

PHOTOFACT* Folder



SHERWOOD MODEL
S-1000-II (Revised)



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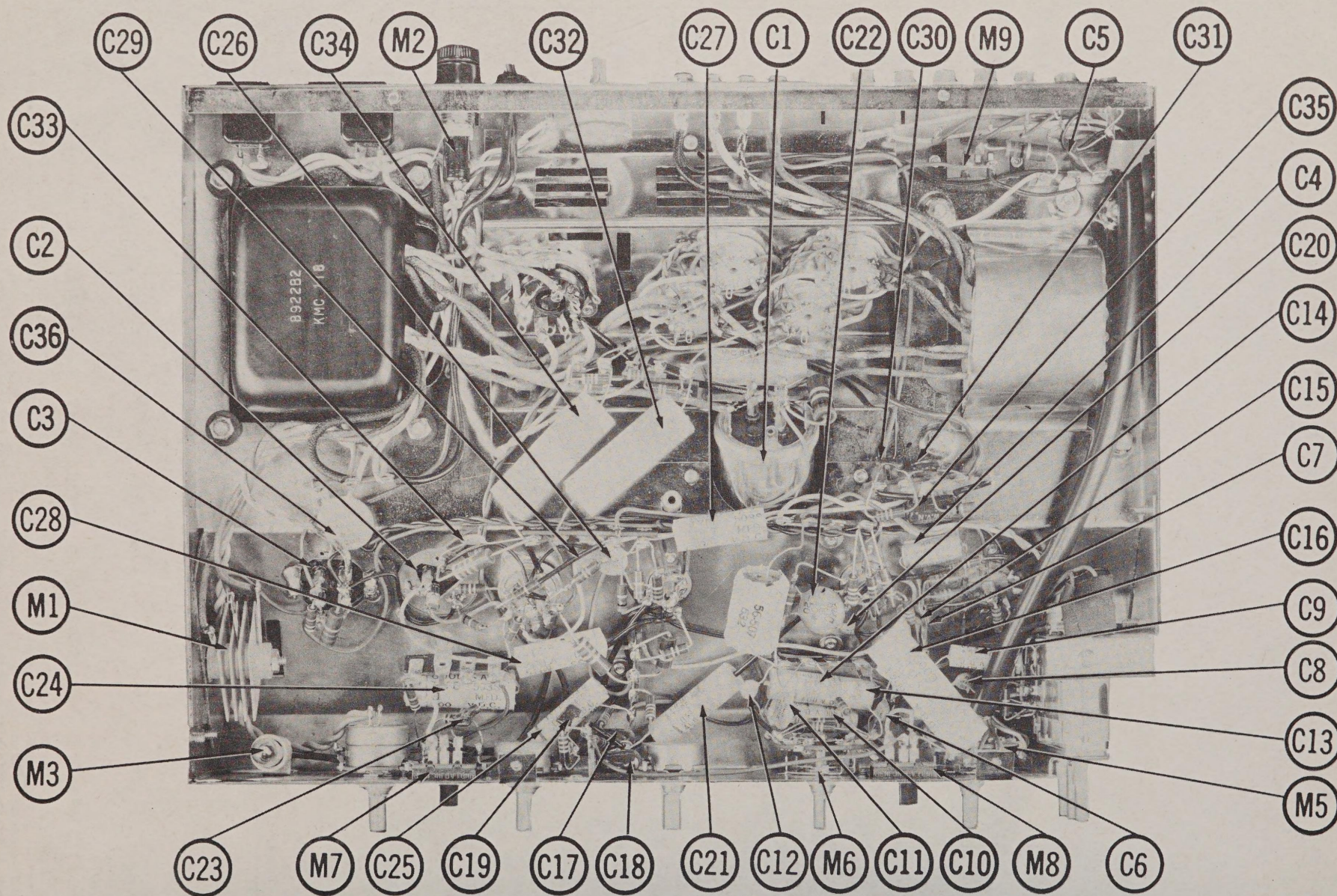
SHERWOOD MODEL
S-1000-II (Revised)

