4	6C4	5BG	
V17	Audio Output	6V6GT	6V6GT	7AC	
V18	Audio Output	6V6GT	6V6GT	7AC	
V19	1st Sync. Amp. - Sync. Sep.	12AT7	12AT7	9A	
V20	2nd Sync. Amp. - Phase Inv.	12AU7	12AU7	9A	
V21	Vert. Mult.	12AU7	12AU7	9A	
V22	Vert. Output	6V6GT	6V6GT	7AC	
V23	Hor. AFC	6AL5	6AL5	6BT	
V24	Hor. Mult.	12AU7	12AU7	9A	
V25	Hor. Output	6BQ6GT	6BQ6GT	6AM	
V26	Hor. Output	6BQ6GT	6BQ6GT	6AM	
V27	Damper	6W4GT	6W4GT	4CG	
V28	HV Osc.	6Y6G	6Y6G	7AC	
V29	HV Rectifier	1B3GT	1B3GT	3C	
V30	LV Rectifier	5U4G	5U4G	5T	
V31	LV Rectifier	5U4G	5U4G	5T	
V32	Rectifier	5Y3GT	5Y3GT	5T	
V33	Picture Tube	12KP4A	12KP4A	12D	

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				IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT	WESTINGHOUSE PART No.	AEROVOX PART No.	CENTRALAB PART No.	ERIE PART No.		SPRAGUE PART No.
C1A	30	450	V-6978	AF666J			TVL-314	▲ Filter
C1B	30	450						■ Filter
C1C	30	450						▲ Filter
C2A	80	400	V-6977	AF6222J			TVL-410	■ Filter
C2B	10	400						■ V. Output Screen Bypass
C2C	10	400						▲ Horiz. MV Decoupling
C2D	10	400						Decoupling
C3	30	450	V-6570	PRS450/30			TVA-23	Vert. Output Decoupling
C4	30	450	V-6570	PRS450/30			TVA-23	Video Output Decoupling
C5	150	50	V-9009-1	PRS50/100			TVA-16	Vert. Output Cath. Bypass
				PRS50/50			TVA-17	
C6	2	50	V-4880	PRS150/4			TVA-12	Stabilizing Cap.
C7	10	350	V-9351	PRS350/10			TVA-21	Osc. Anode Bypass
C8A	20	400	V-6121	AF444J4A			EL-442	■ Filter
C8B	20	400						■ Filter
C8C	10	350						▲ Decoupling
C8D	20	25						Output Cathode Bypass
C9	25			GP25K	D6-250	GP1K-25		RF Coupling
C10	680			GP680M	D6-681	GP2K-680		AGC Filter
C11	680			GP680M	D6-681	GP2K-680		RF Screen Bypass
C12	680			GP680M	D6-681	GP2K-680		RF Filament Bypass
C13	25			GP25K	D6-250	GP1K-25		RF Coupling
C14	.47							RF Coupling
C15	.5				D2-.5			RF Coupling
C16	1.5			CN1.5CNPO	D2-1.5	NPOK-1.5		RF Coupling
C17	15			GP15K	D6-150	GP1K-15		RF Coupling
C18	5000			BPD-5	D6-502	811-005	29C1	Mixer Screen Bypass
C19	1.5			CN1.5CNPO	D2-1.5	NPOK-1.5		Osc. Coupling
C20	680			GP680M	D6-681	GP2K-680		Osc. Feedback
C21	3			CN3DN150	D6-3	N150K-3		Fixed Trimmer
C22	680			GP680M	D6-681	GP2K-680		Osc. Filament Bypass
C23	680			GP680M	D6-681	GP2K-680		RF Bypass
C24	680			GP680M	D6-681	GP2K-680		RF Bypass
C25	5000		V-5596	BPD-5	D6-502	811-005	29C1	Filament Bypass
C26	150		RCM20B151K	1468-00015	D6-151	GP2K-150	1FM-315	IF Coupling
C27	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	Mixer Plate Decoupling
C28	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	RF Bypass
C29	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	AGC Filter
C30	4.7		V-5658-6	CN4.7DNPO	D2-4.7	NPOK-4.7		Fixed Trimmer
C31	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	1st V. IF Screen Bypass
C32	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	1st V. IF Plate Decoupling
C33	270		RCM20B271K	1468-00025	D6-271	GP2K-270	1FM-325	IF Coupling
C34	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	AGC Filter
C35	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	2nd V. IF Screen Bypass
C36	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	2nd V. IF Plate Decoupling
C37	270		RCM20B271K	1468-00025	D6-271	GP2K-270	1FM-325	IF Coupling
C38	.01	400	V-6023-4103M	P488-.01	D6-103	811-01	TM-11	AGC Filter
C39	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	3rd V. IF Cath. Bypass
C40	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	3rd V. IF Screen Bypass
C41	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	3rd V. IF Decoupling
C42	270		RCM20B271K	1468-00025	D6-271	GP2K-270	1FM-325	IF Coupling
C43	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	4th V. IF Cathode Bypass
C44	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	4th V. IF Fil. Bypass
C45	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	4th V. IF Screen Bypass
C46	1500		R5CC26ZY152M	GP1500M	D6-152	GP2L-0015	1FM-215	4th V. IF Decoupling
C47	270		RCM20B271K	1468-00025	D6-271	GP2K-270	1FM-325	IF Coupling
C48	4.7		V-5658-6	CN4.7CNPO	D2-4.7	NPOK-4.7	MS-55	Fixed Trimmer
C49	4.7		V-5658-6	GP5K	D2-4.7	NPOK-4.7	MS-55	V. Diode Filter
C50	.1	400	V-6023-4104M	P488-.1	D2-4.7	NPOK-4.7	TM-1	Video Coupling

