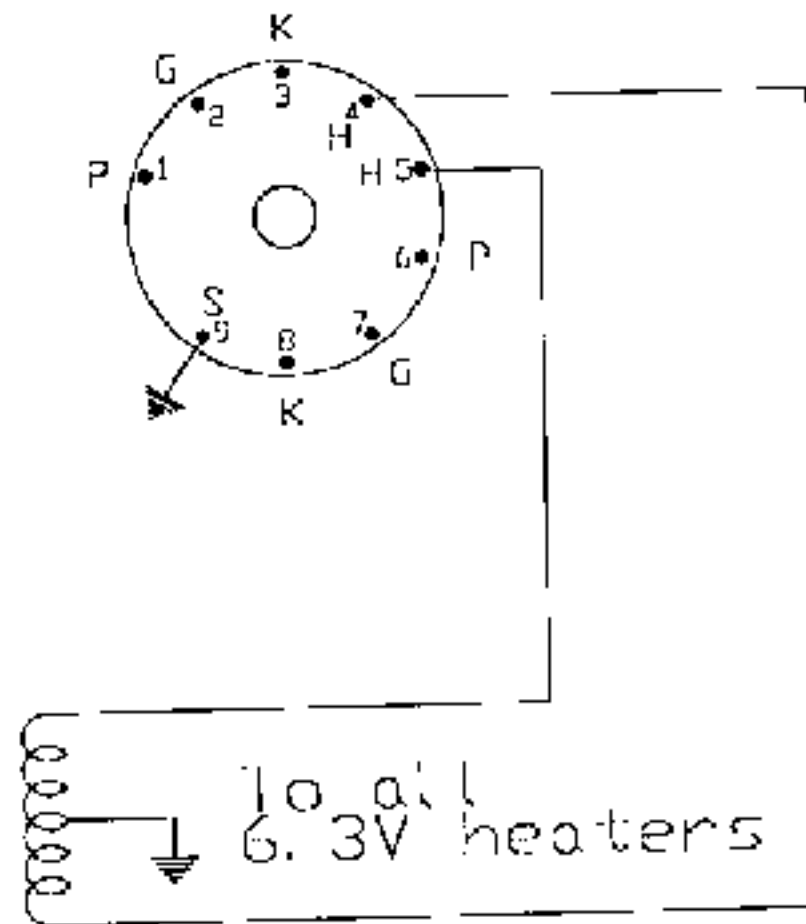
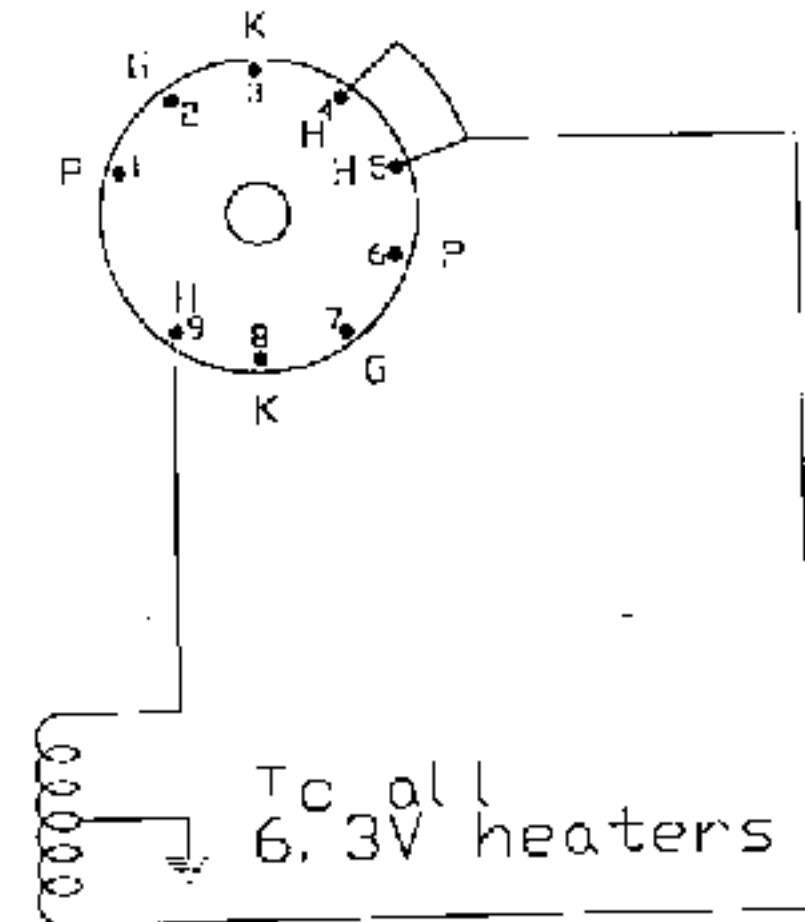


