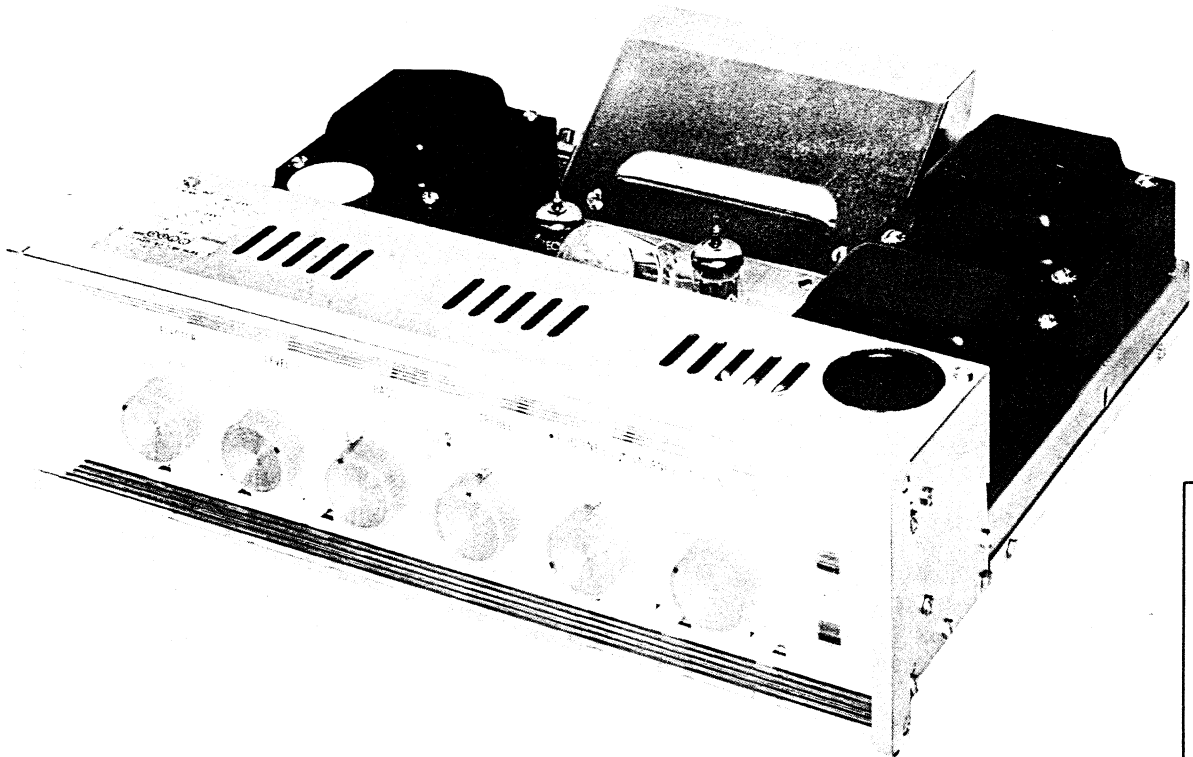


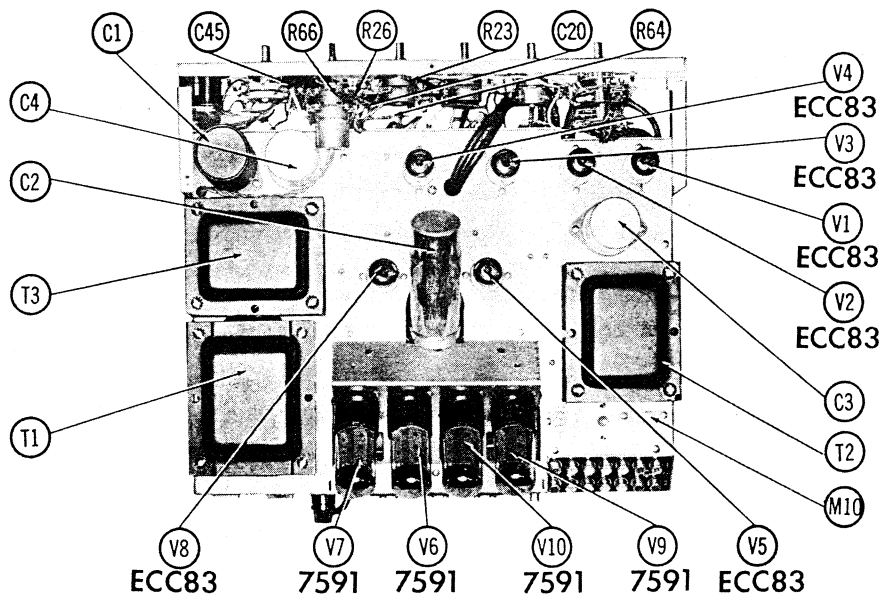
**SHERWOOD MODEL  
S-5000II**

**SHERWOOD MODEL  
S-5000II**



**SHERWOOD MODEL  
S-5000II**

TRADE NAME	Sherwood Model S-5000 II		
MANUFACTURER	Sherwood Electronic Laboratories, Inc., 4300 N. California Ave., Chicago 18, Illinois		
TYPE SET	AC Operated 10 Tube Stereo Amplifier		
POWER SUPPLY	110 - 120 Volts AC, 60 Cycles	RATING	145 Watts, 1.5 Amp. @ 117 Volts AC



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

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

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA		REMARKS
		IRC PART No.	WORKMAN PART No.			IRC PART No.	WORKMAN PART No.	
R6	47K			R55	47K			
R7	270K 1W			R56	470K			
R8	150K			R57	330K			
R9	1meg			R58	2.7meg			
R10	270K 1W			R59	100K			
R11	1500Ω			R60	2.7meg			
R12	1.2meg			R61	180K			
R13	270K			R62	150K			
R14	47K			R63	1200Ω			
R15	470K			R64	47K			
R16	330K			R65	150K			
R17	2.7meg			R66	1500Ω			
R18	100K			R67	82K			
R19	680Ω			R68	150K			
R20	2.7meg			R69	1meg			
R21	180K			R70	Imeg			
R22	150K			R71	22K			
R23	47K			R72	270K			
R24	1200Ω			R73	1200Ω			
R25	150K			R74	15K			
R26	1500Ω			R75	Imeg			
R27	150K			R76	47K			
R28	82K			R77	3300Ω			
R29	Imeg			R78	47K			
R30	Imeg			R79	47K			
R31	22K			R80	150K			
R32	270K			R81	1000Ω			
R33	1200Ω			R82	47K			
