

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 $\pm 15\%$ in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

RESISTANCE READINGS

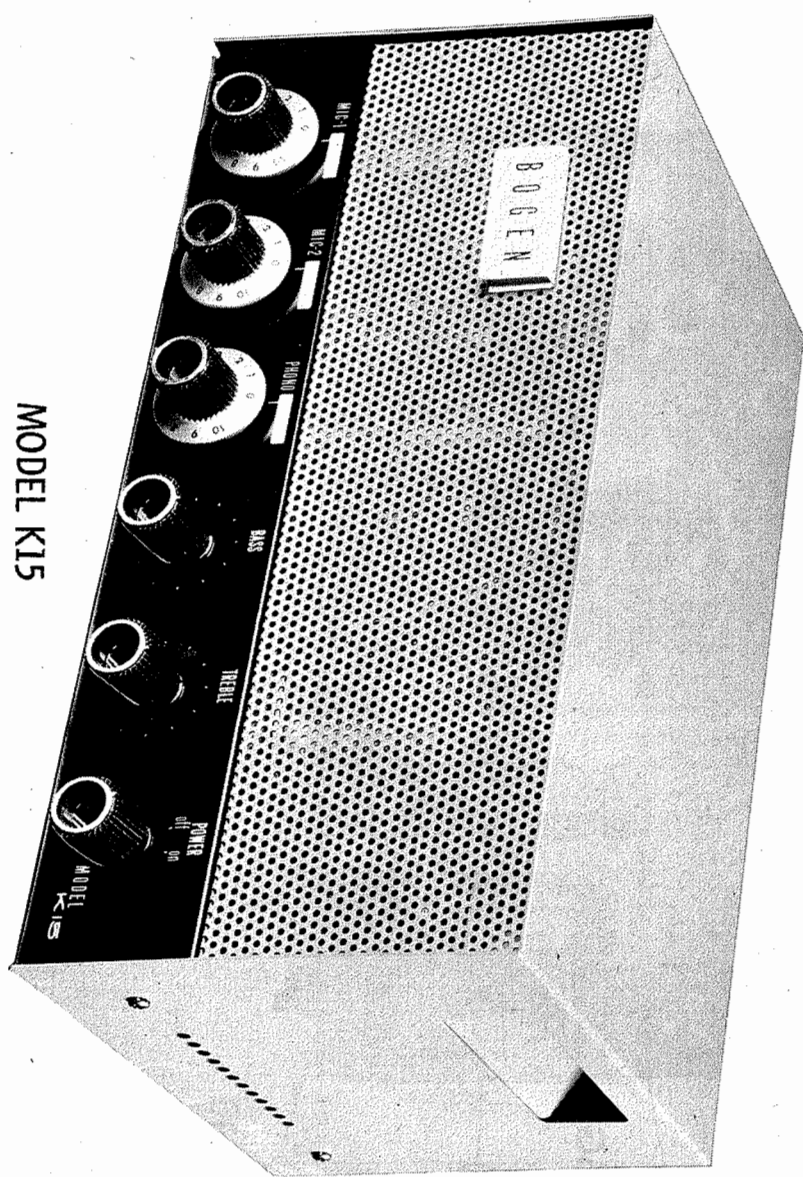
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7 ECC83	1370K	3.3meg	0 Ω	250 Ω	250 Ω	1370K	3.3meg	0 Ω	250 Ω
V2	6AV6	80K	2200 Ω	250 Ω	250 Ω	NC	NC	1275K		
V3	12AX7 ECC83	1230K	12K	2200 Ω	250 Ω	250 Ω	1230K	500K	2200 Ω	250 Ω
V4	6L6GB	TP	250 Ω	1120 Ω	11000 Ω	480K	TP	250 Ω	250 Ω	
V5	6L6GB	TP	250 Ω	1110 Ω	11000 Ω	470K	NC	250 Ω	250 Ω	
V6	6AX5 GT	NC	250 Ω	40 Ω	NC	36 Ω	NC	250 Ω	1	

† THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT.
 † MEASURED FROM PIN 8 OF V6.
 NC NO CONNECTION
 TP TIE POINT

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION
 DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM
 A PHOTOFAC STANDARD NOTATION SCHEMATIC
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420-4

