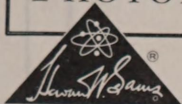


PHOTOFACT® Folder

SHERWOOD
MODEL S-4000SHERWOOD
MODEL S-4000SHERWOOD
MODEL S-4000

TRADE NAME	Sherwood Model S-4000	
MANUFACTURER	Sherwood Electronic Laboratories, Inc., 4300 N. California Ave., Chicago 18, Illinois	
TYPE SET	AC Operated 7 Tube Audio Amplifier	
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING 69 Watts, .71 Amp. @ 117 Volts AC

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 JX337

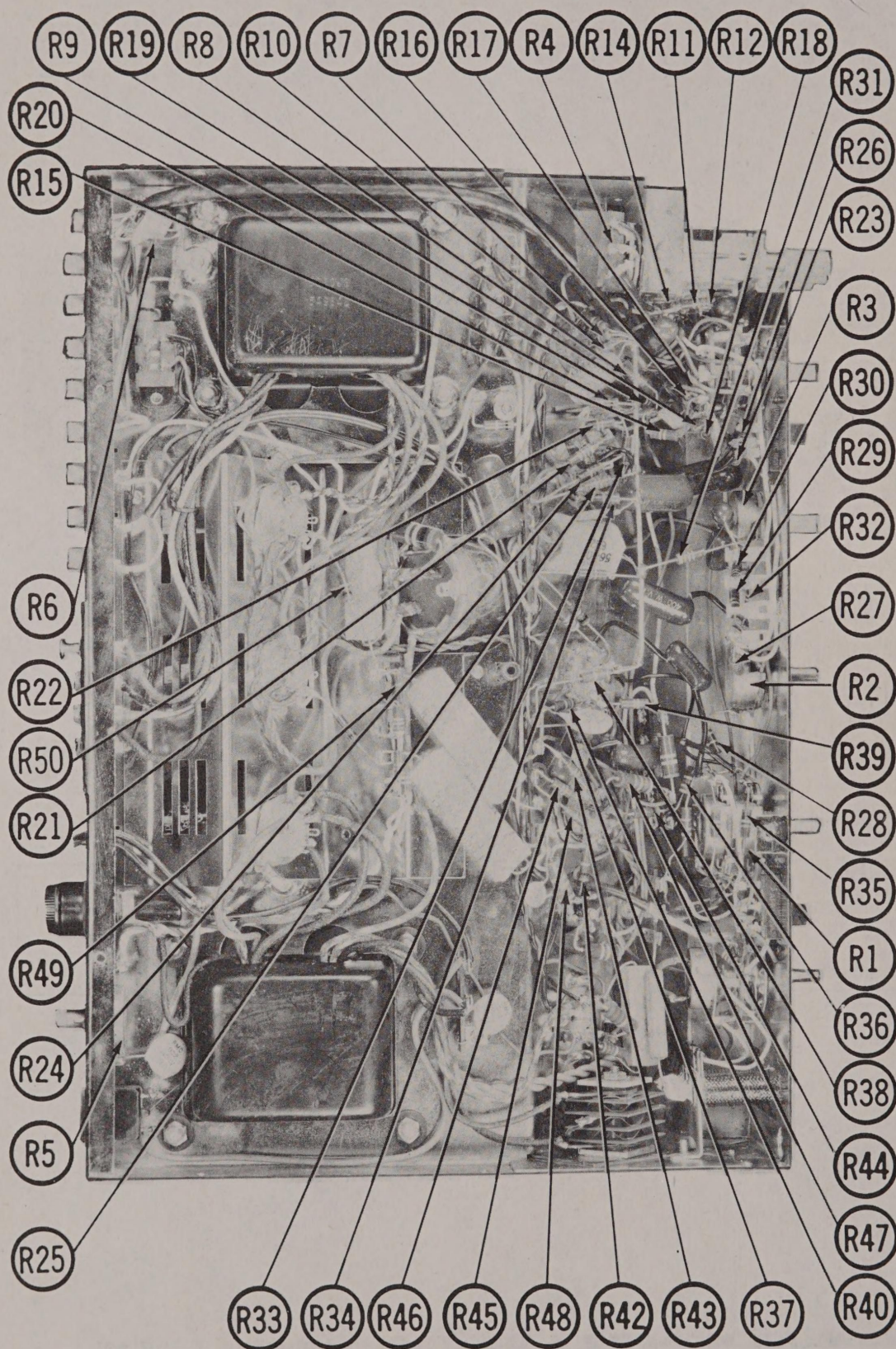
the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1960 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana.