R34	15K			R83	150K			
R35	Imeg			R84	1000Ω			
R36	47K			R85	6.8Ω 1W			
R37	3300Ω			R86	18K			
R38	47K			R87	1800Ω			
R39	150K			R88	18K			
R40	47K			R89	4700Ω			
R41	1000Ω			R90	2700Ω			
R42	150K			R91	4700Ω			
R43	47K			R92	2700Ω			
R44	1000Ω			R93	33Ω 1W			
R45	6.8Ω 1W			R94	33Ω 1W			
R46	47K			R95	4700Ω			
R47	270K 1W			R96	2200Ω 1W			
R48	150K			R97	22Ω 7W	PW7-22	7W-SQ-22	
R49	1000Ω			R98	82K			
R50	Imeg			R99	10K 2W			
R51	270K 1W			R100	4700Ω 5W	PW5-4700	5W-SQ-4700	
R52	1500Ω			R101	1200Ω 5W	PW5-1200	5W-SQ-1200	
R53	1.2meg			R102	33Ω 7W	PW7-33	7W-SQ-33	
R54	270K			R103	5.1Ω 5W	PW5-5.1	5W-SQ-5.1	

\* Alternate Value.  
Note 1. Units are matched within 3%.

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA		REMARKS
		SEC. 1	SEC. 2			SEC. 1	SEC. 2	
T1	117V @ 1.5A AC	480VCT @ .300A DC						
	SEC. 3 6.3VCT @ 4A	SEC. 4	SEC. 5					

WIRING DATA

General-use Unshielded Hook-up Wire ..... Use BELDEN No. 8530 (Solid) Available in 12 Colors  
Power Cord ..... Use BELDEN No. 8524 (Stranded) Available in 12 Colors  
Power Cord (Interlock Type) ..... Use BELDEN No. 17108 (Plastic) or 17128 (Rubber) - 6 Ft.  
Low-Loss Shielded Lead (Interconnecting) ..... Use BELDEN No. 17109 (Plastic) or 8895 (Plastic)  
Phono Pick-up Arm Cable ..... Use BELDEN No. 8874 (Rubber) or 8421  
8429 (Two Conductor-Unshielded)  
8419 (Three Conductor-Shielded)

