

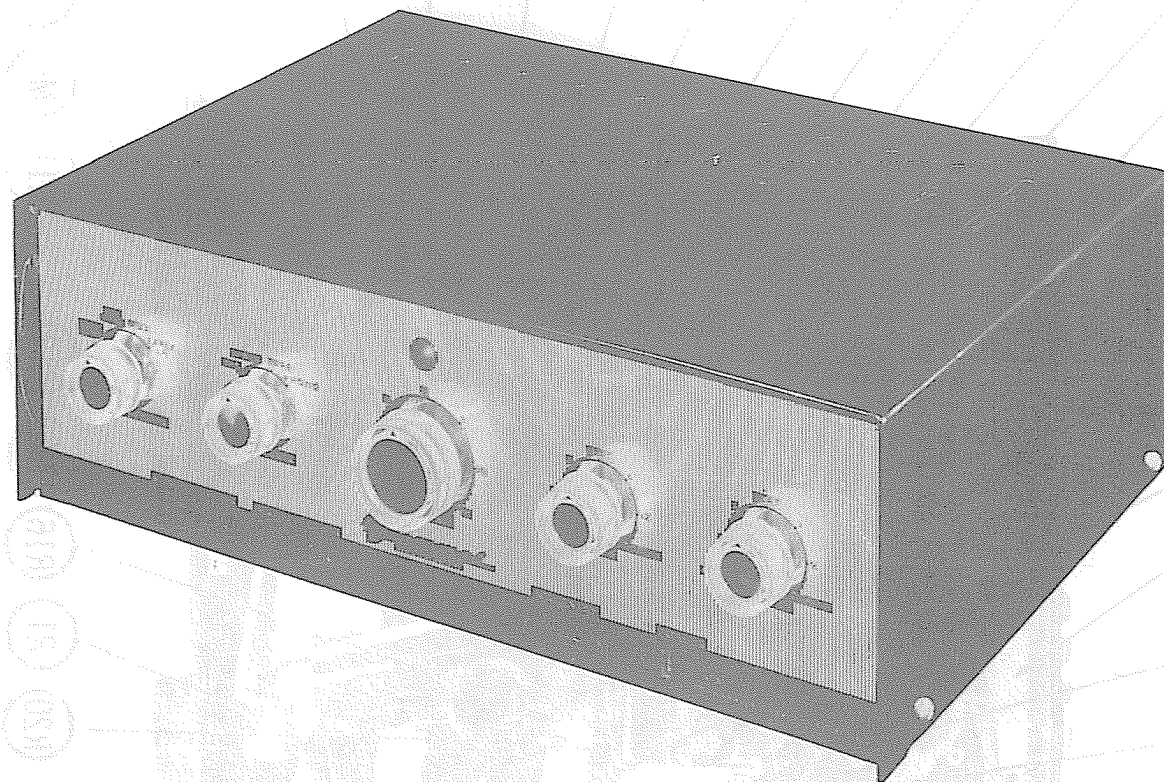
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GROMMES
MODEL 10PG