DAVID BOGEN
 MODELS K15, K15Y



TRADE NAME	David Bogen Models K15, K15/Y
MANUFACTURER	David Bogen Co., P. O. Box 500, Paramus, N. Y.
TYPE SET	AC Operated 15 Watt Audio Amplifier (Model K15/Y Has 3 Speed Manual Record Player)
TUBES (Six)	Types 12AX7 Mic Pre-amplifier, 6AV6 1st AF Amplifier, 12AX7 2nd AF Amp.-Phase Inv., (2) 6L6GB Output, 6AX5GT Rectifier
POWER SUPPLY	110-120 Volts AC-60 Cycles RATING .756 Amp. @ 117 Volts AC (80 Watts)

DAVID BOGEN
 MODELS K15, K15Y

FOLDER 4
 SET 420

PHOTOFAC[®] Folder



DAVID BOGEN
 MODELS K15, K15Y

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PARTS LIST AND DESCRIPTIONS TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	Mic Pre Amplifier	12AX7		V4	Output Coupler	6L6GB	
V2	1st AF Amplifier	6AV6		V5	Rectifier	6L6GB	
V3	2nd AF Amp. -Phase Inv.	12AX7		V6		6AX5GT	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	CAP.	VOLT.	WATTS	DAVID BOGEN PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	
C1A	•10	450			AFH2-47	D0080	WP433.6	Q-027
C1B	•10	450			AFH4-09	D0080	WP433.6	Q-027
C1C	•5	450						
C1D	•5	450						
C1E	•5	450						
C1F	•5	450						
C1G	•5	450						
C1H	•5	450						
C1I	•5	450						
C1J	•5	450						
C1K	•5	450						
C1L	•5	450						
C1M	•5	450						
C1N	•5	450						
C1O	•5	450						
C1P	•5	450						
C1Q	•5	450						
C1R	•5	450						
C1S	•5	450						
C1T	•5	450						

* Non-Catalog Item

FIXED CAPACITORS

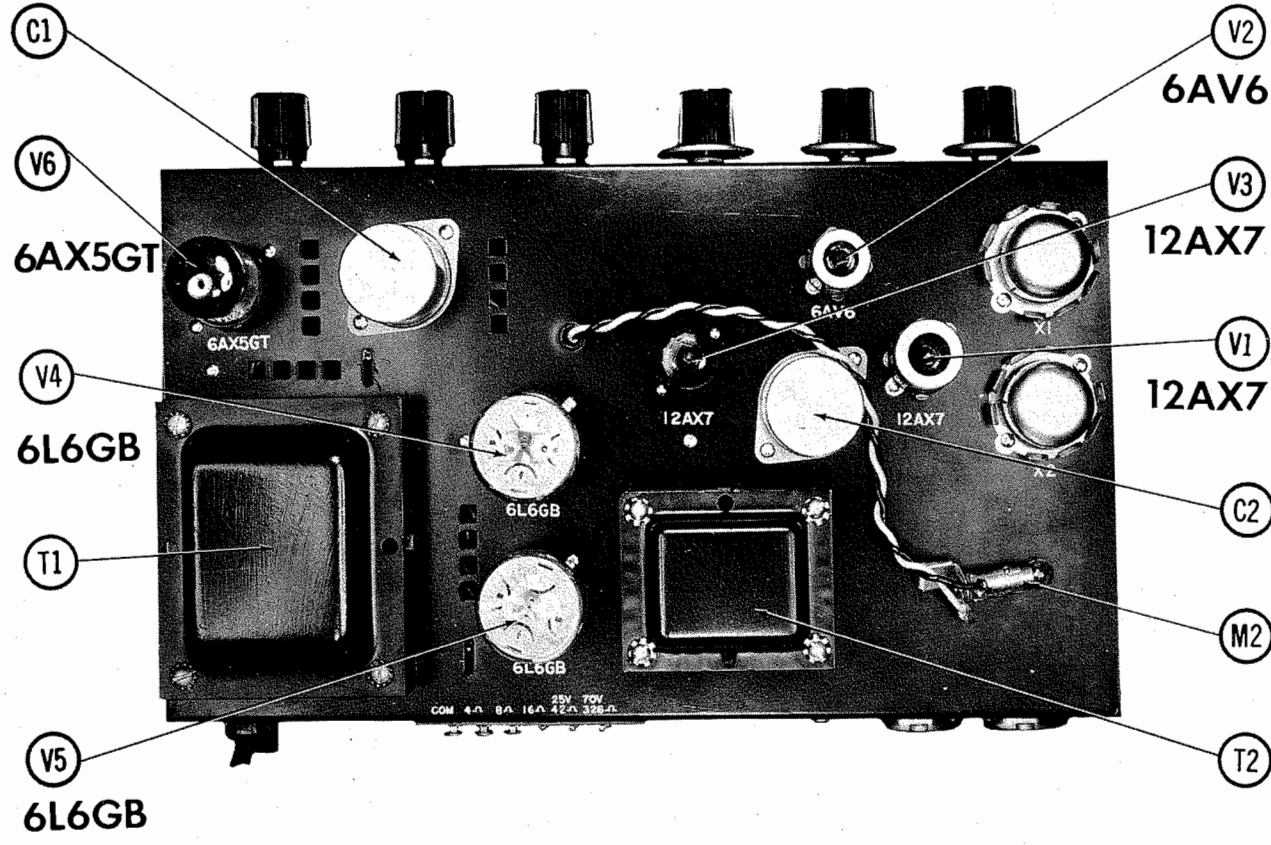
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	CAP.	VOLT.	WATTS	DAVID BOGEN PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	
C4	15000			BPD-015	DD18-153	BYA10S15	5HK-515	
C5	15000			BPD-015	DD18-153	BYA10S15	5HK-515	
C6	•033	400		P488N-033	DF-303	CUB48S3	GEM-4133	
C7	•033	400		P488N-033	DF-303	CUB48S3	GEM-4133	
C8	•033	400		EPD-01	DF-103	BYA6S1	DC511	
C9	•047	400		P488N-047	DF-503	CUB48S4	GEM-4147	10%
C10	•047	400		IR5T02		IR5D15	MS-215	10%
C11	15000			BPD-01	DD-103	BYA6S1	DC511	
C12	15000			P488N-033	DF-303	CYB48S3	GEM-4133	
C13	•033	400		P488N-033	DF-303	CUB48S3	GEM-4133	
C14	•033	400		P488N-033	DF-303	CUB48S3	GEM-4133	
C15	•033	400		IR5T02		IR5D15	MS-215	
C16	•047	600		P488N-047	DF-503	CUB68S4	GEM-0147	5%