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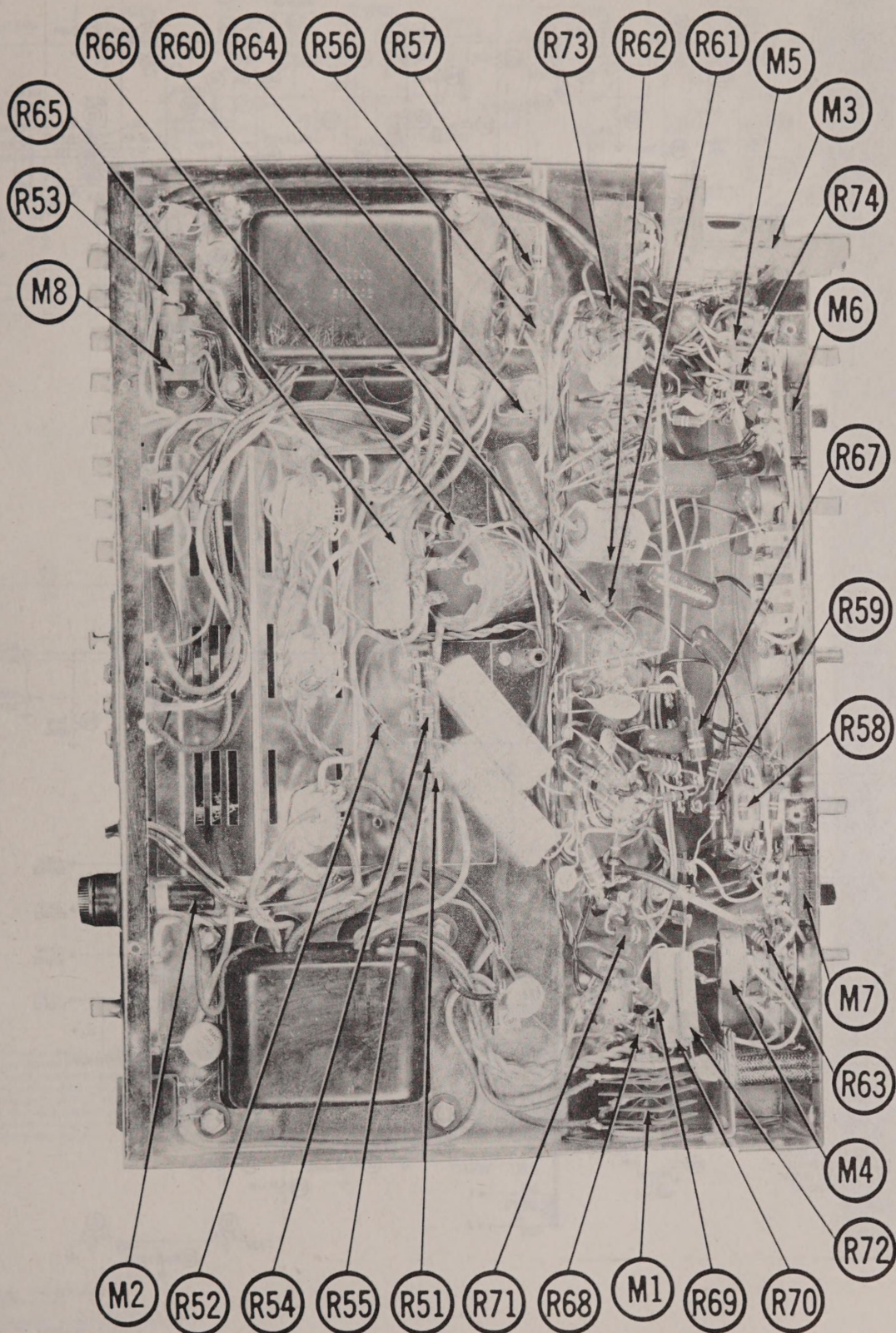
DATE 1-60