GROMMES
MODEL 10PG



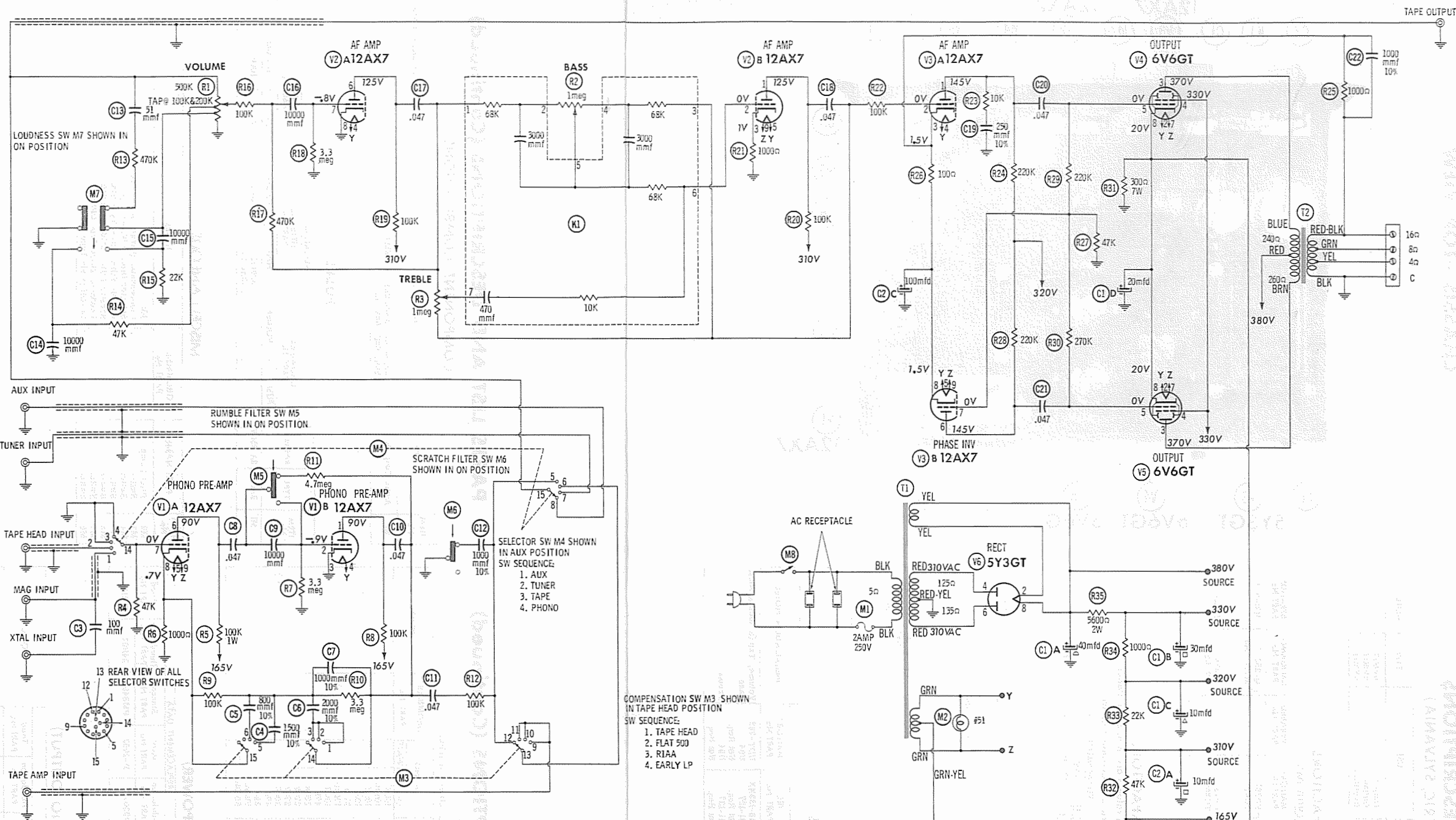
GROMMES
MODEL 10PG

TRADE NAME	Grommes Model 10PG		
MANUFACTURER	Precision Electronics, Inc., 9101 King Ave., Franklin Park, Illinois		
TYPE SET	AC Operated 6 Channel 10 Watt Audio Amplifier		
TUBES (Six)	Types 12AX7 Phono Preamplifier, 12AX7 AF Amplifier, 12AX7 AF Amp. - Phase Inverter, (2) 6V6GT Output, 5Y3GT Rectifier		
POWER SUPPLY	110-120 Volts AC-50/60 Cycles	RATING	.60 Amp. @ 117 Volts AC (60 Watts)

HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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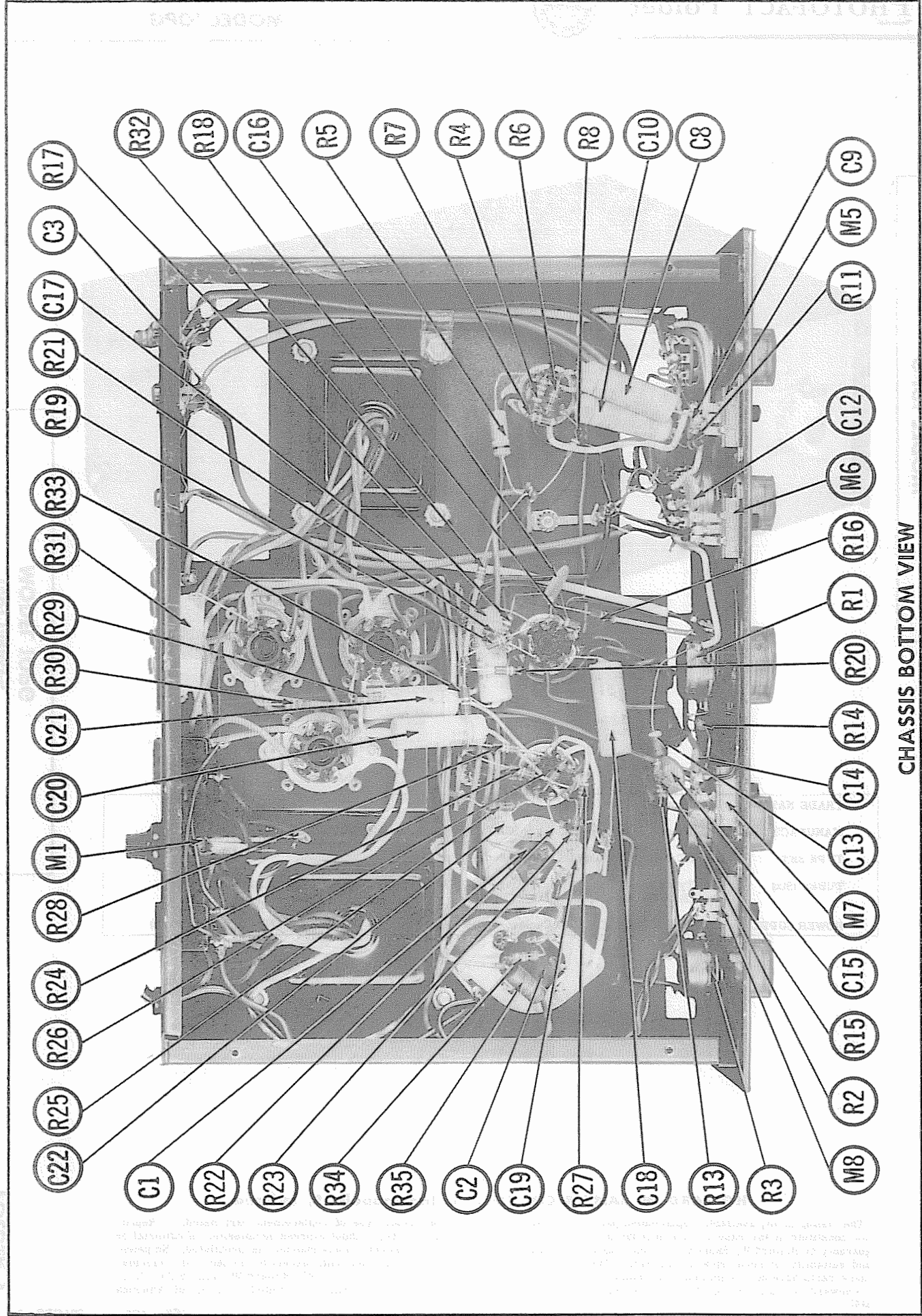


RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	† 175K	3.3Meg	0Ω	300Ω	300Ω	† 175K	47K	1000Ω	300Ω
V2	12AX7	† 128K	1.1Meg	1000Ω	300Ω	300Ω	† 128K	3.3Meg	0Ω	300Ω
V3	12AX7	† 225K	1.2Meg	1000Ω	300Ω	300Ω	† 225K	47K	1100Ω	300Ω
V4	6V6GT	NC	300Ω	† 240Ω	† 5600Ω	265K	TP	300Ω	300Ω	300Ω
V5	6V6GT	NC	300Ω	† 260Ω	† 5600Ω	315K	NC	300Ω	300Ω	300Ω
V6	5Y3GT	NC	20K(Min)	NC	125Ω	NC	135Ω	NC	20K(Min)	NC

ALL MEASUREMENTS TAKEN IN "TAPE HEAD" POSITION
 † MEASURED FROM PIN 8 OF V6
 NC NO CONNECTION
 TP TIE POINT

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.



