

CABINET-REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Tune in a TV station and set all controls for normal operation. Connect a clip lead across the Horizontal Stabilizer coil (Horizontal Hold control).

Adjust Horizontal Range control, R5A, until picture is in sync. Remove clip lead from Horizontal Stabilizer coil and adjust horizontal hold until picture is in sync.

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

1. Remove 4 screws holding back cover and remove back cover. On some models it may be necessary to disconnect antenna leads. Remove all knobs.
2. Disconnect high voltage anode lead, picture tube socket, and speaker leads.
3. Remove 4 screws holding chassis and 3 screws holding tuner and controls.
4. Lift out chassis and tuner.

NOTE: Most components may be serviced without removing chassis.

PICTURE TUBE REMOVAL

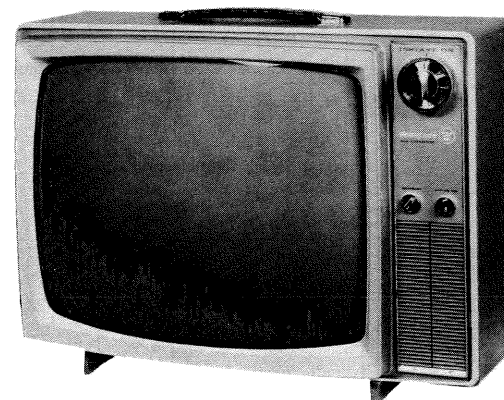
1. Follow "Chassis Removal" procedure. Lay set face down on a soft protective surface.
2. Remove 1 screw holding picture tube retainer wire and lift out picture tube. Do not lift out by the neck of the tube.

SET 809 FOLDER 4

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

PHOTOFACT® Folder

with CIRCUITRACE®



MODEL H-P3056A

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

IMPORTANT FILING NOTICE

Some models covered by this PHOTOFACT Folder employ chassis in addition to the TV chassis. PHOTOFACT Folders covering these additional chassis are packaged immediately behind this Folder and should be filed with this Folder in the yellow filing jacket provided. For specific coverage see index below.

INDEX

Remote Control Receiver
Chassis V-2477-1 SET 809, FOLDER 4-A

CAUTION

ONE SIDE OF AC LINE CONNECTED TO CHASSIS

TRADE NAME	Westinghouse Models	Chassis	Models	Chassis
	H-K3628A, H-K3629A ...	V-2486-12	H-P3065A	V-2486-3
	H-P3051A, H-P3052A ...	V-2486-1	(with Remote Control Receiver V-2477-1)	
	H-P3056A, H-P3057A ...	V-2486-4	H-P3075, H-P3076 ...	V-2486-13
	H-P3061A, H-P3062A ...	V-2486-2	H-T3620	V-2486-11
SUPPLIER	For current address, see Annual Index.			
TYPE SET	Television Receiver			
TUBES	VHF - Fourteen, UHF - One Transistor			
POWER SUPPLY	110-120 Volts AC, 60 Cycles			
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)			
		RATING	98 Watts, 1.3 Amps. @ 117 Volts AC	

SERVICING IN THE FIELD

SAFETY GLASS

The safety glass is an integral part of the picture tube.

FUSE OR FUSE DEVICE

A 1 3/4 Amp. fuse is used for low voltage power supply protection. (See "Tube Placement Chart" for location.)

VHF OSCILLATOR ADJUSTMENT

The Fine Tuning mechanically engages oscillator slug for adjustment (one slug for each channel).

AGC

The AGC may be varied by means of a Trimmer.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horizontal Range Control, R5A. (See "Tube Placement Chart" for location.)

HORIZ. OSC. FIELD ADJ. CONTINUED

The Horizontal Frequency Slug is used for the horizontal hold. (See "Tube Placement Chart" for location.)

LINEARITY

The linearity may be varied by adjusting a metallic sleeve, located between the yoke and the picture tube neck.

WIDTH

To increase width, ground black lead from junction of C60 and C6 (near high voltage cage).

FOCUS

No provision is made to vary the focus on this receiver.

CENTERING

Centering is accomplished by 2 magnetic rings located on yoke rear cover.

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



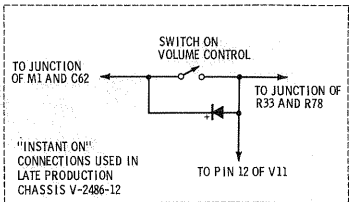
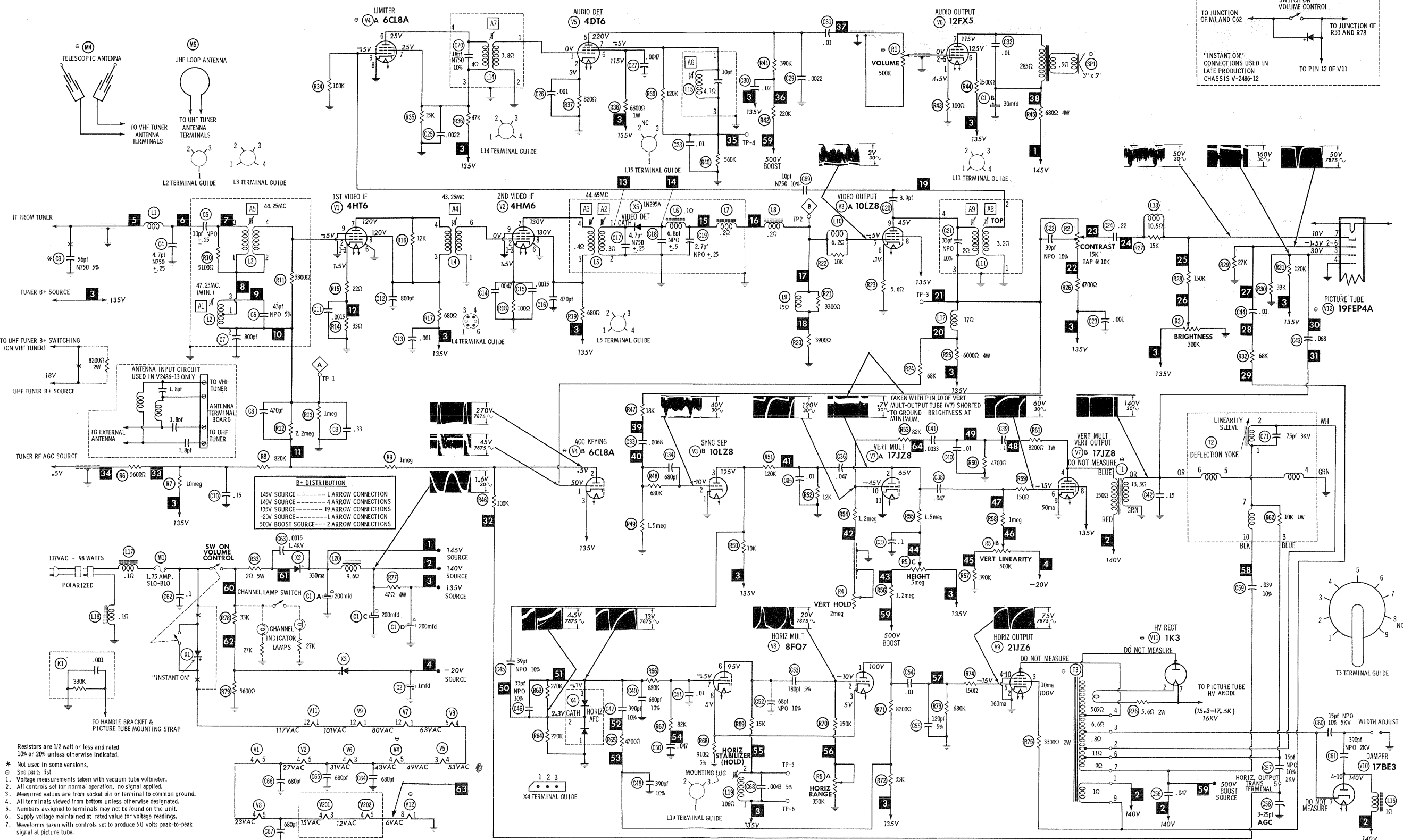
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. NA650

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DATE 4-66 SET 809 FOLDER 4

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

SET 809 FOLDER 4



WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4

- Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.
- * Not used in some versions.
- See parts list
1. Voltage measurements taken with vacuum tube voltmeter.
 2. All controls set for normal operation, no signal applied.
 3. Measured values are from socket pin or terminal to common ground.
 4. All terminals viewed from bottom unless otherwise designated.
 5. Numbers assigned to terminals may not be found on the unit.
 6. Supply voltage maintained at rated value for voltage readings.
 7. Waveforms taken with controls set to produce 50 volts peak-to-peak signal at picture tube.

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with **CIRCUITRACE**
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SEE "INSTANT ON" CIRCUIT AT TOP, PAGE 19.
SEE POWER SUPPLY CIRCUITS IN FOLDER 4-A.

IN SOME VERSIONS, A 270K RESISTOR CONNECTS BETWEEN BRIGHTNESS
CONTROL AND 135V SOURCE.
IN SOME VERSIONS C60 IS 100pf 4K.
IN SOME VERSIONS C61 IS 150pf 3K.