SET 470

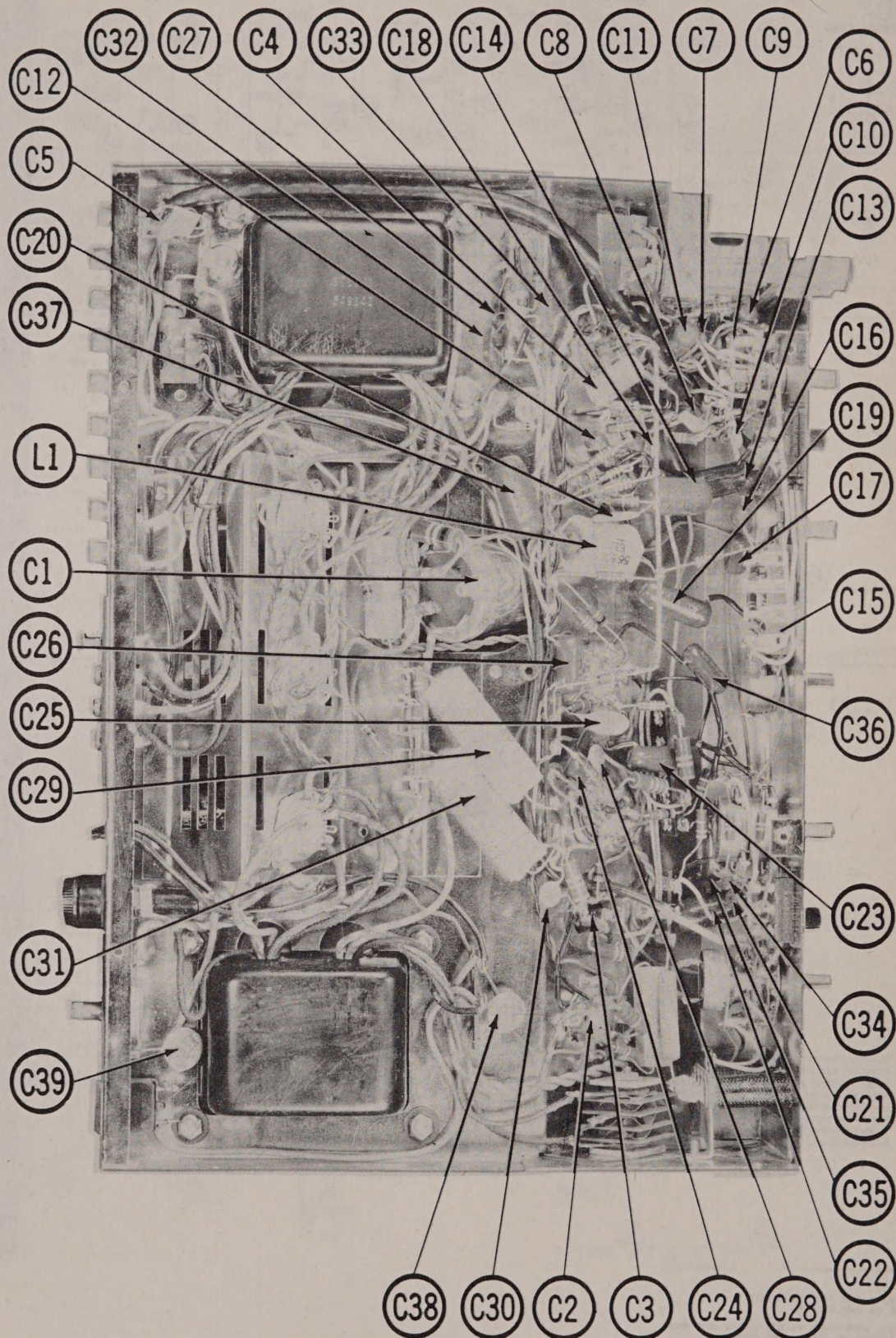
FOLDER 19



CHASSIS BOTTOM VIEW - RESISTOR IDENT. (R1-R50)



CHASSIS BOTTOM VIEW - RESISTOR (R51-R74) & MISC. IDENT.