WESTINGHOUSE MODELS H-603C12, H-608C12 (Ch. V-2152-01 and V-2149-3)

PARTS LIST AND DESCRIPTIONS (Continued)

CONTROLS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE	WATTS	WESTINGHOUSE PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R7A	5000Ω	1	V-6463	QH-114	AM-19-S	AN-10	Vert. linearity control Attach to R7A per instructions Width control-Wire Wound Focus control-Wire Wound
B	Shaft		Not Req.	RQ	KSS-3 #	AK-1	
R8	5000Ω	4	V-6500-1		10-5000 #	V-135 #	
R9	400Ω	4	V-5908		10-400 #	V-126 #	

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

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA				IDENTIFICATION CODES
	RESISTANCE	WATTS	WESTINGHOUSE PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R10	1000Ω			BTS-1000			RF Grid
R11	1000Ω 20%			BTS-1000			RF Screen
R12	10KΩ			BTS-10K			RF Plate
R13	10KΩ			BTS-10K			RF Plate Coil Shunt
R14	4700Ω			BTS-4700			Mixer Grid Coil Shunt
R15	1 Meg. 20%			BTS-10K			Mixer Grid
R16	42KΩ			BTS-10K			Mixer Screen
R17	22KΩ 20%			BTS-1000			Osc. Grid
R18	470Ω 20%			BTS-1000			Osc. Cathode
R19	6800Ω 20%			BTS-1000			Osc. Plate
R20	2000Ω		V-6984-1	AB-2000			Decoupling-Wire Wound
R21	1000Ω 20%		RC20AE102M	BTS-1000			Mixer Plate Decoupling
R22	22KΩ		RC20AE223K	BTS-22K			Voltage Divider
R23	10KΩ		RC20AE103K	BTS-10K			AGC Network
R24	12KΩ		RC20AE123K	BTS-12K			1st Video IF Grid
R25	100Ω		RC20AE101K	BTS-100K			1st Video IF Cathode
R26	1000Ω 20%		RC20AE102M	BTS-1000			1st Video IF Screen Decoupling
R27	1000Ω 20%		RC20AE102M	BTS-1000			1st Video IF Plate Decoupling
R28	10KΩ 20%		RC20AE103K	BTS-10K			AGC Network
R29	10KΩ		RC20AE103K	BTS-10K			2nd Video IF Grid
R30	100Ω		RC20AE101K	BTS-100K			2nd Video IF Cathode
R31	1000Ω 20%		RC20AE102M	BTS-1000			2nd Video IF Screen Decoupling
R32	1000Ω 20%		RC20AE102M	BTS-1000			2nd Video IF Plate Decoupling
R33	2.2 Meg.		RC20AE225K	BTS-2.2 Meg.			AGC Network
R34	22KΩ		RC20AE224K	BTA-22K			AGC Keying Plate Load
R35	6800Ω		RC20AE682K	BTS-68K			3rd Video IF Coil Shunt
R36	68Ω		RC20AE680K	BTS-68K			3rd Video IF Screen
R37	100KΩ		RC20AE104K	BTS-100K			3rd Video IF Decoupling
R38	1000Ω 20%		RC20AE102M	BTS-1000			4th Video IF Cathode
R39	4700Ω		RC20AE472K	BTS-4700			4th Video IF Coil Shunt
R40	68Ω		RC20AE680K	BTS-68K			4th Video IF Cathode
R41	47KΩ		RC20AE473K	BTA-47K			4th Video IF Screen
R42	1000Ω 20%		RC20AE102M	BTS-1000			4th Video IF Decoupling
R43	4700Ω		RC20AE472K	BTS-4700			AGC Keying Grid
R44	47KΩ		RC20AE473K	BTS-47K			AGC Keying Cathode
R45	10KΩ		RC20AE103K	BTS-10K			Voltage Divider
R46	10KΩ		RC20AE103K	BTS-10K			Voltage Divider
R47	4700Ω		RC20AE472K	BTS-4700			Video Det. Load
R48	68KΩ		RC20AE683K	BTA-68K			Video Amp. Screen
R49	22KΩ		RC20AE223K	BTS-22K			Peaking Coil Shunt
R50	3600Ω 5%		RC20AE362J	BTS-36K			Video Amp. Plate
