

SECOND PRINTING  
1968

T E C H N I C A L   D A T A

FOURTH EDITION

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This is the fourth edition in the series of volumes, entitled "TECHNICAL DATA. " This volume covers 1966 and 1967 amplifier models. Combined with previous volumes, this manual provides up-to-date coverage of all amplifier models manufactured by The Ampeg Co., Inc.

The technical information is uniformly presented for quick reference and application. As in previous volumes, the data presented continues to provide the service technician with complete servicing information.

TRADE NAME	Model No. B-12-NF, B-15-NF
MANUFACTURER	AMPEG Co. Industrial Park, Linden, N.J.
TYPE SET	Bass amplifier /two channels/
TUBES	6SL7, 6SL7, 6SL7, 6L6GC, 6L6GC, 5AR4
POWER SUPPLY	117v AC 50/60 cycles Rating 2A USA
POWER SUPPLY	240v AC 50/60 cycles Rating 1A EXPORT
POWER OUTPUT	25 Watts

TRANSFORMER /Audio output/

Part No.	Impedance		D.C. Resistance	
	Pri.	Sec.	Pri.	Sec.
OT-214	6.5k	8 ohms	290 ohms	1 ohm
		16 ohms		1.4 ohms

TRANSFORMER /Power/ USA

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

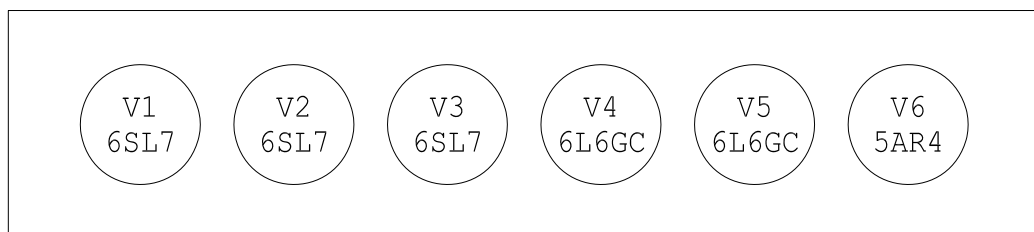
TRANSFORMER /Power/ EXPORT

Part No.	Rating			
	Pri.	Sec. 1	Sec. 2	Sec. 3
PT-108-240	240v AC 50/60 cyc.	750v AC 160ma DC C.T.	5v AC 3A	6.3v AC 5A

SPEAKER B-12-NF, B-15-NF Models

Part No.	Rating		
	Size	Field	V.C. Impedance
C.T.S.	12"	P.M.	8 or 16 ohms
C.T.S.	15"	P.M.	8 or 16 ohms

TUBE LOCATION



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	0v	175v	2v	0v	165v	2.2v	F.	F.
V2	6SL7	0v	175v	2v	0v	165v	2.2v	F.	F.
V3	6SL7	0v	235v	2.4v	0v	225v	2.2v	F.	F.
V4	6L6GC		F.	430v	425v	-50v		F.	0v
V5	6L6GC		F.	430v	425v	-50v		F.	0v
V6	5AR4		430v						430v

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	#	X 250k	2.2k	220k	500k	5.6k	F.	F.
V2	6SL7	#	X 250k	2.2k	0 $\Omega$	500k	5.6k	F.	F.
V3	6SL7	##	X 130k	1.2k	470k	130k	1k	F.	F.
V4	6L6GC		F.	X140 $\Omega$	X950 $\Omega$	318k		F.	0 $\Omega$
V5	6L6GC		F.	X140 $\Omega$	X950 $\Omega$	318k		F.	0 $\Omega$
V6	5AR4		X 0 $\Omega$		60 $\Omega$ *		60 $\Omega$ *		X 0 $\Omega$

- # 0 $\Omega$  to 1mg depending on the position of Volume control
- ## 220k with both Bass controls c.c.w. position  
330k with both Bass controls c.w. position
- \* Standby switch at "ON" position  
156k - Standby switch at "OFF" position

Measured values are from socket pin to common negative, except those marked X are measured from pin 8 of V6-5AR4

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

\*\*\*\*\*

RESISTORS ARE  $\pm 10\%$  1/2 WATT UNLESS SPECIFIED.

\*\*\*\*\*

CAPACITORS, - PAPER AND CERAMIC IN JFD 400v UNLESS SPECIFIED.

TUBES

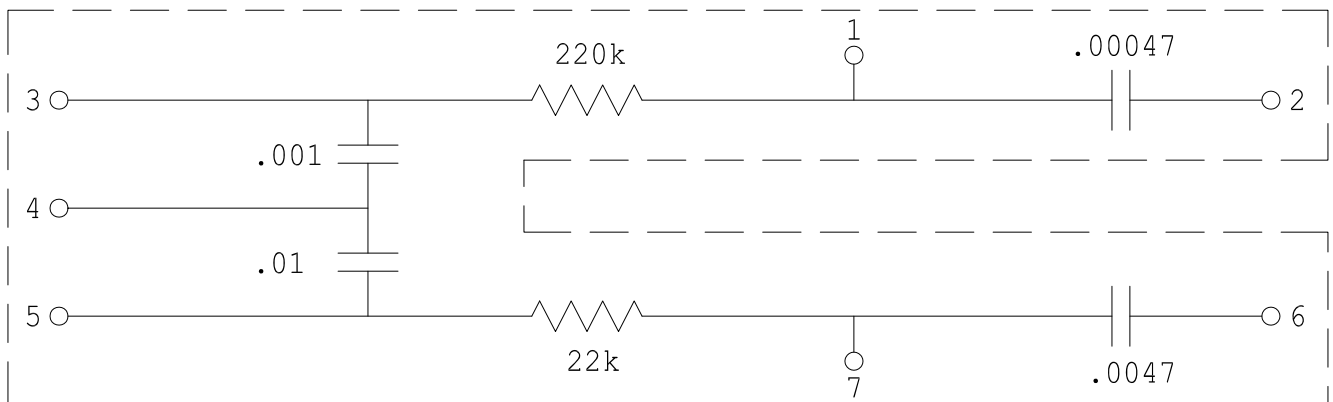
Item	Tube	Use
V1	6SL7	Voltage amplifier /pre-amplifier, ch. one/
V2	6SL7	Voltage amplifier/pre-amplifier, ch. two/
V3	6SL7	Phase Inverter
V4	6L6GC	Audio output
V5	6L6GC	Audio output
V6	5AR4	Rectifier