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		SHERWOOD PART No.	Merit PART No.	Stancor PART No.	Thornderson PART No.	
T2	6500Ω CT 16Ω Tap @ 8Ω, 4Ω	B920J5-0				
T3	6500Ω CT 16Ω Tap @ 8Ω, 4Ω	B920J6-0				

COMPONENT COMBINATIONS

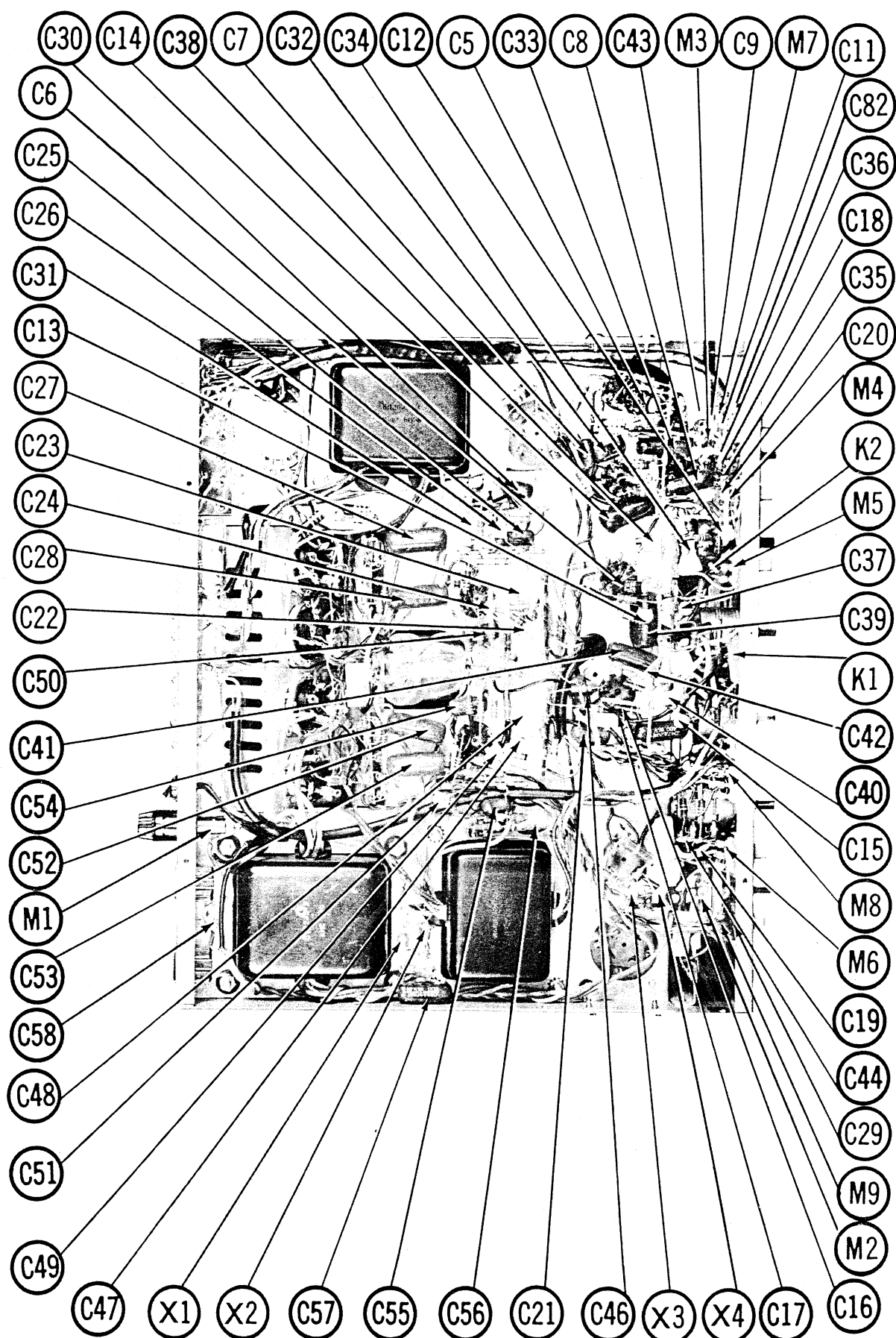
ITEM No.	USE	DESCRIPTION	SHERWOOD PART No.	REPLACEMENT DATA
K1	Tone Compensation	330mmf, 330mmf, 100K, 150K, 270K	A680B2	Sprague TC-27
K2	Tone Compensation	330mmf, 330mmf, 100K, 150K, 270K	A680B2	Sprague TC-27

