DAVID BOGEN
MODEL J-330

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TRADE NAME	David Bogen Model J-330
MANUFACTURER	David Bogen Co., Inc., 29 Ninth Ave., New York 14, N. Y.
TYPE SET	AC Operated 4 Channel 30 Watt Audio Amplifier
TUBES (Eight)	Types (3) 6SF5 Mic. Preamp., 6SF5 AF Amp., 6SL7GT AF Amp.-Phase Inverter, (2) 6L6G Output, 5U4G Rectifier
POWER SUPPLY	110-120 Volts AC-60 Cycles
RATING	1.17 Amp. @ 117 Volts AC

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

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PARTS LIST AND DESCRIPTIONS

DAVID BOGEN
Model J-330

TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

ITEM No.	USE	REPLACEMENT DATA		RETMA BASE TYPE	NOTES
		David Bogen PART No.	STANDARD REPLACEMENT		
V1	Mic. 1 Preamp.	6SF5	6SF5	6AB	
V2	Mic. 2 Preamp.	6SF5	6SF5	6AB	
V3	Mic. 3 Preamp.	6SF5	6SF5	6AB	
V4	AF Amp.	6SF5	6SF5	6AB	
V5	AF Amp. - Phase Inverter	6SL7GT	6SL7GT	8BD	
V6	Output	6L6G	6L6G	7S	
V7	Output	6L6G	6L6G	7S	
V8	Rect.	5U4G	5U4G	5T	

