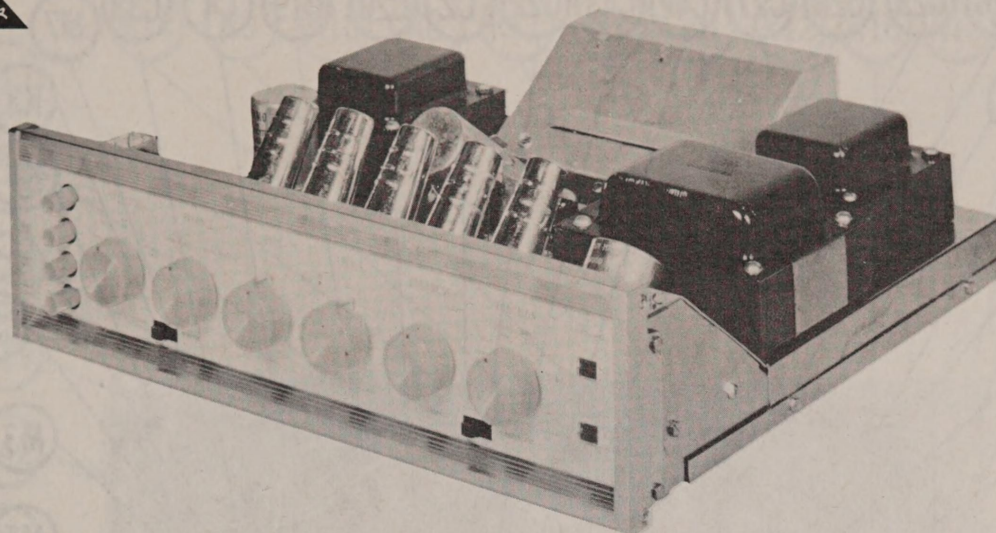
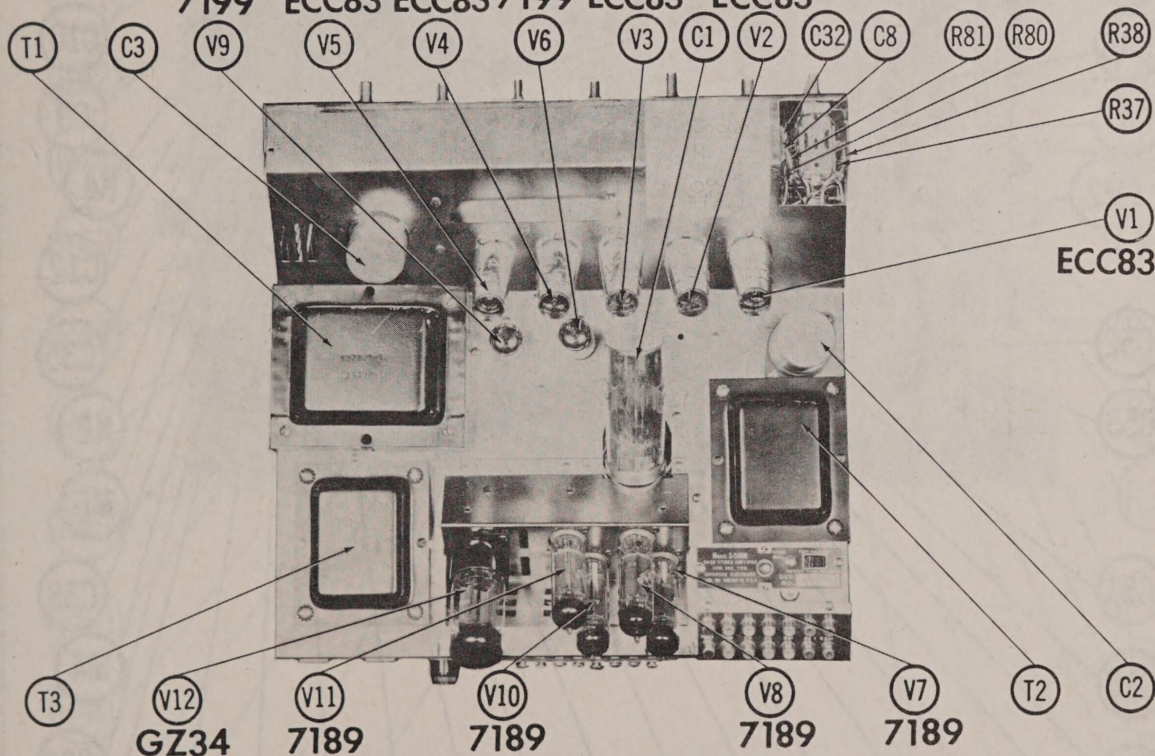


