

TRADE NAME	Model B-18-N	PORTAFLEX
MANUFACTURER	The Ampeg Co.	Industrial Park Linden, New Jersey
TYPE SET	Bass amplifier (Two channels)	
TUBES	6SL7, 6SL7, 7199, 7027A, 7027A	
POWER SUPPLY	240v A.C. 60 cycles	EXPORT
POWER SUPPLY	117v A.C. 60 cycles	USA
POWER OUTPUT	50 Watts	

TRANSFORMER (AUDIO OUTPUT)

Item No.	Impedance		D.C. Res.		Part No.
	Pri.	Sec.	Pri.	Sec.	
T 1	4.3k	8 ohms	150 ohms	.4 ohm	A-470 or OT-12X
		16 ohms		.7 ohms	

TRANSFORMER (POWER) USA

Item No.	Rating				Part No.
	Pri.	Sec. 1	Sec. 2*	Sec. 3	
T 2	117v A.C. 50/60 cyc.	800v AC ct. 200ma	5v AC 3 A	6.3v AC ct. 5A	PT-109 or PT-12XA

* Sec. 2 not used in B-18-N model

TRANSFORMER (POWER) EXPORT

Item No.	Rating				Part No.
	Pri.	Sec. 1	Sec. 2	Sec. 3	
T 2	240v A.C. 50/60 cyc.	800v AC ct. 200ma	5v A.C. 3 A	6.3v AC ct. 5A	PT-109-240

SPEAKER

Item No.	Rating			Part No.
	Size	Field	V.C. Imp.	
SP 1	18"	P.M.	8 ohms	C-18-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	Pin 9
V1	6SL7		125v	1.3v		190v	2.4v	Fil.	Fil.	
V2	6SL7		125v	1.3v		190v	2.4v	Fil.	Fil.	
V3	7199	390v	135v	70v	Fil.	Fil.	2.3v		100v	84v
V4	7027A	n.c.	Fil.	510v	510v	-55v	-55v	Fil.	o	
V5	7027A	n.c.	Fil.	510v	510v	-55v	-55v	Fil.	o	

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

RESISTANCE READINGS

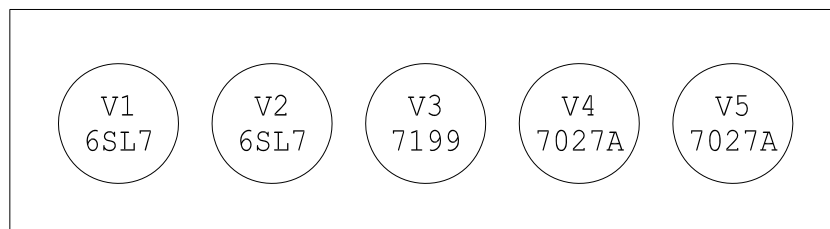
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6SL7	1.1mg	Inf.	2.2k	*	Inf.	5.6k	Fil.	Fil.	
V2	6SL7	0	Inf.	2.2k	*	Inf.	5.6k	Fil.	Fil.	
V3	7199	Inf.	Inf.	150k	Fil.	Fil.	1.5k	&	49k	509k
V4	7027A	n.c.	Fil.	Inf.	Inf.	148k	148k	Fil.	0	
V5	7027A	n.c.	Fil.	Inf.	Inf.	148k	148k	Fil.	0	

* depending on the position of Bass control

& depending on the position of Volume controls

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	2.2k	1/2
R 20	2.2mg	1/2
R 21, 22	270k	1/2
R 23	470k	1/2
R 24	270k	1/2
^ R 25, 26	47k 5%	1/2
R 27	1.5k	1/2
R 28	470k	1/2
R 29, 30	1k	1/2
R 31, 32	100k	1/2
R 33	150k	1/2
R 34	10k	1/2
R 35	39k	1/2
R 36	100k 5%	2
R 37	56k 5%	1/2
R 38	22k	1/2
R 39	25 Ω	10
R 40	1k	2
R 41	22k	1
R 42	10k	1

