

Vintage Blue

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| 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 |

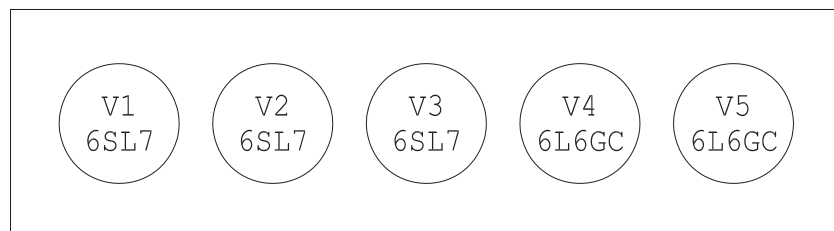
§ depending on the position of Bass control

§§ 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"

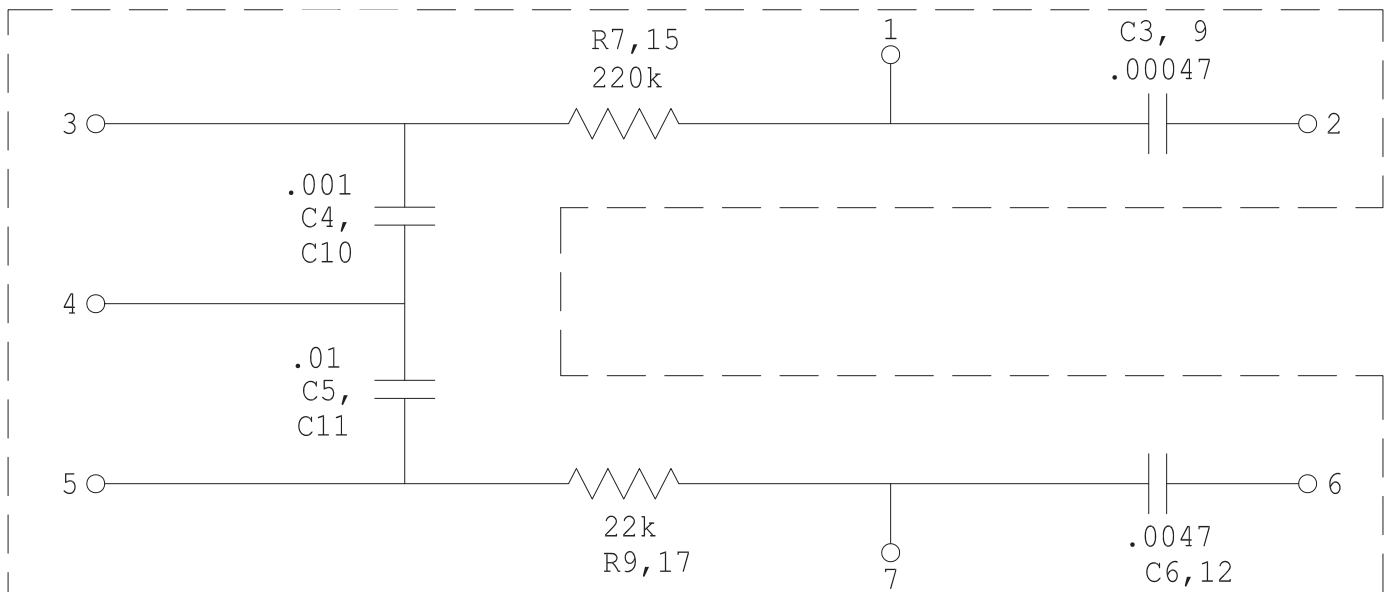
CAPACITORS

| 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

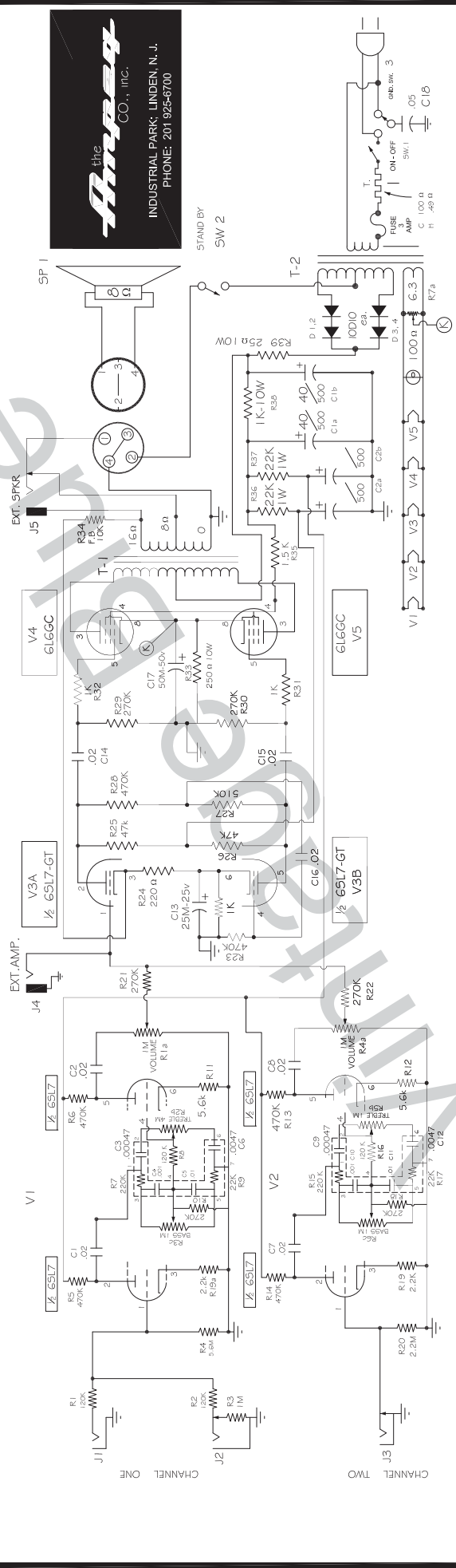
| Item No. | Ohms | Type | Use |
|----------|------|------|----------------------|
| R 1a | 1 mg | Log. | Volume (channel one) |
| R 2b | 4 mg | Lin. | Treble " |
| R 3c | 1 mg | Lin. | Bass " |
| R 4a | 1 mg | Log. | Volume (channel two) |
| R 5b | 1 mg | Lin. | Treble " |
| R 6c | 1 mg | Lin. | Bass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