CAPACITORS

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

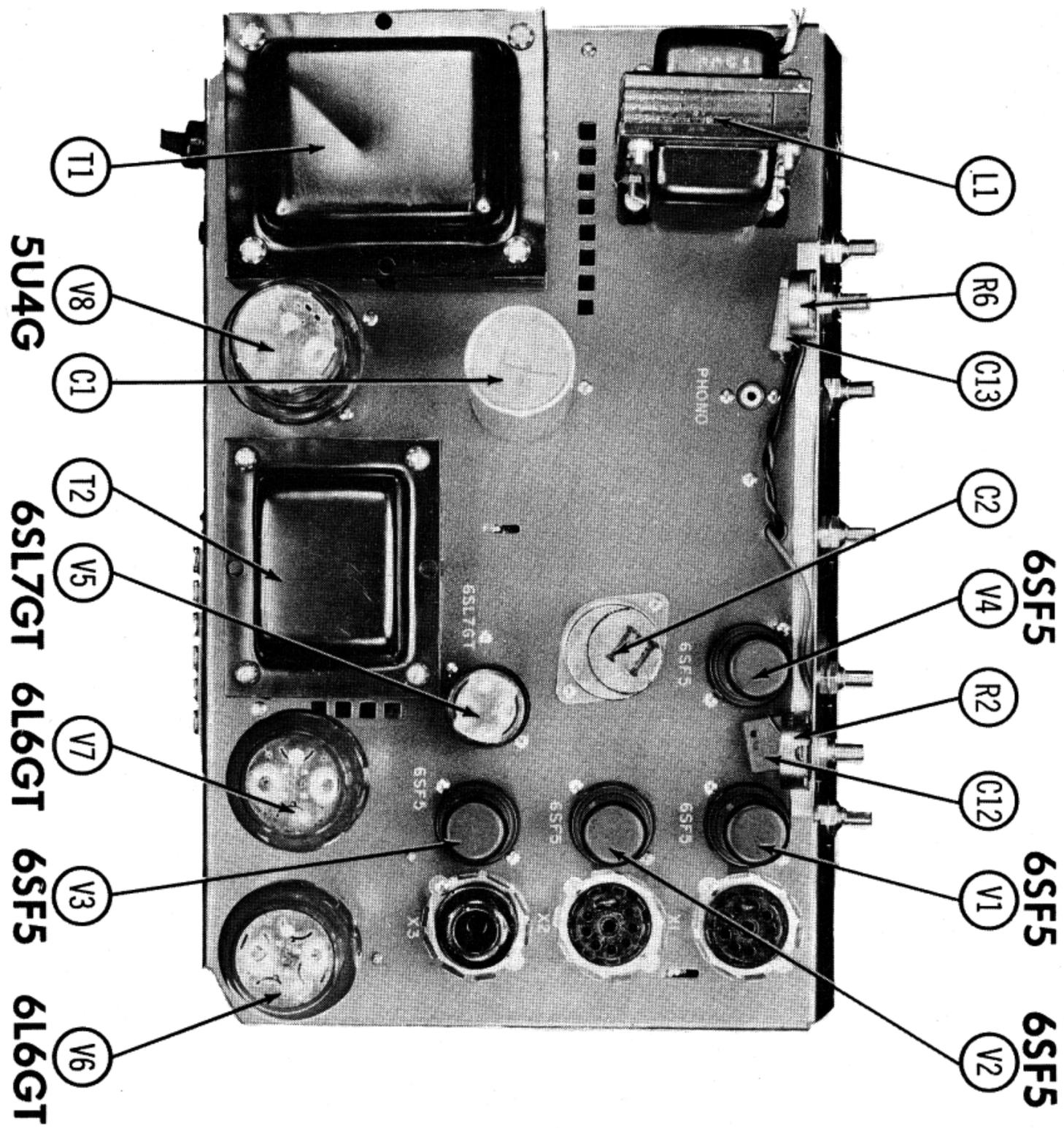
ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT	David Bogen PART No.	CENTRALAB PART No.	ERIE PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	
C1A	8	500							
B	8	500							
C2A	■5	450							
B	▲5	450				WP433.6	TM-QS-450	Q-030	
C	●5	450							
D	5	450							
C3	50	50				TC39	TD-50-50	FM-0550	
C4	.047	400		DF-503		PT4147	IMP4-S47	3304147	
C5	.047	400		DF-503		PT4147	IMP4-S47	3304147	
C6	.047	400		DF-503		PT4147	IMP4-S47	3304147	
C7	.022	400				PT4122	IMP4-S22	3304122	
C8	.022	600				PT4122	IMP4-S22	3304122	
C9	.022	400				PT4122	IMP4-S22	3304122	
C10	.033	400				PT4133	IMP4-S33	3304133	
C11	.047	400		DF-503		PT4147	IMP4-S47	3304147	
C12	820	500							
C13	.0033	200				PT4133	IMP4-S33	3304133	
C14	.1	400		DF-104		PT401	IMP4-P1	330401	
C15	.1	400		DF-104		PT401	IMP4-P1	330401	
C16	.022	600		DF-203		PT612	IMP6-S2	330612	
C17	.1	400		DF-104		PT401	IMP4-P1	330401	Note 1.

Note 1. Some versions may use a .047MFD @ 400V. in this application.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	David Bogen PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	MALLORY PART No.	
R1A	500KΩ	½	V-202-C	Q13-133	A47-500K Z	B-60	U-48	Mic.1
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R1A
R2	4Meg	½	V-129E					Bass Tapped at 45K
R3A	500KΩ	½	V-202-C	Q13-133	A47-500K-Z	B-60	U-48	Mic. 2
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R3A
R4A	500KΩ	½	V-202-C	Q13-133	A47-500K-Z	B-60	U-48	Mic. 3
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R4A
R5A	500KΩ	½	V-202-C	Q13-133	A47-500K-Z	B-60	U-48	Phono
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R5A
R6A	500KΩ	½	V-202-C	Q13-133	A47-500K-Z	B-60	U-48	Treble
B	Shaft		Not Req.	Not Req.	FS-3	Not Req.	Not Req.	Attach to R6A

