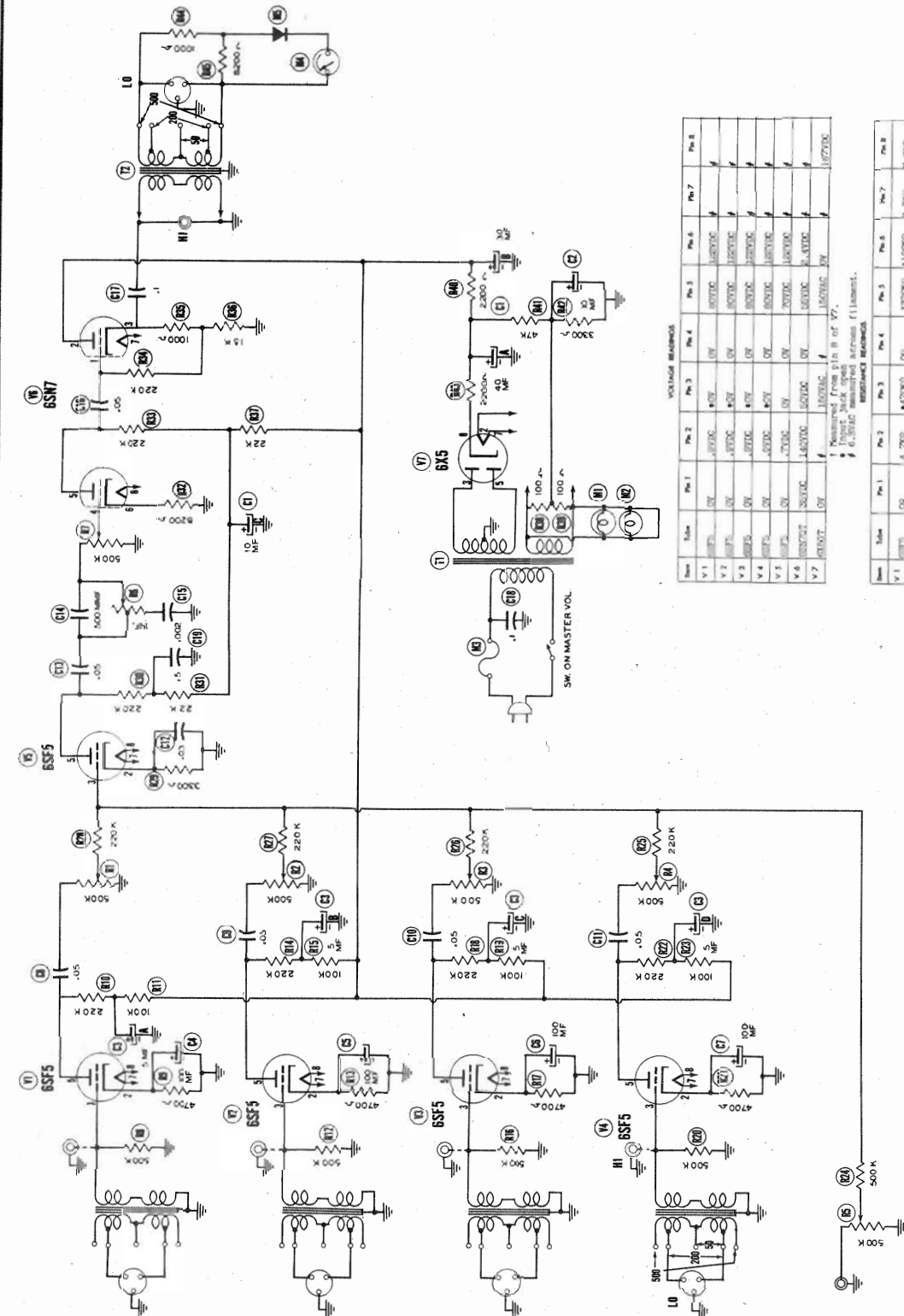


DAVID BOGEN
MODELS HOH, HOL, LOH, LOL

1. DC Voltage measurements are at 20,000 ohms per volt; 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 $\pm 15\%$ in voltage and resistance readings.
6. All controls at minimum, no signal applied for voltage measurements.



VOLTAGE MEASUREMENTS							
Pin	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
V1	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V2	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V3	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V4	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V5	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V6	6.750	6.750	6.750	6.750	6.750	6.750	6.750
V7	6.750	6.750	6.750	6.750	6.750	6.750	6.750

A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1949

DAVID BOGEN MODEL HOL

TRADE NAME David Bogen, Models HOH, HOL, LOH, LOL

MANUFACTURER David Bogen Co., Inc., 663 Broadway, New York 12, New York

TYPE SET AC Operated 5 Channel Audio Amplifier

TUBES(SEVEN) Types 6SF5 Mic. #1 Pre Amp., 6SF5 Mic. #2 Pre Amp., 6SF5 Mic. #3 Pre Amp., 6SF5 Mic. #4 Pre Amp., 6SF5 1st AF Amp., 6SN7GT 2nd AF-Audio Output, 6X5GT Rectifier

POWER SUPPLY 110-120 Volts AC RATING .24 Amp. @ 117 Volts AC

The Model HOH is a self-powered five channel mixer and pre-amplifier which mixes the outputs of four high impedance microphones and a phonograph pickup in any combination. Each input channel has its individual gain control. A master gain control is provided to adjust the level of the mixed program.

