

Vintage Blue

TRADE NAME	Model B-12-NB B-15-NB PORTAFLEX
MANUFACTURER	The Ampeg Co. Industrial Park Linden, New Jersey
TYPE SET	Bass amplifier (Two channels)
TUBES	6SL7, 6SL7, 6SL7, 6L6GC, 6L6GC
POWER SUPPLY	240v A.C. 60 cycles EXPORT
POWER SUPPLY	117v A.C. 60 cycles USA
POWER OUTPUT	25 Watts

TRANSFORMER (AUDIO OUTPUT)

Item No.	Impedance		D.C. Res.		Part No.
	Pri.	Sec.	Pri.	Sec.	
T 1	6.5k	8 ohms	240 ohms	1 ohm	OT-208
		16 ohms		1.2 ohms	

TRANSFORMER (POWER) EXPORT

Item No.	Rating				Part No.
	Pri.	Sec. 1	Sec. 2	Sec. 3	
T 2	240v A.C. 50/60 cyc.	750v AC ct. 160ma	5v A.C. 3 A	6.3v AC ct. 5A	PT-157-230 or PT-108-230^

^Transformer (power) PT-108-230 or PT-108 Sec. 1 rating 750v AC 150ma

TRANSFORMER (POWER) USA

Item No.	Rating				Part No.
	Pri.	Sec. 1	Sec. 2	Sec. 3	
T 2	117v A.C. 50/60 cyc.	750v AC ct. 160ma	5v A.C. 3 A	6.3v AC ct. 5A	PT-157 or PT-108^

SPEAKER B-12-NB Model

Item No.	Rating			Part No.
	Size	Field	V.C. Imp.	
SP 1	12"	P.M.	8 ohms	P-12-N, C-12-N

SPEAKER B-15-NB Model

Item No.	Rating			Part No.
	Size	Field	V.C. Imp.	
SP 1	15"	P.M.	8 ohms	P-15-N or C-15-N

D.C. VOLTAGE READINGS (no signal inserted)

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V1	6SL7		110v	1.4v		185v	2.5v	F.	F.
V2	6SL7		110v	1.4v		185v	2.5v	F.	F.
V3	6SL7		310v	3.3v		309v	3.1v	F.	F.
V4	6L6GC		F.	465v	450v			F.	36v
V5	6L6GC		F.	465v	450v			F.	36v

Nominal tolerance on component values makes possible a variation of $\pm 5\%$ in voltage readings.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V1	6SL7	1.1mg	Inf.	2.2k	§	Inf.	5.6k	F.	F.
V2	6SL7	0	Inf.	2.2k	§	Inf.	5.6k	F.	F.
V3	6SL7	§§	Inf.	1.2k	470k	Inf.	1k	F.	F.
V4	6L6GC		F.	Inf.	Inf.	271k		F.	250 Ω
V5	6L6GC		F.	Inf.	Inf.	271k		F.	250 Ω

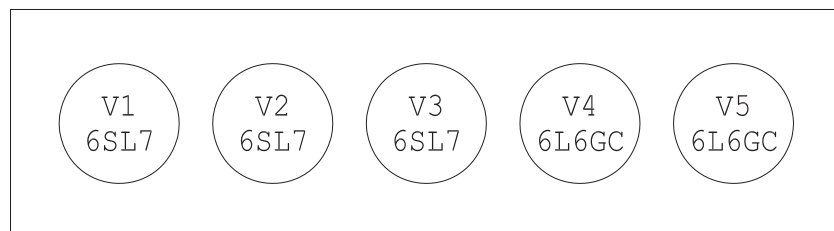
§ depending on the position of Bass control

§§ depending on the position of Volume controls

^ Standby switch at "ON" position

Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in resistance readings.