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING OHMS	RATING WATT	REPLACEMENT DATA David Bogen PART No.	REPLACEMENT DATA IRC PART No.	NOTES
R7	2.2Meg	1/2		BTS-2.2Meg	
R8	220KΩ	1/2		BTS-220K	
R9	2.2Meg	1/2		BTS-2.2Meg	
R10	220KΩ	1/2		BTS-220K	
R11	220KΩ	1/2		BTS-220K	
R12	2.2Meg	1/2		BTS-2.2Meg	
R13	220KΩ	1/2		BTS-220K	
R14	220KΩ	1/2		BTS-220K	
R15	470KΩ	1/2		BTS-470K	
R16	100KΩ	1/2		BTS-100K	
R17	220KΩ	1/2		BTS-220K	
R18	1500Ω	1/2		BTS-1500	
R19	220KΩ	1/2		BTS-220K	
R20	47KΩ	1/2		BTS-47K	

ITEM No.	RATING OHMS	RATING WATT	REPLACEMENT DATA David Bogen PART No.	REPLACEMENT DATA IRC PART No.	NOTES
R21	2200Ω	1/2		BTS-2200	
R22	220KΩ	1/2		BTS-220K	
R23	6800Ω 5%	1/2		BTS-6800 5%	
R24	2200Ω	1/2		BTS-2200	
R25	220KΩ	1/2		BTS-220K	
R26	100KΩ	1/2		BTS-100K	
R27	47Ω	1/2		BTS-47	
R28	200Ω	7		PW7-200	
R29	100KΩ	1/2		BTS-100K	
R30	47Ω	2			
R31	150KΩ	1/2		BTS-150K	
R32	4700Ω	1		BTA-4700	
R33A	20KΩ	16			
B	3000Ω	10			

TRANSFORMER (POWER)

ITEM No.	RATING PRI.	RATING SEC. 1	RATING SEC. 2	RATING SEC. 3	REPLACEMENT DATA David Bogen PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T1	117VAC @ 1.17A	760VCT .142ADC	5VAC @ 3A	6.3VCT @ 3.3A	T-365-1A	PM-8411	P-2955		P9403	24R07

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE PRI.	IMPEDANCE SEC.	REPLACEMENT DATA David Bogen PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	NOTES
T2	6.4KΩ CT	500Ω tap @ 70V @16Ω, 8Ω, 4Ω	T261		A-3130①	A-3801			

FILTER CHOKE

ITEM No.	RATINGS TOTAL DIRECT CURRENT	RATINGS D.C. RESISTANCE	RATINGS INDUCTANCE (0 CURRENT 1000 ∿)	REPLACEMENT DATA David Bogen PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L1	.142A	84.5Ω	4HY	T509	C5029	C-3196①	C-1411①	20C55①	C-15A①

① Drill new mounting holes.