RESISTANCE MEASUREMENTS

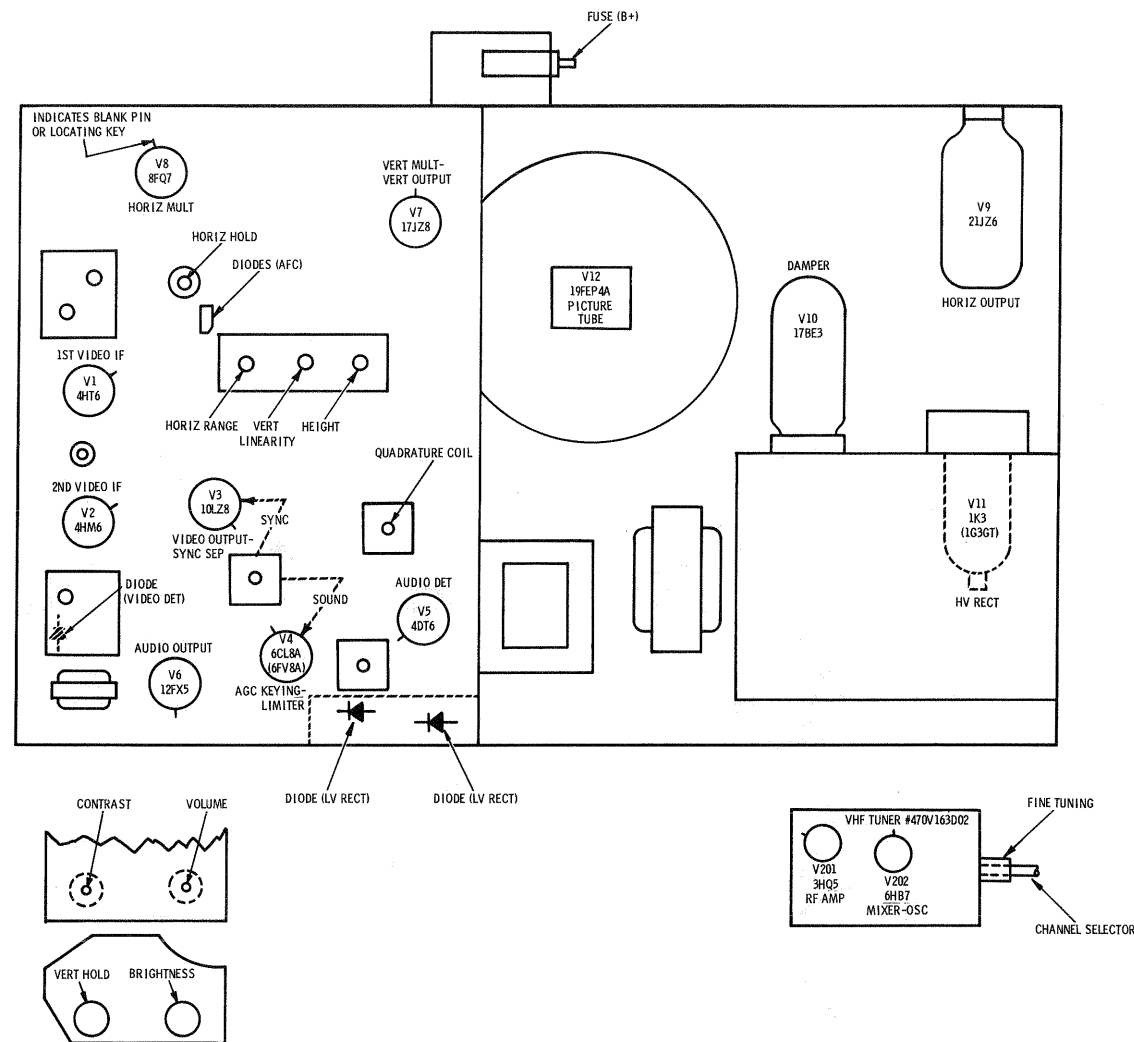
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
V1	4HT6	55Ω	1meg	55Ω	6Ω	7Ω	0Ω	730Ω †	730Ω †	0Ω			
V2	4HM6	100Ω	0Ω	100Ω	7Ω	8Ω	0Ω	730Ω †	730Ω †	0Ω			
V3	10LZ8	0Ω	2.1meg	10K †	13Ω	15Ω	5.6Ω	170Ω ●	57Ω †	4800Ω †			
V4	6CL8	72K †	3.5meg #	57Ω †	11Ω	12Ω	14K †	14K †	0Ω	100K			
V5	4DT6	3.8Ω	820Ω	12Ω	13Ω	610K †	6800Ω †	560K					
V6	12FX5	100Ω	150K	11Ω	8Ω	150K	1500Ω †	965Ω †					
V7	17JZ8	15Ω	5meg †	NC	159.6Ω	NC	1.2meg	NC	57Ω †	0Ω	2.4meg	0Ω	20Ω
V8	8FQ7	41K †	200K	910Ω	6Ω	3Ω	15K †	1.2meg	910Ω	0Ω			
V9	21JZ6	20Ω	0Ω	3300Ω †	0Ω	680K	TP	NC	TP	NC	0Ω	NC	22Ω
V10	17BE3	22Ω	NC	TP	10.6Ω	NC	NC	6.5meg #	NC	NC	10.6Ω	0Ω	28Ω
V11	1K3	PINS 1 THRU 8 HAVE INFINITE RESISTANCE											TOP CAP 511.6Ω †
V12	19FEP4	0Ω	27K	30K	0Ω	NC	NC	150K	1Ω				
V201	3HQ5	3meg	0Ω	2.5Ω	3Ω	1250Ω †	0Ω	0Ω					
V202	6HB7	0Ω	220K	0Ω	2.5Ω	1Ω	1200Ω †	22K †	4700Ω †	3300Ω			
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12

THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
 ● READING DEPENDS ON POLARITY OF METER CONNECTIONS.
 † MEASURED FROM OUTPUT OF X2.

‡ MEASURED FROM PIN 7 OF V10.

NC NO CONNECTION
 TP TIE POINT

TUBE PLACEMENT CHART



TUBE FAILURE CHECK CHART

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

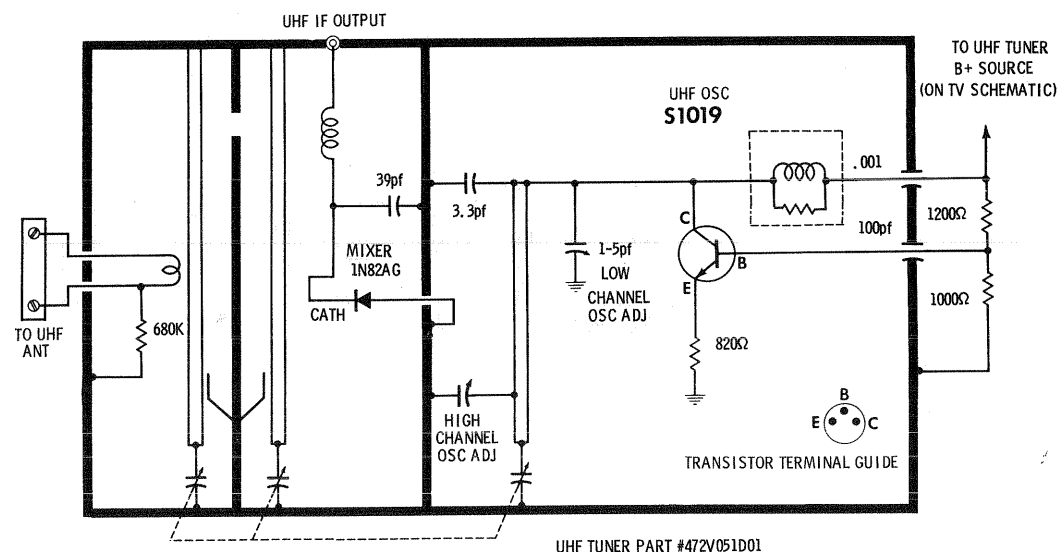
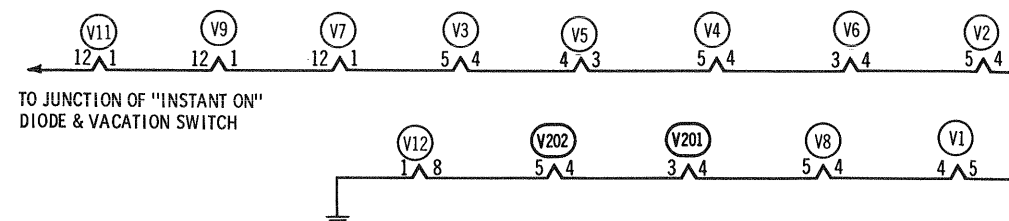
POWER SUPPLY FAILURE
 No raster, no sound Fuse M1, Rectifier X2, "Instant On" Diode X1

SWEEP FAILURE
 No raster, has sound V8, V9, V10, V11, V12
 No vertical deflection V7
 Poor vert. linearity or foldover V7
 Poor horiz. linearity or foldover V8, V9, V10
 Narrow picture V8, V9, V10, X2
 Vert. off freq. V7
 Horiz. off freq. AFC Diode X4, V8

LOSS OF PICTURE OR SOUND
 No pic, no sound, has raster V1, V2, Video Det. X5, V3
 No pic, no sound, has snow V201, V202, V1
 No pic, has sound, has raster V3, V12
 Has pic, no sound V4, V5, V6
 Overloaded picture V4

SYNC FAILURE
 No vert. sync V3
 No horiz. sync V3
 No vert. or horiz. sync V3

This receiver employs tubes used in a series filament network, an open filament in any tube will cause the set to be inoperative. (See circuit below.)

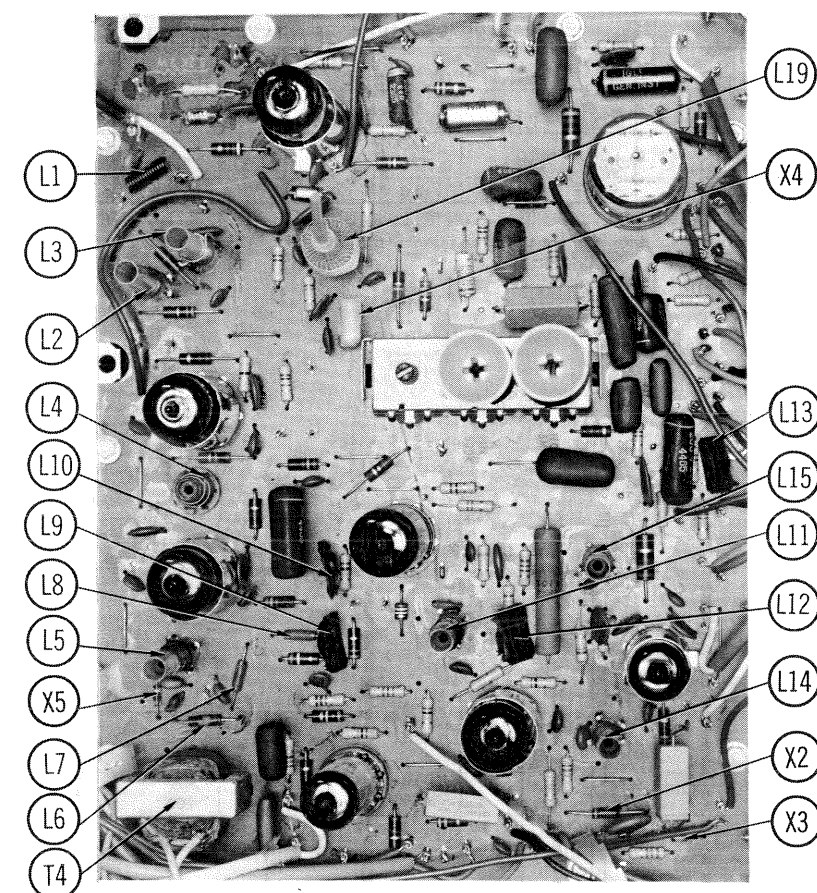
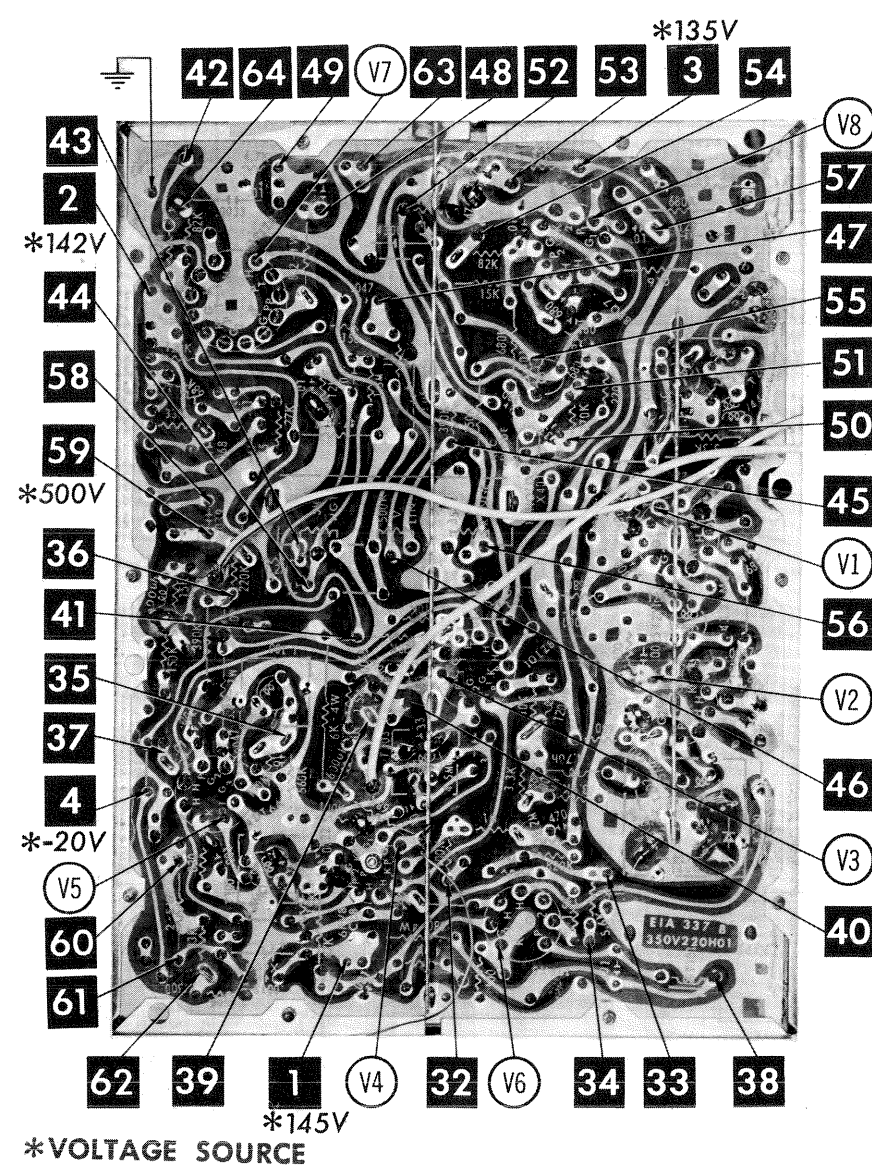