SHERWOOD
MODEL S-5000

TRADE NAME	Sherwood Model S-5000		
MANUFACTURER	Sherwood Electronic Laboratories, Inc., 4300 N. California Ave., Chicago 18, Illinois		
TYPE SET	AC Operated 12 Tube Stereo Amplifier		
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING	105 Watts, 1.05 Amp. @117 Volts AC

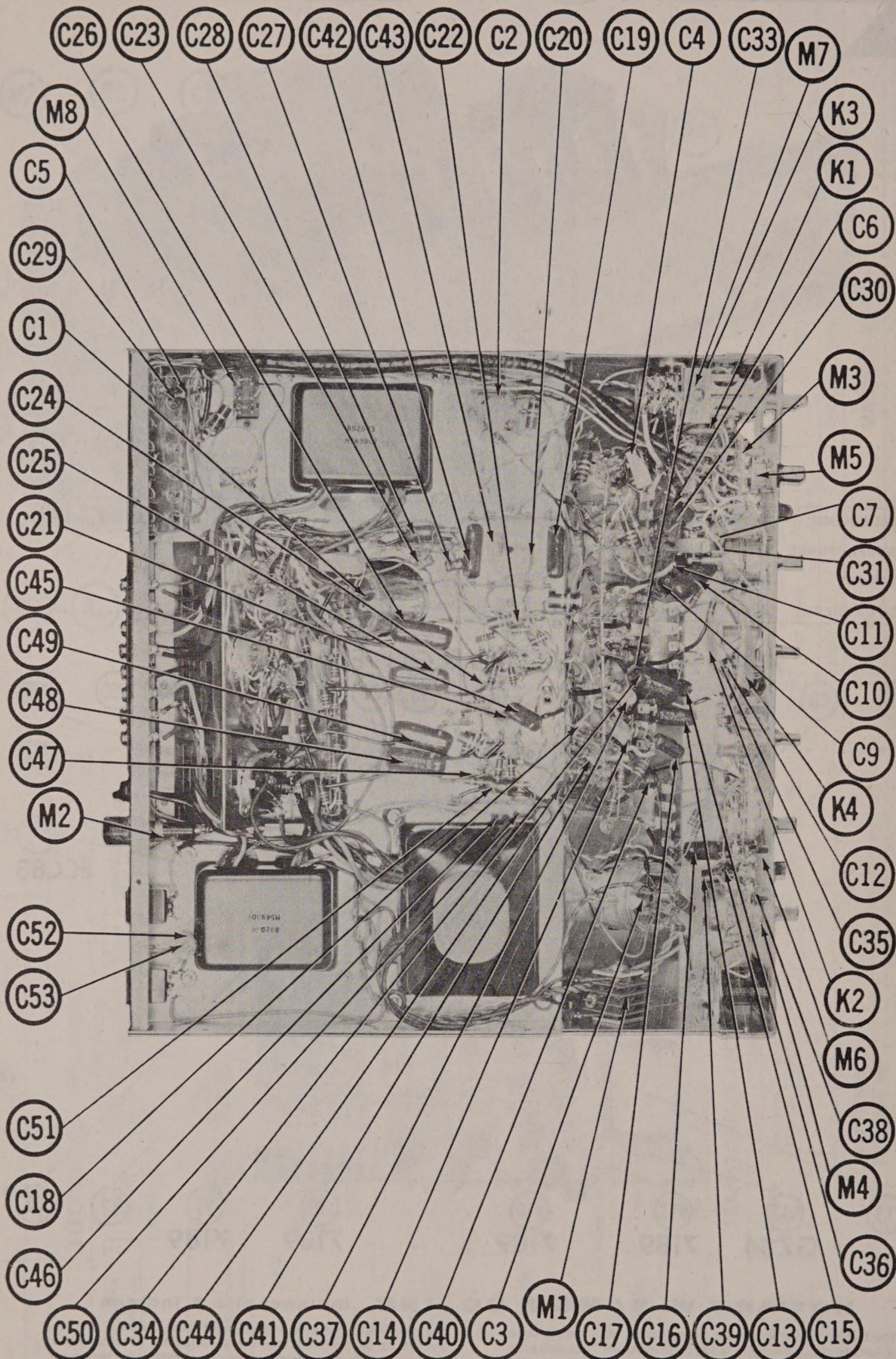
7199 ECC83 ECC83 7199 ECC83 ECC83

SHERWOOD
MODEL S-5000**HOWARD W. SAMS & CO., INC.** Indianapolis 6, Indiana

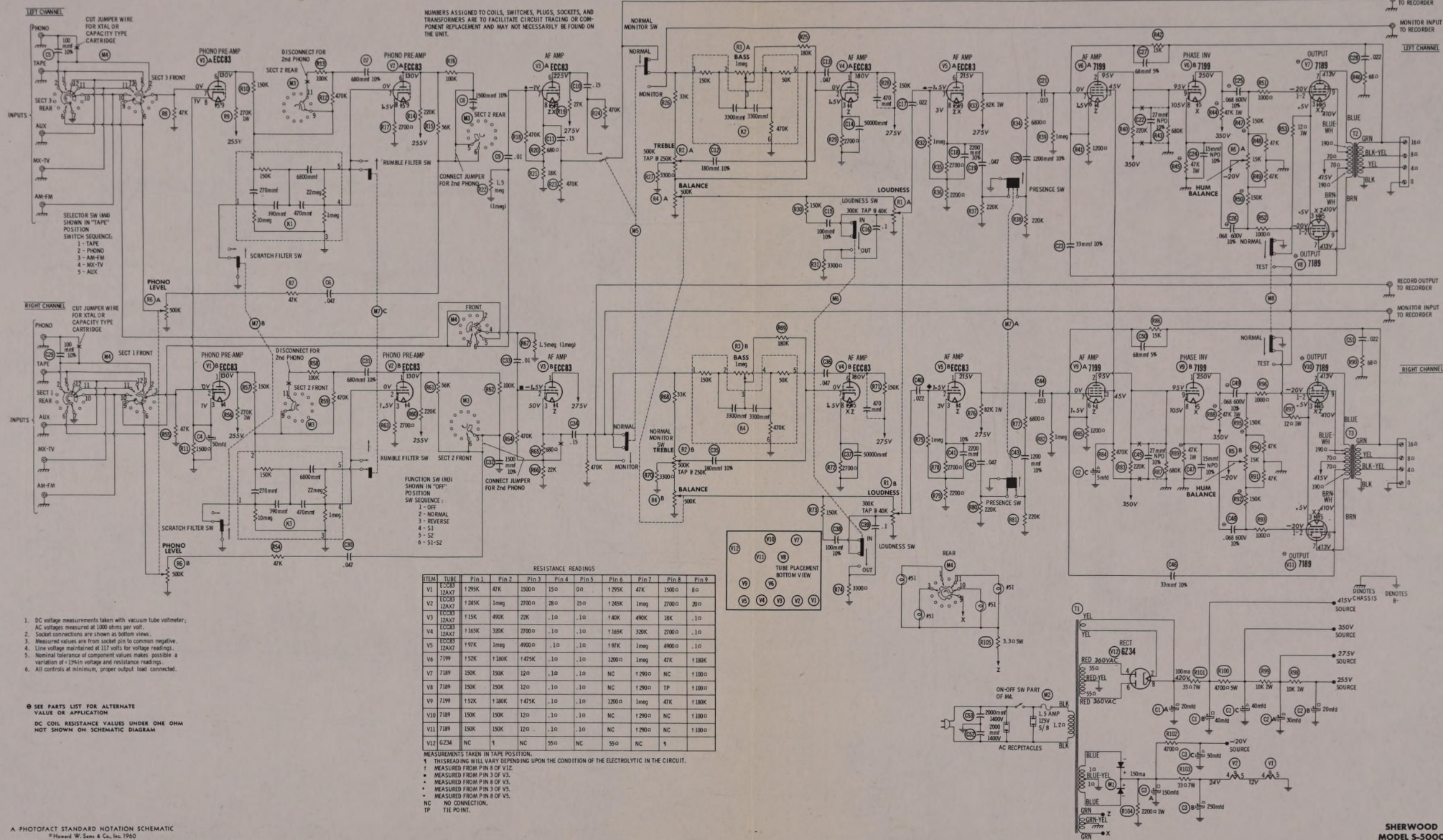
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of JV493

