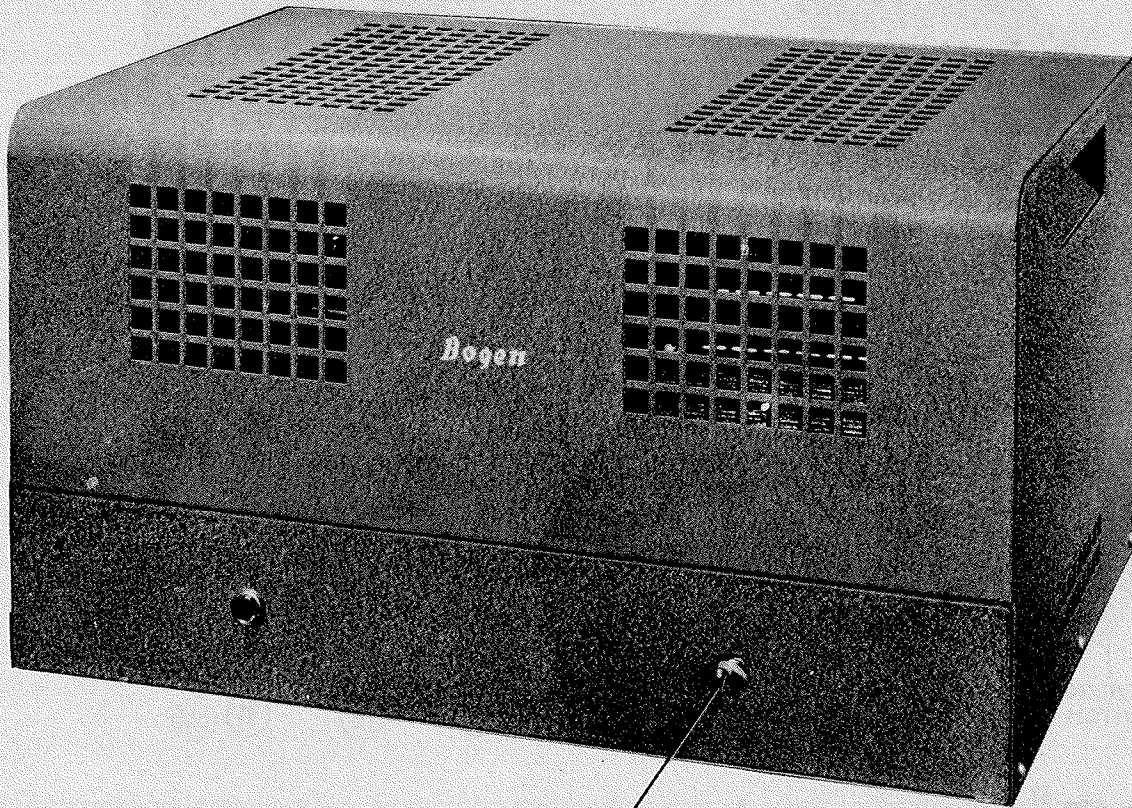


PHOTOFACT* Folder



DAVID BOGEN
MODEL HO50

DAVID BOGEN
MODEL HO50



ON-OFF SWITCH

DAVID BOGEN
MODEL HO50

DAVID BOGEN MODEL HO50

TRADE NAME	David Bogen, Model HO50	
MANUFACTURER	David Bogen Co., Inc., 663 Broadway, New York 12, New York	
TYPE SET	AC Operated Booster Audio Amplifier	
TUBES(SIX)	Types 6SL7GT AF-Phase Inverter, 6SN7GT Driver, (2) 807 Power Output, 5Y3GT Rectifier, 5R4GY Rectifier	
POWER SUPPLY	110-120 Volts AC	RATING 1.35 Amp. at 117 Volts AC