CHASSIS BOTTOM VIEW

PARTS LIST AND DESCRIPTIONS TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	Phono Preamplifier	12AX7		V4	Output	6V6GT	
V2	AF Amplifier	12AX7		V5	Rectifier	6V6GT	
V3	AF Amp. - Phase Inv.	12AX7		V6		5Y3GT	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		GROMMETS PART No.	REPLACEMENT DATA				SPRAGUE PART No.
	CAP.	VOLT.		AEROVOX PART No.	CORNELL DUBILIER PART No.	CENTRALAB PART No.	CORNBELL DUBILIER PART No.	
C1A	40	400		A FH4-117-48				
C1B	30	350						
C1C	10	300						
C1D	20	25						
C2A	10	250						
C2B	10	250						
C2C	10	15						

* Non Catalog Item

FIXED CAPACITORS

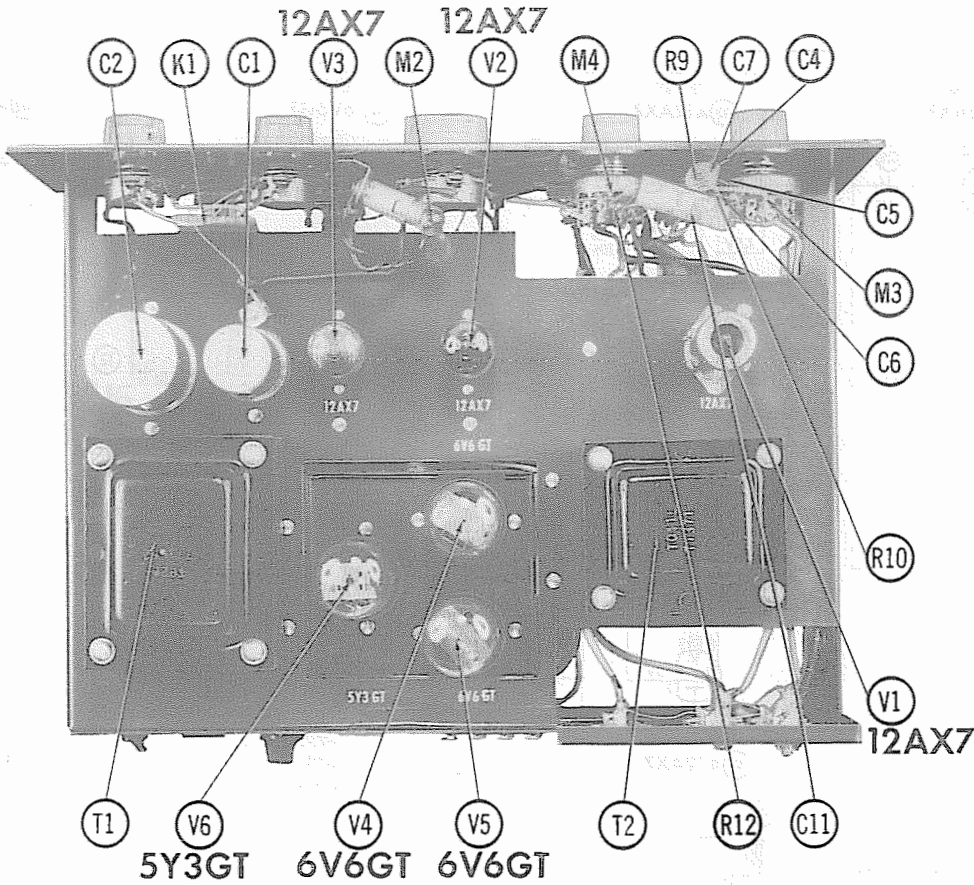
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		GROMMETS PART No.	REPLACEMENT DATA				NOTES
	RESIST-ANCE	WATTS		AEROVOX PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	
C3	100			SI 100	D6-401	L7671	GP-100	10% 5GA-T1
C4	1500							
C5	800							
C6	2000							
C7	1000							
C8	0.047	400		P408N-047	DF-503	CUB4S47	ED-1000	4TM-S47
C9	0.047	400		BPD-01	DD-103	CUB4S47	ED-01	5HK-SI
C10	0.047	400		P408N-047	DF-503	CUB4S47	ED-01	4TM-S47
C11	0.047	400		P408N-047	DF-503	CUB4S47	ED-01	4TM-S47
C12	0.047	400		P408N-047	DF-503	CUB4S47	ED-01	4TM-S47
C13	51							
C14	10000			BPD-01	DD-103	CUB4S47	ED-01	5HK-SI
C15	10000			BPD-01	DD-103	CUB4S47	ED-01	5HK-SI
C16	10000			BPD-01	DD-103	CUB4S47	ED-01	5HK-SI
C17	0.047	400		P408N-047	DF-503	CUB4S47	ED-01	4TM-S47
C18	0.047	400		P408N-047	DF-503	CUB4S47	ED-01	4TM-S47
C19	250			P408N-047	DF-503	CUB4S47	ED-250	4TM-S47
C20	0.047	400		P408N-047	DF-503	CUB4S47	ED-1000	4TM-S47
C21	0.047	400		P408N-047	DF-503	CUB4S47	ED-1000	4TM-S47
C22	1000							10%