6N2P-LV



12AX7



## LEGEND:

P = PLATE  
 G = GRID  
 K = CATHODE  
 H = HEATER  
 S = SHIELD

OK to Print *[Signature]*

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GIBSON GUITAR CORP.  
 1818 ELM HILL PIKE  
 NASHVILLE, TN 37210  
 (615) 871-4500

DESCRIPTION: PRE-AMP TUBE CONVERSION		
SCALE:	DATE: 8/11/95	MATERIAL:
DRAWN: R. AKERS	CHK: J. T. R.	PART NO. DIA-TUBC



# VALVE VOLTAGE CHART

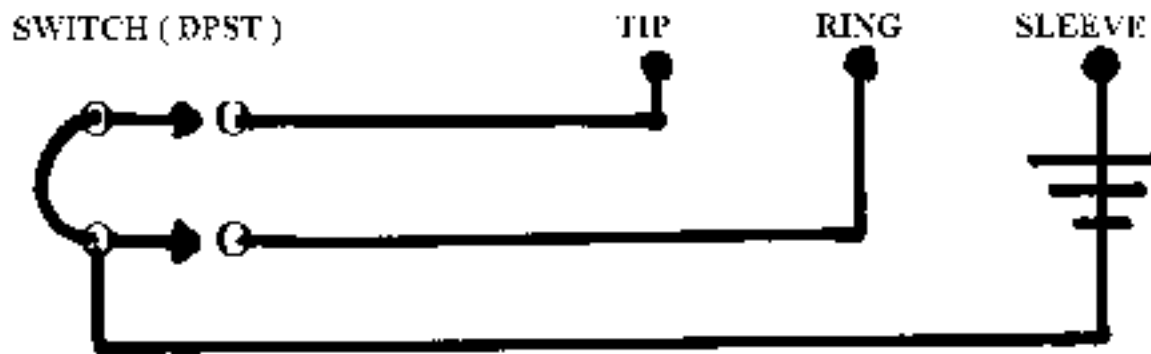
AMP MODEL: RED BEAR CUB COMBO

OUTPUT WATTAGE: 50

	VALVE TYPE	PIN #1	PIN #2	PIN #3	PIN #4	PIN #5	PIN #6	PIN #7	PIN #8	PIN #9
1	6N2P-EB	193	0	1.7	H	H	207	0	2.13	0
2	6N2P-EB	263	148	149	H	H	208	0	2.13	0
3	6N2P-EB	193	0	1.6	H	H	264	18.5	48.6	0
4	6N2P-EB	277	105	160	H	H	272	111	160	0
5	5881	0	H	429	430	-43	0	H	0	
6	5881	0	H	429	430	-43	0	H	0	

Note: All voltages measured to ground under no signal condition.