TRADE NAME	Sherwood Model S-1000-II (Revised)		
MANUFACTURER	Sherwood Electronic Laboratories, Inc., 4300 N. California Ave., Chicago 18, Illinois		
TYPE SET	AC Operated Audio Amplifier		
TUBES	Nine		
POWER SUPPLY	110 - 120 Volts AC - 60 Cycles	RATING	88 Watts, .87 Amp. @ 117 Volts AC

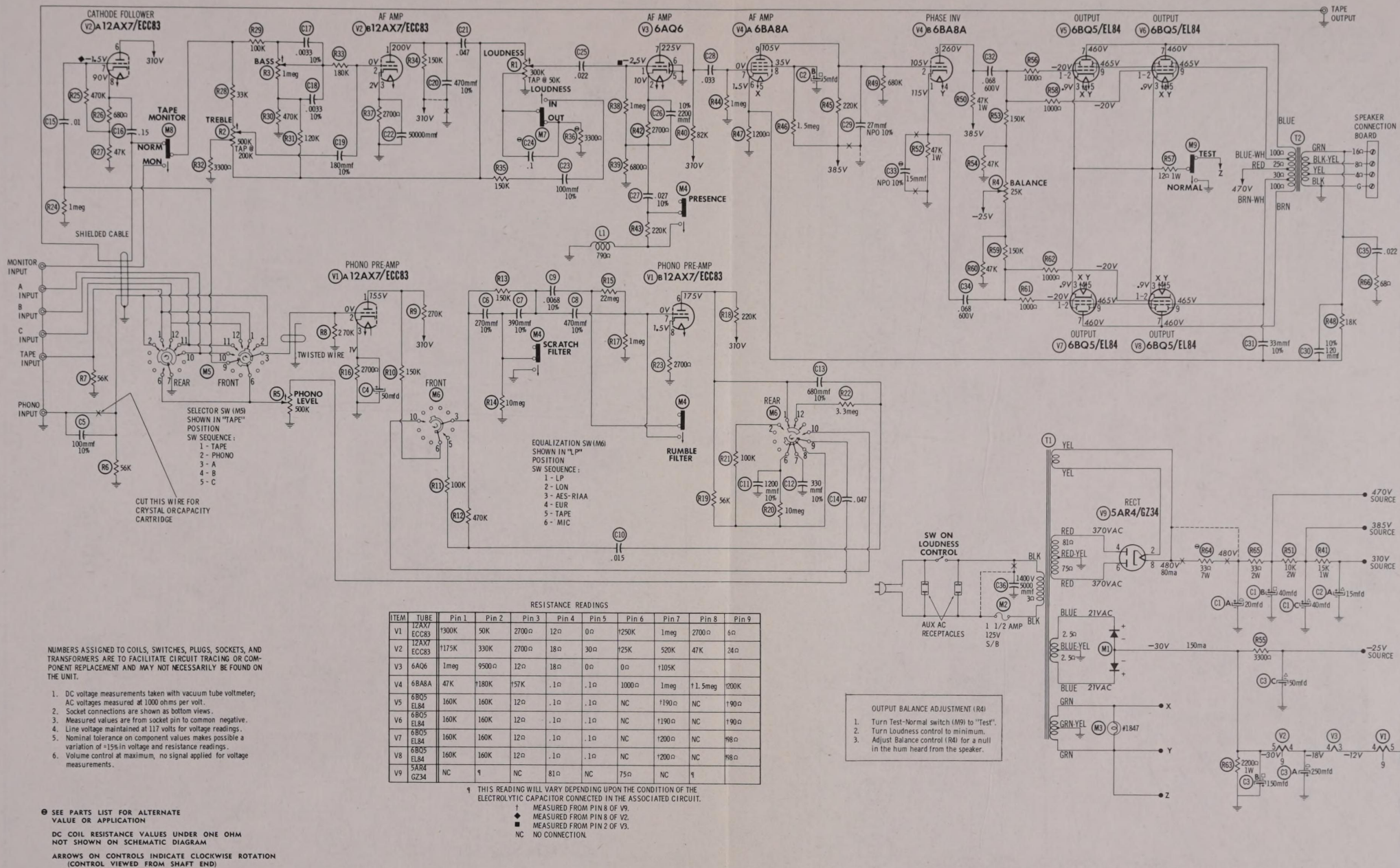
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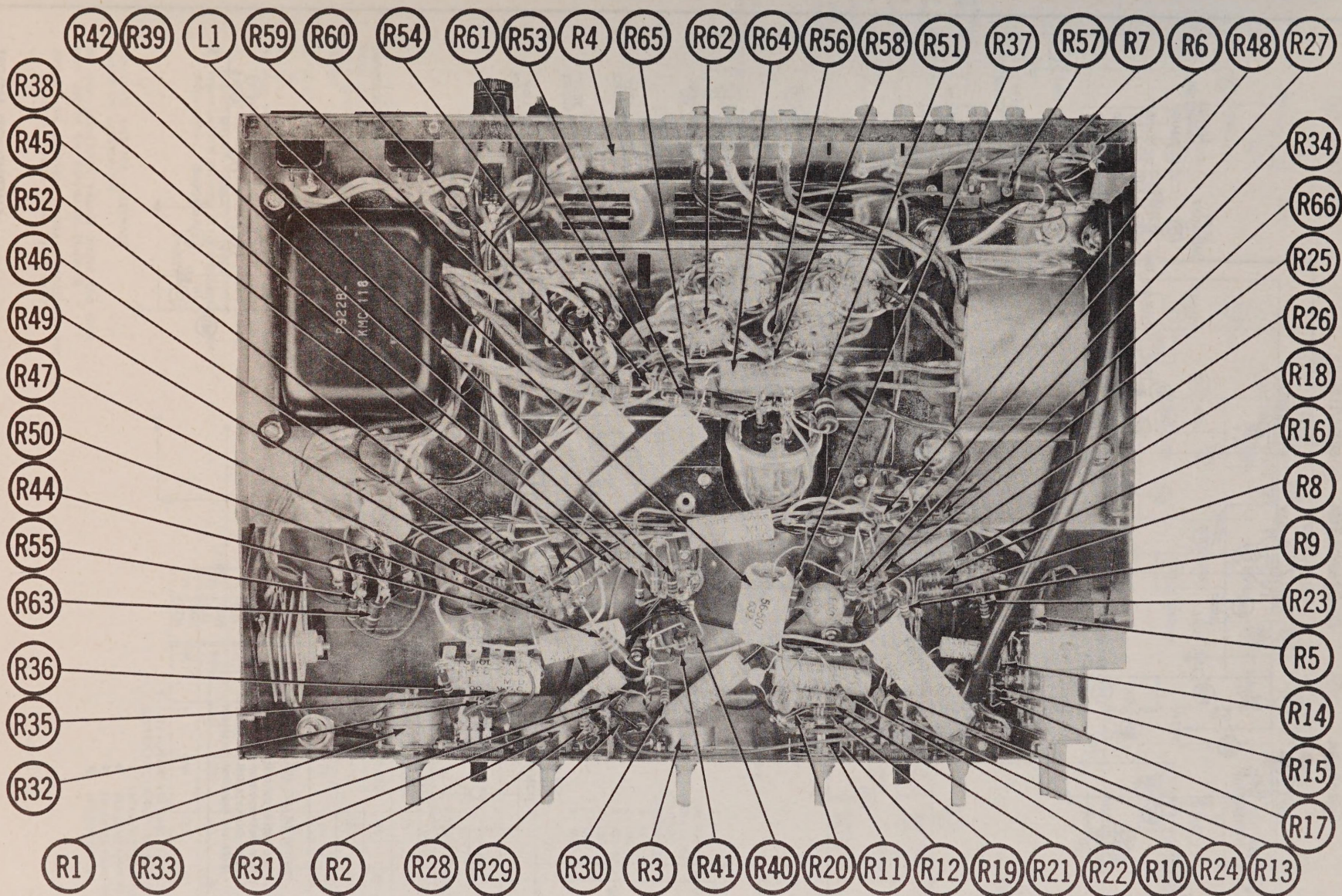
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CHASSIS BOTTOM VIEW - ALIGNMENT, CAPACITOR & MISC. IDENT.