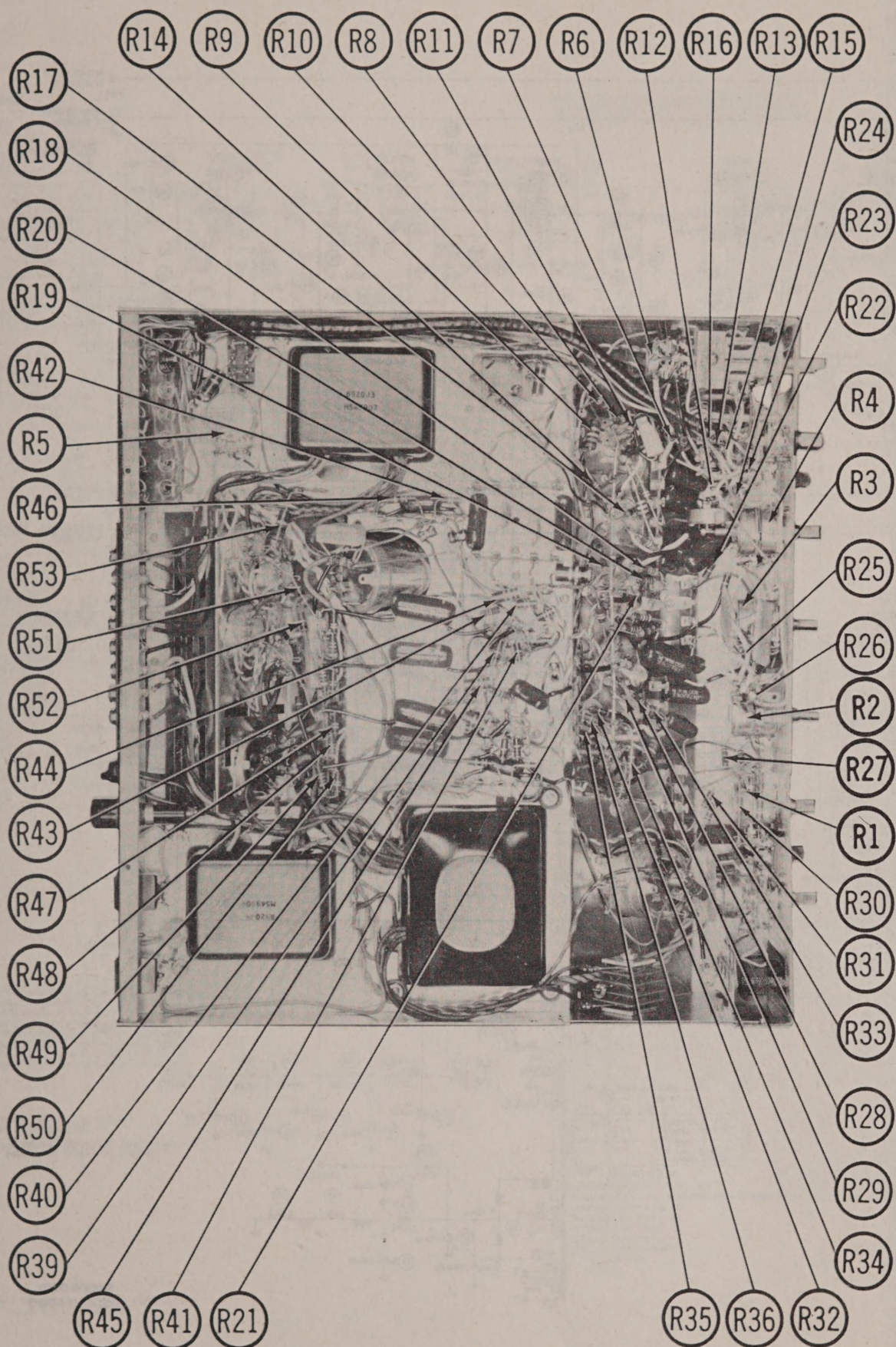
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