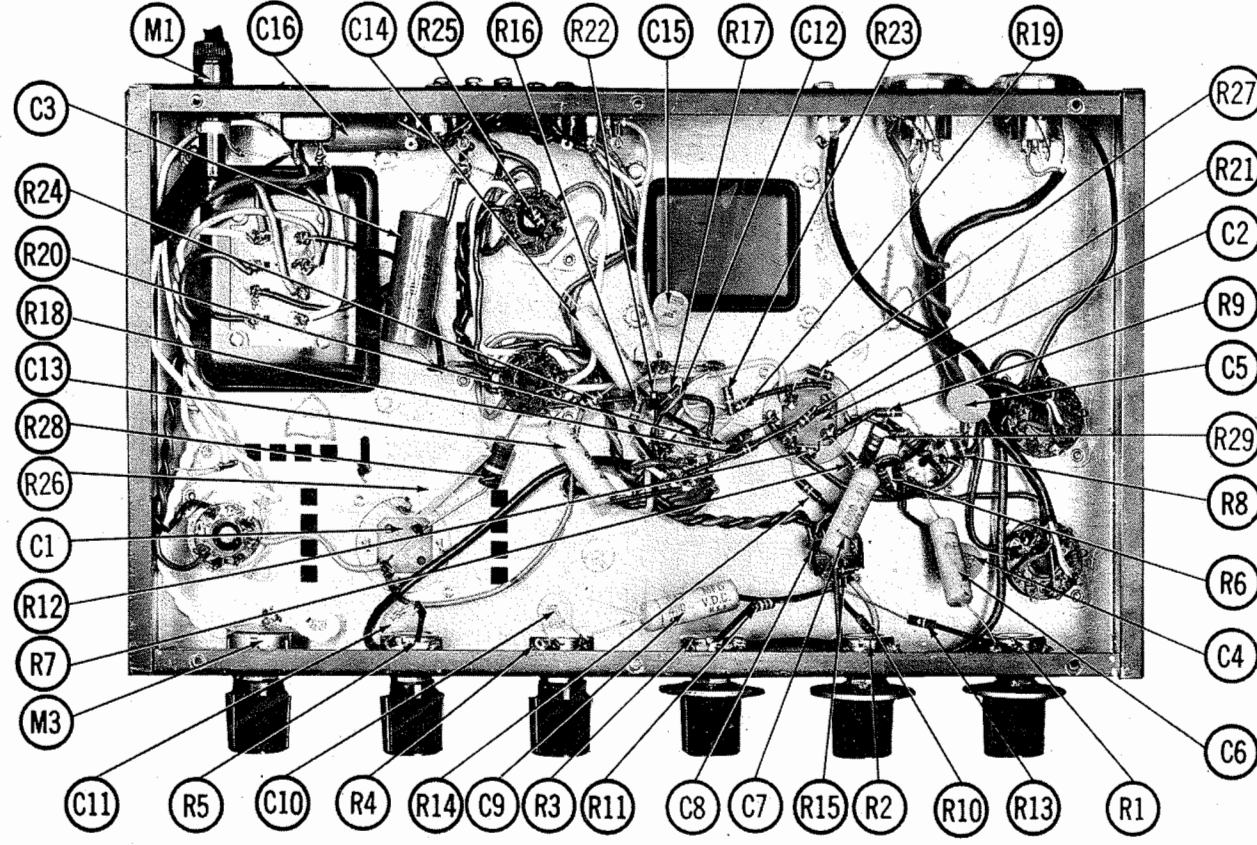
CONTROLS

ITEM No.	RATING			REPLACEMENT DATA				INSTALLATION NOTES	
	RESISTANCE	WATTS	WATTS	DAVID BOGEN PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.		MALLORY PART No.
R1A	500K	•	•	V387	B-80	A47-500K-Z	Q13-133	U48	MIC 1
R1B	500K	•	•	V387	Not Req.	Not Req.	Not Req.	U48	MIC 2
R1C	500K	•	•	V387	Not Req.	Not Req.	Not Req.	U48	Phono
R1D	500K	•	•	V387	Not Req.	Not Req.	Not Req.	U48	Not Req.
R1E	1.5meg	•	•	V407	B-76	A47-2meg-Z	Q13-139	U55	Base
R1F	500K	•	•	V387	Not Req.	Not Req.	Not Req.	U48	Treble
R1G	500K	•	•	V387	Not Req.	Not Req.	Not Req.	U48	Not Req.

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

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

ITEM No.	RATING		NOTES	DAVID BOGEN PART No.	NOTES	DAVID BOGEN PART No.	NOTES
	OHMS	WATT					
R6	3.3meg			R18	220K		
R7	220K			R19	220K		
R8	3.3meg			R20	2200Ω		
R9	220K			R21	47K		
R10	220K			R22	470K		
R11	470K			R23	12K		
R12	100K			R24	47K		
R13	220K			R25	470K		
R14	220K			R26	250Ω		
R15	2200Ω			R27	10K		
R16	150K			R28	1000Ω		
R17	2200Ω			R29	4.7Ω		

TRANSFORMER (POWER)

ITEM No.	RATING		DAVID BOGEN PART No.	REPLACEMENT DATA				Triad PART No.	