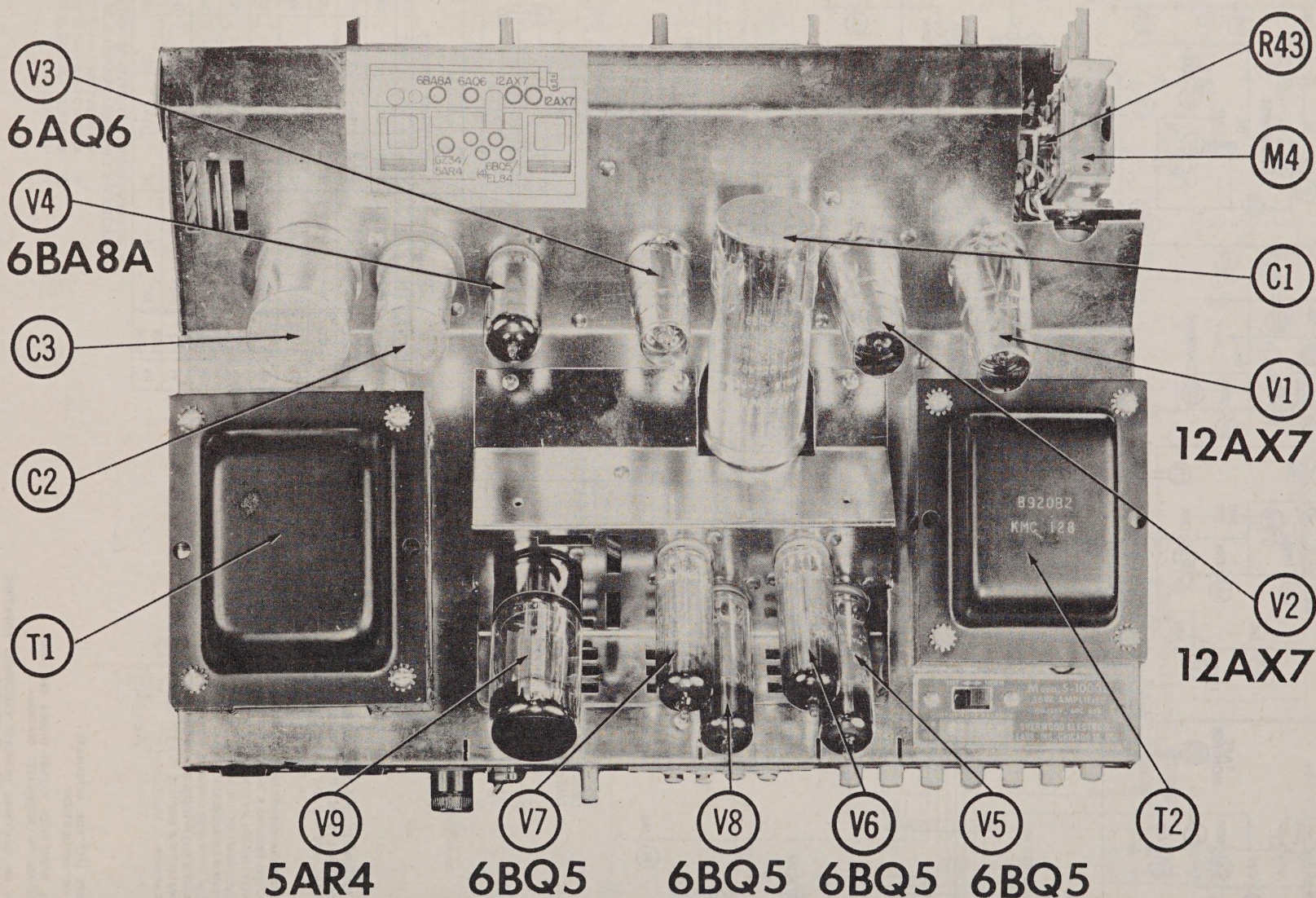




CHASSIS BOTTOM VIEW - RESISTOR & INDUCTOR IDENT.