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UHF TUNER 472V051D01

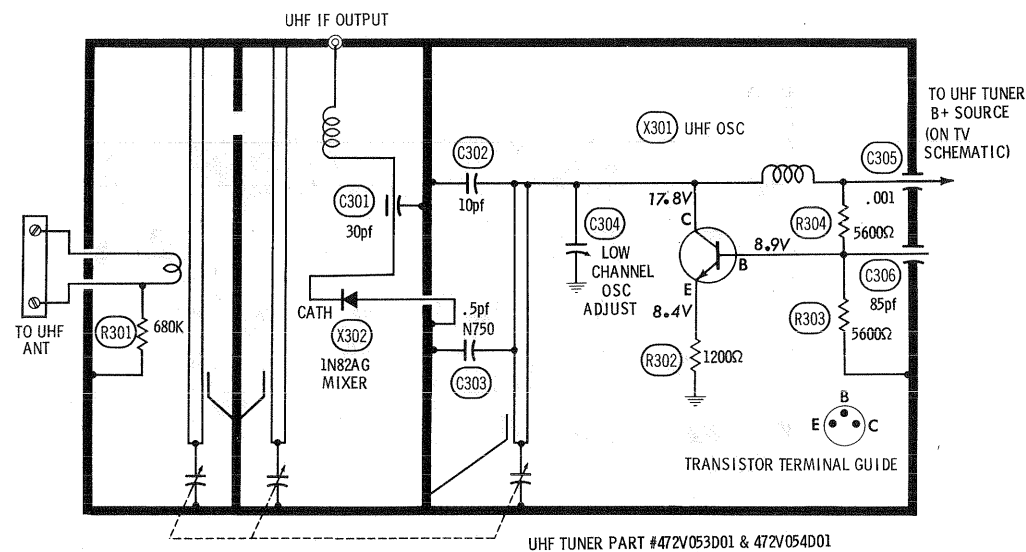
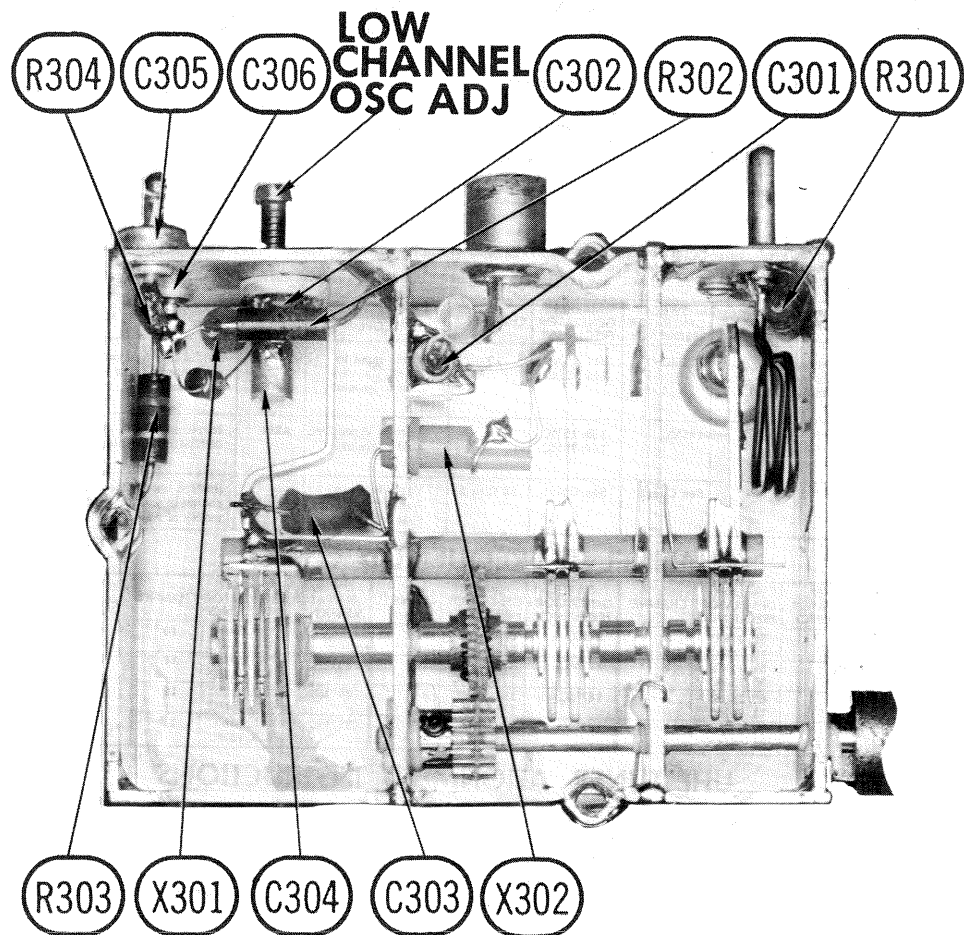
WESTINGHOUSE CHASSIS
 V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4



WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4



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UHF TUNERS 472V054D01, 472V053D01

ALIGNMENT INSTRUCTIONS

Use an isolation transformer and maintain voltage at 117 volts. Allow a 20-minute warm-up period for the receiver and test equipment.
Suggested Alignment Tools: A1 thru A9 GENERAL CEMENT #8606, 8869, 9302 ... WALSCO #2511, 2543, 2588
Mixer Plate Coil GENERAL CEMENT #9296, 9300, 9302 ... WALSCO #2510, 2511, 2547

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use only enough generator output to provide a usable indication. Note: Response may vary slightly from those shown. Connect a variable bias supply to the IF AGC line (point Δ) and adjust to obtain a response curve which shows no indication of overload. Disable Oscillator section of Mixer-Osc. Set the Channel Selector to any non-interfering channel.

INDICATOR	GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
1. Connect DC probe of a VTVM thru a 47K resistor to point Δ . Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.		47.25MC	A1	Adjust for MINIMUM.
2. Connect DC probe of a VTVM thru a 47K resistor to point Δ . Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.		44.65MC 43.25MC 44.25MC	A2, A3 A4 A5, Mixer Plate Coil	Adjust for maximum.
3. Connect vertical input of a scope to point Δ . Low side to ground.	Connect high side to pin 2 (grid) of V2. Low side to ground.	44MC (10MC Sweep)	42.75MC 45.75MC	A2, A3	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
4. Connect vertical input of a scope to point Δ . Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.	44MC (10MC Sweep)	42.75MC 44.25MC 45.75MC 47.25MC	A4, A5, Mixer Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 2. In order to obtain a proper response, it may be necessary to slightly retouch A2 and A3.

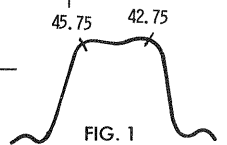


FIG. 1

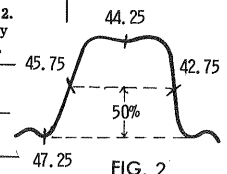


FIG. 2

4.5 MC TRAP ALIGNMENT

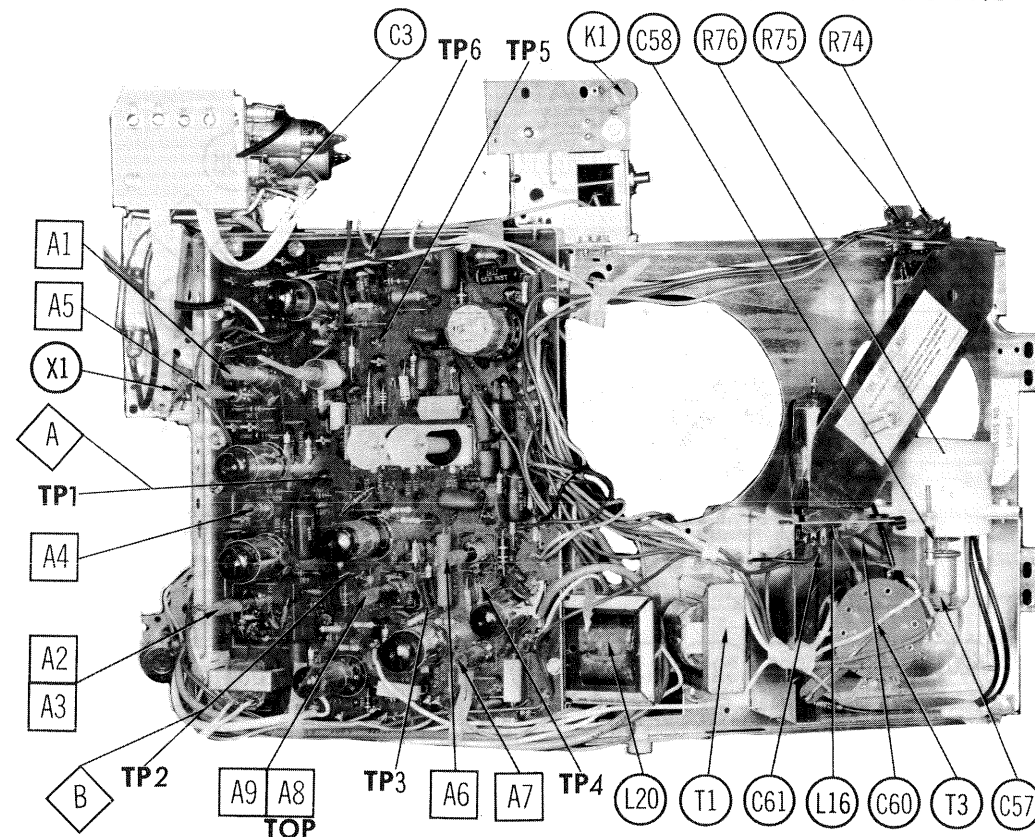
Tune in a strong TV signal and set the Contrast at maximum. Adjust the Fine Tuning until a beat pattern is visible on the screen. Adjust A 9 for MINIMUM beat interference.

SOUND IF ALIGNMENT

Tune in a station and adjust A 6 for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce signal while aligning for undistorted output by adjusting A7 and A8.