CONTROLS

Item	Resistance	Type	Watt	Notes
Volume	1 mg	Log.	1/2	
Bass	1 mg	Lin.	1/2	
Treble	1 mg	Lin.	1/2	
Hum	100 ohms	Lin.	2	

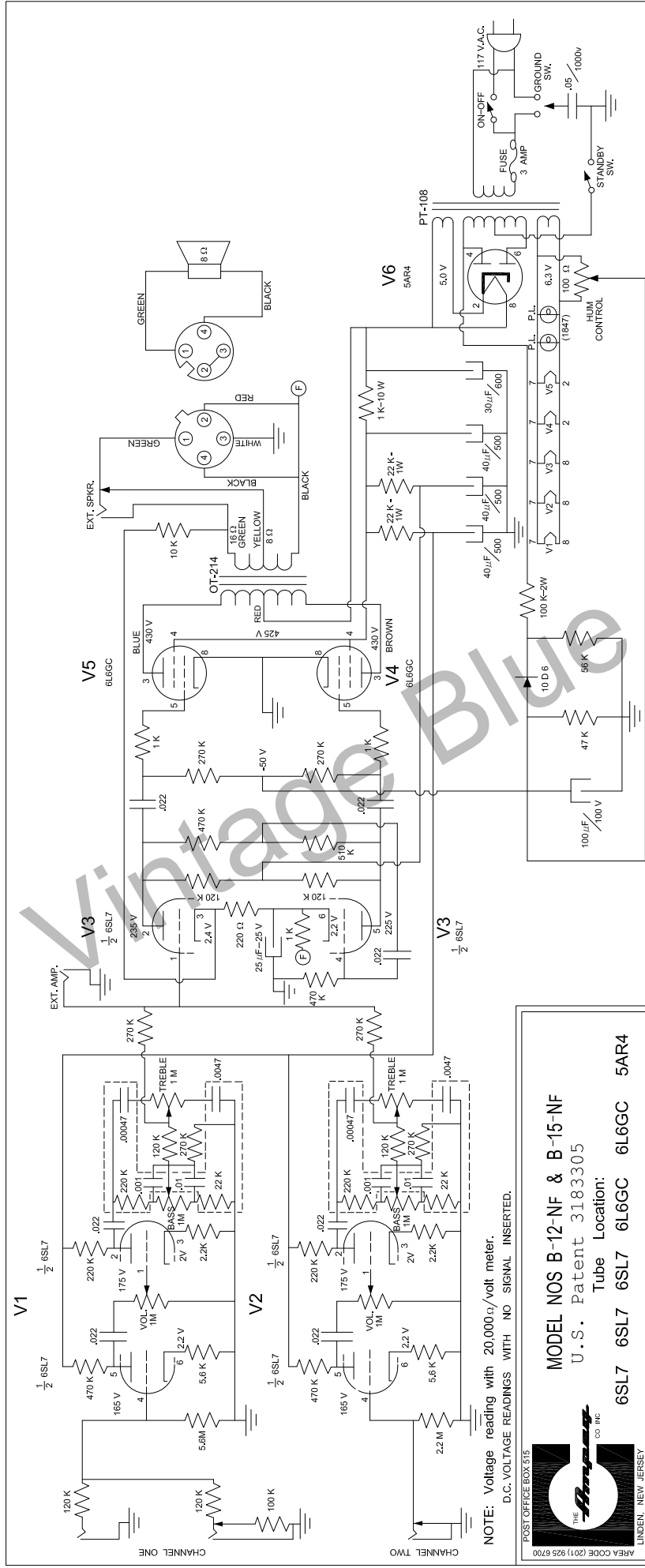
All controls  $\pm 10\%$

PRINTED CKT. /Tone control/




MISCELLANEOUS

Item	Notes
Fuse	AGC 3 amp. 250v
On-Off	Power switch SPST 250v 3 Amp. 117v 6 Amp.
Standby	Standby switch SPST 250v 3 Amp. 117v 6 Amp.
Ground sw.	Polarity switch SPDT 250v 3 Amp. 117v 6 Amp.
P.L.	Pilot light 6.3v AC # 1847
Guitar jack	Input jack, open ckt. /channel one/
Bass jack	Input jack closed ckt. "
Inst. jack	Input jack, closed ckt. /channel two/
	Ext. amplifier jack, open ckt.
	Ext. speaker jack, closed ckt.
10D6	Silicon diode 600 PIV 1 Amp.



Vintage Blade

NOTE: Voltage reading with 20,000Ω/volt meter.  
 D.C. VOLTAGE READINGS WITH NO SIGNAL INSERTED.

  
 THE Ampway CO INC  
 POST OFFICE BOX 515  
 LINDEN, NEW JERSEY  
 RFCA CODE (201) 925 6700

**MODEL NOS B-12-NF & B-15-NF**  
 U.S. Patent 3183305  
 Tube Location:  
 6SL7 6SL7 6SL7 6L6GC 6L6GC 5AR4