R51	10KΩ		RC41AE102K	BT-2-10K			Video Amp. Plate Decoupling
R52	47KΩ		RC20AE473K	BTS-47K			Voltage Divider
R53	68KΩ		RC20AE683K	BTS-68K			Picture Tube Cathode
R54	47KΩ		RC20AE473K	BTS-47K			Voltage Divider
R55	3000Ω		V-9375-1	DG-3000			Filter-Wire Wound
R56	15Ω 20%		RC10AE150M	BTS-15K			Parasitic Supp.
R57	82Ω		RC10AE820K	BTS-82K			FM RF Cathode
R58	10KΩ		RC40AE103K	BTS-10K			FM RF Plate Decoupling
R59	470KΩ 20%		RC10AE474M	BTS-470K			FM Mixer Grid
R60	1000Ω		RC10AE102K	BTS-1000			FM Mixer Plate Decoupling
R61	2200Ω 20%		RC20AE222K	BTS-2200			AM Ant. Shunt
R62	33Ω		RC10AE330K	BTS-33K			Parasitic Supp.
R63	22KΩ		RC10AE223K	BTS-22K			Osc. Grid
R64	15KΩ		RC20AE153K	BTS-15K			AM Conv. Plate Decoupling
R65	47KΩ		RC30AE473K	BTS-47K			Osc. Anode
R66	22KΩ		RC40AE223K	BTS-22K			Osc. Anode
R67	1 Meg. 20%		RC10AE105M	BTS-1 Meg.			AVC Network
R68	100Ω		RC20AE101K	BTS-100K			1st Sound IF Cathode
R69	47KΩ		RC30AE473K	BTA-47K			1st Sound IF Screen
R70	5600Ω		RC30AE562K	BTS-56K			1st Sound IF Plate Decoupling
R71	1 Meg.		RC20AE105K	BTS-1 Meg.			AVC Network
R72	100KΩ		RC20AE104K	BTS-100K			2nd Sound IF Grid
R73	68KΩ		RC30AE683K	BTS-68K			2nd Sound IF Decoupling
R74	1 Meg.		RC20AE105K	BTS-1 Meg.			AVC Network
R75	47KΩ		RC20AE473K	BTS-47K			Diode Filter
R76	470KΩ		RC20AE474K	BTS-470K			Diode Load
R77	100Ω		RC20AE101K	BTS-100K			Balancing
R78	33KΩ		RC20AE333K	BTS-33K			De-emphasis
R79	6800Ω 5%		RC20AE682J	BTS-6800-5%			Ratio Det. Diode Load
R80	6800Ω 5%		RC20AE682J	BTS-6800-5%			Ratio Det. Diode Load
R81	22KΩ		RC20AE223K	BTS-22K			Tone Compensation
R82	10 Meg. 20%		RC20AE106M	BTS-10 Meg.			AF Amp. Grid
R83	470KΩ		RC20AE474K	BTS-470K			AF Amp. Plate
R84	150KΩ		RC20AE154K	BTS-150K			AF Amp. Plate Decoupling
R85	470KΩ 20%		RC20AE474M	BTS-470K			Phase Inv. Grid
R86	3000Ω 20%		RC20AE302M	BTS-3000			Phase Inv. Cathode
R87	47KΩ		RC20AE473K	BTS-47K			Phase Inv. Plate
R88	47KΩ		RC20AE473K	BTS-47K			Phase Inv. Plate Decoupling
R89	10KΩ		RC20AE103K	BTS-10K			Output Grid
R90	470KΩ 20%		RC20AE474M	BTS-470K			Output Grid
R91	470KΩ 20%		RC20AE474M	BTS-470K			Output Cathode
R92	200Ω			BW-2-220			Filter
R93	6800Ω		RC30AE682K	BTA-6800			Voltage Divider
R94	1 Meg.		RC20AE105K	BTS-1 Meg.			Charge Limiting
R95	470KΩ		RC20AE474K	BTS-470K			Sync. Sep. Grid
R96	1 Meg.		RC20AE105K	BTS-1 Meg.			Sync. Sep. Plate
R97	150KΩ		RC20AE154K	BTS-150K			Voltage Divider
R98	22KΩ		RC20AE223K	BTS-22K			2nd Sync. Amp. Grid
R99	1 Meg.		RC20AE105K	BTS-1 Meg.			2nd Sync. App. Cathode
R100	1000Ω 20%		RC20AE102M	BTS-1000			2nd Sync. Amp. Cathode
R101	330Ω		RC20AE331K	BW-1-330			2nd Sync. Amp. Plate
R102	15KΩ		RC20AE153K	BTS-15K			2nd Sync. Amp. Grid
R103	2.2 Meg.		RC20AE225K	BTS-2.2 Meg.			Sync. Phase Inv. Grid
R104	2700Ω		RC20AE272K	BTS-2700			Sync. Phase Inv. Cathode
R105	2700Ω		RC20AE272K	BTS-2700			Sync. Phase Inv. Plate