TP1 -.3V IF AGC
TP2 -.4V VIDEO DET OUTPUT
TP3 45V AGC VIDEO OUTPUT

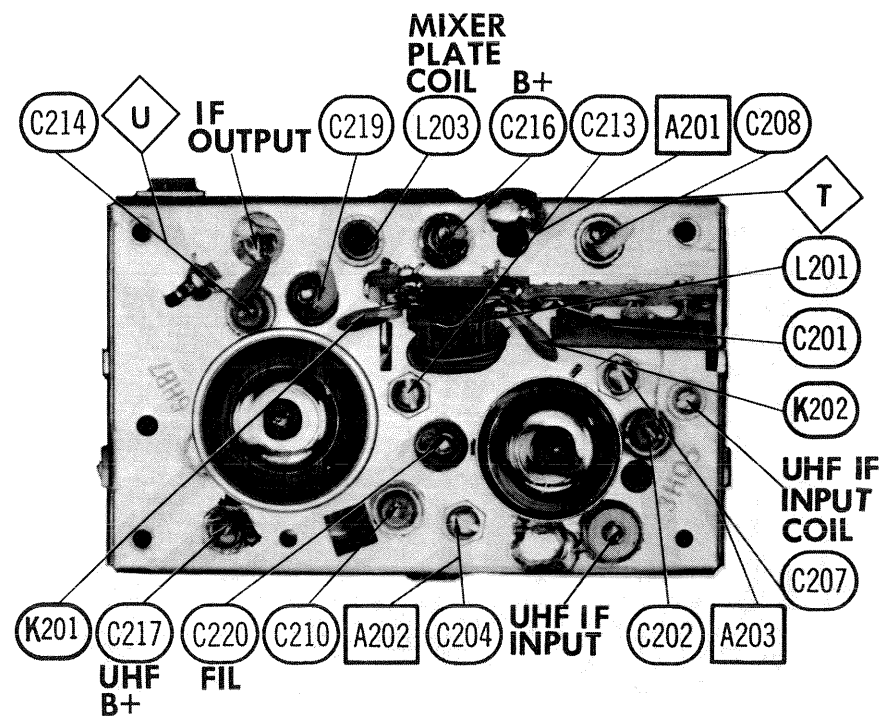
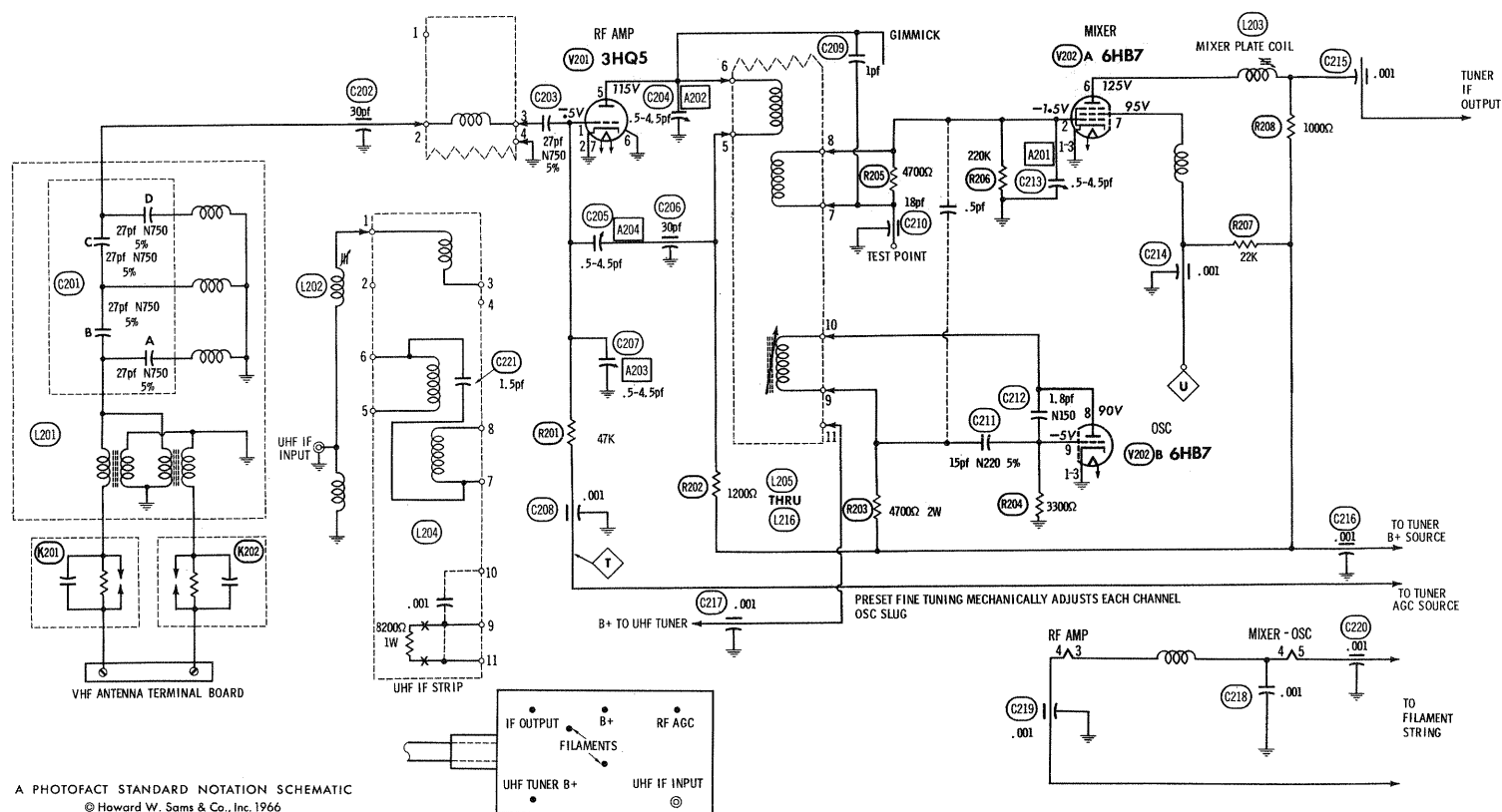
TP4 -.3V QUADRATURE COIL
TP5 135V HORIZ STAB COIL
TP6 135V HORIZ STAB COIL



SET 809 FOLDER 4

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4



VHF TUNER 470V163D02, 470V159H02, 470V160H02

VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: A201, A202, A203, A204 ... GENERAL CEMENT #9087 ... WALSCO #2528

OSCILLATOR ADJUSTMENTS - TUNER 470V159H02

The individual oscillator slugs are accessible one at a time through a hole in the front of the tuner. Set the Fine Tuning to the center of its range and adjust oscillator for best picture and sound on each active channel.

OSCILLATOR ADJUSTMENTS - TUNERS 470V163D02, 470V160H02

The oscillator for each channel is preset by means of the fine tuning control. Adjust fine tuning for best picture and sound on each channel.

RF AND MIXER ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at point U. Adjust bias to obtain response curve which shows no indication of overloading.

SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. Across antenna terminals with 120Ω in each lead.	213MC	211.25MC 215.75MC	13	Vert. Input to Point U, low side to ground.	A201, A202, A203	Adjust for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
2. "	195MC	193.25MC 197.75MC	10	Across Video Det. load resistor.	A204	Increase bias to -15 volts and adjust for MINIMUM amplitude of response.
3. "	See Chart	See Chart	12 thru 2	Vert. Input to Point U, low side to ground.		Reduce bias. Check response on all channels and make compromise adjustments of A201, A202 and A203 if required.

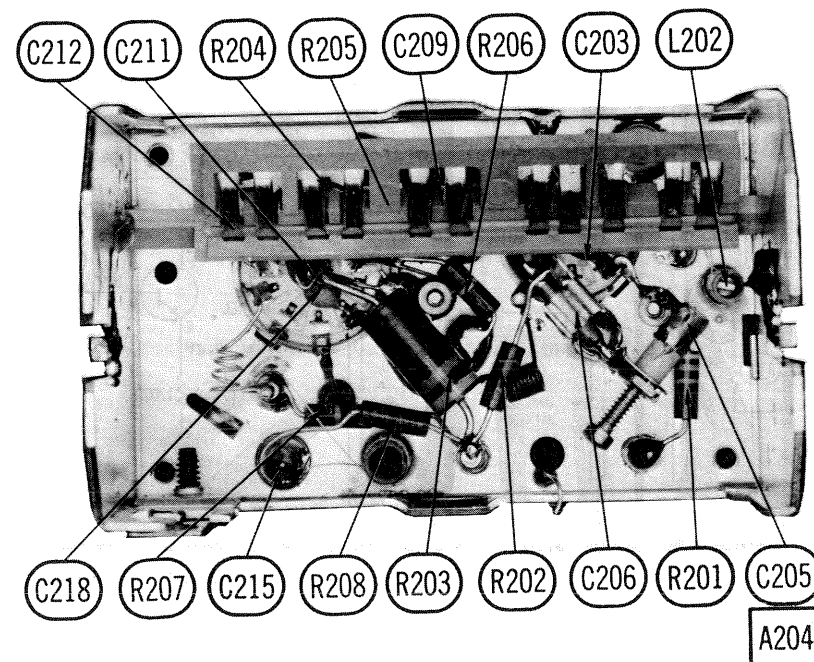
CHANNEL & FREQUENCY CHART

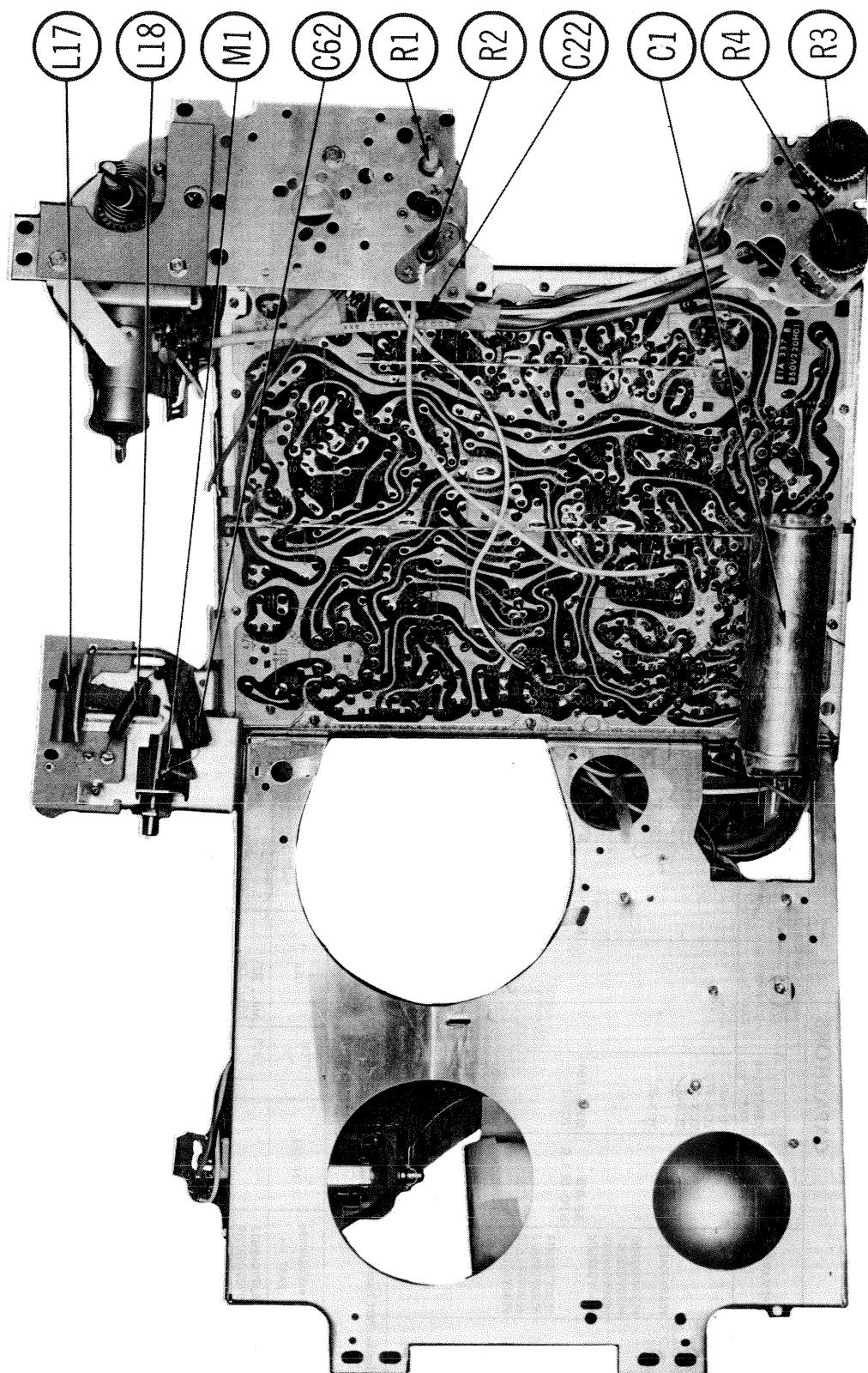
SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SOUND VIDEO
57MC	55.25MC 59.75MC	2	85MC	83.25MC 87.75MC	6	195MC	193.25MC 197.75MC	10	
63MC	61.25MC 65.75MC	3	177MC	175.25MC 179.75MC	7	201MC	199.25MC 203.75MC	11	
69MC	67.25MC 71.75MC	4	183MC	181.25MC 185.75MC	8	207MC	205.25MC 209.75MC	12	
75MC	73.25MC 77.75MC	5	189MC	187.25MC 191.75MC	9	213MC	211.25MC 215.75MC	13	