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			SHERWOOD PART No.	LITTELFUSE PART No.	BUSS PART No.	
M1	3AG	2A 250V	FUSE	FUSE	FUSE	HOLDER
				313002 (3AG 2A 250V)	342001	MDL 2 HKP

MISCELLANEOUS

ITEM No.	PART NAME	SHERWOOD PART No.	NOTES
M2	Switch		Function Selector (Rotary Wafer Type)
M3	Switch		Mode (Rotary Wafer Type)
M4	Switch		Hi Filter (DPDT Slide Type)
M5	Switch		Lo Filter (DPDT Slide Type)
M6	Switch		Loudness (DPDT Slide Type)
M7	Switch		Tape Monitor (DPDT Slide Type)
M8	Switch		Normal-Reverse (Phase) (DPDT Slide Type)
M9	Switch		Presence (DPDT Slide Type)



CHASSIS BOTTOM VIEW - CAPACITOR & MISC. IDENT.

# PARTS LIST AND DESCRIPTIONS

## TUBES

AMPEREX - GENERAL ELECTRIC			RAYTHEON - PENNSYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	Left Channel Preamp. - Right Channel Preamp.	ECC83/12AX7	V5	Left Channel A.F. Amp. - Phase Inverter	ECC83/12AX7
V2	Left Channel Preamp. - Right Channel Preamp.	ECC83/12AX7	V6	Left Channel Output	7591
V3	Left Channel A.F. Amp. - Right Channel A.F. Amp.	ECC83/12AX7	V7	Right Channel Output	7591
V4	Left Channel A.F. Amp. - Right Channel A.F. Amp.	ECC83/12AX7	V8	Left Channel A.F. Amp. - Phase Inverter	ECC83/12AX7
			V9	Right Channel Output	7591
			V10	Right Channel Output	7591

## POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measured I)	RECTIFIERS		DIODES		NOTES
		ORIGINAL Part or Type No.	SARKES RCA PART No.	GENERAL ELECTRIC PART No.	RAYTHEON PART No.	
X1	.200A		INI763			
X2	.200A		INI763			
X3	.300A		INI763			
X4	.300A		INI763			

## ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP. VOLT.	REPLACEMENT DATA		REPLACEMENT DATA		SPRAGUE PART No.
		SHERWOOD PART No.	AEROVOX PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	
C1	.150 250	A120J4-1	AFH2-71-90 FRS195	FC1265 TC288	FC1265 TC288	
C2A	.150 250	A120J3	AFH2-71-90 FRS195	FC1265 TC288	FC1265 TC288	
C3	.30 450					
C3A	.40 450	A120J5-6	AFH2-54 FRS1570	FC282.5 TC78	FC282.5 TC78	
C4A	.150 50	I20AD6-10				
C5	.50 3		PTT12	MTL-15	MTL-15	PCL3672.5
C6	.25 3		PTT9	MTL-10	MTL-10	TE-1058 TE-1055

## FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNBELL-DUBILIER PART No.	ELMENDO PART No.	SPRAGUE PART No.
C7	.01 400V		P488N-01	D6-103	CUB4S1	4DP-1-103	4TM-S10
C8	.047 400V		P488N-047	DF-503	CUB4S47	4DP-3-473	4TM-S47
C9	250 10%		DI-250	DD-251	LIOT15	CCD-251	10TS-T25
C10	82 N750 10%				LIOT25	CCTN-820	10TS-T25
C11	68 N750 10%				LIOT25	CCTN-820	10TS-T25
C12	250 10%	(33) †	N750-D1 68	DTN-68	LIOT25	CCTN-680	10TS-T25
C13	43 N750 10%		DI-250	DD-251	LIOT25	CCD-251	10TS-T25
C14	15 200V		P288N-15		CUB4S1	2DP-3-154	2TM-P15
C15	180 10%		DI-180	DD-181	LIOT18	CCD-181	4TM-S18
C16	.047 400V		P488N-047	DF-503	CUB4S47	4DP-3-473	4TM-S47
C17	.05		BPD-05	DD-251	LIOT25		5HK-S50
C18	250 10%	(220) †					10TS-T25
C19	100 N1500 10%	(66) †					

