

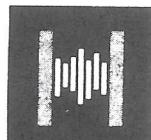
SERVICE MANUAL

HAMMOND GRAND

Part 3

100

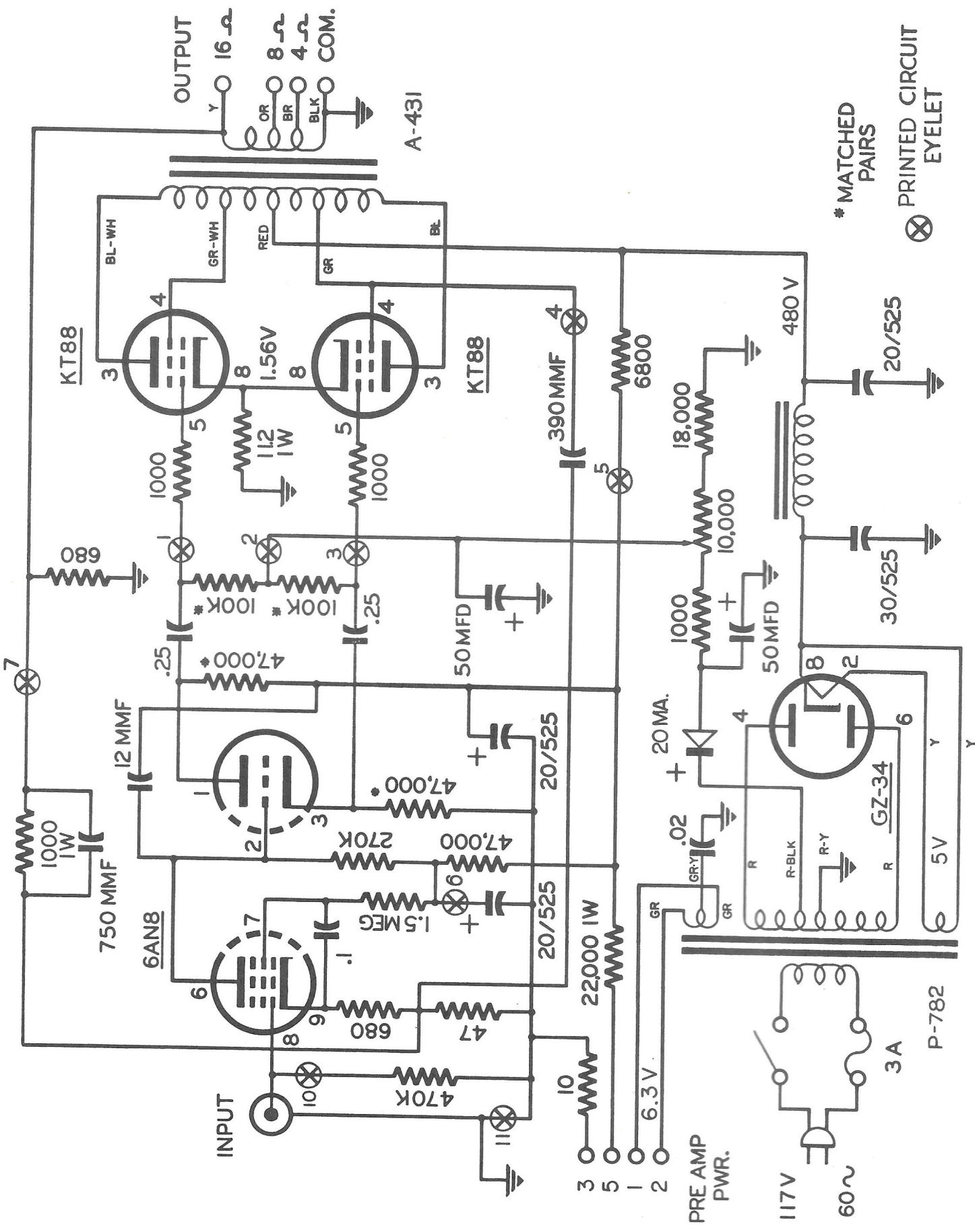
H0-5502



HAMMOND ORGAN COMPANY
DIVISION OF HAMMOND CORPORATION

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DYNAKIT MARK III 60 WATT POWER AMPLIFIER



Voltage Check Points

Voltages have been measured with a vacuum tube volt meter. If a meter of lower impedance is used, some of the measurements will result in lower readings than those shown.