UHF TUNER ALIGNMENT INSTRUCTIONS

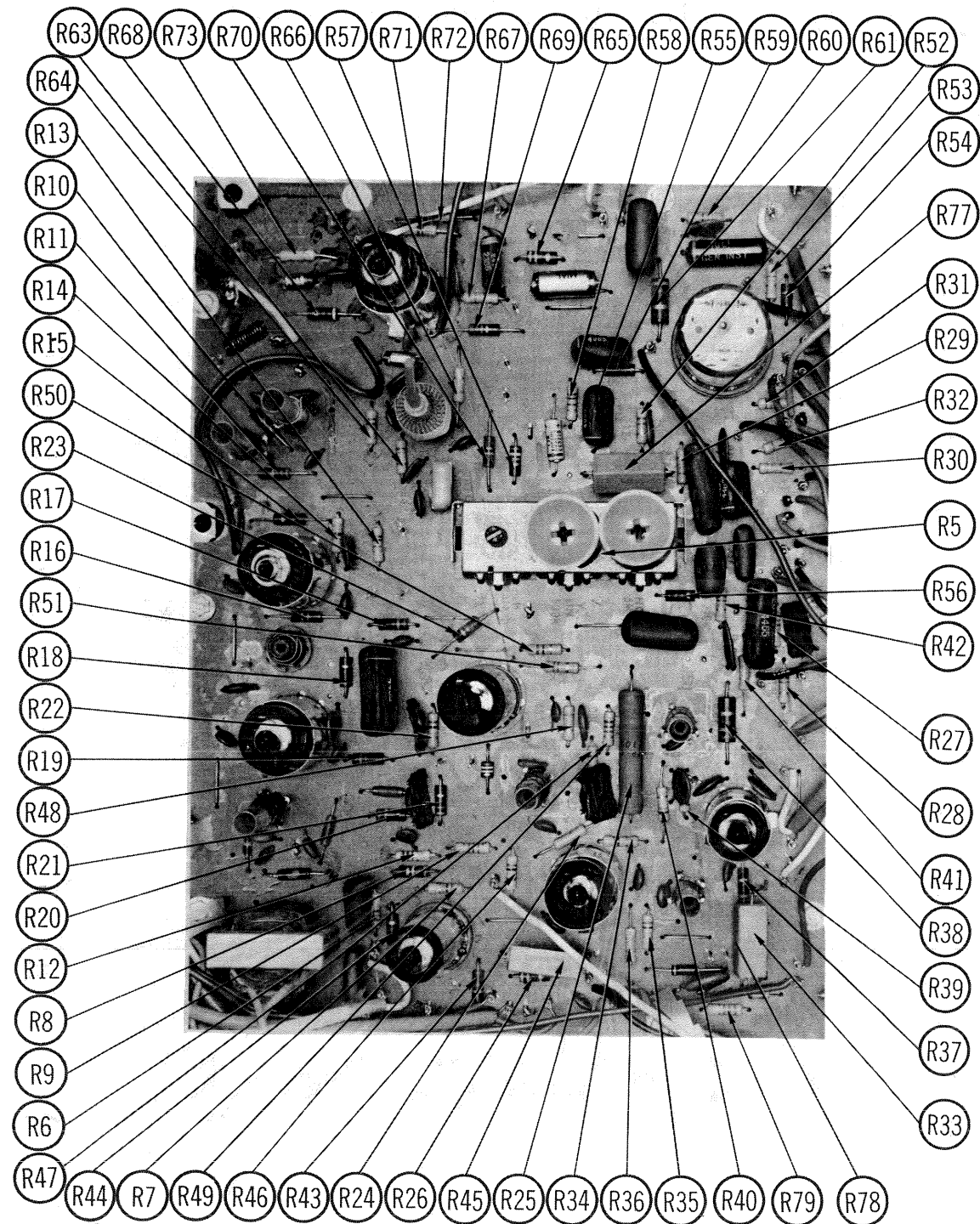
UHF TUNER 472V051D01 - Tune to a UHF station and adjust UHF IF Input Coil for best picture and sound. Tune UHF Channel Selector to the lowest UHF channel (low end of dial) operating in the area. Adjust UHF Low Channel Oscillator Trimmer for best picture and sound. Tune to the highest UHF channel (high end of dial) in the area and adjust UHF High Channel Oscillator Trimmer for best picture and sound. Repeat above steps until no further improvement can be made.

UHF TUNERS 472V053D01, 472V054D01 - Tune to a UHF station and adjust UHF IF Input Coil for best picture and sound. Tune UHF Channel Selector to the lowest UHF channel operating in the area (low end of the dial). Adjust UHF Low Channel Oscillator Trimmer for best picture and sound.

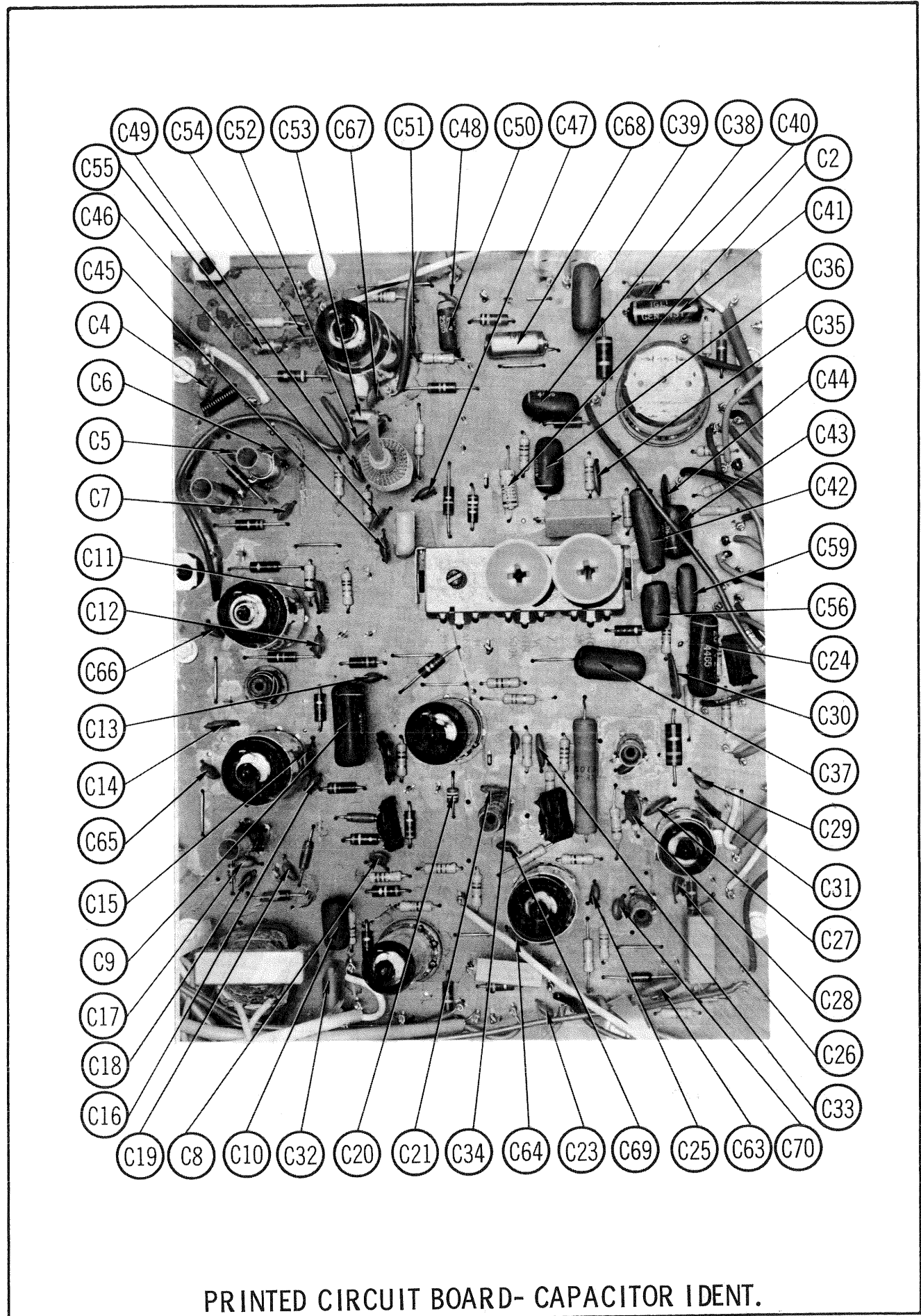




CHASSIS - FRONT VIEW



PRINTED CIRCUIT BOARD - RESISTOR IDENT.



PRINTED CIRCUIT BOARD- CAPACITOR IDENT.

