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Brand:	Farfisa
Model	Matador-M
Product:	Organ
Description:	Schematic

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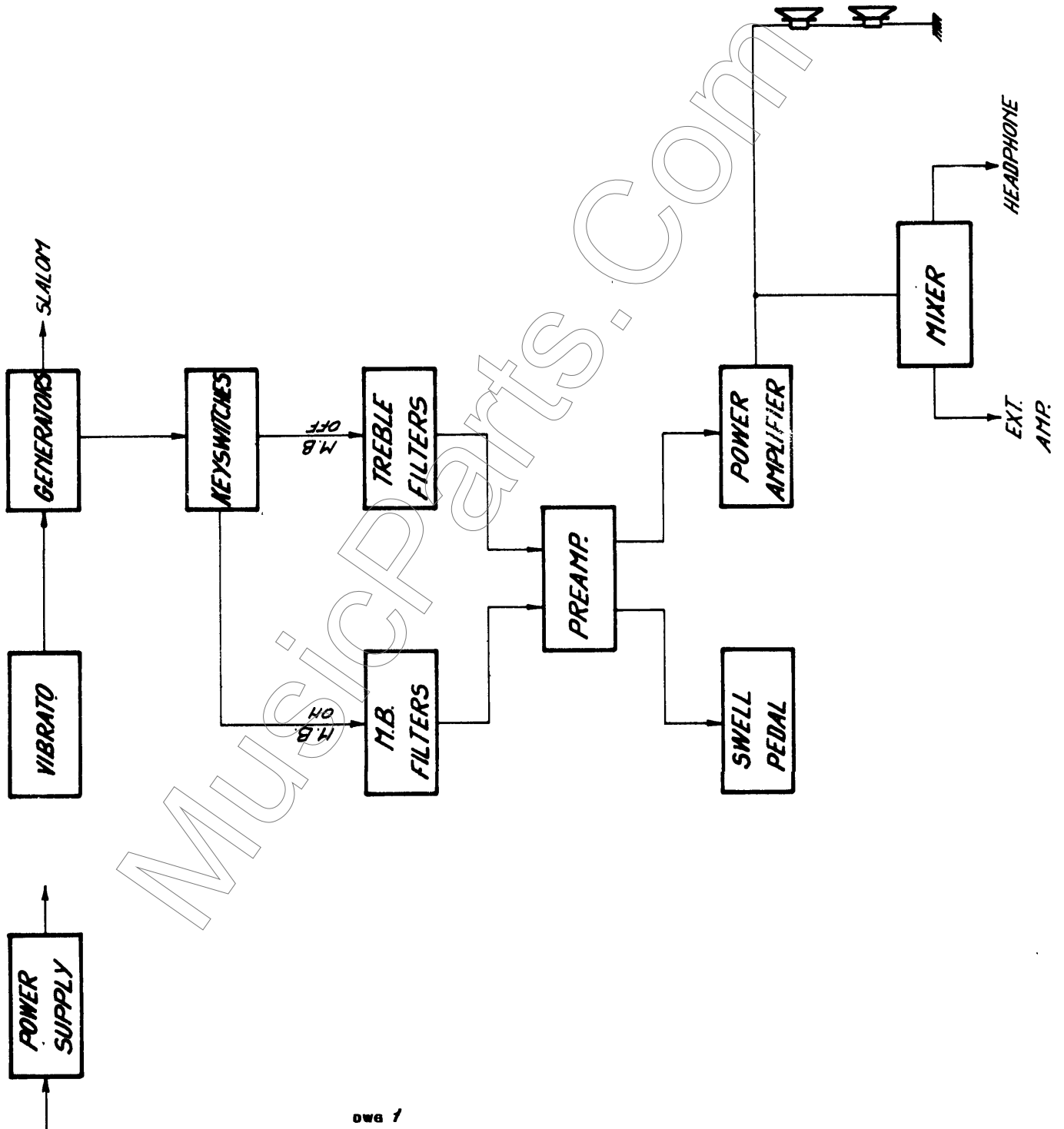
E F A R F I S A