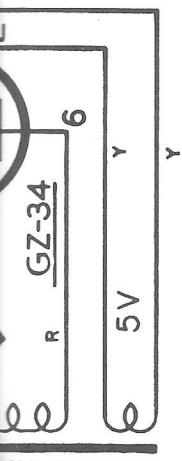
Pin #	Either KT-88	GZ-34	6AN8
1	1.56	0	*
2		490	*
3	475	0	*
4	475	430 ac	*
5	-55 **	0	
6	-55 **	430 ac	*
7		0	*
8	1.56	490	0
9	--	--	1.0

Eyelet #4 475 - Eyelet #5 445 - Eyelet #6 380

- * Minor variations in current drain of the 6AN8 tube will cause large changes in electrode voltages without detrimental effect on performance. Therefore, voltage checks are not applicable at these points.
- ** Do not make measurements at these points with other than a vacuum tube volt meter. Variations up to 20% do not indicate malfunctioning as long as readings at both tubes are the same.

PAIRS
PRINTED CIRCUIT
EYELET
20/525

30/525



3 A
P-782

FIGURE 24 AO-59-1 Dynakits

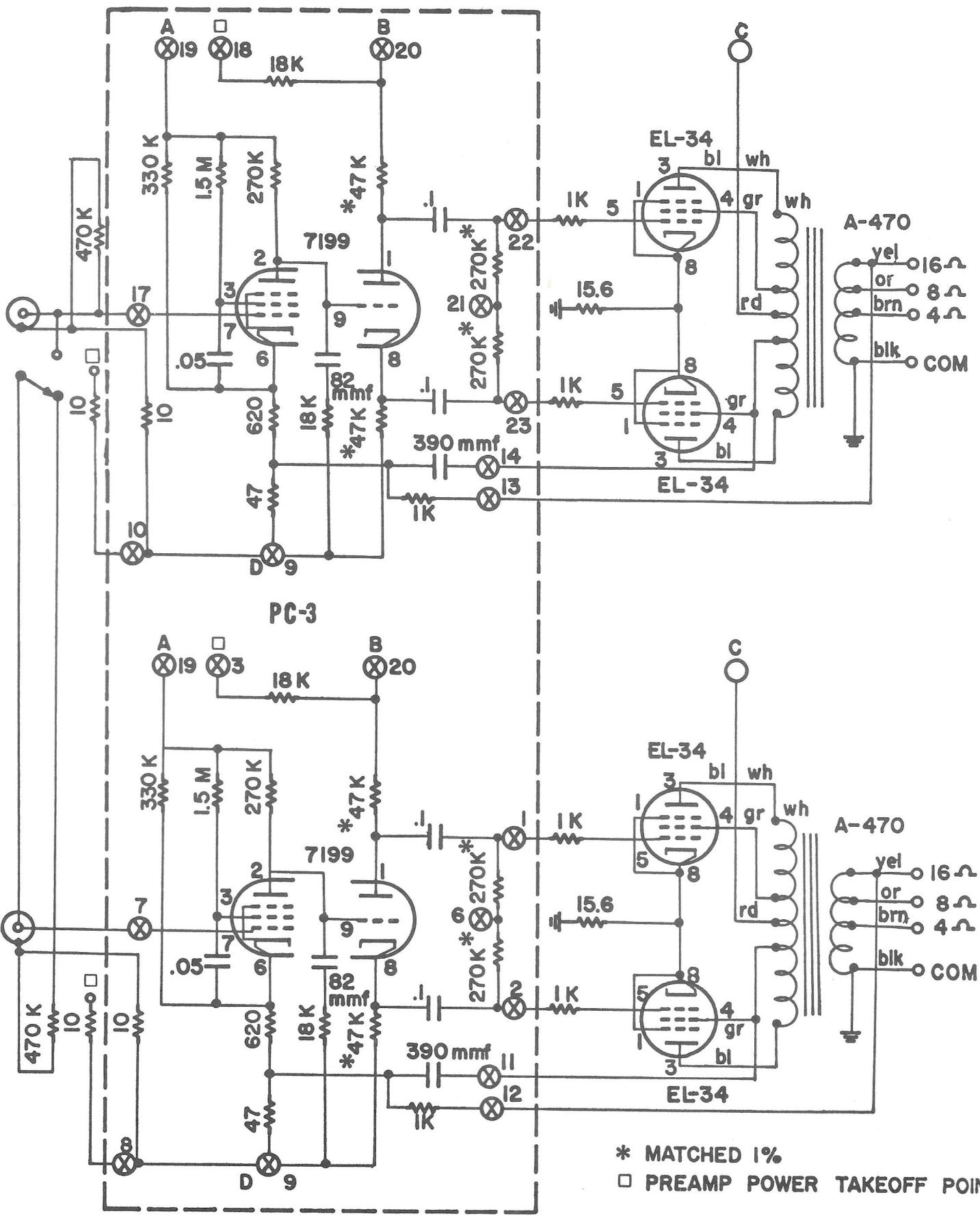


FIGURE 25 AO-58-1 Dynakits

VOLTAGE TEST POINTS

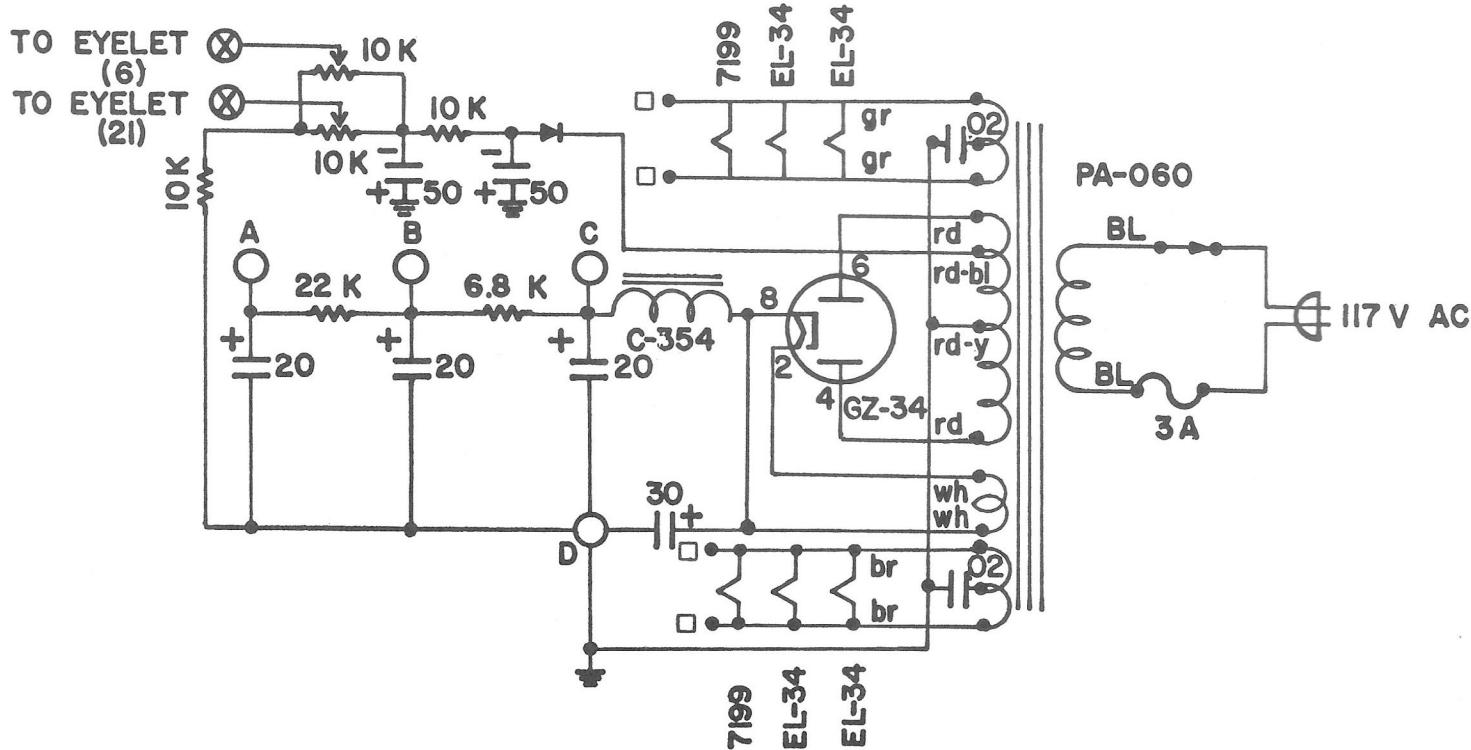
Pin #	Any EL-34	GZ-34	Either 7199	Capacitor lug #
1	1.56	-	*	1 415
2	410	435	*	2 435
3	415	360 ac	*	3 305
4	-32**	-		4 375
5	6.4 ac		6.4 ac	
6	-32**	360 ac	1.0	
7		-	0	Selenium rectifier
8	1.56	435	*	Bottom (+) lug 50 ac
9	-	-	*	Top (-) lug -65 dc

*Measurements at these points vary from tube to tube and do not indicate whether performance is normal.