TUBE LOCATION



RESISTORS

Item No.	Ohms	Watt
R 1, 2	120k	1/2
R 3	1 mg	1/2
R 4	5.6 mg	1/2
R 5, 6	470k	1/2
R 8	120k	1/2
R 10	270k	1/2
R 11, 12	5.6k	1/2
R 13, 14	470k	1/2
R 16	120k	1/2
R 18	270k	1/2
R 19, 19a	2.2k	1/2
R 20	2.2mg	1/2
R 21, 22	270k	1/2
R 23	470k	1/2
R 24	220 Ω	1/2
R 25, 26	47k	1/2
R 27	510k	1/2
R 28	470k	1/2
R 29, 30	270k	1/2
R 31, 32	1k	1/2
R 33	250 Ω	10
R 34	10k	1/2
R 35	1.5k	2
R 36, 37	22k	1
R 38	1k	10
R 39	25 Ω	10

All resistors $\pm 10\%$

R 7, 9, 15, 17 see "Printed ckt"

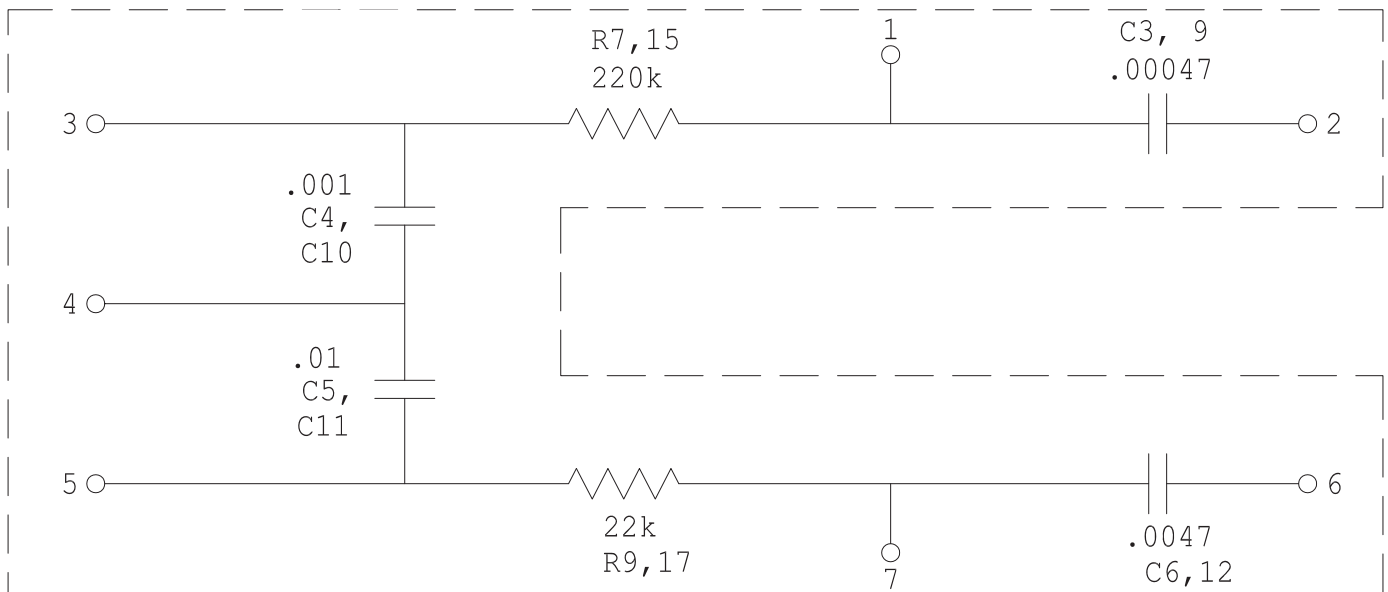
CAPACITORS

Item No.	Rating		Type
	Cap.	Volt	
C 1a,b	40	500	electrolytic
C 2a,b	40	500	"
C 1	.02	400	paper
C 2	.02	400	"
C 7	.02	400	"
C 8	.02	400	"
C 13	25	25	electrolytic
C 14	.02	400	paper
C 15	.02	400	"
C 16	.02	400	"
C 17	50	50	electrolytic
C 18	.05	600	paper

Capacity values given in the rating column are in mfd.