ELECTRONIC ORGAN




matador-m

SCHEMATIC DIAGRAMS

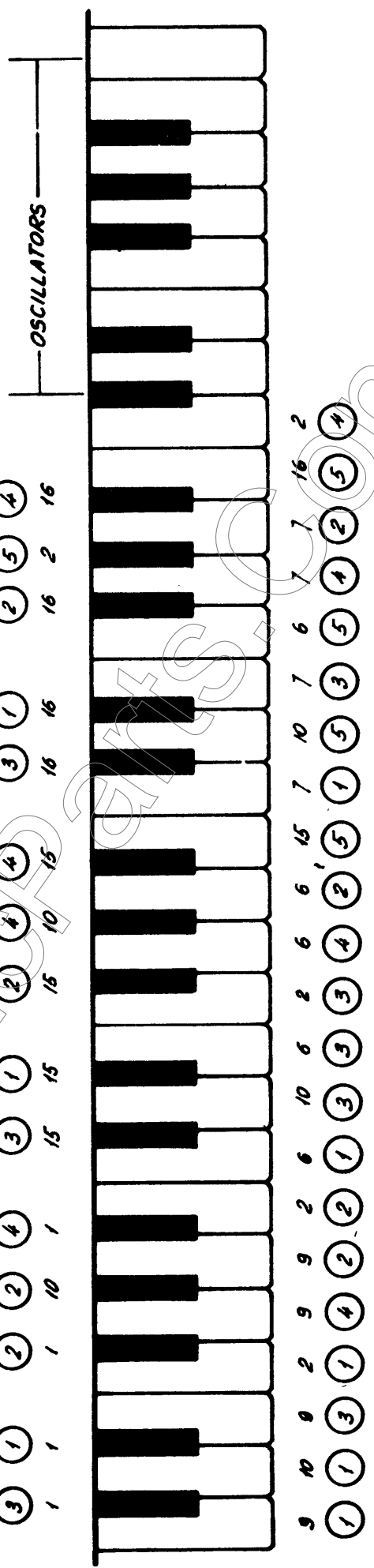
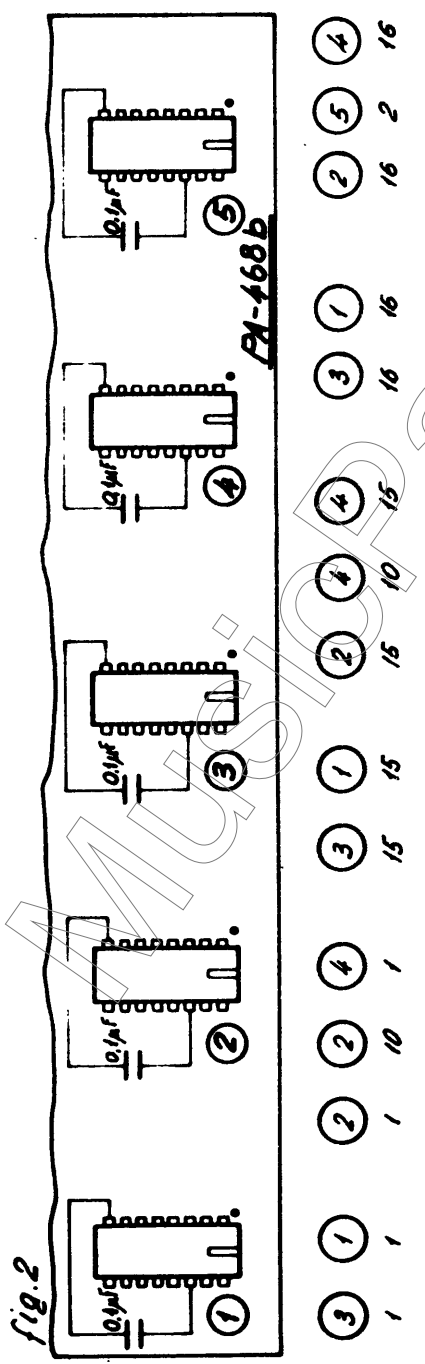
BLOCK DIAGRAM