The Model HOL is the same as the Model HOH except for the addition of the following features: provision for zero level output terminating in multiple low impedance lines and a built-in db meter on the control panel used to indicate output level. The db meter is calibrated for "0" db. The output impedance may be changed without changing the calibration of the meter. Unless otherwise specified the low output impedance will be connected for 500 ohms.

The Model LOH is the same as the Model HOH except for the addition of low impedance input transformers. Unless otherwise specified they will be connected for 200 ohms input.

The Model LOL is the same as the Model HOL except for the addition of low impedance input transformers. Unless otherwise specified the Model LOL will be connected for 200 ohms input and 500 ohms output.

Input and output transformers may be reconnected for other line impedances as shown on the schematic.

CONNECTIONS: Shielded microphone connectors are located on the rear of the chassis and correspond in position to the controls on the front of the chassis. Both the high and low impedance output connectors are also located at the rear of the chassis. Shielded cable is required for both the input and output lines to prevent hum pickup.

Models HOH and LOH are designed to operate into the phonograph input of the main amplifier and Models HOL and LOL are designed to operate into a zero level line.

HOWARD W. SAMs & CO., INC. • Indianapolis 7, 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 the particular type of replacement part listed."

"Reproduction or use, without express permission, of editorial or pictorial con-

tent, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. Copyright 1949 by Howard W. Sams & Co., Inc., Indianapolis 7, Indiana, U. S. of America. Copyright under International Copyright Union. All rights reserved under Inter-American Copyright Union (1910) by Howard W. Sams & Co., Inc." Printed in U. S. of America