HOWARD W. SAMS & CO., INC. • Indianapolis 1, Indiana

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DATE 1 - 50

SET 84

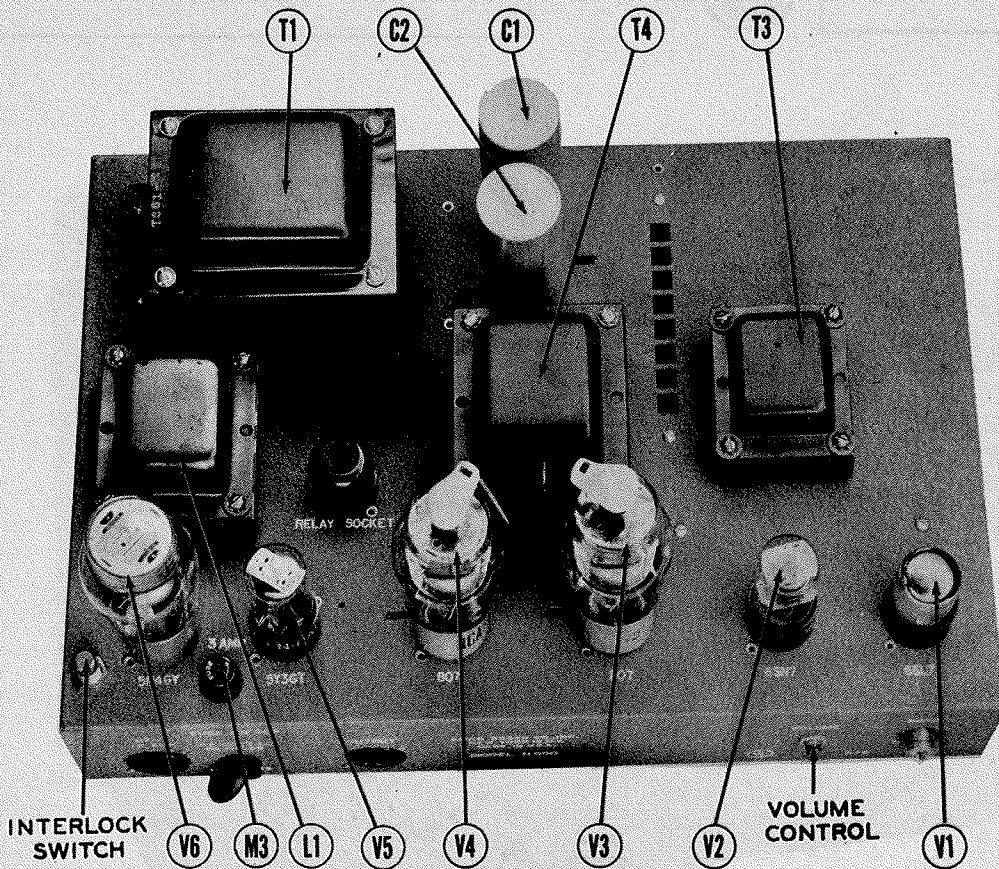
FOLDER 5

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

DAVID BOGEN
MODEL
H650

CHASSIS—TOP VIEW



ITEM No.	USE	REPLACEMENT DATA		BMA BASE TYPE	INSTALLATION NOTES
		DAVID BOGEN PART No.	STANDARD REPLACEMENT		
V1	A.F. Amp. -Phase Inverter	6SL7GT	6SL7GT	8BD	
V2	Driver	6SN7GT	6SN7GT	8BD	
V3	Power Output	807	807		
V4	Power Output	807	807		
V5	Rectifier	5Y3GT	5Y3GT	5T	
V6	Rectifier	5R4GY	5R4GY	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 CAP. VOLT	REPLACEMENT DATA			IDENTIFICATION CODES AND INSTALLATION NOTES
		DAVID BOGEN PART No.	AEROVOX DUBILIER PART No.	ERIE PART No.	
C1	600	GL600/4	TLAD-6040	AP-46	Filter Green-Yellow Filter Red-Black Decoupling AF Cathode Bypass Bias Filter Audio Coupling Audio Coupling Tone Compensation Line Filter
C2A	8	GL475/8-8	EB10018	CL-88	
C2B	500			UT-10	
C3	450	PR5450/10	BR1045	TVA-16	
C4	50	PR550/50	BR505	TVA-16	
C5	50	PR550/50	BR505	TVA-16	
C6	.05	400	F488-05	TM-15	
C7	.05	400	F488-05	TM-15	
C8	.05	400	F488-05	TM-15	
C9	.05	400	F488-05	TM-15	
C10	.1	400	P488-1	TM-1	