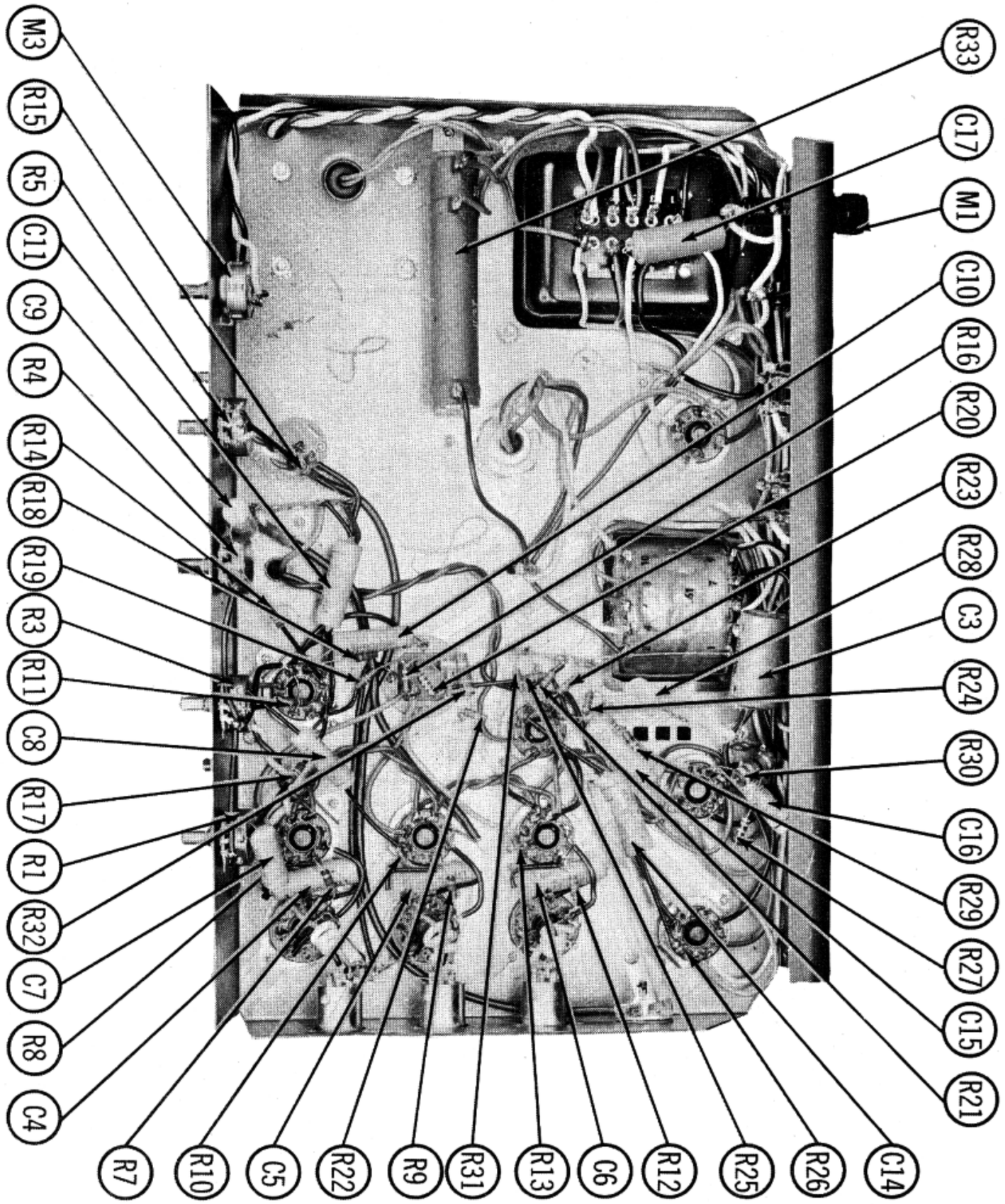
FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA David Bogen PART No. FUSE	David Bogen PART No. HOLDER	LITTELFUSE PART No. FUSE	LITTELFUSE PART No. HOLDER	BUSS PART No. FUSE	BUSS PART No. HOLDER
M1	3AG S/B	2A 125V			313002 (3AG S/B 2A)	342001	MDL2	HKP

MISCELLANEOUS

ITEM No.	PART NAME	David Bogen PART No.	NOTES
M2	Pilot Light		#47, Bayonet
M3	Switch		On-Off-Power