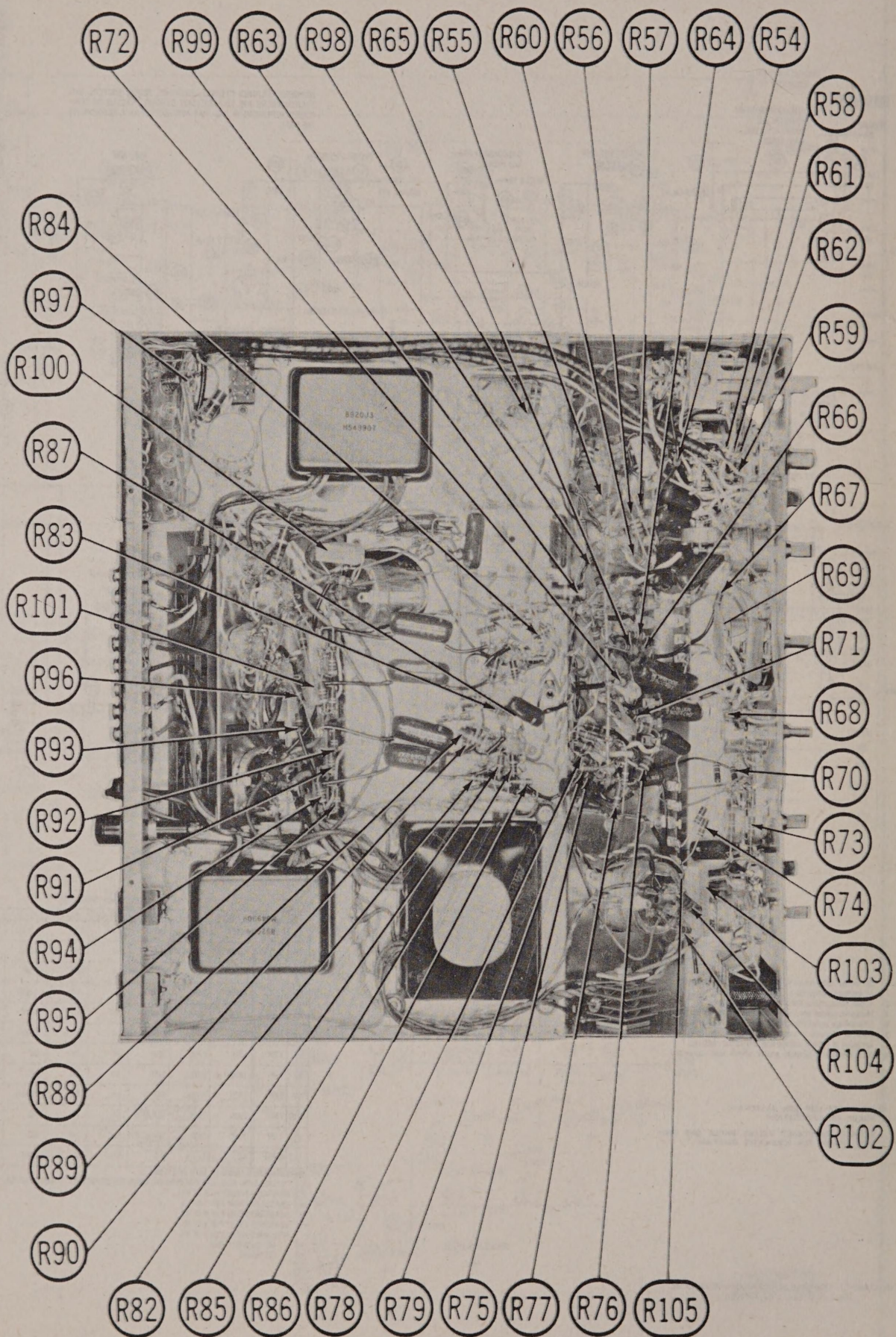