CONTROLS

ITEM No.	RATING		GROMMETS PART No.	REPLACEMENT DATA			INSTALLATION NOTES
	RESIST-ANCE	WATTS		CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	
R1	500K			BT-180	A47-1Meg-S	Q18-133XX	Volume, Tap @ 100K & 200K
R2A	1Meg			B-69	RS-2	Q11-137	Bass
R2B	1Meg			B-60	A47-1Meg-S	Q11-137	Treble
R2C	1Meg			Not Req.	RS-2	Not Req.	

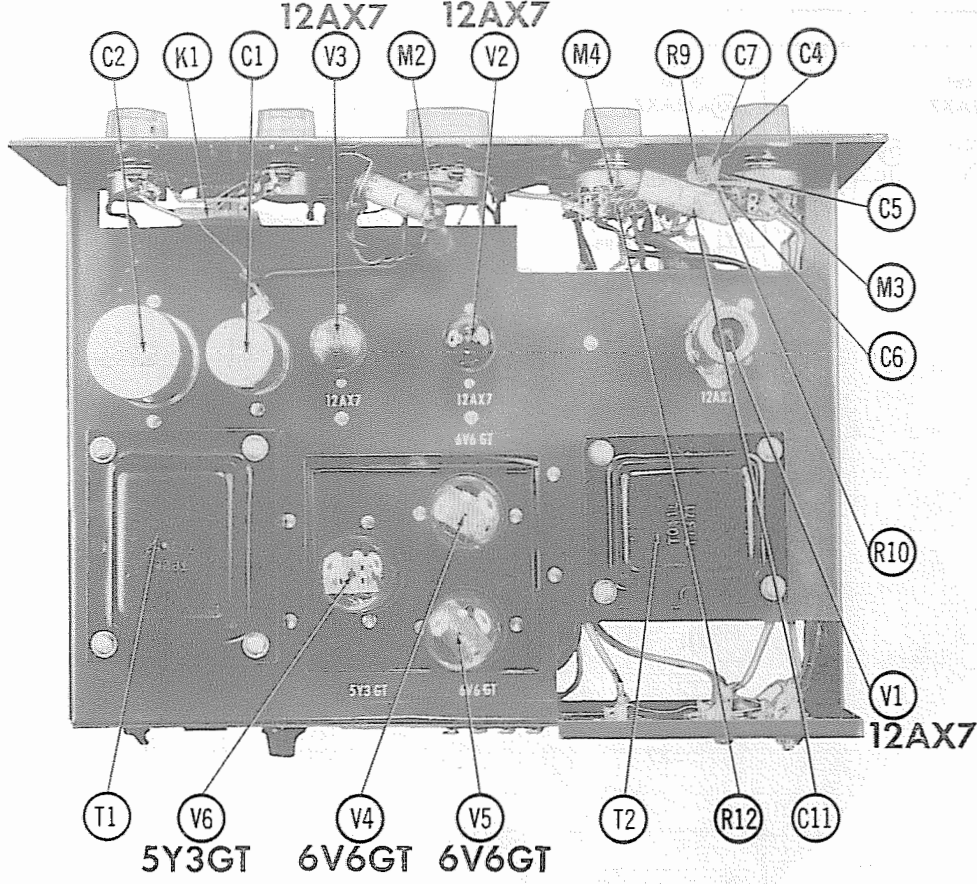
CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS
TUBES (GENERAL ELECTRIC, PENNSYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	Phono Preamplifier	12AX7	
V2	AF Amplifier	12AX7	
V3	AF Amp. - Phase Inv.	12AX7	