**REDBEAR FOOTSWITCH SCHEMATIC / WIRING DIAGRAM**



HARD WIRE WITH 18' 2 CONDUCTOR SHIELDED CABLE USE 1/4" MALE  
TIP /RING / SLEEVE PLUG

May 12, 1995 RedBear 1818 ELM HILL PIKE, NASHVILLE, TN 37210

ATT: CHRIS CLARY (615) 871-4500 ext 463 FAX (615) 872-7768





V4 - V7 ARE 6N3CE

# OUTPUT TRANSFORMER

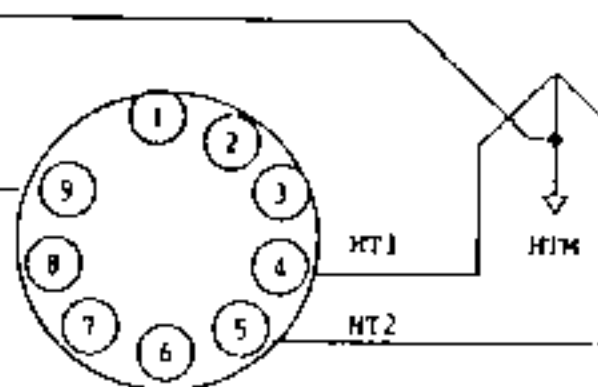
## TURNS RATIO

10.6 : 1 @ 16 OHMS  
15 : 1 @ 8 OHMS  
21.2 : 1 @ 4 OHMS

APPROX. PLATE TO PLATE IMPEDANCE  
21,800 OHMS (ALL 4 POWER TUBES)

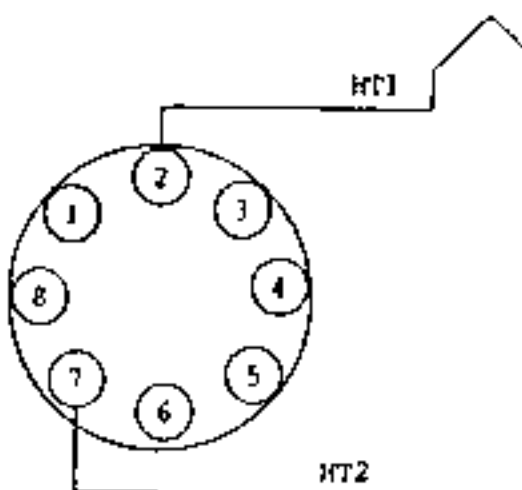
FEEDBACK

V1 - V3 ARE 6N2P



BOTTOM VIEW OF 6N2P

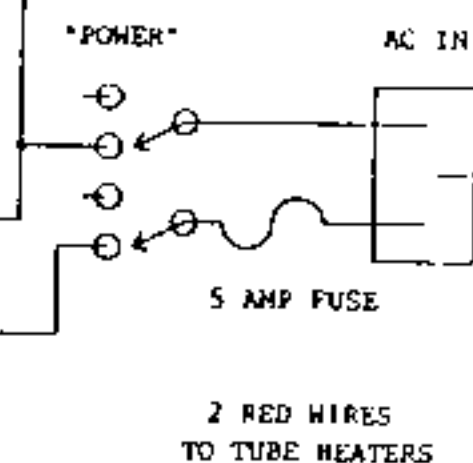
V4 - V7 ARE 6N3CE



BOTTOM VIEW OF 6N3CE

TO TUBE HEATERS

HT1 HT2



TITLE		RED BEAR MK120	
DATE	DESIGNED BY	DATE	DESIGNED BY
10/1/54	GARFIELD STERN	10/1/54	GARFIELD STERN
10/1/54	10/1/54	10/1/54	10/1/54
10/1/54	10/1/54	10/1/54	10/1/54