CHASSIS BOTTOM VIEW - CAPACITOR & INDUCTOR IDENT.

PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	CBS	GENERAL ELECTRIC	RAYTHEON	SYLVANIA	TYPE
V1	Phono-Type Preamp.	12AX7			T199
V2	AF Amp. (or)	ECC83/			T189
V3	Cath. Follower	12AX7			T189
	AF Amp. -Cath. Follower	ECC83/			EZ81
		12AX7			6CA4

* Alternate.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	CAP.	VOLT.	SHERWOOD PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLOY PART No.	
C1A	20	500	120AB4	AFH3-54	D0185	FP288	
C1B	40	500				TC83	
C1C	40	500	120AB6-8				
C2A	150	50					
C2B	250	50					
C2C	450	50					
C3A	15	400	120B8		B0290		
C3B	10	400			BBR4-250		
C3C	5	250					
C4	50	6	CF8506	PWE6050	NL50-6	TT6X50	

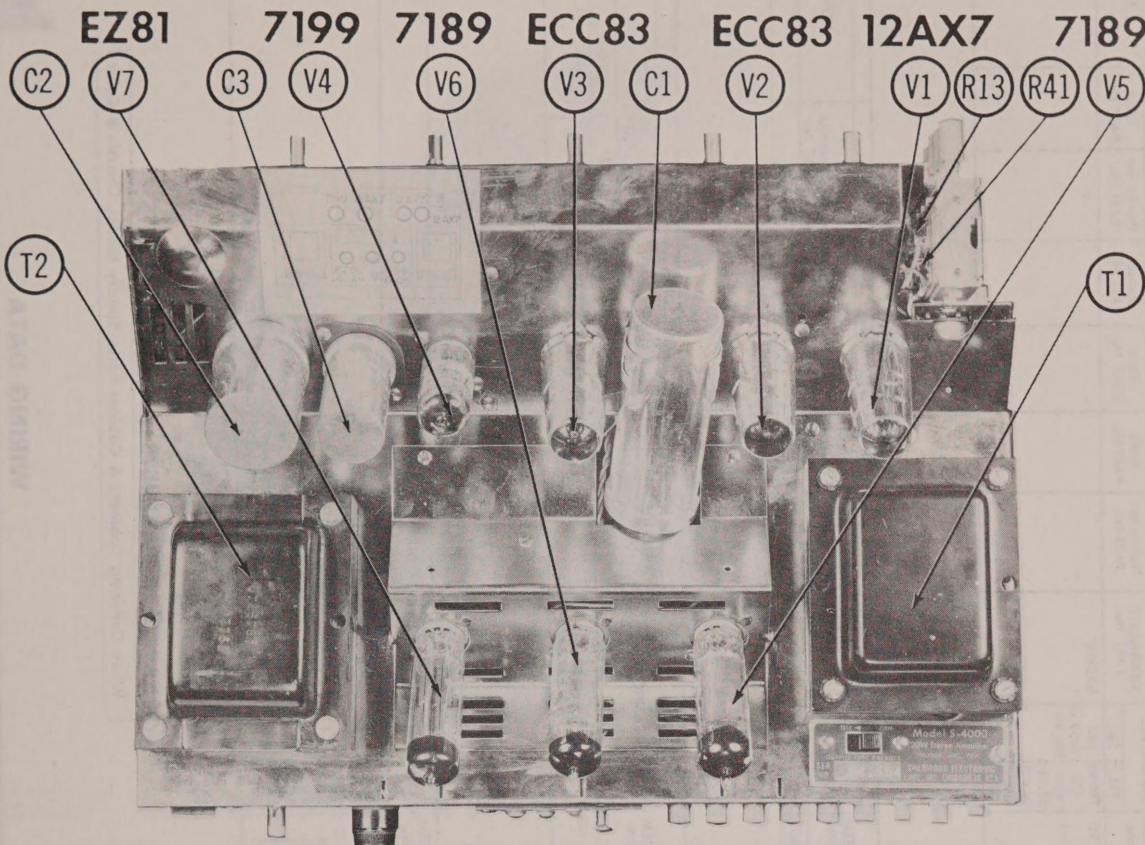
* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