## FIXED CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNBELL-DUBILIER PART No.	ELMENDO PART No.	SPRAGUE PART No.
C20	.12 100V 10%	(.056) †	P488N-022	DD-203	CUB4S22	4DP-2-223	4TM-S22
C21	.022 400V		DI-3300			CCD-332	10TS-D33
C22	.0033 10%		BPD-05	DD-503	LIOT15	CCD-151	5HK-S50
C23	.05		P488N-022	DD-203	CUB4S22	4DP-2-223	10TS-T25
C24	150 10%				LIOT15	CCD-151	10TS-T25
C25	.022 400V				LIOT25	CCD-121	10TS-T12
C26	120 10%	Note 1	V84C6S68	DD-203	LIOT25	CCD-121	10TS-T12
C27	.068 600V 10%	Note 1	V84C6S68	DD-203	LIOT25	CCD-121	10TS-T12
C28	.068 600V 10%	Note 1	V84C6S68	DD-203	LIOT25	CCD-121	10TS-T12
C29	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	6TM-S68
C30	.0068 400V		P488N-0068	DD-203	CUB4S22	4DP-2-223	6TM-S68
C31	.05		BPD-05	DD-503	LIOT25	CCD-151	6TM-S68
C32	.01 400V		P488N-01	DD-503	LIOT25	CCD-151	6TM-S68
C33	.047 400V		P488N-047	DD-503	LIOT25	CCD-151	6TM-S68
C34	250 10%		DI-250	DD-251	LIOT25	CCD-251	4TM-S10
C35	82 N750 10%				LIOT25	CCD-251	4TM-S10
C36	68 N750 10%				LIOT25	CCD-251	4TM-S10
C37	250 10%	(33) †	N750-D1 68	DTN-68	LIOT25	CCD-251	10TS-T25
C38	43 N750 10%		DI-250	DD-251	LIOT25	CCD-251	10TS-T25
C39	.15 200V		P288N-15		CUB4S15	2DP-3-154	2TM-P15
C40	180 10%		DI-180	DD-181	LIOT18	CCD-181	4TM-S18
C41	.047 400V		P488N-047	DD-503	LIOT25	CCD-251	4TM-S47
C42	.05		BPD-05	DD-251	LIOT25	CCD-251	5HK-S50
C43	250 10%	(220) †					10TS-T25
C44	100 N1500 10%	(66) †					
C45	.12 100V 10%						
C46	.022 400V						
C47	.0033 10%						
C48	.05		P488N-022	DD-203	CUB4S22	4DP-2-223	4TM-S22
C49	150 10%		BPD-05	DD-503	LIOT15	CCD-151	5HK-S50
C50	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	10TS-T15
C51	120 10%		DI-120	DD-121	LIOT12	CCD-121	10TS-T12
C52	.068 600V 10%	Note 1	V84C6S68	DD-203	LIOT12	CCD-121	10TS-T12
C53	.068 600V 10%	Note 1	V84C6S68	DD-203	LIOT12	CCD-121	10TS-T12
C54	.022 400V		P488N-022	DD-203	LIOT12	CCD-121	10TS-T12
C55	.0068 400V		P488N-0068	DD-203	LIOT12	CCD-121	10TS-T12
C56	.05		BPD-05	DD-503	LIOT12	CCD-121	10TS-T12
C57	.033 600V 10%	(.05) †	V84C6S33	DD-503	LIOT12	CCD-121	10TS-T12
C58A	.0022		BPD2X0022	DD3-202	BYC6DD22	CCD-222	5HK-S50
B							5HK-2D22