VHF TUNER PARTS LIST AND DESCRIPTION

TUNER #47DV163D02			
TUBES			
ITEM No.	USE	REPLACEMENT DATA	
		TYPE	ITEM No.
V201	RF Amp.	3HQ5	V202
			Mixer - Osc.
			6HB7

UHF TUNER
PARTS LIST AND DESCRIPTION

TUNER # 472V054D01

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X301		UHF Oscillator		GE-11		NPN

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES			RECTIFIERS
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.
X302		1N82AG				

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.
C301	30	#690V060H01					
C302	10	#690V013H44					
C303	-5pf N750	#690V032H41					
C304	2-8	#690V004H71					
C305	.001						
C306	.85						

COILS (RF-IF)

ITEM No.	USE	REMARKS	REPLACEMENT DATA			NOTES
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL DUBILIER PART No.	
L201	Antenna Input	#690V049H45				
L202	UHF Input	#690V049H49				
L203	Mixer Plate	#690V049H41				
L204	UHF Strip	#690V049H44				
L205	Ant., RF, Mixer, Osc.	#690V049H22				
L206	"	#690V049H24				
L207	"	#690V049H25				
L208	"					
L209	"					

MISCELLANEOUS

ITEM No.	PART NAME	REMARKS	REPLACEMENT DATA			NOTES
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL DUBILIER PART No.	
	Cone	#690V058H85				
	Shaft	#690V058H87				
	Cam	#690V058H91				
	Clutch	#690V058H90				
	Sleeve	#690V058H89				
	Sleeve	#690V028H88				
	Gear	#690V050H87				

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)
Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

CABINETS & CABINET PARTS
(When Ordering Specify Model, Chassis & Color)

WESTINGHOUSE	ITEM	PART NO.	MODELS										
			H-K3628A	H-K3629A	H-P3051A	H-P3052A	H-P3056A	H-P3057A	H-P3061A	H-P3062A	H-P3065A	H-P3075	H-P3076
Knob-VHF Channel Selector		550V339C02	X	X				X					X
Knob "		550V328H01								X			
Knob "		550V339C01				X							
Knob "		550V354H03									X	X	
Knob "		550V284H14		X	X								
Knob "		550V354H01						X					
Knob "		550V354H02							X				
Knob-Dial Assembly		690V100H27						X	X				
Knob-VHF Dial, Fine Tuning		690V100H41								X			
Knob "		690V100H37									X	X	
Knob-UHF VHF Fine Tuning Channel Selector		550V341C02	X	X			X						X
Knob-UHF Channel Selector		550V312H04			X	X							
Knob "		550V342H01						X					
Knob "		550V342H02							X				
Knob-UHF Dial		550V340C02	X	X									X
Knob "		550V277H15							X				
Knob "		550V340C01				X	X						
Knob "		550V343H02									X	X	
Knob "		550V316H13			X	X							
Knob "		550V370D03						X	X				
Knob-Volume, On/Off		550V281H10	X	X									X
Knob "		550V281H11									X	X	
Knob-Volume, Contrast		550V281H06							X				
Knob-Vol., Contrast, On/Off		550V283H15				X							
Knob "		550V283H17					X						
Knob "		550V283H01		X	X								
Knob "		550V283H02						X					
Knob "		550V283H07							X				
Knob-Fine Tuning		550V278H10			X	X							
Knob-Brightness		550V296H04	X	X									X
Knob-Brightness, Vert. Hold		550V287H02			X	X	X	X	X	X			
Knob-Brightness, Contrast		550V357C01										X	

CABINETS & CABINET PARTS
(When Ordering Specify Model, Chassis & Color)

WESTINGHOUSE	ITEM	PART NO.	MODELS										
			H-K3628A	H-K3629A	H-P3051A	H-P3052A	H-P3056A	H-P3057A	H-P3061A	H-P3062A	H-P3065A	H-P3075	H-P3076
Knob "		550V357C02											X
Knob-Contrast, Vert. Hold		550V314H02	X	X									X
Knob-Horiz. Hold		550V351H01	X	X	X	X	X	X	X	X	X		X
Knob "		550V251H02									X	X	
Handle (Silver)		558V599H02					X						
Handle (Gold)		558V599H01						X					
Handle (Chrome & Black)		558V722H07									X	X	
Handle		558V636H01		X	X								
Handle		558V722H01						X					
Handle		558V722H02							X				
Handle Assembly		787V526H01								X			
Back Cover		513V196H01			X	X							
Back Cover		513V196H02							X	X			
Cabinet (Walnut)		516V724R02	X										
Cabinet (Mahogany)		516V724R03		X									
Cabinet Front		513V195H02					X						
Cabinet "		513V195H06						X					
Cabinet " (Champagne)		513V195H07								X			
Cabinet "		513V205R01									X		
Cabinet "		513V205R02										X	
Cabinet "		516V724R01											X
Cabinet Front		513V195H01			X								
Cabinet "		513V195H05				X							
Cabinet "		513V195H03							X				
Cabinet "		513V195H04								X			
Cabinet Back		728V116H08	X	X									
Cabinet " (Early Prod.)		513V196H02				X	X						
Cabinet " (Later Prod.)		513V219R02				X	X						
Cabinet "		513V219R02								X			
Cabinet "		513V206R01									X	X	
Cabinet "		782V116H08											X

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)
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TUBES

* AMPEREX		* GENERAL ELECTRIC		* RCA		* SYLVANIA	
ITEM No.	USE	TYPE		ITEM No.	USE	TYPE	
X301	UHF Osc. (Transistor)			V5	Audio Detector	4DT6	
V201	RF Amp.	3HQ5		V6	Audio Output	12FX5	
V202	Mixer - Osc.	6HB7		V7	Vert. Mult. - Vert. Output	17JZ8	
V1	1st Video IF	4HT8		V8	Horiz. Mult.	8FQ7	
V2	2nd Video IF	4HM8		V9	Horiz. Output	21JZ6	
V3	Video Output - Sync Sep.	10LZ8		V10	Damper	17BE3	
V4	AGC Keying - Limiter	6CL8A (6FV8A) *		V11	HV Rectifier	1K3 (1G3GT) *	

* Alternate

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	Westinghouse PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V12	19FEP4A 23HRP4		19FEP4B ②	19FEP4 ①	①Silver Screen "85" ②Aluminized

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1	.220A	295V006H03	GE-505 or GE-504A	8D4 or 5A4-D	1N540 or 1N2070	SK-3016 or SK-3017	40C or F-4
X2	.330A	296V006H03	GE-505 or GE-504A	8D4 or 5A4-D	1N540 or 1N2070	SK-3016 or SK-3017	40C or F-4
X3		296V002H08	1N34AS	1N34A			
X4		296V004H01	6GC1	DD04			
X5		296V006H02 (1N295A)	1N60	1N60			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				
	CAP.	VOLT.	Westinghouse PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1A	200	175	218V054H30	AFHS4-01-58	DD0016	XC4-77 & QT1-14	FM412.14
B	30	175					
C	200	175					
D	200	175					
C2	1	50	218V012H55	CRE750A	NLW1-50	MT1-1	TT50X1

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CAPACITORS

ITEM No.	RATING		REMARKS	REPLACEMENT DATA						
				AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C3	56	N750 5%			DTN-56		CCTN-560	CN7456	10TCU-Q56	
C4	4.7	N750 ±.25			TCN-4.7		CCTN-050	CN7547	10TCU-V47	
C5	10	NPO ±.25		NPO-DI 10	DTZ-10	CZ601UJ5R0D	CCTO-100	CN0410	10TCC-Q10	
C6	43	NPO 5%		NPO-DI 47	TCZ-43	CX601CG470K	CCTO-470	CN0447	10TCC-Q47	
C7	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82	
C8	470			BPD-00047	DD-471	BYZ601ZU471P	CCD-471	B347	5GA-T47	
C9	.33	200V		P288N-33		WMF2P33	2DP-5-334	PVC2033	2PS-P33	
C10	.15	200V		P288N-15		WMF2P15	2DP-3-154	PVC2015	2PS-P15	
C11	.0015			BPD-0015			CCD-152	B215	5HK-D15	
C12	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82	
C13	.001			BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10	
C14	.0047			BPD-0047	DD-472	BYX601ZU472P	CCD-472	B247	5HK-D47	
C15	.0015			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82	
C16	470			DD-471	DD-471	BYZ601ZU471P	CCD-471	B347	5GA-T47	
C17	4.7	N750 ±.25			TCN-4.7	CZ601UJ5R0D	CCTN-Q50	CN7547	10TCU-V47	
C18	6.8	NPO ±.5			DTZ-6R8	CZ601CH5R8D	CCTO-6R8	CN0688	10TCC-V68	
C19	2.7	NPO ±.25							10TCC-V30	
C20	3.9			NPO-DI 3.3	DTZ-3R3		CCTO-3R3	CN0533	10TCC-V39	
C21	33	NPO 10%		NPO-DI 33	DTZ-33	CS601CG330K	CCTO-330	CN0433	10TCC-Q33	
C22	39	NPO 10%		NPO-DI 39	TCZ-39		CCTO-390	CN0439	10TCC-Q39	
C23	.001			BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10	
C24	.22	200V		P288N-22		WMF2P22	2DP-4-224	PVC2022	2PS-P22	
C25	.0022			BPD-0022	DD-222	BYV601ZU222P	CCD-222	B222	5HK-D22	
C26	.001			BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10	
C27	.0047			BPD-0047	DD-472	BYX601ZU472P	CCD-472	B247	5HK-D47	
C28	.01			BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-S10	
C29	.0022			BPD-0022	DD-222	BYV601ZU222P	CCD-222	B222	5HK-D22	
C30	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20	
C31	.01			BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-S10	
C32	.01	400V		BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-S10	
C33	.0068			DI-6800	DD-682	MLX501ZY682Z	CCD-682	GP268	10TS-D68	
C34	680			BPD-00068	DD-681	BYZ601ZU681P	CCD-681	B368	5GA-T68	
C35	.01			BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-S10	
C36	.047	400V		P488N-047	DD-503	PM4S47	4DP-3-473	GEM4147	4TM-S47	
C37	.1	400V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10	

WESTINGHOUSE CHASSIS
V-2486-1/-2/-3/-4/-11/-12/-13

FOLDER 4

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

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CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C38	.047 400V		P488N-047	DD-503	PM4847	4DP-3-473	GEM4147	4TM-847
C39	.1 400V		P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C40	.01		BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-810
C41	.0033 600V		BPD-0033	DD-332	BY8601ZU332P	CCD-332	B233	5HK-D33
C42	.15 400V		P488N-15		WMF4P15	4DP-4-154	PVC6015	4PS-P15
C43	.068 400V		P488N-068		WMF4S68	6DP-4-683	PVC8168	4PS-S68
C44	.01		BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-810
C45	39 NPO 10%		NPO-DI 39	TCZ-39		CCTO-390	CNO439	10TCC-Q39
C46	33 NPO 10%		NPO-DI 33	DTZ-33	CS601CG330K	CCTO-330	CNO433	10TCC-Q33
C47	390 10%		DI-390	DD-391		CCD-391	GP339	10TS-T39
C48	390 10%		DI-390	DD-391		CCD-391	GP339	10TS-T39
C49	680 10%		BPD-00068	DD-681	BYZ601ZU681P	CCD-681	B368	5GA-T68
C50	.047 200V		P288N-047	DD-503	PM2847	4DP-3-473	PVC2147	2TM-847
C51	.01		BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-810
C52	68 NPO 10%		NPO-DI 68	DTZ-68	CX601CG680K	CCTO-680	CNO468	10TCC-Q68
C53	180 5%			CPR-180J			SX318	MS-318
C54	.01		BPD-01	DD-103	BYV102ZU103M	CCD-103	B110	5HK-810
C55	120 5%			CPR-120J			SX312	MS-312
C56	.047 600V		BE6847		PM6847	6DP-3-473	PVC6147	6TM-847
C57	15 NPO 2KV 10%		HVD-30-15	DD30-150	HVY202UM150M	VDM-20-150J	2DY415	30GA-Q15
C58	3-25							
C59	.039 400V 10%							
C60	15 NPO 5KV 10%		HVD-60-15	DD60-150		6DP-3-393	PVC6139	6PS-S39
C61	390 NPO 2KV		HVD-30-390	DD30-391		HVDM42-150J	6DY415	60GA-Q15
C62	.1 400V		P488N-1	DF-104	PM4P1	4DP-3-104	3HV333	30GA-T39
C63	.0015 1.4KV		HVD15-1500	DD30-152	HVY202ZU152P	VDM-20-152J	GEM401	4TM-P10
C64	680		BPD-00068	DD-681	BYZ601ZU681P	CCD-681	UA220	125L-D15
C65	680		BPD-00068	DD-681	BYZ601ZU681P	CCD-681	B368	5GA-T68
C66	680		BPD-00068	DD-681	BYZ601ZU681P	CCD-681	B368	5GA-T68
C67	680		BPD-00068	DD-681	BYZ601ZU681P	CCD-681	B368	5GA-T68
C68	.0043 5%			CPR-4300J			SX243	MS-243
C69	10 N750 10%		N750-DI 10	DTN-10	CZ601UJ100K	CCTN-100	CN7410	10TCU-Q10
C70	18 N750 10%			DTN-18	CY601UJ180K		CN7418	10TCU-Q18
C71	75 3KV							

