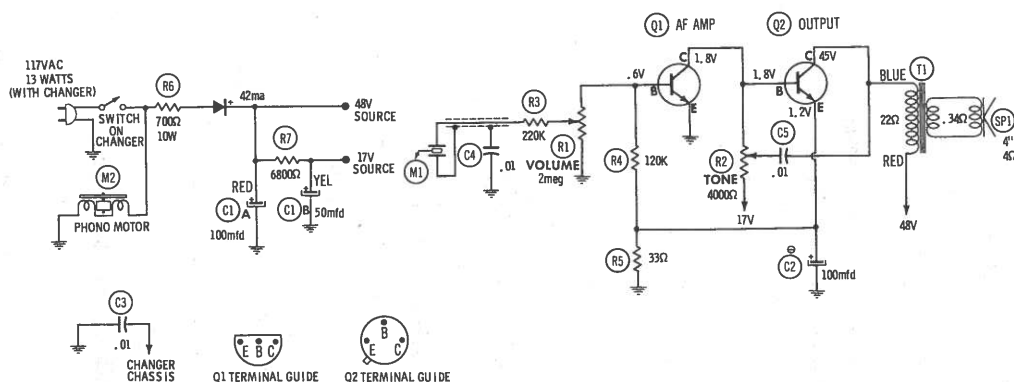
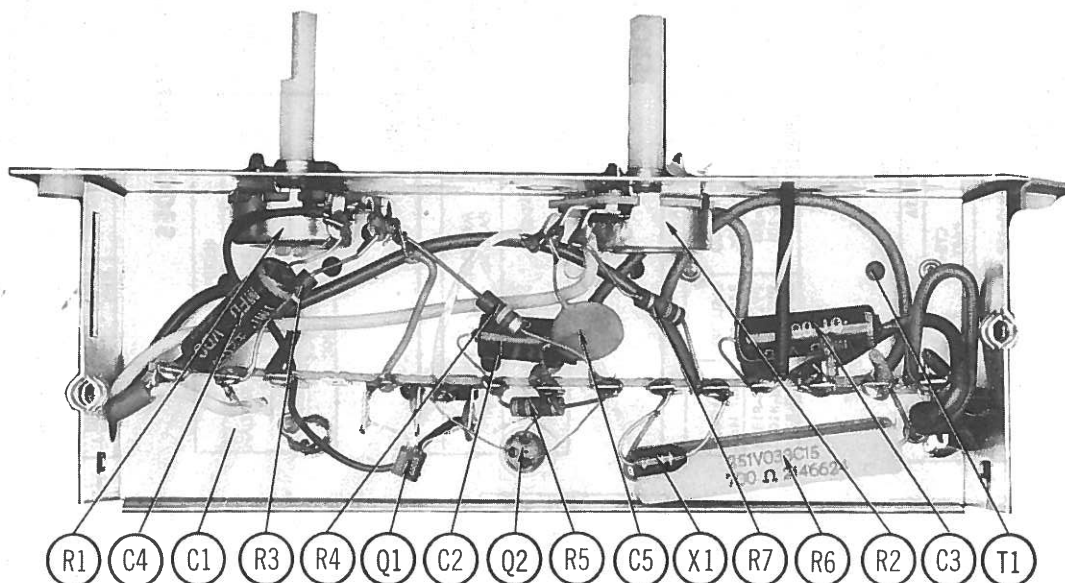


# PHOTOFACT® Folder

## WESTINGHOUSE MODELS H-109AC1K/2K (Ch. V-2537-1)

TRADE NAME: Westinghouse Models H-109AC1K,  
H-109AC2K (Ch. V-2537-7)  
SUPPLIER: For Current Address, See Annual Index  
TYPE SET: 2-Transistor Amplifier W/4-Speed  
Automatic Record Changer  
POWER SUPPLY: 110 - 120 Volts AC, 60 Cycles  
RATING: 10 Watts, .075 Amp. @ 117 Volts AC  
(Less Motor)