CHASSIS BOTTOM VIEW - CAPACITOR & MISC. IDENT.





CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION



CHASSIS BOTTOM VIEW-RESISTOR IDENTIFICATION

PARTS LIST AND DESCRIPTIONS

TUBES

CBS			GENERAL ELECTRIC			RAYTHEON			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	Left Channel Phono Preamp	ECC83/12AX7	V6	Left Channel AF Amp. - Phase Inv.	7199	V7	Left Channel Output	7189 (EL84, 6BQ5) *	V10	Right Channel Output	7189 (EL84, 6BQ5) *
V2	Right Channel Phono Preamp	ECC83/12AX7	V8	Left Channel Output	7189 (EL84, 6BQ5) *	V9	Right Channel AF Amp. - Phase Inv.	7199	V11	Right Channel Output	7189 (EL84, 6BQ5) *
V3	Left Channel AF Amp.	ECC83/12AX7	V10	Right Channel Output	7189 (EL84, 6BQ5) *	V12	Rectifier	GZ34 (5AR4) *			
V4	Right Channel AF Amp.	ECC83/12AX7									
V5	Left Channel AF Amp.	ECC83/12AX7									

* Alternate

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						NOTES
	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	FP288	TMD-62	TVLS-3966 *	
B	40	500				TC83	TD-20-500		
C	40	500							
C2A	30	400		AFH3-37-95		FP396.12	TMT-150	TVLS-3686.3*	
B	20	400							
C	5	250							
C3A	150	50						TVLS-3340 *	
B	250	50							
C	50	50							
C4	50	6		PWE6050	EC50-6	TT6X50	ML50-6	TE-1100	

* 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					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	100 10%		1469-0001	TCZ-100	22R5T1	CM-20B-101K	MCB235	MS-310
C6	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C7	680 10%		DI-680	DD-681	IR5T68	CCD-681	GP368	10TS-T68
C8	1500 10%		DI-1500	DD-152	PM6D15	CCD-152	GP215	10TS-D15
C9	.01 400V		P488N-01	D6-103	CUB4S1	4DP-1-103	GEM-411	4TM-S1
C10	.15 200V		P288N-15		CUB2P15	2DP-3-154	GEM-2015	2TM-P15
C11	.15 200V		P288N-15		CUB2P15	2DP-3-154	GEM-2015	2TM-P15
C12	180 10%		1469-00018	TCZ-180	22R5T18	CM-20B-181K	CNO-318	MS-318
C13	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C14	50000		BPD-05	DD-503	PM6S5	6DP-3-503	GP150	5HK-S50
C15	100 10%		1469-0001	TCZ-100	22R5T1	CM-20B-101K	MCB235	MS-310
C16	.1 200V		P288N-1	DF-104	CUB2P1	2DP-3-104	GEM-201	2TM-P1
C17	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	4TM-S22
C18	2200 10%		DI-2200	DD-203	PM6D22	CCD-222	GP222	10TS-D22
C19	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C20	1200 10%		DI-1200	DD-122	IR5D12	CCD-122	GP212	10TS-D12
C21	.033 400V		P488N-033	DD-303	CUB4S33	4DP-2-333	GEM-4133	4TM-S33
C22	27 NPO 10%		NPO-DI 25	TCZ-27	C10Q27C	CCTO-270	CNO-427	10TCC-Q27
C23	33 10%		1469-000033	DD-330	22R5Q33	CM-20B-330K	CNO-433	MS-433
C24	15 NPO 10%		NPO-DI 15	DTZ-15	C10Q15C	CCTO-150	CNO-415	10TCC-Q15
C25	.068 600V 10%		V84C6S68-10%		PM6S68	6DP-4-683		6TM-S68
C26	.068 600V 10%		V84C6S68-10%		PM6S68	6DP-4-683		6TM-S68
C27	68 5%		1469-000068	TCZ-68	22R5Q68	CM-20B-680J	CNO-468	MS-468
C28	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	4TM-S22