D

D

C

B

A

THIS LINE IS  
ADMITTED TO ALL  
KNOWLEDGE FILE A

8

7

6

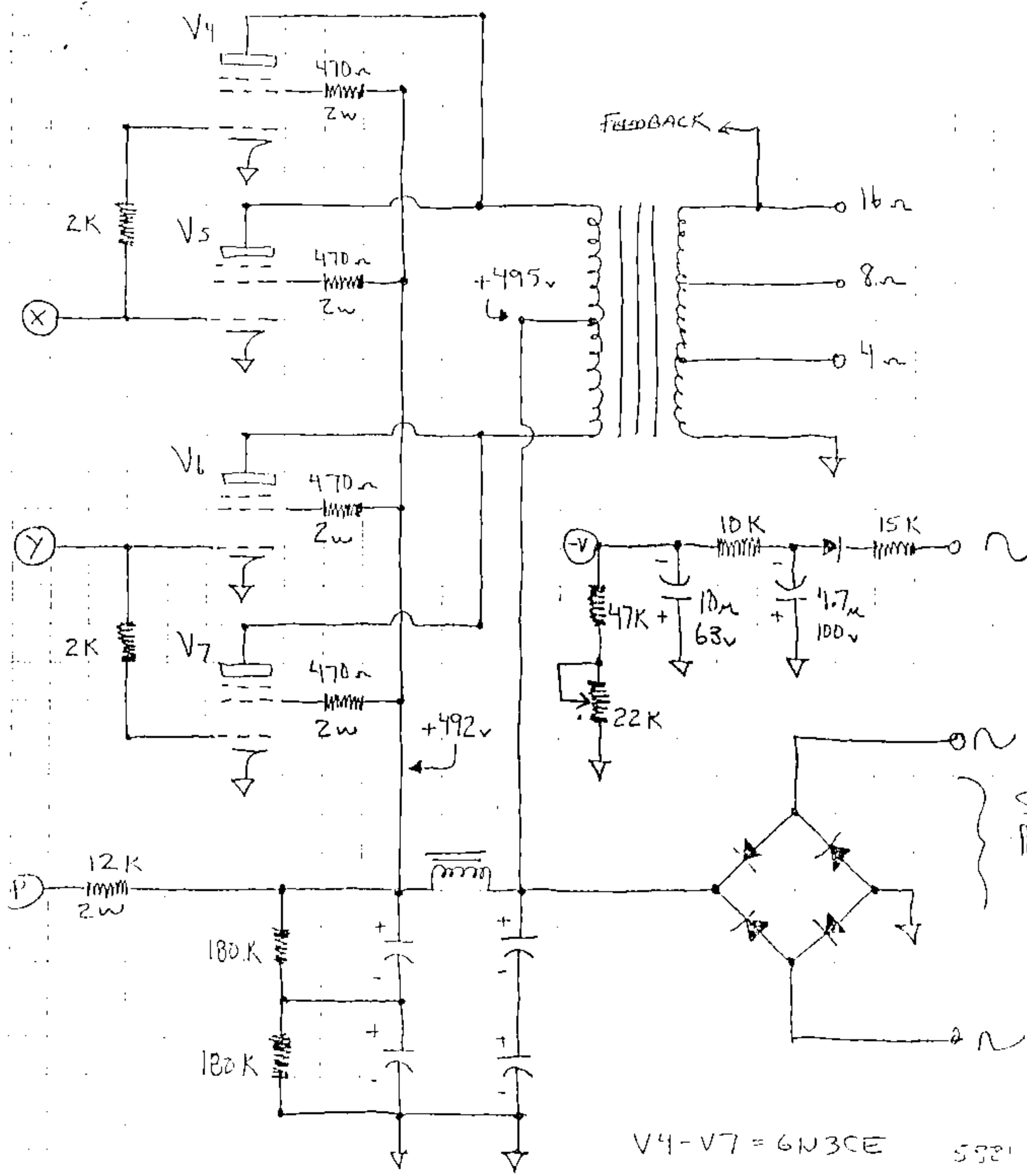
5

4

3

2

1



OUTPUT TRANSFORMER

TURNS RATIO

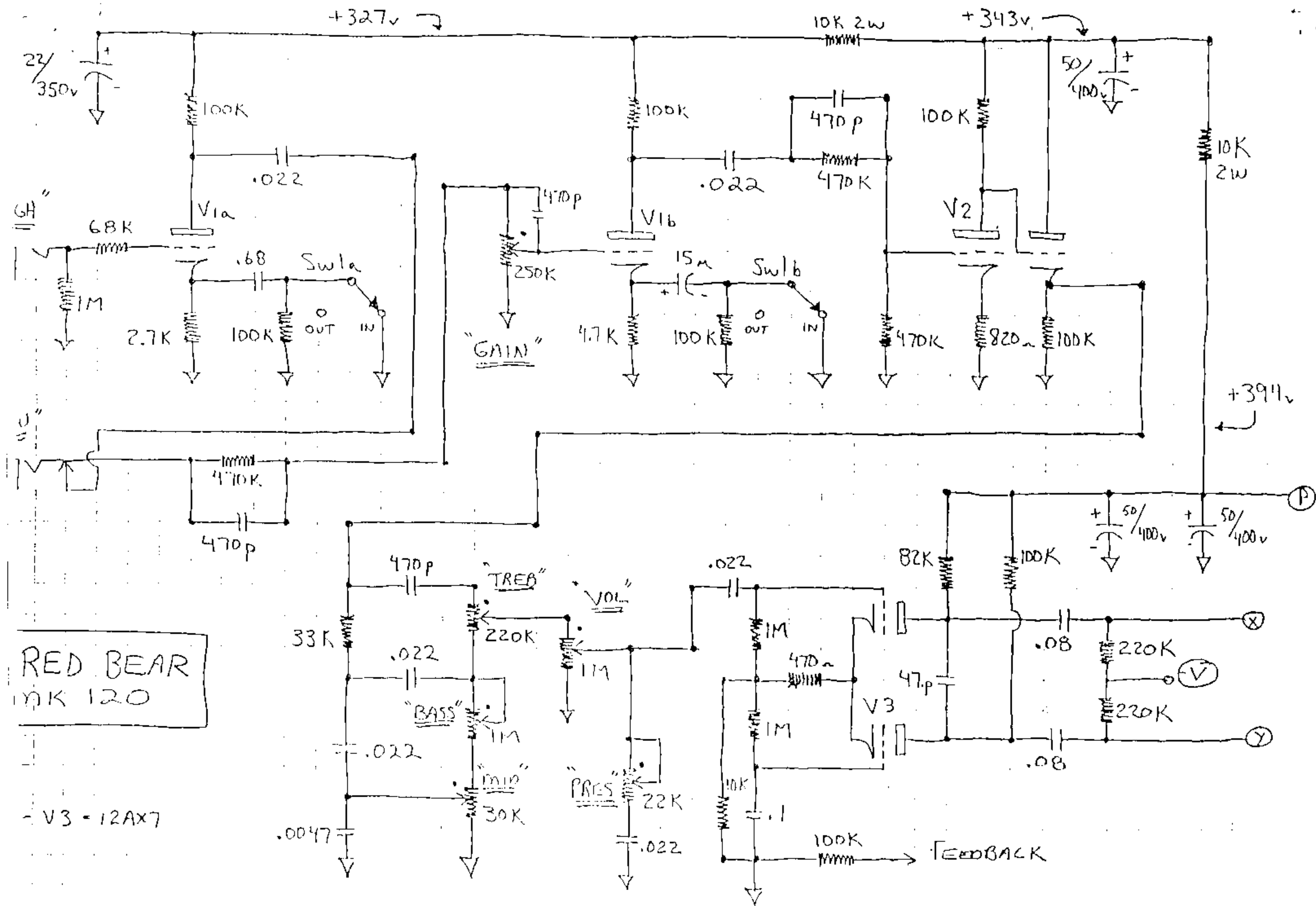
10.6 : 1 @ 16Ω  
 15 : 1 @ 8Ω  
 21.2 : 1 @ 4Ω

APPROX. PLATE TO PLATE IMPEDANCE  
 ≈ 1,800Ω (ALL 4 POWER TUBES)

STANDARD  
 POWER HOOKUP

RED BEAR  
 MK 120

V4-V7 = 6N3CE 5321





NOTE:

\* = 5AMP FUSE IN MK 120 or 4AMP FUSE IN MK 60

+ = 1AMP FUSE IN MK 120 or 1/2AMP FUSE IN MK 60