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA					
			Westinghouse PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
R1	Volume/Switch	500K	270V159H07 (270V159C07)	F2-500K, SN100, KR-2	A47-500K-Z, RN-3 ①, TT-2	BU11, CF25, SS6 ①, WF*	RU55A, SL37, SN1000 ①, US42 or (UA55A, SN1000 ①, US42)	
	Volume/Switch	500K	270V136H09 ⑤	F2-500K, SPU304, KR-8	C47S-500K-Z, FS-3 or (NP-500K-Z, UPP-B-400, NWG-18)	B13-133, SK7 or (PPQ13-133, SK7) or (BU1, CF25, SS10, K)*	PP55A or (RUP55A, SL35, SL250)	
	Volume/Switch	500K	270V159H06 (270V159C06) ④	F2-500K, SN100, KR-1	A47-500K-Z, RN-3 ①, TT-2	BU11, CF25, SS6 ①, GC*	RU55A, SL37, SN1000 ①, US41 or (UA55A, SN1000 ①, US41)	
R2	Contrast	15K, 10K Tap	270V159H04 (270V159C04)	F55-15K ②, SN100	A47F-15K ②, RN-3 ①, TT-2	B13-118X, TM4 ① or (BU11, CF42T, SS6 ①)*	RU153T14, SL37, SN1000 ① or (UA153T14, SN1000 ①)	
	Contrast	15K 10K Tap	270V159H12 (270V159C12) ⑤	F55-15K ②, SN100	A47F-15K ②, RN-3 ①, TT-2	B13-118X, TM4 ① or (BU11, CF42T, SS6 ①)*	RU153T14, SL37, SN1000 ① or (UA153T14, SN1000 ①)	
R3	Brightness	300K	270V159H05 (270V159C05)	F1-250K, SN100	A47-300K-S, RN-3 ①, TT-2	B11-131, TM4 ① or (BU11, CF15, SS6 ①)*	RU35L, SL37, SN1000 ① or (UA254L, SN1000 ①) or (PTA35L ①)	
	Brightness Volume/Switch	300K 500K	270V166H03 (270V166C03) ⑤	F1-250K, R2-500K, FFS108, RFS202, KR-2	NP-300K-S, NR-500K-Z, UPC-B-108, UR-D-202, NWE-20	† QJ2157		
R4	Vert. Hold	2meg	270V159H10 (270V159C10)	F1-2meg, SN100	B47-1meg-S ①	B11-139, TM4 ① or (BU11, CF19, SS6 ①)*	RU26L, SL37, SN1000 ① or (UA26L, SN1000 ①) or (PTA26L ①)	
R5A B C	Horiz. Range Vert. Linearity Height	350K 500K 5meg	270V155H05 (270V155C05)					
① File flat. ② Do not use 5K Tap. ③ Alternate Part Number; used in Chassis V-2486-3. ④ Alternate Part Number; used in Chassis V-2486-2, -4, -9, -13 late production. ⑤ Alternate Part Number; used in Early Production of Chassis V-2486-12. Part #270V166H04 used in later Production of Chassis V-2486-11 and V-2486-12. ⑥ Alternate Part Number; used in Chassis V-2486-11 and V-2486-12. * "SNAPTROL" † "CONCENTRIKIT" Equivalent: K-15 Kit with Base Elements and Shafts: B11-131, P22-115 (Panel), B13-133, R1-200 (Rear), 76-2 (Switch) "SNAPTROL" Equivalent: BU4, CF15, CR20, SF11, SR13, WF								

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	Westinghouse PART No.			IRC PART No.	WORKMAN PART No.	Westinghouse PART No.
R25	6000Ω 4W	PW5-6000	5W-SQ-6000	251V014H54	R80	2Ω 5W	PW5-2	5W-SQ-2	251V033H14
R45	680Ω 4W	PW5-700	5W-SQ-700	251V020H78	R81	47Ω 4W	PW5-50	5W-SQ-47.5	251V020H79
R76	5.6Ω 2W	BWH-5.6	WS-5.6	251V005A69					

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					
		Westinghouse PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.
L1	RF Choke (15 turns)	230V065H06					
L2	1st Video IF	235V049H02					
L3	47,25MC Trap	230V076H01	17-3419				
L4	2nd Video IF	235V048H04					
L5	3rd Video IF	235V094C06 (235V094H06)					
L6	RF Choke (14uh)	230V130H02	19-1006	BC-566	7512-W	RTC-9337	TE239
L7	RF Choke (4.7uh)	230V130H01	19-1008	SW-631	7542	RTC-9336	TE259
L8	RF Choke (4.7uh)	230V130H01	19-1008	SW-631	7511-W		TE644
L9	Peaking (500uh)	230V141H04	19-3500	TV-203			
L10	Peaking (120uh)	230V141H03	19-3125	TV-195			
L11	Sound Takeoff/ 4.5MC Trap	235V076H04					
L12	Peaking (600uh)	230V141H02	19-3600	TV-205			
L13	Peaking (300uh)	230V141H08	19-3300	TV-199			
L14	Sound Interstage	235V046H01					
L15	Quadrature	230V031C06 (230V031H01)	20-1055				
L16	RF Choke (14uh)	230V130H02	19-1006	BC-566	6146	RTC-8582	T326
L17	Line Choke (55uh)	230V125H01			6155	RTC-8587	T318
L18	Line Choke (55uh)	230V125H01			7120-W	RTC-9332	TE643

COILS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					
		Westinghouse PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.
L19	Horiz. Stabilizer (Hold) Shaft, Horiz. Hold Shaft, Horiz. Hold	230V144B01 (230V144H01) 781V799H01 † 781V818B01 †		6213 ①	RTC-9329 ①		TA140 ①

† Used in Models H-P3056A/57A/65A, H-T3620A, H-K3628A/29A.
‡ Used in Models H-P3075/76.

① Use original shaft.

FILTER CHOKE

ITEM No.	RATINGS		REPLACEMENT DATA						NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	Westinghouse PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L20	.330ADC	9.6Ω	.29 H	430V161B01	C-4133	C-2708	26C81	C-40X	

* TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA						NOTES
		Westinghouse PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.		
T1	Vert. Output Alternate	430V039C11 (430V039H09)	A-2822 A-2822	VO-114 VO-114	26875 ① 26875 ①	A-135X A-235X		① Use 5.5 to 6.9: 1 turns ratio and jumper terminals 1 & 3 and terminals 2 & 4.
T2	Yoke (Horiz. 24.5mh) 114° (Vert. 72mh)	490V017C01	MDF-143 ②③		Y-105 ②	YT-103-1 ②③		② Remove vertical damping resistors if necessary. ③ Remove Orange lead.
T3	Linearity Sleeve Horiz. Output Alternate	781V407H01 493V020C03 493V020H02						

* COMPONENT CONNECTION DATA

ORIGINAL → REPLACEMENT ↓	HV TRANSFORMER Original Connections				VERTICAL OUTPUT Original Connections				YOKE Original Connections									
									1	2	3	4	5	6	7	10		TO YOKE TERMINAL
MERIT					Blue	Red	Green	Yellow	1	2	▲	4	5	8	6	3	7	
STANCOR					Blue	Red	Green	Yellow										
THORDARSON					Terms 1 & 3	Terms 2 & 4	Term. 11	Term. 5	1	2	▲	4	5	8	6	3	7	
TRIAD					Blue	Red	Yellow	Green	1	2	▲	4	5	8	6	3	7	

▲ Install original 10K, 1 watt Resistor between yoke terminals #1 and #3 and horizontal output transformer terminal #6.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	Westinghouse PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T4	3000Ω	3-4Ω	430V150B02 (430V150H02)			22S61 ①	S-62X ①	① Use original channel mounting frame.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		Westinghouse PART No.	QUAM PART No.	
SP1	3" x 5" PM 3-4Ω	570V139A01 (570V139S01)	35A05	Used in Models H-P3051A/52A/56A/57A/61A/62A/65A/75 and 76.
	4" PM 3-4Ω	570V059H01	4A07	Used in Models H-K3628A/29A, and H-T3620.

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Westinghouse PART NO.	REPLACEMENT DATA
K1	Chassis Isolation	330K, .001	219V004H03	Sprague AC1-8

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M1	125V Slo-Blo	1 3/4A	758V001H10	758V002H05	3331.75	346016	N 1 3/4	HN 1 3/10 to 1 3/4
				758V004H05 (Chassis V-2486-13)				

MISCELLANEOUS

ITEM No.	PART NAME	Westinghouse PART No.	NOTES
M2	VHF Tuner	470V163D02	
	VHF Tuner	470V159H02	
	VHF Tuner	470V160H02	
M3	UHF Tuner	472V054D01	
	UHF Tuner	472V053D01	
	UHF Tuner	472V051D01	
M4	VHF Antenna	318V018H02	Two used in Models H-P3056A/57A/61A/62A - JFD REPLACEMENT TA487 Two used in Model H-P3065A. Two used in Models H-P3075/76 - JFD REPLACEMENT TA498. Two used in Models H-P3051A/52A. Used in Model H-T3620A. Used in Models H-P3051A/52A/56A/56A/61A/62A/65A, H-T3620 - JFD REPLACEMENT TA544.
	VHF Antenna	318V018H01	
	VHF Antenna	318V022C01	
	VHF Antenna	318V021H01	
	VHF Antenna	318V023D01	
M5	UHF Antenna	310V082H01	

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)
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Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.1 10V		TTD-1	UK10-104	HOV101ZV104Z		TA010	HY320
C6	.1 10V		TTD-1	UK10-104	HOV101ZV104Z		TA010	HY320
C7	.1 10V		TTD-1	UK10-104	HOV101ZV104Z		TA010	HY320
C8	.1 10V		TTD-1	UK10-104	HOV101ZV104Z		TA010	HY320
C9	.0015 500V 5%			CPR-1500J		DM-19-152J		MS-215
C10	.0015 500V 5%			CPR-1500J		DM-19-152J		MS-215
C11	.47 3V	(.5) †		UK-474				HY130

† Alternate Value

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST- ANCE	REPLACEMENT DATA				
			Westinghouse PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Noise	10K	270V163H01			X201R103B	MTC14L1

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					
		Westinghouse PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.
L1	39KC	235V128H01					
L2	41KC	235V128H01					

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	Westinghouse PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .013A	10VAC @ .010A DC		410V035H01					

