

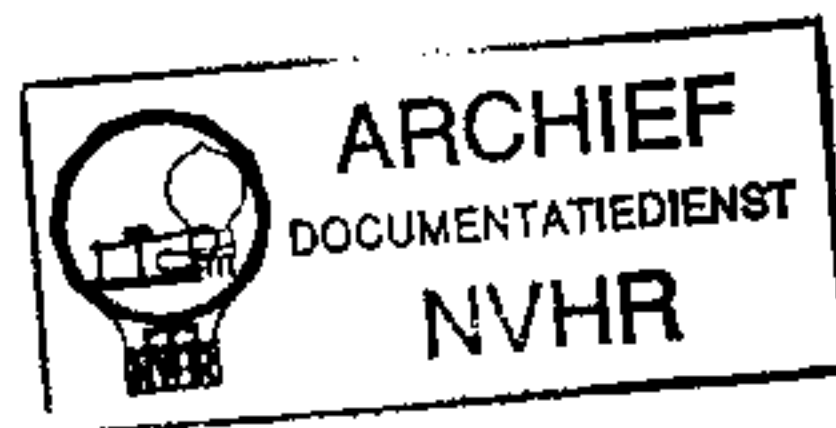
PHOTOFACT® Folder

with CIRCUITRACE™

WESTINGHOUSE
CHASSIS V-2397-4

Met dank aan Jef Bos

Ned. Ver. v. Historie v/d Radio



MODEL H-725P6A

TRADE NAME	Westinghouse Models H-725P6A, H-726P6A, H-727P6A, H-728P6A, H-771P6, H-771P6GP, H-772P6, H-772P6GP, H-773P6, H-773P6GP, (Ch. V-2397-4)		
MANUFACTURER	Westinghouse Electric Corp., Radio & Television Div., Metuchen, N. J.		
TYPE SET	Battery Operated Transistorized Portable AM Receiver		
POWER SUPPLY	6 Volts DC	RATING	9MA @ 6 Volts DC (No Signal, Min Volume) 15MA @ 6 Volts DC (Signal, Normal Volume)
TUNING RANGE	BROADCAST 540-1600KC		

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested Alignment Tools: A1, A2, A3... GENERAL CEMENT #5009, 8195, 8274, 8275, 8728, 8729, 8987, 8988, 8989
WALSCO #2515, 2531, 2532

A4, A6..... GENERAL CEMENT #5004, 5008, 5009
WALSCO #2520

A5..... GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440
WALSCO #2526, 2543, 2544, 2545

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	Loop	455KC (400v Mod.)	Tuning gang fully open.	Across voice coil.	A1, A2, A3	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
2.	"	1625KC	"	"	A4	"
3.	"	600KC	600KC	"	A5	"
4.	"	1400KC	1400KC Signal.	"	A6	Adjust for maximum output. Repeat Steps 2, 3, and 4.