CONTROLS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA		INSTALLATION NOTES
			David Bogen PART No.	CLAROSTAT PART No.	
R1	500KΩ	1/2	Y-275	Q13-133	M-60-Z Volume control

RESISTORS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA		IDENTIFICATION CODES
			DAVID BOGEN PART No.	IRC PART No.	
R2	3000Ω	1/2		BTS-3300	A.F. Cathode
R3	470K	1/2		BTA-470	A.F. Cathode
R4	270KΩ	1/2		BTS-270K	A.F. Plate
R5	3000Ω 5%	1/2		BTA-3900-5%	Phase Inv. Grid
R6	47KΩ	1/2		BTS-47K	Phase Inv. Plate
R7	270KΩ	1/2		BTS-270K	Tone Compensation
R8	1 Meg.	1/2		BTS-1 Meg.	Decoupling
R9	10KΩ	1/2		BTS-10K	Driver Grid
R10	1 Meg.	1/2		BTS-1 Meg.	Driver Grid
R11	1 Meg.	1/2		BTS-1 Meg.	Driver Cathode
R12	750Ω	1/2		BTS-47K	Feedback
R13	47KΩ	1/2		BTS-47K	Bleeder, Wire Wound
R14A	10KΩ	50		EPA-50K *	Bias Control, Wire Wound, Adjustable
R15	1000Ω	10		ABA-1000 #	Series Neon
R16	47KΩ	1/2		BTS-47K	
R17	47KΩ	1/2		BTS-47K	

* Set slider at 10KΩ from one end.

Set slider to read -25 VDC from ground side.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA		
	PRI. SEC.	SEC. 1 SEC. 2 SEC. 3	DAVID BOGEN PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.
T1	117VAC at 1.35A	620VCT .120ADC 5VAC at 2A	T361-2			
		6.3VCT at 2.7A				

TRANSFORMER (INPUT)

ITEM No.	RATING			REPLACEMENT DATA			INSTALLATION NOTES
	IMPEDANCE	DC RES.	DAVID BOGEN PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T2			T-6				Used with low impedance input.

TRANSFORMER (DRIVER)

ITEM No.	RATING			REPLACEMENT DATA			INSTALLATION NOTES
	INDUCTANCE	DC RES.	DAVID BOGEN PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T3	10 Henries	140Ω	T-119-1				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING			REPLACEMENT DATA			INSTALLATION NOTES
	IMPEDANCE	DC RES.	DAVID BOGEN PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T4	3KΩ CT	500Ω 1250 CT 150 80	T256-1	A-3301 †	A-3133 †	BO-9 †	† Drill new mounting holes.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (10 CURRENT 1000 μ)	DAVID BOGEN PART No.	STANCOR PART No.	MERIT PART No.	
L1	120A .056A	50Ω	2.5Henries	T510-1	C-2304 †	C-2974 †	TR-4200†
L2		190Ω	5.5Henries	T501	C-1080	C-2977	R-885 †

MISCELLANEOUS

ITEM No.	PART NAME	DAVID BOGEN PART No.	NOTES
M1	Switch		On-Off
M2	Interlock		Interlock
M3	Fuse		3 Amp. AGC
M4	Lamp		Neon (NE3)

CHASSIS — BOTTOM VIEW