MODEL S-1000-II (REVISED)

SHERWOOD



CHASSIS - TOP VIEW

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE
V1	Phono Preamplifier	12AX7/ECC83
V2	Cath. Follower - AF Amp.	12AX7/ECC83
V3	AF Amplifier	6AQ6
V4	AF Amp. -Phase Inverter	6BA8A
V5	Output	6BQ5/EL84

ITEM No.	USE	TYPE
V6	Output	6BQ5/EL84
V7	Output	6BQ5/EL84
V8	Output	6BQ5/EL84
V9	Rectifier	5AR4/GZ34

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	SHERWOOD PART No.	AEROVOX PART No.	CORNELL DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1A	▲ 20	500		AFH3-54	D0185			R2738 *
B	■ 40	500						
C	▲ 40	500						
C2A	▲ 15	400		AFH2-47	A0450	FP143	S-255	R2733 *
B	■ 5	400			BR445	TC70	MT-4504	
C3A	▲ 250	50						R2734 *
B	■ 150	50						
C	▲ 50	50						
C4	50	6		PWE6050	NL50-6	TT6X50	ML50-6	TVA-1100

* Not normally in distributors stock. Available through distributor on order to manufacturer.

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		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	SHERWOOD PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
C5	100			1469-0001	DD-101	22R5T1	MCB235	MS-31	10%
C6	270				MD-271	L10T27		5TCC-T27	10%
C7	390				MD-391	L10T39			10%
C8	470				MD-471		JL-347		10%
C9	.0068	400					GEM-16268	5BF-D68	10%
C10	.015	400		P488N-015		CUB6S15	GEM-4115	4TM-S15	10%
C11	1200						JL-212		10%
C12	330				MD-331	L10T33	JL-333		10%
C13	680				MD-681		JL-368		10%
C14	.047	400		P488N-047	DF-503	CUB4S47	GEM-4147	4TM-S47	
C15	.01	400		P488N-01	D6-103	CUB4S1	GEM-411	4TM-S1	
C16	.15	200		P288N-15		CUB2P15	GEM-2015	2TM-P15	
C17	.0033	400					GEM-16233	5BF-D33	10%
C18	.0033	400					GEM-16233	5BF-D33	10%
C19	180			1469-00018	DD-181	22R5T18		MS-318	10%
C20	470				MD-471		JL-347		10%
C21	.047	400		P488N-047	DF-503	CUB4S47	GEM-4147	4TM-S47	
C22	50000			BPD-05	DF-503		5HK-S5		
C23	100			1469-0001	DD-101	22R5T1	MCB235	MS-31	10%
C24	.1	400		P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	①
C25	.022	400		P488N-022	D6-203	CUB4S22	GEM-4122	4TM-S22	
C26	2200						JL-222		10%
C27	.027	400						5BF-S27	10%
C28	.033	400		P488N-033		CUB6S33	GEM-4133	6TM-S33	
C29	27					C10Q27C	CNO-427		NPO 10%
C30	120			NPO-D1120	DD-121	22R5T12		MS-312	10%
C31	33			NPO-D133	DD-330	22R5Q33		MS-433	10%
C32	.068	600		P688N-068		CUB6S68	GEM-6168	6TM-S68	
C33	15			NPO-D115	DTZ-15	C10Q15C	CNO-415	5TCC-Q15	NPO ② 10%
C34	.068	600		P688N-068		CUB6S68	GEM-6168	6TM-S68	
C35	.022	400		P488N-022	D6-203	CUB4S22	GEM-4122	4TM-S22	
C36	5000	1400		HVD-15-5000	DD30-502	HVE16D5		20HK-D5	

① Some versions may use .22mfd in this application.