C 3, 4, 5, 6, 9, 10, 11, 12 see "Printed ckt"

PRINTED CKT.



TUBES

Item	Tube	Use
V1	6SL7GT	Voltage amplifier (channel one)
V2	6SL7GT	Voltage amplifier (channel two)
V3	6SL7GT	Phase Inverter
V4	6L6 GC	Audio output
V5	6L6 GC	Audio output

CONTROLS

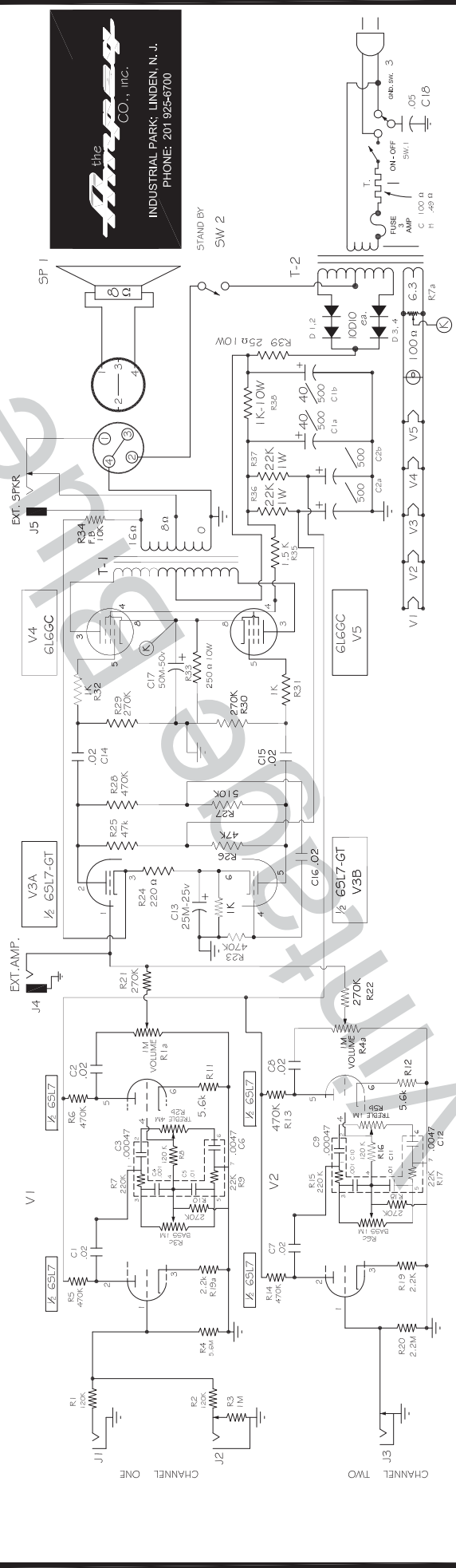
Item No.	Ohms	Type	Use
R 1a	1 mg	Log.	Volume (channel one)
R 2b	4 mg	Lin.	Treble "
R 3c	1 mg	Lin.	Bass "
R 4a	1 mg	Log.	Volume (channel two)
R 5b	1 mg	Lin.	Treble "
R 6c	1 mg	Lin.	Bass "
R 7a	100		Hum pot.

MISCELLANEOUS

Item No.	Notes
J 1	Input jack, open ckt (channel one)
J 2	Input jack, close ckt "
J 3	Input jack, close circuit (channel two)
J 4	Ext. amplifier jack, open ckt
J 5	Ext. speaker jack, close ckt
Fuse	3a 250v
Sw. 1	On-off switch SPST
Sw. 2	Standby switch SPST
Sw. 3	Ground switch SPDT
T	Thermistor (C. 100 ohms, H. .49 ohms)
D 1,2,3,4	10D10 silicon diodes (1000 PIV)



STAND BY SW 2



MODEL B-12NB, B-15NB