RESISTORS (CONT.)

ITEM No.	RATING		REPLACEMENT DATA				IDENTIFICATION CODES
	RESISTANCE	WATTS	WESTINGHOUSE PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R106A	22KΩ			BTS-22K			Integrator Network-See Note 1
B	8200Ω			BTS-8200			Integrator Network-See Note 1
C	8200Ω			BTS-8200			Integrator Network-See Note 1
R107	1000Ω		RC20AE102K	BTS-1000			Vert. MV Cathode
R108	100KΩ		RC20AE104K	BTS-100K			Vert. MV Plate
R109	470KΩ		RC20AE474K	BTS-470K			Vert. MV Grid
R110	390KΩ 5%		RC20AE394J	BTS-390K-5%			Vert. MV Plate
R111	47KΩ		RC20AE473K	BTS-47K			Vert. MV Plate Decoupling
R112	4700Ω		RC20AE472K	BTS-4700			Vert. Peaking
R113	2.2 Meg.		RC20AE225K	BTS-2.2 Meg.			Vert. Output Grid
R114	470Ω		RC20AE471K	BTS-470			Vert. Output Cathode
R115	470Ω		RC20AE471K	BTS-470			Vert. Output Decoupling
R116	220KΩ		RC30AE224K	BTA-220K			Feedback Network
R117	220KΩ		RC30AE224K	BTA-220K			Feedback Network
R118	68KΩ		RC20AE683K	BTS-68K			Horiz. AFC Load
R119	100KΩ 5%		RC20AE104J	BTS-100K-5%			Horiz. AFC Load
R120	100KΩ 5%		RC20AE104J	BTS-100K-5%			Horiz. AFC Load
R121	4.7 Meg. 20%		RC20AE475M	BTS-4.7 Meg.			Horiz. AFC Load
R122	470KΩ		RC20AE474K	BTS-470K			Horiz. AFC Filter Network
R123	100Ω		RC20AE101K	BTS-100K			Horiz. MV Cathode
R124	1800Ω		RC20AE182K	BTS-1800			Horiz. MV Cathode
R125	220KΩ 5%		RC20AE224J	BTS-220K-5%			Horiz. MV Grid
R126	27KΩ		RC20AE273K	BTS-27K			Horiz. MV Grid
R127	5600Ω		RC20AE562K	BTS-5600			Horiz. MV Plate
R128	33KΩ		RC30AE333K	BTA-33K			Horiz. MV Plate Decoupling-See Note 2
R129	220KΩ		RC20AE224K	BTS-220K			Horiz. MV Plate
R130	10KΩ		RC20AE103K	BTS-10K			Horiz. MV Plate Decoupling
R131	27KΩ		RC20AE273K	BTS-27K			Horiz. Peaking
R132	120Ω		RC20AE121K	BTS-120K			Parasitic Supp.
R133	100KΩ		RC20AE104K	BTS-100K			Horiz. Output Grid
R134	33Ω 20%		RC20AE330M	BTS-33K			Parasitic Supp.
R135	33Ω 20%		RC20AE330M	BTS-33K			Parasitic Supp.
R136	120Ω		RC20AE121K	BTS-120K			Parasitic Supp.
R137	33Ω 20%		RC20AE330M	BTS-33K			Parasitic Supp.