DISASSEMBLY INSTRUCTIONS

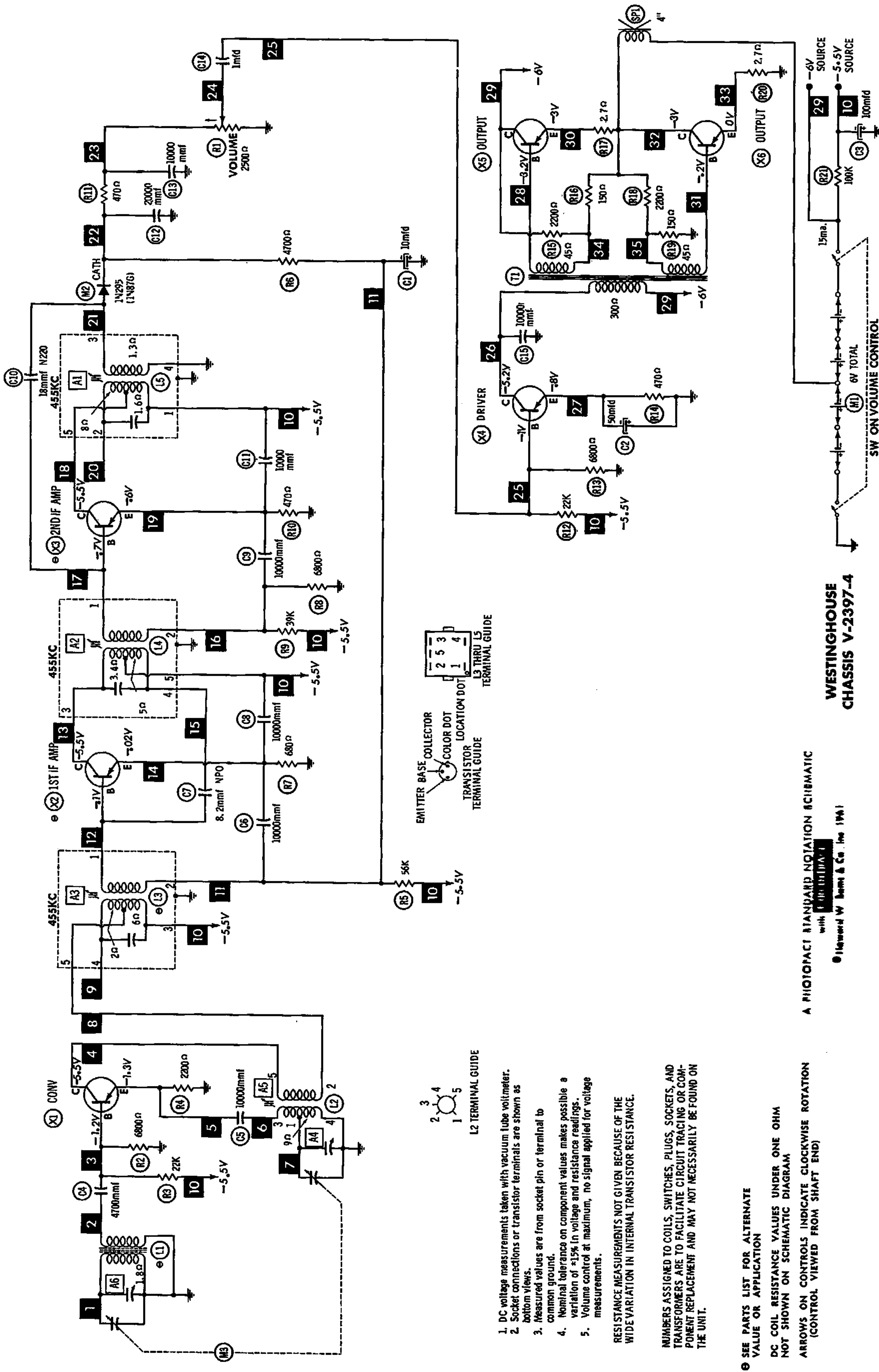
1. Remove tuning and volume control knobs. (Loop string under tuning knob and pull up).
2. Remove phillips head screw under tuning knob. (Screw length critical)
3. Loosen 2 screws on back cover. Remove back.
4. Remove 2 hex head chassis mounting screws.
5. Remove chassis.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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 KF527

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- 1. DC voltage measurements taken with vacuum tube voltimeter.
- 2. Socket connections or transistor terminals are shown as bottom views.
- 3. Measured values are from socket pin or terminal to common ground.
- 4. Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
- 5. Volume control at maximum, no signal applied for voltage measurements.

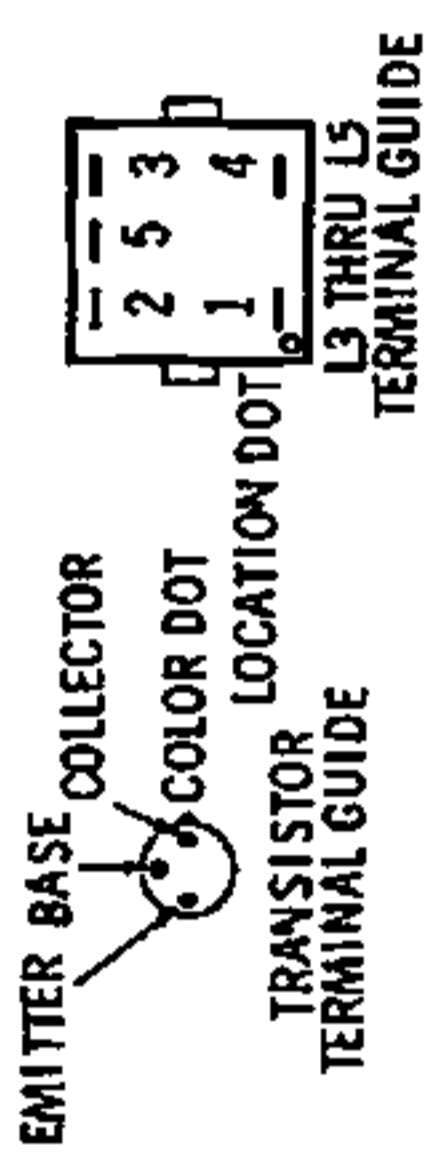
RESISTANCE MEASUREMENTS NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.

NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

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



A PHOTOFACT STANDARD NOTATION SCHEMATIC with PHOTOFACT

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WESTINGHOUSE CHASSIS V-2397-4

SW ON VOLUME CONTROL

PARTS LIST AND DESCRIPTIONS

TRANSISTORS

ITEM No.	PART NO.	USE	REPLACEMENT DATA			NOTES
			RCA PART No.	RAYTHEON PART No.	SYLVANIA PART No.	
X1	297V011H01	Converter				PNP
X2	297V012H05	1st IF Amplifier				PNP
	297V012H06 *	1st IF Amplifier				PNP
	297V012H04 *	1st IF Amplifier				PNP
	297V012H01 *	1st IF Amplifier				PNP
X3	297V012H06	2nd IF Amplifier				PNP
	297V012H05 *	2nd IF Amplifier				PNP
	297V012H04 *	2nd IF Amplifier				PNP
	297V012H01 *	2nd IF Amplifier				PNP
X4	297V004H03	Driver				PNP
X5	297V003H06	Output				PNP } Matched
X6	297V003H06	Output				PNP } Pair

* Alternate

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	CAP.	VOLT.	Westinghouse PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	
C1	10	10	218V012H16	PTT-10010	NLW10-15	TT12X10	MLV10-10	TE-1114
C2	50	10	218V012H01	PTT-10050	NLW50-10	TT10X50	MLV50-10	TE-1119
C3	100	15	218V048H04	PTT-15100	NLW100-15	TT15X100	MLV100-15	TE-1162

FIXED CAPACITORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					SPRAGUE PART No.
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	
C4	4700		BPD-0047	DD-472	BYA10D47M	CCD-472	B-247	5HK-D47
C5	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C6	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C7	B. 2 NPO		NPO-DI 8. 2		C10V82C			10TCC-V82
C8	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C9	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C10	18 N220	#215V314H09				*		10TCR-Q18
C11	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C12	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C13	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C14	1mfd 3V	#215V309H54		UK-105				
C15	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10

Westinghouse Part Number.

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

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES	
	RESISTANCE	WATTS	Westinghouse PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.		MALLORY PART No.
R1	2500Ω	1/2	270V084H01					Volume & Switch