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	REMARKS	REPLACEMENT DATA				SPRAGUE PART No.
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	
C5	100 10%		1469-0001	D6-101	22R571	CM-20B-101K	MS-31
C6	.0068 400V 10%		V84C4D68	MD-471	PM6D568	6DP-1-682	6TM-D68
C7	470 10%		DI-470	MD-471	22R5747	CCS-471	MS-347
C8	270 10%		DI-270	MD-471	LI0727	CCD-271	MS-327
C9	390 10%		DI-390	MD-391	LI0739	CCD-391	MS-339
C10	680 10%		DI-680	MD-681	22R5768	CCS-681	MS-368
C11	.047 400V		P488N-047	DF-503	CUB4S47	ADP-3-473	MS-347
C12	.01 400V		P488N-01	DF-503	CUB4S47	ADP-3-473	4TM-S1
C13	.15 200V		P288N-15	D6-103	CUB2P15	2DP-3-154	2TM-P15
C14	.15 200V		P288N-15	D6-103	CUB2P15	2DP-3-154	2TM-P15
C15	.0033 400V 10%		1469-00018	D6-181	22R5718	CM-20B-181K	MS-318
C16	.0033 400V 10%		V84C4D33	MD-471	PM6D33	6DP-1-332	6TM-D33
C17	.0033 400V 10%		V84C4D33	MD-471	PM6D33	6DP-1-332	6TM-D33
C18	470 10%		DI-470	MD-471	22R5747	CCS-471	MS-347
C19	.0047 400V		P488N-047	DF-503	CUB4S47	ADP-3-473	4TM-S47
C20	5000		BPD-05	DF-503	CUB4S47	ADP-3-473	5HK-S50
C21	100 10%		1469-0001	D6-101	22R571	CM-20B-101K	MS-31
C22	.15 200V		P288N-15	DF-503	CUB2P15	2DP-3-154	2TM-P15
C23	.022 400V		P488N-022	DF-503	CUB4S47	ADP-3-473	4TM-S22
C24	.047 400V		P488N-047	DF-503	CUB4S47	ADP-3-473	4TM-S47
C25	2200 10%		DI-2200	DF-503	PM6D22	CCS-222	6TM-D22
C26	.027 400V 10%		P84CM-027	D6-330	PM6S3	6DP-3-273	6TM-S3
C27	33 10%		1469-000033	TCZ-27	22R5633	CM-20B-330K	MS-433
C28	27 NPO 10%		V84C6S68	TCZ-27	C10Q27C	CCCTO-270	10TCC-Q27
C29	.068 60V 10%		NFO-DI 15	DTZ-15	PM6S68	6DP-4-683	6TM-S68
C30	15 NPO 10%		V84C6S68	DTZ-15	C10Q15C	CCCTO-150	10TCU-Q15
C31	.068 600V 10%		1469-000068	TCZ-68	PM6S68	6DP-4-683	6TM-S68
C32	68 5%		P488N-068	TCZ-68	22R5668	CM-20B-680J	MS-468
C33	.022 400V		P488N-022	D6-101	22R571	CM-20B-101K	4TM-S22
C34	100 10%		1469-0001	D6-101	22R571	CM-20B-101K	MS-31
C35	.15 200V		P288N-15	DD30-202	CUB2P15	2DP-3-154	2TM-P15
C36	.022 400V		P488N-022	DD30-202	CUB4S22	ADP-2-223	4TM-S22
C37	.15 200V		P288N-15	DD30-202	CUB2P15	2DP-3-154	2TM-P15
C38	2000 1400V		HVD-15-2000	DD30-202	HVC16D2	16DP-1-202	BL-D20
C39	2000 1400V		HVD-15-2000	DD30-202	HVC16D2	16DP-1-202	BL-D20
C40	1500		BPD-0015	DD-152	BYA10D15	CCD-152	5HK-D15