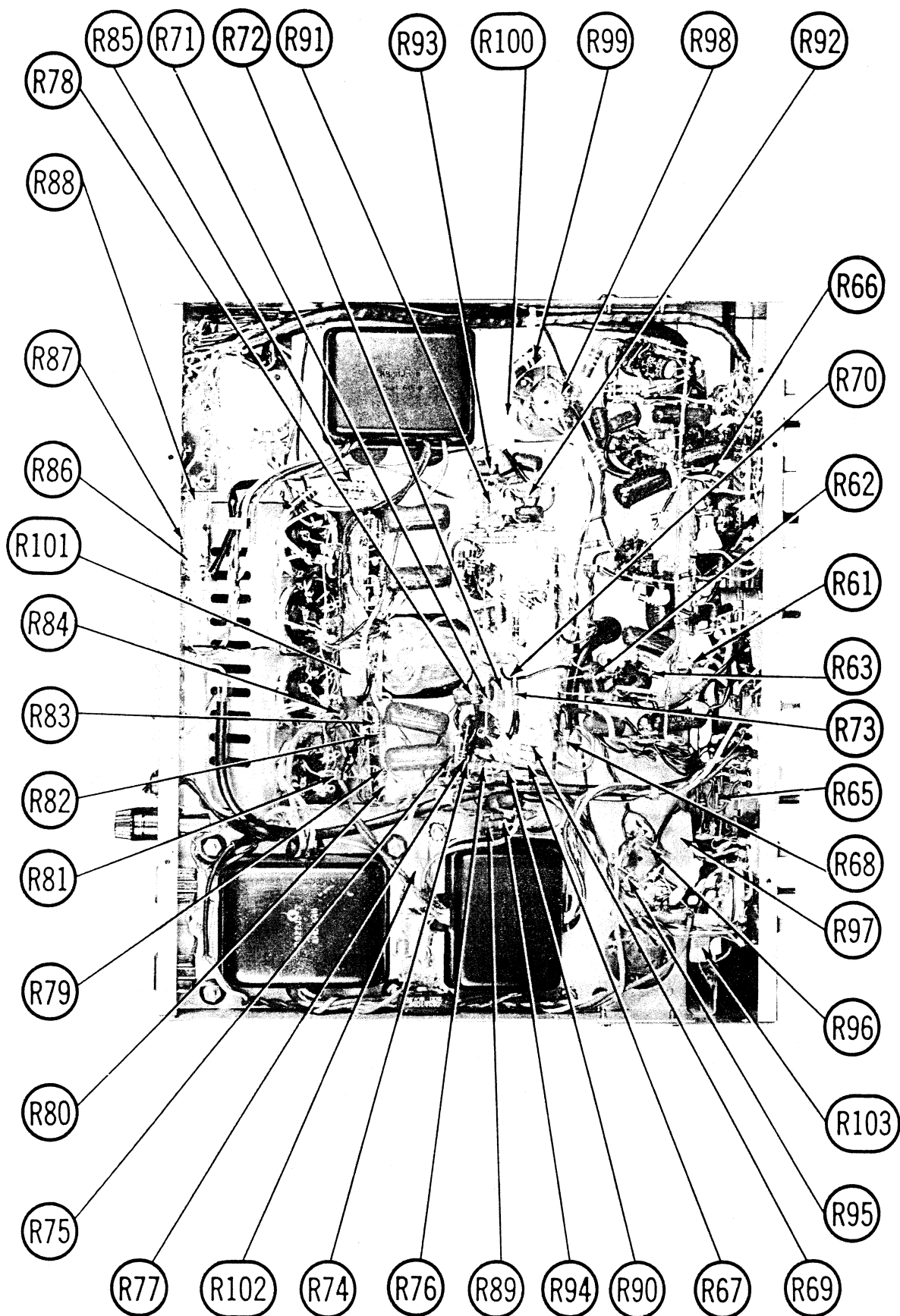
\* Not normally in distributor's stock. Available thru distributor on order to manufacturer.  
† Alternate Value.  
Note 1. Units are matched within 3%.