FOR SERVICE INFORMATION ON RECORD CHANGER—  
SEE SIMILAR CHANGER—PHOTOFACT SET 784, FOLDER 6



- ⊥ Denotes ground.  
\* Not used in some versions.  
⊙ See parts list.  
1. Switches viewed from knob or actuator end unless otherwise indicated.  
2. Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.  
3. Voltage and resistance readings taken with a VTVM.  
4. Supply voltage maintained at rated value for voltage measurements.  
5. All controls set for normal operation, no signal applied.  
6. Measured values are from socket pin or terminal to common ground.  
7. All terminals viewed from bottom unless otherwise indicated.  
8. Numbers assigned to terminals may not be found on the unit.  
9. Resistance measurements not given because of the wide variation in internal resistance of the transistor.
- A PHOTOFACT STANDARD NOTATION SCHEMATIC  
© Howard W. Sams & Co., Inc. 1967

WESTINGHOUSE MODELS  
H-109AC1K/2K (Ch. V-2537-1)

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. SR198

Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1967 Howard W. Sams & Co., Inc., Indianapolis, Indiana 46206. Printed in U. S. of America

DATE 6 -67

SET 891 FOLDER 9



# PARTS LIST AND DESCRIPTION

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

## TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES	Westinghouse PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q1 Q2		AF Amp. Output	DS-66	GE-10	TR-21	SK-3020	NPN NPN	297V059H03 297V060H03

## 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	.042A	295V027C01	GE-504A or GE-505	8D4 or 5A4-D	A100 or 1N537	SK3016 or SK3017A	F-4 or 40C

## 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.	SPRAGUE PART No.
C1A B C2	100 50 100	75 75 12	218V025H73 ①	PR2-045 CRE423A	BBRD0183.7 NLW100-12	QT2-10.2 MT1-19	WD235 TT12X100	TVA-2465 TE-1135

① Some versions may use 100 mfd @ 3.5V in this application, Part No. 218V012H28

## 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 C4 C5	.01 600V .01 600V .01		DBE6S1 DBE6S1 DI-10000	CPR-10000J CPR-10000J DD-103	DMF6S1 DMF6S1 BYX601ZU103M	6DP-1-103 6DP-1-103 CCD-103	PVC611 PVC611 GP110	6PS-S10 6PS-S10 10TS-S10

## CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			Westinghouse PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume	2 meg	270V172B05	F2-2Meg, SN200	A47-2Meg-Z, RN-3 ①, TT-2 or (NP-2Meg-Z, NML-A-300 ①, TT-2)	B13-139, TM4 ① or (BU11, CF27, SS6 ①) *	RU26A, SL37, SN2000 ① or (UA26A, SN2000 ①)
R2	Tone	4000Ω	270V172B07	F1-5000, SN200	A47-4000-S, RN-3 ①, TT-2 or (NP-4000-S, NML-A-300 ①, TT-2)	B11-114, TM4 ① or (BU11, CF8, SS6 ①) *	RU53L, SL37, SN2000 ①, or (UA53L, SN2000 ①)

① File Flat

\* SNAPTROL

## 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.	PART No.
R6	700Ω 10W	PW10-700	10W-SQ-700	231V033H15					

## 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.	
T1	790Ω	3-4Ω	430V156H01 (430V156B01)					

## SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		Westinghouse PART No.	JENSEN PART No.	QUAM PART No.	
SP1	4" PM	3-4Ω	570V059H01	P4W3	4A07

## PHONO CARTRIDGE & NEEDLES

\*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	REPLACEMENT DATA							NOTES	
	Westinghouse PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.		
	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE		NEEDLE*
M1	671V029A01	690V025H29 * (690V025H30) *	146	N62 *	289	2421 *			
				N160 *		2421 *			Needle Replacement for Original Cartridge

## MISCELLANEOUS

ITEM No.	PART NAME	Westinghouse PART No.	NOTES
M2	Motor	670V042D02	Phono

## CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Cabinet, Model H-109AC1K (Charcoal)	690V055H34	Knob, Tone	550V290H05
Cabinet, Model H-109AC2K (Desert Sand)	690V055H35	Knob, Volume	550V290H06

## WIRING DATA

General-use Unshielded Hook-up Wire ..... Use BELDEN No. 8530 (Solid) Available in 12 Colors  
8524 (Stranded) Available in 12 Colors  
Power Cord ..... Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft.  
17109 (Plastic) or 17129 (Rubber) - 9 Ft.  
Power Cord (Interlock Type) ..... Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)  
Low-Loss Shielded Lead (Interconnecting) ..... Use BELDEN No. 8401 or 8421  
Phono Pick-up Arm Cable ..... Use BELDEN No. 8430 (Two Conductor-Unshielded)  
8429 (Two Conductor-Shielded)  
8419 (Three Conductor-Shielded)