Note 1
Note 1

FIXED CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C29	100 10%		1469-0001	TCZ-100	22R5T1	CM-20B-101K	MCB235	MS-310
C30	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C31	680 10%		DI-680	DD-681	IR5T68	CCD-681	GP368	10TS-T68
C32	1500 10%		DI-1500	DD-152	PM6D15	CCD-152	GP215	10TS-D15
C33	.01 400V		P488N-01	D6-103	CUB4S1	4DP-1-103	GEM-411	4TM-S1
C34	.15 200V		P288N-15		CUB2P15	2DP-3-154	GEM-2015	2TM-P15
C35	180 10%		1469-00018	TCZ-180	22R5T18	CM-20B-181K	CNO-318	MS-318
C36	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C37	50000		BPD-05	DD-503	PM6S5	6DP-3-503	GP150	5HK-S50
C38	100 10%		1469-0001	TCZ-100	22R5T1	CM-20B-101K	MCB235	MS-310
C39	.1 200V		P288N-1	DF-104	CUB2P1	2DP-3-104	GEM-201	2TM-P1
C40	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	4TM-S22
C41	2200 10%		DI-2200	DD-203	PM6D22	CCD-222	GP222	10TS-D22
C42	.047 400V		P488N-047	DD-503	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C43	1200 10%		DI-1200	DD-122	IR5D12	CCD-122	GP212	10TS-D12
C44	.033 400V		P488N-033	DD-303	CUB4S22	4DP-2-333	GEM-4133	4TM-S33
C45	27 NPO 10%		NPO-DI 25	TCZ-27	C10Q27C	CCTO-270	CNO-427	10TCC-Q27
C46	33 10%		1469-000033	DD-330	22R5Q33	CM-20B-330K	CNO-433	MS-433
C47	15 NPO 10%		NPO-DI 15	DTZ-15	C10Q15C	CCTO-150	CNO-415	10TCC-Q15
C48	.068 600V 10%		V84C6S68-10%		PM6S68	6DP-4-683		6TM-S68
C49	.068 600V 10%		V84C6S68-10%		PM6S68	6DP-4-683		6TM-S68
C50	68 5%		1469-000068	TCZ-68	22R5Q68	CM-20B-680J	CNO-468	MS-468
C51	.022 400V		P488N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	4TM-S22
C52	2000 1400V		DAC-3	DD30-202	HVC20D2	16DP-1-202	UAC-220	BL-D20
C53	2000 1400V		DAC-3	DD30-203	HVC20D2	16DP-1-202	UAC-220	BL-D20

Note 1. Matched to 3%.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESIST-ANCE	WATTS	SHERWOOD PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
RIA	300K	1/2	A670J7					Loudness, Left Channel
B	40K Tap	1/2						Loudness, Right Channel
R2A	300K	1/2	A670J2					Treble, Left Channel
B	250K Tap	1/2						Treble, Right Channel
R3A	500K	1/2	A670J3					Bass, Left Channel
B	1meg	1/2						Bass, Right Channel
R4A	500K	1/2	A671J1					Balance, Right Channel
B	500K	1/2						Balance, Left Channel
R5A	15K	1/2	A670J6					Hum, Balance, Left Channel
B	15K	1/2						Hum, Balance, Right Channel
R6A	500K	1/2	A670J4					Ph. Level, Left Channel
B	500K	1/2						Ph. Level, Right Channel

RESISTORS

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

ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS
R7	47K		R14	220K		R21	18K	(1meg) *
R8	47K		R15	56K		R22	1.5meg	
R9	270K 1W		R16	100K		R23	470K	
R10	150K		R17	2700Ω		R24	470K	
R11	1500Ω		R18	470K		R25	180K	
R12	470K		R19	27K		R26	33K	
R13	100K		R20	680Ω		R27	3300Ω	