R138	33Ω 20%		RC20AE330M	BTS-33K			Parasitic Supp.
R139	150Ω			AB-150			Horiz. Output Cathode-Wire Wound
R140	10KΩ		V-6984-5	AB-10,000			Horiz. Output Screen-Wire Wound
R141	2000Ω		V-6984-1	AB-2000			Horiz. Damper Plate-Wire Wound
R142	110Ω		V-4758				Focus Coil Shunt-Wire Wound
R143	68KΩ		RC20AE683K	BTS-68K			HV Osc. Grid
R144	33KΩ		RC41AE333K	BTA-33K			HV Osc. Screen-See Note 3
R145	68Ω		RC20AE680K	BTS-68K			Parasitic Supp.
R146	560Ω		V-6984-6				HV Osc. Decoupling-Wire Wound
R147	3300Ω		RC30AE332K	BTA-3300			Voltage Divider
R148	3300Ω		RC30AE332K	BTA-3300			Voltage Divider
R149	3300Ω		RC30AE332K	BTA-3300			Voltage Divider
R150	2450Ω		V-9085-3				Filter-Wire Wound
R151	100Ω		RC20AE101K	BW-1-100			Power Supply Protection
R152	100KΩ		RC20AE104K	BTS-100K			HV Filter

Note 1. Items C94A, C94B, C94C, R106A, R106B and R106C are combined into one unit obtainable under MFGR'S Part No. V-9213.

Note 2. Some models use 10KΩ resistor in this application.

Note 3. Some models use 68KΩ resistor in this application.

TRANSFORMER (POWER)

ITEM No.	RATING		REPLACEMENT DATA				CHICAGO PART No.
	PRI.	SEC. 1	SEC. 2	SEC. 3	WESTINGHOUSE PART No.	STANCOR PART No.	
T1	117VAC	660VCT	5VAC	12.6VCT	V-6988	P-8156 ②	TP-365
T2	117VAC	620VCT	5VAC	6.3VAC	V-6951	P-6011 ②	PH-70B

② Add series resistor to reduce plate voltage.

TRANSFORMER (FILAMENT)

ITEM No.	RATING		REPLACEMENT DATA				CHICAGO PART No.
	PRI.	SEC. 1	SEC. 2	SEC. 3	WESTINGHOUSE PART No.	STANCOR PART No.	
T3	117VAC	6.3VAC	1.2A		V-6481-2	P-6134 ①	FO-6

① Drill one new mounting hole.

TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE	SEC.	WESTINGHOUSE PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T4	440Ω	12.5Ω	V-9230-2	A-8112 ②	A-3036 ③	TSO-5	Hor. Choke
T5	650Ω		V-6981-2				Vert. Output Trans.
T6A	36Ω		V-6486-2				Hor. Deflection Coil
B	65Ω						Vert. Deflection Coil
T7	250Ω		V-5900-2	FC-10	MF-3		Focus Coil
T8	2Ω	700Ω	V-9280-3				High Voltage Trans.

TRANSFORMER (AUDIO OUTPUT)

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