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

CONTROLS

ITEM No.	REPLACEMENT DATA				INSTALLATION NOTES
	SHERWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	
R1A	300K	50K tap	50K tap	50K tap	50K tap
B	300K	50K tap	50K tap	50K tap	50K tap
R2A	500K	200K tap	200K tap	200K tap	200K tap
B	500K	200K tap	200K tap	200K tap	200K tap
R3A	1Meg	Not Req.	FS-3	Not Req.	Not Req.
B	1Meg	Not Req.	FS-3	Not Req.	Not Req.
R4	500K	Not Req.	FS-3	Not Req.	Not Req.
B	500K	Not Req.	FS-3	Not Req.	Not Req.
R5A	25K	AB-26	B47-25K-S	B11-120	Phono Level Balance
B	25K	AK-1	Not Req.	TMI	Not Req.

* File shaft end to duplicate original.

RESISTORS

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

ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS
R6	56K		R29	100K	
R7	270K		R30	180K	
R8	270K		R31	470K	
R9	150K		R32	120K	
R10	2700K		R33	150K	
R11	22Meg		R34	2700K	
R12	150K		R35	150K	
R13	10Meg		R36	3300K	
R14	1Meg		R37	1Meg	
R15	220K		R38	6800K	
R16	100K		R39	82K	
R17	56K		R40	2700K	
R18	470K		R41	220K	
R19	100K		R42	1Meg	
R20	1Meg		R43	220K	
R21	470K		R44	1Meg	
R22	22K		R45	1200K	
R23	470K		R46	680K	
R24	680K		R47	47K 1W	
R25	18K		R48	47K 1W	
R26	470K		R49	150K	
R27	33K		R50	1000K	
R28	3300K		R51	150K	

COILS (RF-IF)

ITEM No.	USE	SHERWOOD PART No.	Gramer PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	NOTES
L1	Tone Choke	56-507						140mh

TRANSFORMER (POWER)

ITEM No.	REPLACEMENT DATA				Triad PART No.
	SHERWOOD PART No.	Holldorson PART No.	Merit PART No.	Ram PART No.	
T1	660VCT .71A @ .060A	B9221-1			
	SEC. 3				
	6.3VCT @ 3.3A				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	REPLACEMENT DATA				NOTES
	IMPEDANCE	SHERWOOD PART No.	Holldorson PART No.	Merit PART No.	
T2	7800K 180 CT with 80, 40 Screen taps @ 800K CT	B92032			

RECTIFIERS

ITEM No.	RATING	SHERWOOD PART No.	INTERNATIONAL PART No.	ITT PART No.	SARKIS TAZIAN PART No.	SYLVANIA PART No.	NOTES
M1	.155A				2S33-2CNI-RV		

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			SHERWOOD PART No.	FUSE	HOLDER	BUSS PART No.
M2	3AG	1 1/2A 250V		312001 (3AG 1 1/2A 250V)	342001	AGC 1 HKP

MISCELLANEOUS

ITEM No.	PART NAME	SHERWOOD PART No.	NOTES
M3A	Switch		Presence
B	Switch		Scratch Filter
C	Switch		Rumble Filter
M4	Switch		Function Selector
M5	Switch		Tape-Phono-ABC
M6	Switch		Phase (SPDT Slide Type)
M7	Switch		Loudness (DPDT Slide Type)
M8	Switch		Output Tube Balance (SPDT Slide Type)

CABINETS & CABINET PARTS

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

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
 Power Cord Use BELDEN No. 8524 (Stranded) Available in Ten Colors
 1765-B (6 Ft. Length)
 1725-K (7 1/2 Ft. Length)