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS (cont)

ITEM No.	RATING	REMARKS
R28	150K	
R29	2700Ω	
R30	150K	
R31	3300Ω	
R32	1meg	
R33	82K 1W	
R34	6800Ω	
R35	2700Ω	
R36	2200Ω	
R37	220K	
R38	220K	
R39	1meg	
R40	220K	
R41	1200Ω	
R42	15K	
R43	680K	
R44	47K 1W	Note 1
R45	47K 1W	Note 1
R46	68Ω	
R47	150K	Note 1
R48	47K	
R49	47K	
R50	150K	Note 1
R51	1000Ω	
R52	1000Ω	
R53	12Ω 1W	

ITEM No.	RATING	REMARKS
R54	47K	
R55	47K	
R56	270K 1W	
R57	150K	
R58	100K	
R59	470K	
R60	220K	
R61	56K	
R62	100K	
R63	2700Ω	
R64	470K	
R65	680Ω	
R66	22K	
R67	1.5meg	(1meg) *
R68	33K	
R69	180K	
R70	3300Ω	
R71	150K	
R72	2700Ω	
R73	150K	
R74	3300Ω	
R75	1meg	
R76	82K 1W	
R77	6800Ω	
R78	2700Ω	
R79	2200Ω	

ITEM No.	RATING	REMARKS
R80	220K	
R81	220K	
R82	1meg	
R83	220K	
R84	470K	
R85	1200Ω	
R86	15K	
R87	680K	
R88	47K 1W	Note 1
R89	47K 1W	Note 1
R90	68Ω	
R91	47K	
R92	150K	Note 1
R93	1000Ω	
R94	47K	
R95	150K	Note 1
R96	1000Ω	
R97	12Ω 1W	
R98	10K 1W	
R99	10K 2W	
R100	4700Ω 5W	
R101	33Ω 7W	
R102	4700Ω	
R103	33Ω 7W	
R104	2200Ω 1W	
R105	3.3Ω 5W	

Note 1. Identical values are matched to 3%.
* Alternate Value.

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	SHERWOOD PART No.	REPLACEMENT DATA
K1	Rumble Filter	270mmf, 390mmf, 470mmf, 6800mmf, 150K, 1meg, 10meg, 22meg	58-3276	
K2	Tone Compensation	3300mmf, 3300mmf, 50K, 150K, 470K	58-3275	
K3	Rumble Filter	270mmf, 390mmf, 470mmf, 6800mmf, 150K, 1meg, 10meg, 22meg	58-3276	
K4	Tone Compensation	3300mmf, 3300mmf, 50K, 150K, 470K	58-3275	

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.	
	SEC. 3	SEC. 4	SEC. 5								
T1	117V @ 1.05A	720 VCT @ .100A	5V @ 2A	B922J3-3							
	60 VCT @ .150A	6.3 VCT @ 5.2A									

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	7800Ω CT	16Ω Tap @ 8Ω, 4Ω	B920J4							
T3	7800Ω CT	16Ω Tap @ 8Ω, 4Ω	B920J4							

RECTIFIERS

ITEM No.	RATING	REPLACEMENT DATA					NOTES
	CURRENT (Measured)	SHERWOOD PART No.	INTERNATIONAL PART No.	ITT PART No.	SARKES TARZIAN PART No.	SYLVANIA PART No.	
M1	.150A	①				①2S33-2CNI-RV	① Selenium Type

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			SHERWOOD PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M2	3AG	1.5A 125V S/B			31301.5 (3AG 1½A 125V)	342001	MDX 1½	HKP

MISCELLANEOUS

ITEM No.	PART NAME	SHERWOOD PART No.	NOTES
M3	Switch		Function
M4	Switch		Selector
M5	Switch		Normal-Monitor (DPDT, Slide Type)
M6	Switch		Loudness In-Loudness Out (DPDT, Slide Type)
MTA	Switch		Presence
B	Switch		Scratch Filter
C	Switch		Rumble
M8	Switch		Test-Normal (DPDT, 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)