	PRL	SEC. 1		Merit PART No.	Ram PART No.	Stancor PART No.	Thoradson PART No.		
T1	II TV @ .795A	640VCT @ 4 A	SEC. 2 T-3152	DAVID BOGEN PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thoradson PART No.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		DAVID BOGEN PART No.	REPLACEMENT DATA				NOTES	
	PRL	SEC.		Merit PART No.	Ram PART No.	Stancor PART No.	Thoradson PART No.		
T2	1500Ω	125V 8/B	T-2127	DAVID BOGEN PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thoradson PART No.

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA				BUSSE PART No.
			DAVID BOGEN PART No.	FUSE HOLDER	FUSE HOLDER	FUSE HOLDER	
M1	3AG	1 1/4-125V 8/B		31301.5 (3AG 1 1/4, 125V 8/B)	342001	MDX 1 1/2	HKP

MISCELLANEOUS

ITEM No.	PART NAME	DAVID BOGEN PART No.	NOTES
M2	Lamp		
M3	Switch	5434	951 Power On-Off Rotary Snap

WIRING DATA

General-use Unshielded Hook-up Wire		Use BELDEN No. 8530 (Solid) Available in Ten Colors
Power Cord		Use BELDEN No. 8524 (Stranded) Available in Ten Colors
Low-Loss Shielded Lead (Interconnecting)		Use BELDEN No. 1725-K (7 1/2 Ft. Length)
Phono Pick-up Arm Cable		Use BELDEN No. 8401
.....		Use BELDEN No. 8430 (Two Conductor - Twisted)