DATE 12/49 SET #80 FOLDER 5

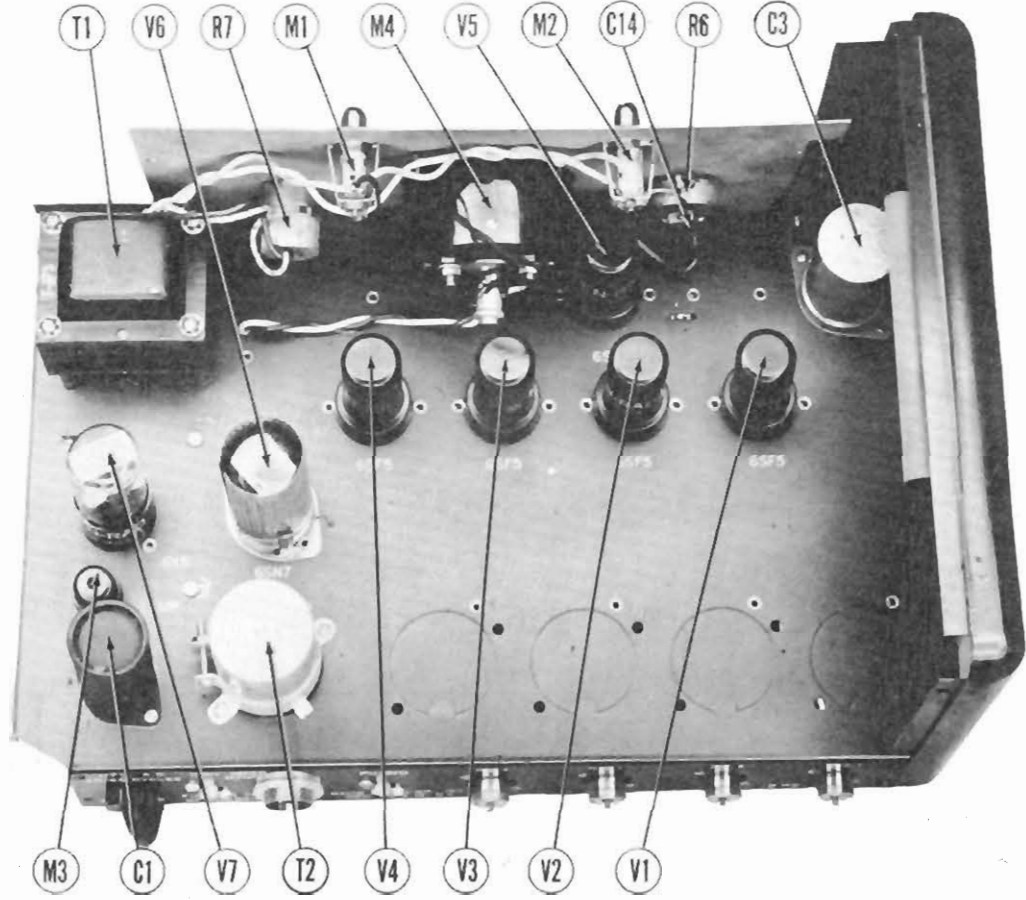
DAVID BOGEN
MODELS HOH, HOL, LOH, LOL

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		DAVID BOGEN PART No.	STANDARD REPLACEMENT		
V1	Mic. #1 Pre Amp	6SF5	6SF5	GAB	
V2	Mic. #2 Pre Amp	6SF5	6SF5	GAB	
V3	Mic. #3 Pre Amp	6SF5	6SF5	GAB	
V4	Mic. #4 Pre Amp	6SF5	6SF5	GAB	
V5	1st AF Amp.	6SF5	6SF5	GAB	
V6	2nd AF-Audio	6SN7GT	6SN7GT	8BD	
V7	Rectifier	6X5GT	6X5GT	69	

CHASSIS—TOP VIEW



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		SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
C1A	40		AF844D	UP43215	EL-224
C1B	30				TV-5
C2	10		PR825/10	AF2222J	EL-410
C3A	15				UHC-102
C3B	450				UHC-102
C3C	450				UHC-102
C4	100		PR825/100	BRH251A	UHC-102
C5	100				UHC-102
C6	100		PR825/100	BRH251A	UHC-102
C7	100				UHC-102
C8	.05				TV-15
C9	.05				TV-15
C10	.05				TV-15
C11	.05				TV-15
C12	.05				TV-15
C13	.05				TV-15
C14	.05				TV-15
C15	.05				TV-15
C16	.05				TV-15
C17	.05				TV-15
C18	.05				TV-15
C19	.05				TV-15

CONTROLS

ITEM No.	RATING RESIST. WATTS	REPLACEMENT DATA		SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
R1	500KΩ				Microphone 1 Volume Control
R2	500KΩ				Microphone 2 Volume Control
R3	500KΩ				Microphone 3 Volume Control
R4	500KΩ				Microphone 4 Volume Control
R5	500KΩ				Phono Volume Control
R6	Inf.				Tone Control, Tapped 60KΩ
R7A	500KΩ				Master Volume Control
R7B	Switch				Attach to R7A per Instructions

RESISTORS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		SPRAGUE PART No.	IDENTIFICATION CODES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
R8	500KΩ				Mic. #1 Pre Amp. Grid
R9	470KΩ				Mic. #1 Pre Amp. Cathode
R10	220KΩ				Mic. #1 Pre Amp. Plate
R11	100KΩ				Mic. #1 Pre Amp. Decoupling
R12	500KΩ				Mic. #2 Pre Amp. Grid
R13	470KΩ				Mic. #2 Pre Amp. Cathode
R14	220KΩ				Mic. #2 Pre Amp. Plate
R15	100KΩ				Mic. #2 Pre Amp. Decoupling

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		SPRAGUE PART No.	IDENTIFICATION CODES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
R16	500KΩ				Mic. #3 Pre Amp. Grid
R17	470KΩ				Mic. #3 Pre Amp. Cathode
R18	220KΩ				Mic. #3 Pre Amp. Plate
R19	100KΩ				Mic. #3 Pre Amp. Decoupling
R20	500KΩ				Mic. #4 Pre Amp. Grid
R21	470KΩ				Mic. #4 Pre Amp. Cathode
R22	220KΩ				Mic. #4 Pre Amp. Plate
R23	100KΩ				Mic. #4 Pre Amp. Decoupling
R24	500KΩ				Isolation
R25	220KΩ				Isolation
R26	100KΩ				Isolation
R27	220KΩ				Isolation
R28	220KΩ				Isolation
R29	220KΩ				Isolation
R30	220KΩ				Isolation
R31	220KΩ				Isolation
R32	220KΩ				Isolation
R33	220KΩ				Isolation
R34	220KΩ				Isolation
R35	220KΩ				Isolation
R36	220KΩ				Isolation
R37	220KΩ				Isolation
R38	220KΩ				Isolation
R39	220KΩ				Isolation
R40	220KΩ				Isolation
R41	220KΩ				Isolation
R42	220KΩ				Isolation
R43	220KΩ				Isolation
R44	220KΩ				Isolation
R45	220KΩ				Isolation

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA		SPRAGUE PART No.	IDENTIFICATION CODES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
T1	117V-0 250W 50/0-0 3.5A				

Drill new mounting holes. Add series resistors to reduce plate voltage.

TRANSFORMER (IMP. MATCH.)

ITEM No.	RATING	REPLACEMENT DATA		SPRAGUE PART No.	IDENTIFICATION CODES
		DAVID BOGEN PART No.	DAVID BOGEN PART No.		
T2	117V-0 250W 50/0-0 3.5A				

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA	NOTES
D1	Bayonet	6-8	.15		Type #47
D2	Bayonet	6-8	.15		Type #47

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Fuse		100 1 Amp.
M2	Meter		ACC Meter
M3	Rectifier		

CHASSIS—BOTTOM VIEW