## CONTROLS

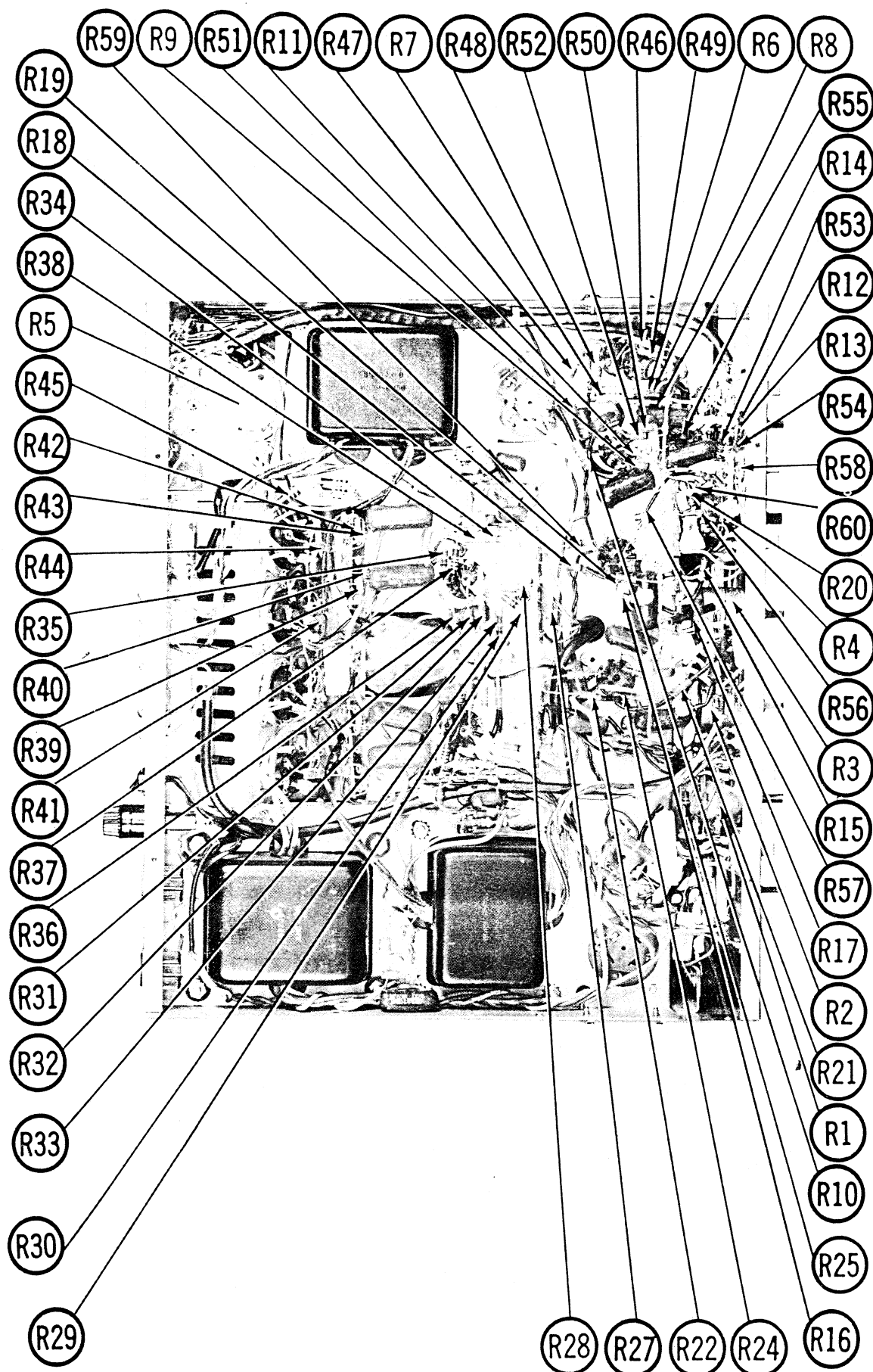
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA			
			SHERWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.
R1A	Balance (Stereo)	500K	A670J13-3			
B	Loudness, Right Ch.	300K				
C	Loudness, Left Ch.	300K				
R2A	Treble, Left Ch.	500K	A670J2	F3-42, R4-42, AK-32		
B	Treble, Right Channel	500K				
R3A	Base, Left Channel	Imag	A670J3	F1-51, R2-51, AK-32		
B	Base, Right Channel	Imag				
R4A	Level, Left Channel	500K	A670J14-1	B-60, SR-60		
B	Level, Right Channel	500K				
R5A	Tube Balance, Right Channel	15K	A670J6			
B	Tube Balance, Left Channel	15K				

SHERWOOD MODEL  
S-5000II



CHASSIS BOTTOM VIEW — RESISTOR IDENT. (R61-R103)



CHASSIS BOTTOM VIEW — RESISTOR IDENT. (R1-R60)