② Not used in some versions.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	SHERWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
R1A	300K	1/2	A671B4	BT-57	A47F1-350K	Q18-132X	UT-425	Loudness, Tap@50K
B	Shaft			Not Req.	FS-3	Not Req.	Not Req.	
C	Switch			KB-1 or KR-1*	SWE-12	76-1	US-26	
R2A	500K	1/2	670AB1	BT-65	A47F5-500K	Q19-133X	UT-421	Treble, Tap@200K
B	Shaft			Not Req.	FS-3	Not Req.	Not Req.	
R3A	1meg	1/2	670AB2	B-69	A47-1meg-S	Q11-137	U54	Bass
B	Shaft			Not Req.	FS-3	Not Req.	Not Req.	
R4A	25K	1/2	A670B6	AB-26	B47-25K-S	B11-120	TA253L	Balance
B	Shaft			AK-1	Not Req.	TM2	Not Req.	
R5A	500K	1/2	670AB7					Phono Level
B	Shaft							

* Use KR with CRL "Red Label" controls and KR with "Blue Label" controls.

RESISTORS

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

ITEM No.	RATING		SHERWOOD PART No.	NOTES
	OHMS	WATT		
R6	56K			
R7	56K			
R8	270K			
R9	270K			
R10	150K			
R11	100K			
R12	470K			
R13	150K			
R14	10meg			
R15	22meg			
R16	2700Ω			
R17	1meg			
R18	220K			
R19	56K			
R20	10meg			
R21	100K			
R22	3.3meg			
R23	2700Ω			
R24	1meg			
R25	470K			
R26	680Ω			
R27	47K			
R28	33K			
R29	100K			
R30	470K			
R31	120K			
R32	3300Ω			
R33	180K			
R34	150K			
R35	150K			
R36	3300Ω			Note 1

Note 1. Some versions may use 1800Ω in this application.

Note 2. Not used in some versions.

COILS

ITEM No.	USE	REPLACEMENT DATA					NOTES
		SHERWOOD PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L1	Tone Choke	56-507					140 Millihenries

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PARTS LIST AND DESCRIPTIONS (cont)

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA						
	PRI.	SEC. 1	SEC. 2	SHERWOOD PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
	T1	117V @ .87A	740VCT @ .080A	5V @ 1.9A	B922B2					
	SEC. 3 6.3VCT @ 3.6A	SEC. 4 52VCT @ .15A	SEC. 5							

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA							NOTES
	PRI.	SEC.	SHERWOOD PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T2	5200Ω CT Screen 8Ω Taps @ 4Ω 500Ω CT	16Ω Taps @	B920B2							

SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA				NOTES
	CURRENT (Measured)	SHERWOOD PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	
M1	.150A				3N26-2CNI-RV	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			SHERWOOD PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M2	3AG	1½A 125V S/B			31301.5 (1½A 125V S/B)	342001	MDL 1½	HKP

MISCELLANEOUS

ITEM No.	PART NAME	SHERWOOD PART No.	NOTES
M3	Lamp		#1847
M4	Switch		Rumble, Scratch Filter, Presence (SPST, Slide, Spring Return Type)
M5	Switch		Input Selector, (5 Position, Rotary Wafer Type)
M6	Switch		Equalization, (6 Position, Rotary Wafer Type)
M7	Switch		Loudness, (SPDT, Slide Type)
M8	Switch		Tape Monitor, (SPDT, Slide Type)
M9	Switch		Test-Normal, (SPDT, Slide Type)

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
8524 (Stranded) Available in Ten Colors
Power Cord Use BELDEN No. 1765-B (6 Ft. Length)
1725-K (7½ Ft. Length)