MISCELLANEOUS

ITEM No.	PART NAME	Westinghouse PART No.	NOTES
M1	Transducer	753V033H01	
M2	Relay	753V040H01	Channel
M3	Relay	753V040H01	Volume
	Transmitter	559V087H02	

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No.	8530 (Solid 22AWG)	Available
		8524 (Stranded 22AWG)	in
		8570 (Stranded 26AWG)	12 Colors

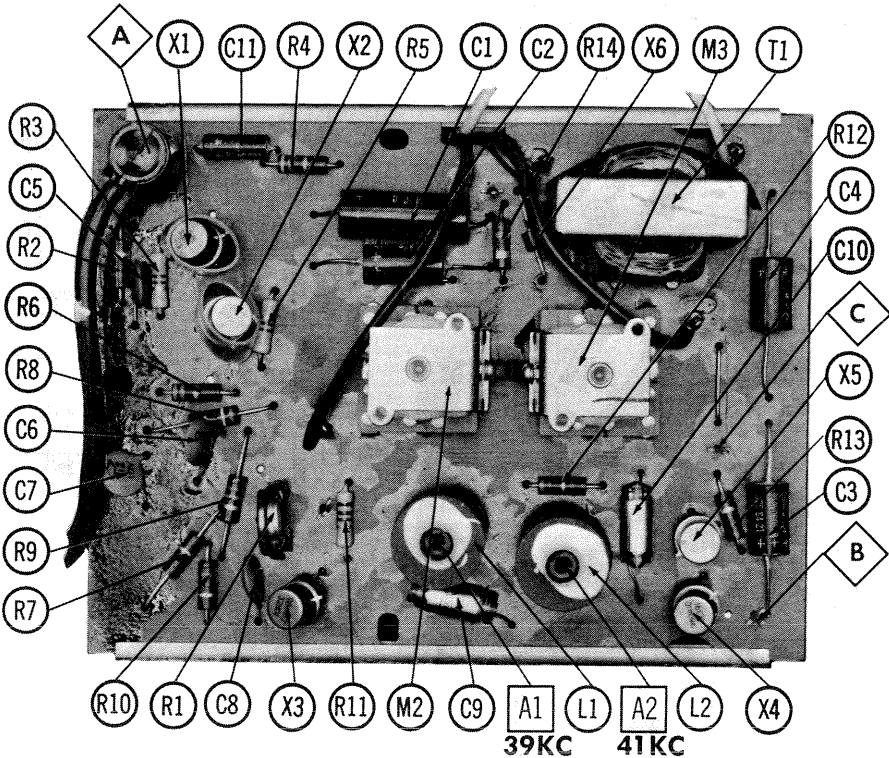
PHOTOFACT® Folder

with CIRCUITRACE®

WESTINGHOUSE REMOTE
CONTROL RECEIVER CHASSIS V-2477-1

IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET809 FOLDER 4 . File this Folder with the TV Folder in the yellow filing jacket provided.



TRADE NAME	Westinghouse Chassis V-2477-1
SUPPLIER	For current address, see Annual Index.
TYPE SET	Remote Control Receiver
TRANSISTORS	Five
POWER SUPPLY	110-120 Volts AC, 60 Cycles
RATING	20 Watts, .055 Amps. @ 117 Volts AC

ALIGNMENT INSTRUCTIONS

REMOTE RECEIVER ALIGNMENT

Suggested Alignment Tools: A1, A2 ... GENERAL CEMENT #8606, 8606L, 8869 ... WALSCO #2543, 2544, 2583
Adjust Sensitivity Control, R12, to the center of its range.

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
High side of signal generator to point A, low side to ground.	39KC (Unmod.)		DC probe to point B, low side to point D.	A1	Adjust for maximum.
"	41KC (Unmod.)		DC probe to point C, low side to point D.	A2	"

After completion of alignment, adjust Sensitivity Control, R12, so that transmitter will operate remote receiver at the desired distance.

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. NA295R

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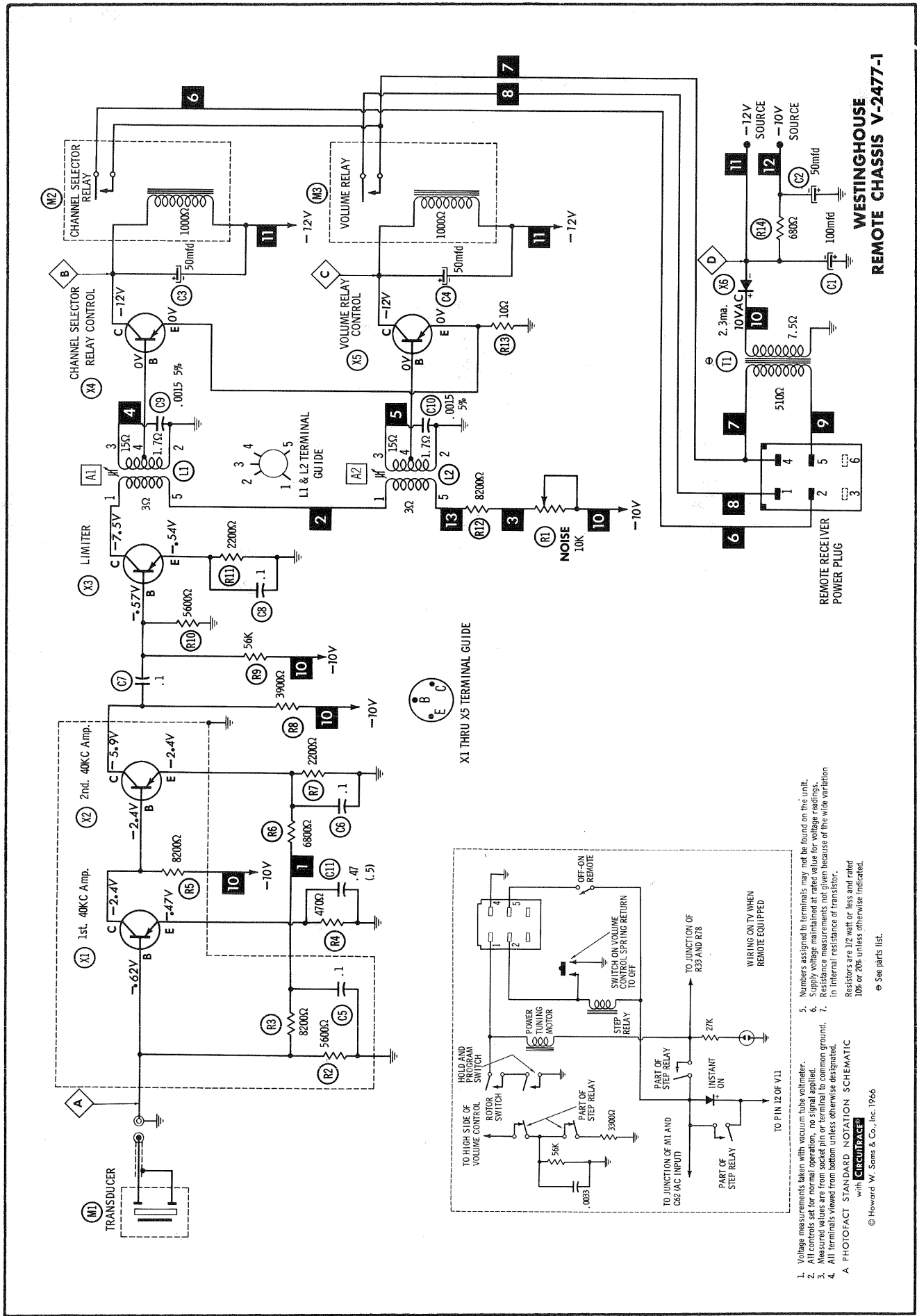
DATE 4-66 SET 809 FOLDER 4-A

SET 809 FOLDER 4-A

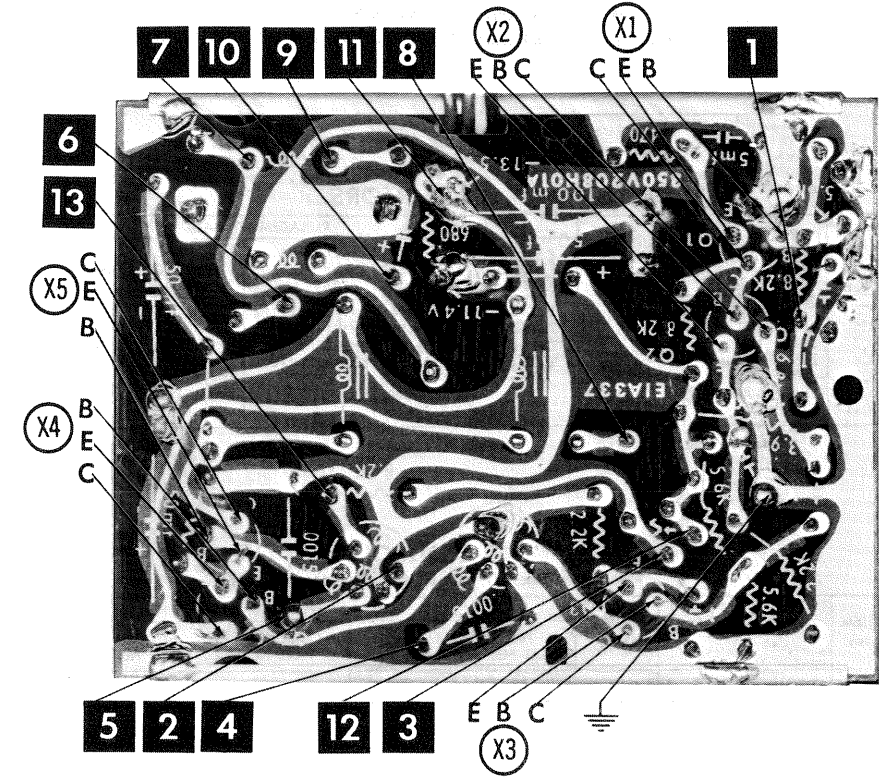
WESTINGHOUSE REMOTE
CONTROL RECEIVER CHASSIS V-2477-1

WESTINGHOUSE REMOTE
CONTROL RECEIVER CHASSIS V-2477-1

SET 809 FOLDER 4-A



A Howard W. Sams **CIRCUITRACE**® Photo



PARTS LIST AND DESCRIPTION

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TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES	Westinghouse PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.		
X1		1st 40KC Amplifier	DS25	GE-1	SK-3005	PNP	297V032H01
X2		2nd 40KC Amplifier	DS25	GE-1	SK-3005	PNP	297V032H01
X3		Limiter	DS25	GE-1	SK-3005	PNP	297V032H01
X4		Channel Relay Control	DS26	GE-2	SK-3004	PNP	297V050H01
X5		Volume Relay Control	DS26	GE-2	SK-3004	PNP	297V050H01

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS				DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X6	2.3ma	295V006H07	1N91 or 1N1692	A50 or D50	1N2858	10H or F-1	GENERAL ELECTRIC PART No.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				
	CAP.	VOLT.	Westinghouse PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1	100	15	218V012H04	CRE473A	NLW100-15	MT1-19	TT15X100
C2	50	15	218V060H08	PTT72	NLW50-15	MT1-16	TT15X50
C3	50	15	218V060H08	PTT72	NLW50-15	MT1-16	TT15X50
C4	50	15	218V060H08	PTT72	NLW50-15	MT1-16	TT15X50

WESTINGHOUSE REMOTE
CONTROL RECEIVER CHASSIS V-2477-1

FOLDER 4-A