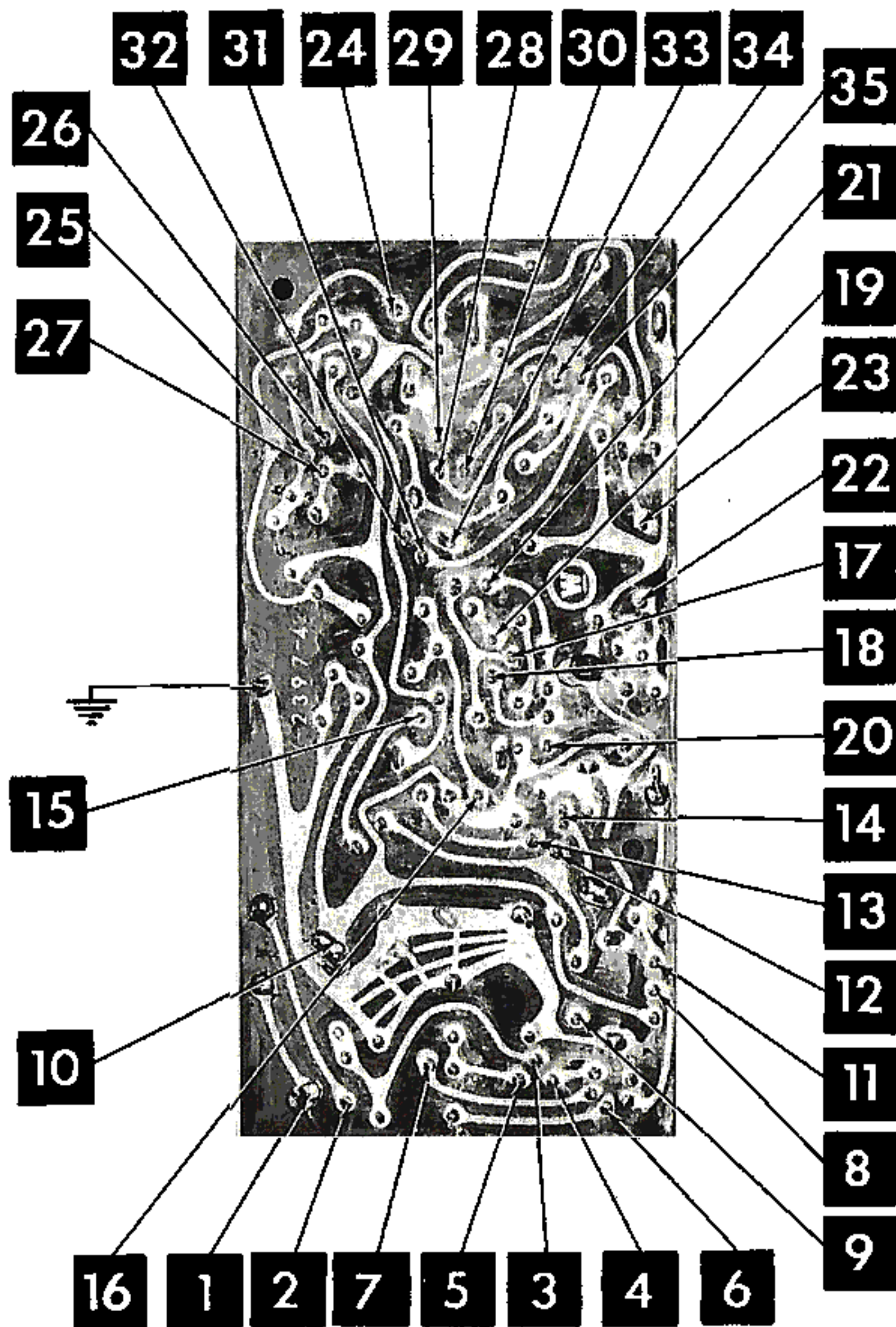
RESISTORS

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

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN TV PART No.	REMARKS			IRC PART No.	WORKMAN TV PART No.	REMARKS
R2	6800Ω				R12	22K			
R3	22K				R13	6800Ω			
R4	2200Ω				R14	470Ω			
R5	56K				R15	2200Ω			
R6	4700Ω				R16	150Ω			
R7	680Ω				R17	2. 7Ω			
R8	6800Ω				R18	2200Ω			
R9	39K				R19	150Ω			
R10	470Ω				R20	2. 7Ω			
R11	470Ω				R21	100Ω			

PRINTED BOARD

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PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Westinghouse PART No.	Merit PART No.	Miller PART No.	Stancor PART No.	Workman TV PART No.	
L1	Loopstick Osc. 1st IF 2nd IF 3rd IF	310V061H01 ①				TA593	① Part #310V048H01 used in some versions. ② Part #235V070H03 used in some versions.
L2		230V092H01				TA594	
L3		235V070H01 ②				TB651	
L4		235V070H02				TB652	
L5		235V071H01				TB649	

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			Westinghouse PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
	PRI.	SEC. 1						
T1	3	1	490V100H01					
		SEC. 2						
		1						

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				Westinghouse PART No.	QUAM PART No.	
	SIZE	FIELD	V. C. IMP.			
SPI	4"	PM	40-50Ω	570V088H01	4A05Z45	

BATTERIES

ITEM No.	VOLTAGE	Westinghouse PART No.	REPLACEMENT DATA				NOTES		
			BURGESS		EVEREADY			MALLORY	
			"A"	"B"	"A"	"B"	"A"	"B"	
M1	1.5V			130 *		635 *		M-14R*	* 4 Required

SIGNAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA				NOTES
		Westinghouse PART No.	GENERAL ELECTRIC PART No.	RAYTHEON PART No.	SYLVANIA PART No.	
M2	1N295 1N87G	296V002H01		1N295 1N87G	1N295 1N87G	Detector (Pigtail) Alternate

MISCELLANEOUS

ITEM No.	PART NAME	Westinghouse PART No.	NOTES
M3	Tuning Cap.	330V027H01	2 Gang

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob	550V080H09	Tuning
Knob	550V098H03	Volume
Cabinet	513V080H02	Back, Red, Model H-725P6A
Cabinet	513V080H01	Front, White, Model H-725P6A, H-726P6A
Cabinet	513V080H04	Back, Turquoise, Model H-726P6A
Cabinet	513V080H03	Back, White, Model H-727P6A, H-728P6A, H-771P6, H-771P6GP, H-772P6, H-772P6GP, H-773P6, H-773P6GP
Cabinet	513V080H05	Front, Mist Green, Model H-727P6A
Cabinet	513V080H06	Front, Charcoal, Model H-728P6A, H-771P6, H-771P6GP
Cabinet	513V080H07	Front, Ivory, Model H-772P6, H-772P6GP
Cabinet	513V080H08	Front, Vermilion, Model H-773P6, H-773P6GP
Case	513V063H01	Carrying, Model H-771P6GP, H-772P6GP, H-773P6GP
Handle	558V217H03	Model H-771P6, H-771P6GP, H-728P6A

WIRING DATA

General-use Unshielded Hook-up Wire Use BKLDKN No. 8530 (Solid) Available in Ten Colors
8524 (Stranded) Available in Ten Colors

CHASSIS—TOP VIEW