**Measurements at these points can only be made with a vacuum tube voltmeter. The two tubes in a pair should have identical readings.

Printed circuit

Eyelets #3 and #18
(no preamp connected)
370 volts dc



6Ω
3Ω
4Ω
COM

16Ω
8Ω
4Ω
COM

POINTS

60 WATT POWER AMPLIFIER

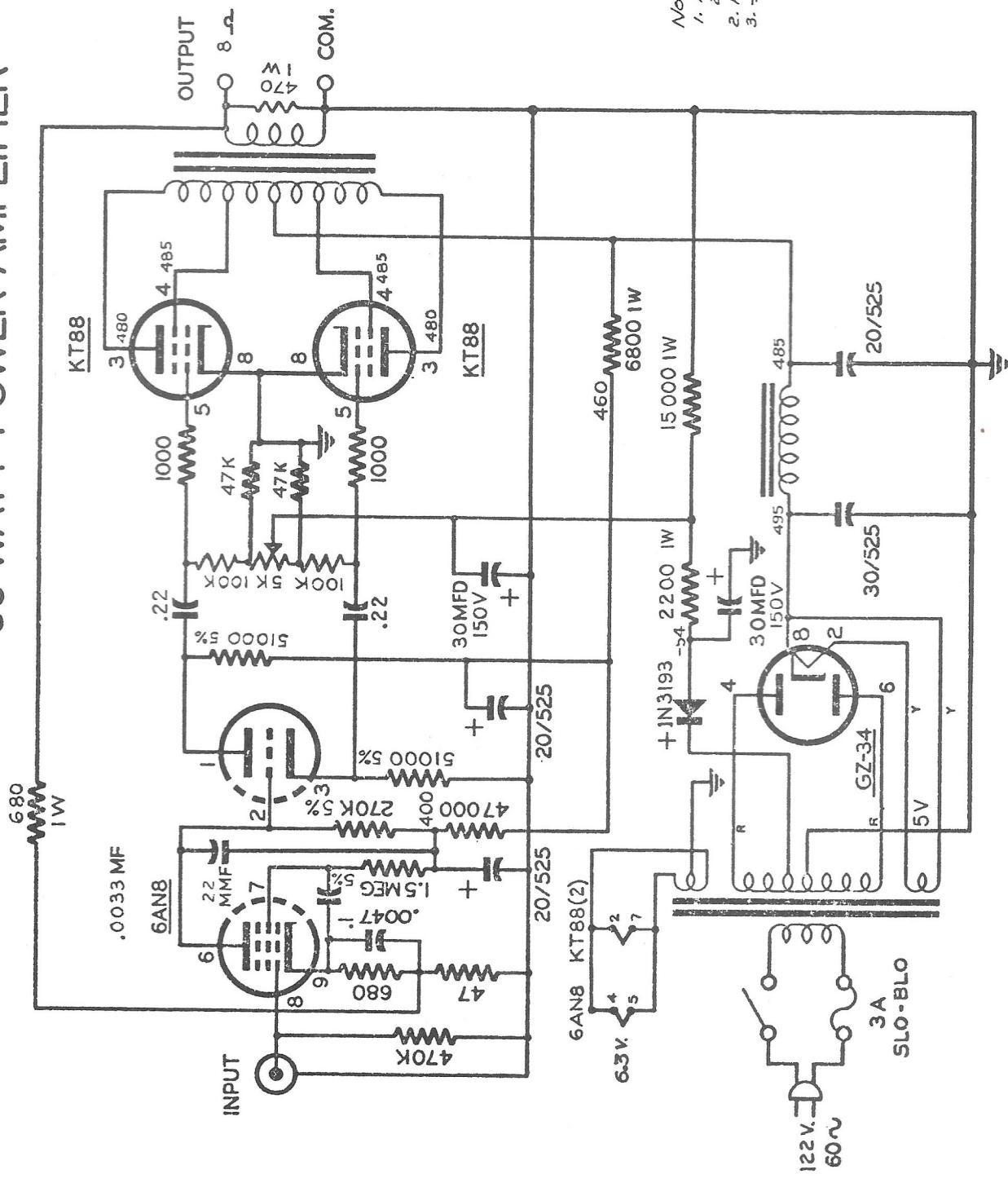


FIGURE 26. Monaural Output Amplifier Model - AO-59-1

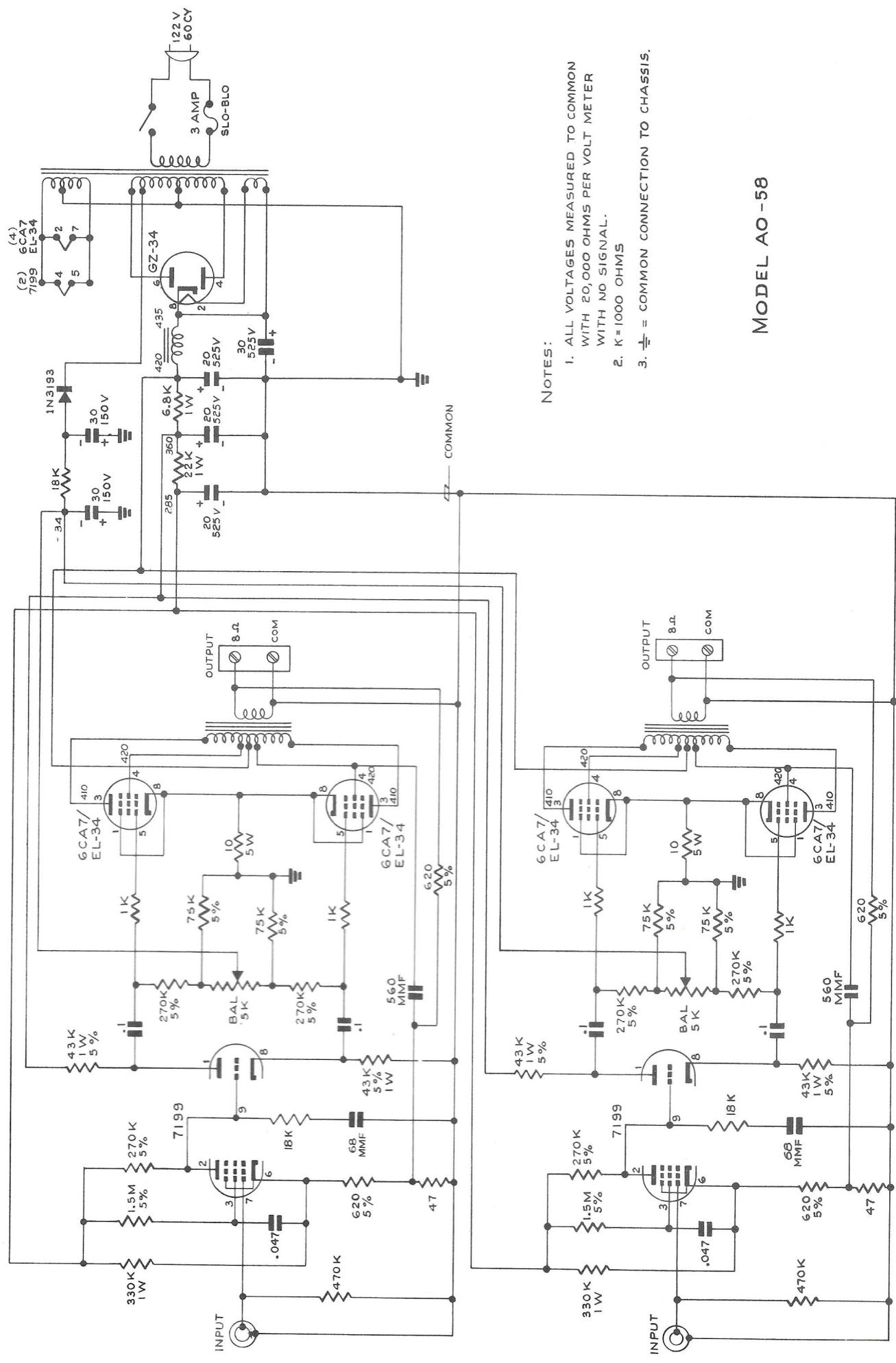


FIGURE 27 Stereo Output Amplifier Model - AO-58-1