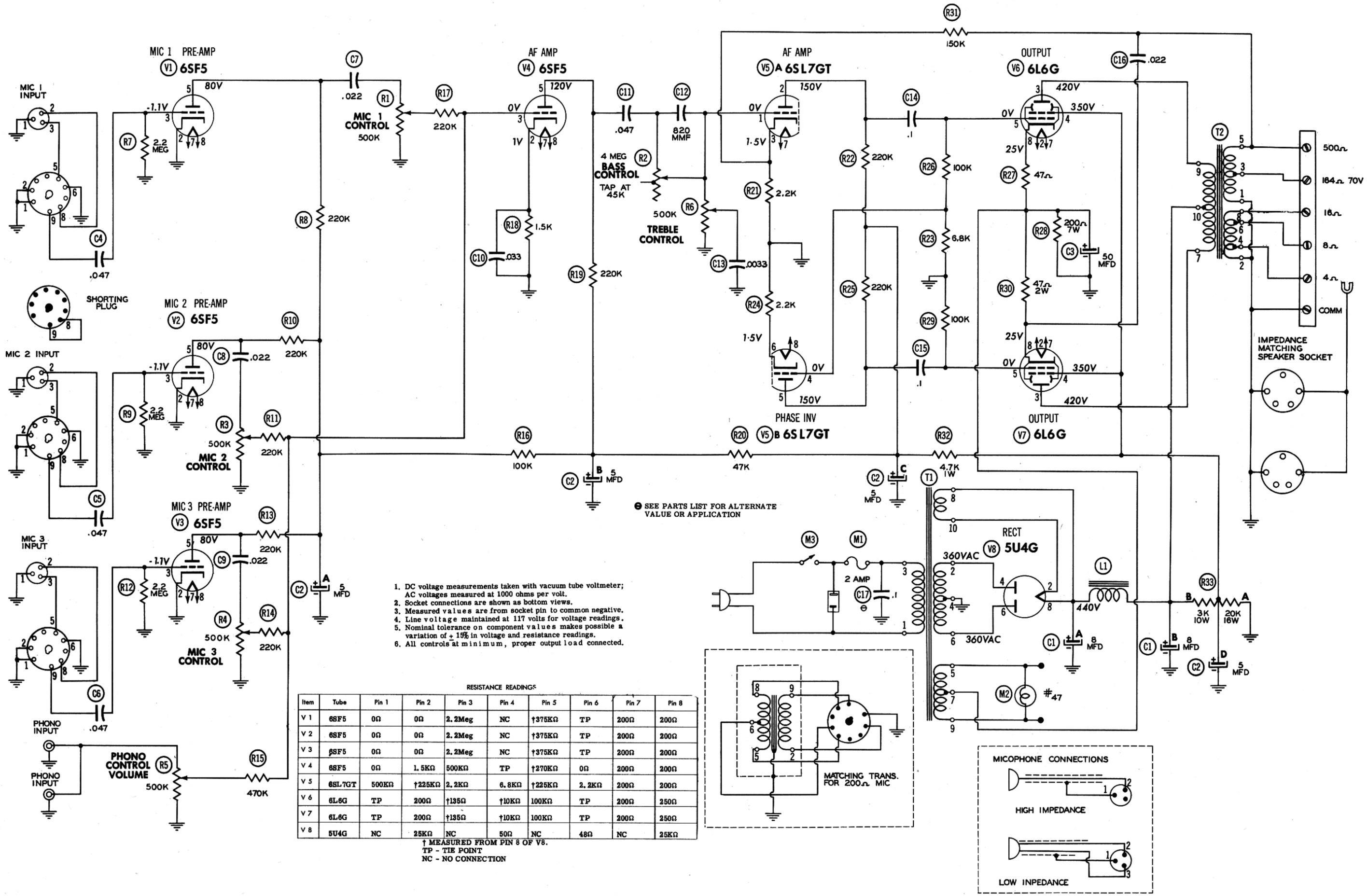
CHASSIS—BOTTOM VIEW



SET 291 FOLDER 5

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❸ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

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 on component values makes possible a variation of ± 15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V 1	6SF5	0Ω	0Ω	2.2Meg	NC	†375KΩ	TP	200Ω	200Ω
V 2	6SF5	0Ω	0Ω	2.2Meg	NC	†375KΩ	TP	200Ω	200Ω
V 3	6SF5	0Ω	0Ω	2.2Meg	NC	†375KΩ	TP	200Ω	200Ω
V 4	6SF5	0Ω	1.5KΩ	500KΩ	TP	†270KΩ	0Ω	200Ω	200Ω
V 5	6SL7GT	500KΩ	†225KΩ	2.2KΩ	6.8KΩ	†225KΩ	2.2KΩ	200Ω	200Ω
V 6	6L6G	TP	200Ω	†135Ω	†10KΩ	100KΩ	TP	200Ω	250Ω
V 7	6L6G	TP	200Ω	†135Ω	†10KΩ	100KΩ	TP	200Ω	250Ω
V 8	5U4G	NC	25KΩ	NC	50Ω	NC	48Ω	NC	25KΩ

† MEASURED FROM PIN 8 OF V8.
TP - TIE POINT
NC - NO CONNECTION

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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