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

R 25 - 47k 1w

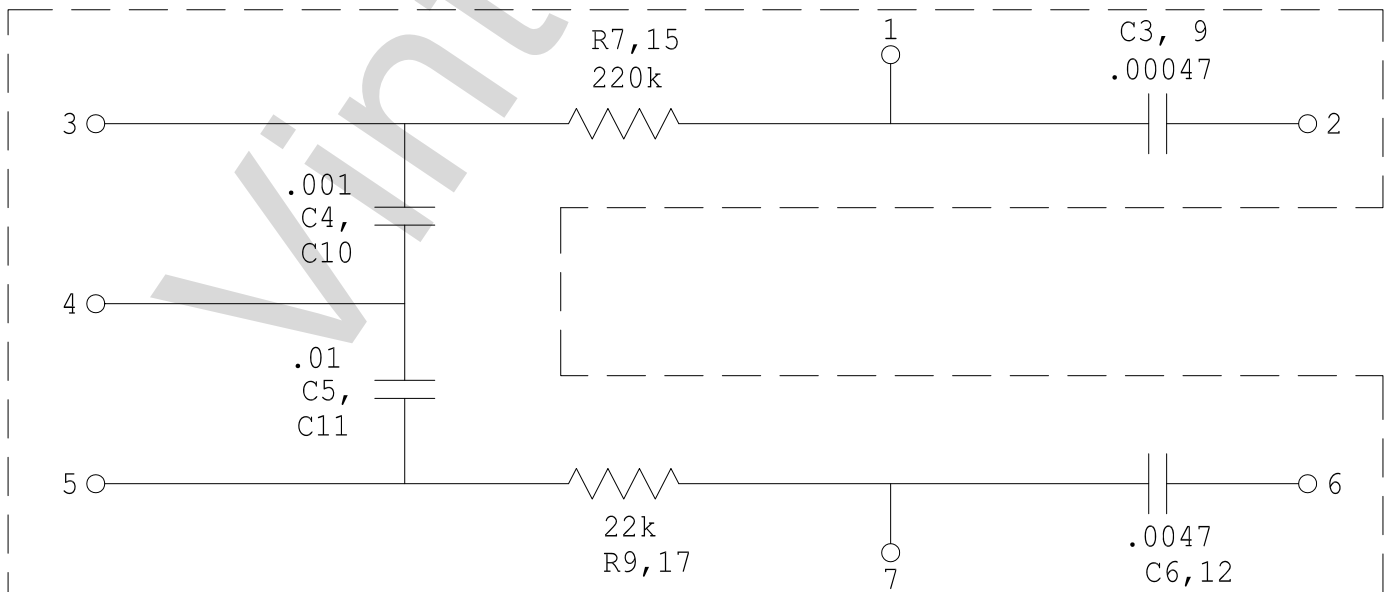
CAPACITORS

Item No.	Rating		Type
	Cap.	Volt	
C 1a,b,c	40	500	electrolytic
C 2a	30	600	"
C 3a	100	150	"
C 1	.02	400	paper
C 2	.02	400	"
C 7	.02	400	"
C 8	.02	400	"
C 13	.02	400	"
C 14	.05	600	"
C 15	.05	600	"
C 16	.05	600	"
C 17	.1	400	"

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

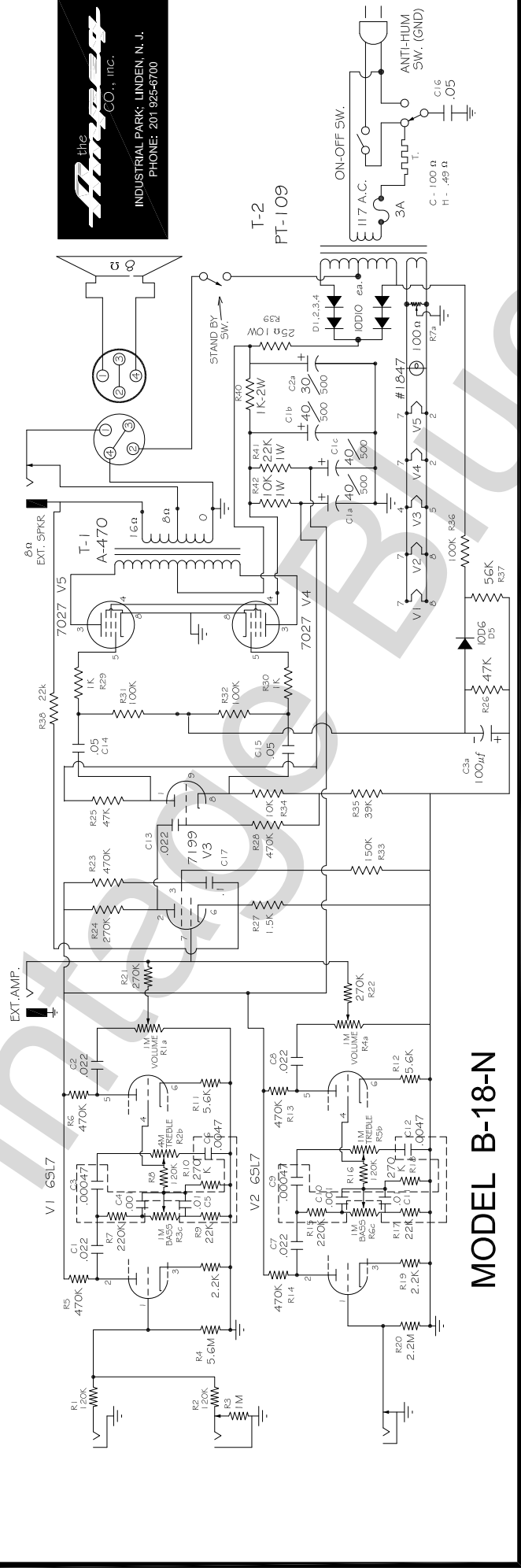
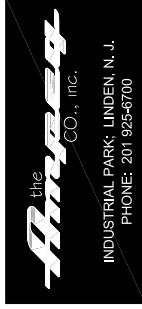
Item	Tube	Use
V1	6SL7GT	Voltage amplifier (channel one)
V2	6SL7GT	Voltage amplifier (channel two)
V3	7199	Phase Inverter
V4	7027 A	Audio output
V5	7027 A	Audio output

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 Ω		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)
D 5	10D6 silicon diode (600 PIV)



MODEL B-18-N

T-2
PT-109