CHASSIS—TOP VIEW



ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA
CAP.	VOLT.	CORNELL DUBILIER PART No. AEROVOX PART No. GROMMES PART No. SANGAMO PART No. PYRAMID PART No. SPRAGUE PART No.
C1A	40	AF114-117-48
C1B	350	
C1C	350	
C1D	200	
C1E	250	
C1F	250	
C1G	250	
C1H	15	

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
CAP.	VOLT.	CORNELL DUBILIER PART No. CENTRALAB PART No. AEROVOX PART No. GROMMES PART No. ERIE PART No. MALLORY PART No. SPRAGUE PART No. NOTES
C3	100	D8-101
C4	1500	
C5	800	
C6	2000	
C7	1000	
C8	400	
C9	10000	
C10	400	
C11	400	
C12	1000	
C13	50	
C14	1000	
C15	10000	
C16	10000	
C17	400	
C18	400	
C19	250	
C20	400	
C21	400	
C22	1000	

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA
RESISTANCE	WATTS	CENTRALAB PART No. CLAROSTAT PART No. IRC PART No. MALLORY PART No. INSTALLATION NOTES
R1	500K	B7-100
R2A	1Meg	B-00
R3A	B Shift	Not Req.
R4	B Shift	Not Req.

PARTS LIST AND DESCRIPTIONS (Continued)

ITEM No.	RATING	GROMMES PART No.	NOTES
OHMS	WATT		
R5	47K		
R6	100K		
R7	100K		
R8	3.3Meg		
R9	100K		
R10	100K		
R11	3.3Meg		
R12	4.7Meg		
R13	100K		
R14	47K		
R15	22K		
R16	100K		
R17	470K		
R18	3.3Meg		
R19	100K		

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

PARTS LIST AND DESCRIPTIONS (Continued)

ITEM No.	USE	DESCRIPTION	GROMMES PART No.	REPLACEMENT DATA
K1	Audio Coup. Net.	3000MMF, 3000MMF, 470MMF, 60K, 60K, 60K, 10K	S101B	

FUSES

ITEM No.	TYPE	RATING	GROMMES PART No.	REPLACEMENT DATA
			FUSE	LITTELFUSE PART No.
M1	3AG	2A 250V	342001	342001
			342002	342002
			342003	342003

TRANSFORMER (POWER)

ITEM No.	REPLACEMENT DATA
	GROMMES PART No. Hallardson PART No. Merit PART No. Sencor PART No. Triad PART No.
T1	TP-2L

MISCELLANEOUS

ITEM No.	PART NAME	GROMMES PART No.	NOTES
M2	Pilot Lamp		
M3	Switch		
M4	Switch		
M5	Switch		
M6	Switch		
M7	Switch		
M8	Switch		

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	REPLACEMENT DATA
	GROMMES PART No. Hallardson PART No. Merit PART No. Sencor PART No. Triad PART No.
T2	TP-2L