dwg 1

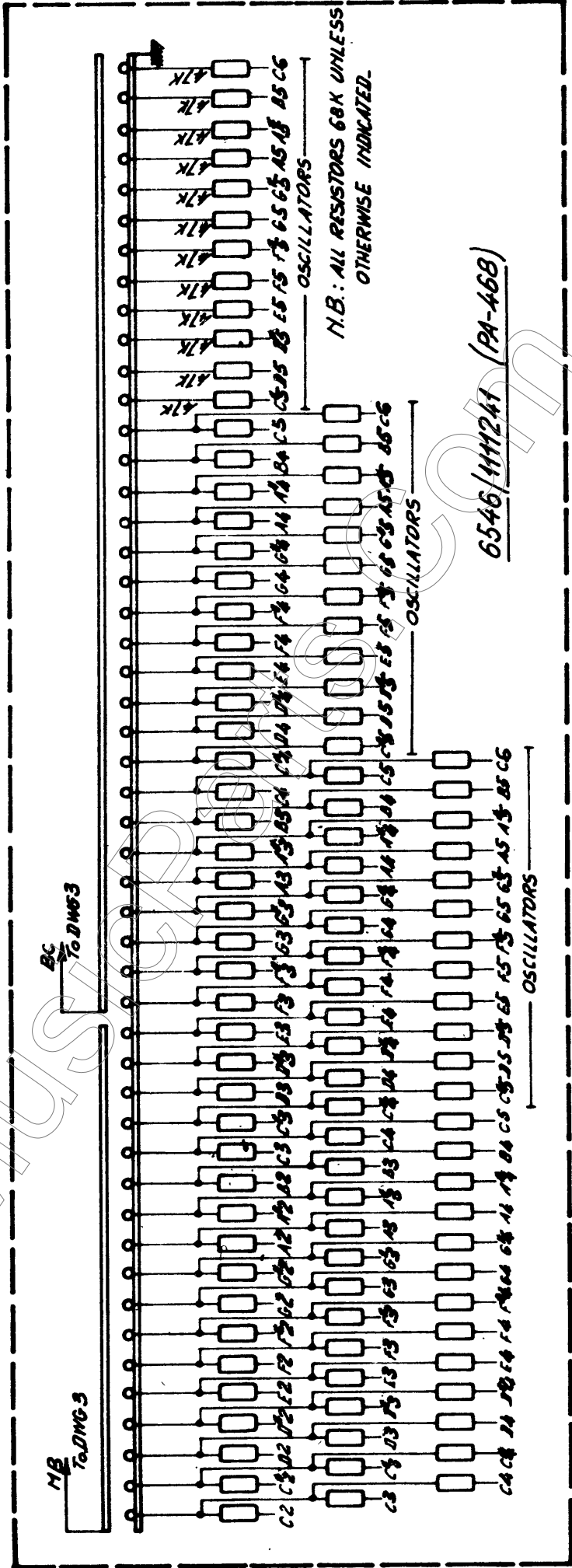
MOD.	MATADOR "M _H		SERIAL No				
	CODE	DRAWN BY	REVISION	VARIATO			
	SE-183	 CHECKED BY 	DATE	PLIMENT.			
				23-11-73			

NOTES: 1) The tone generator of the keyboard notes are indicated with two numbers. The circled number, that appears also on the printed circuit board PA-168B indicates the integrated circuit. The second number indicates the integrated circuit pin as shown in figures 1 and 2.




OWB 2

MOD. MAIADOR "M"	SERIAL No	
CODE SE-183	REVISION	VARIATO PLUMET.
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	CHECKED BY U. S. I. O. H.	



DWG 2

	MOD. MATADOR "M"	SERIAL No	
	CODE SE-183	REVISION	VARIATION
	CHECKED BY	DATE	
	APPROVED BY	DATE	23-1-73

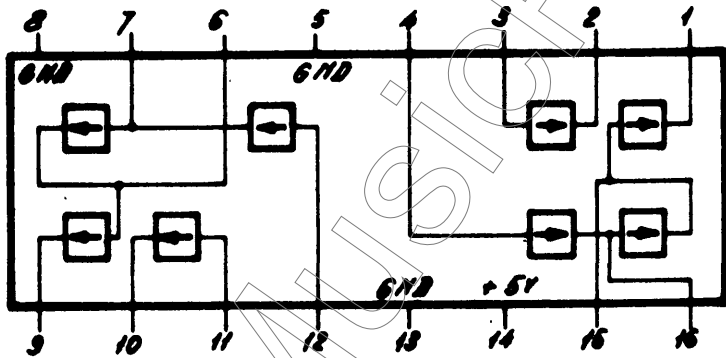
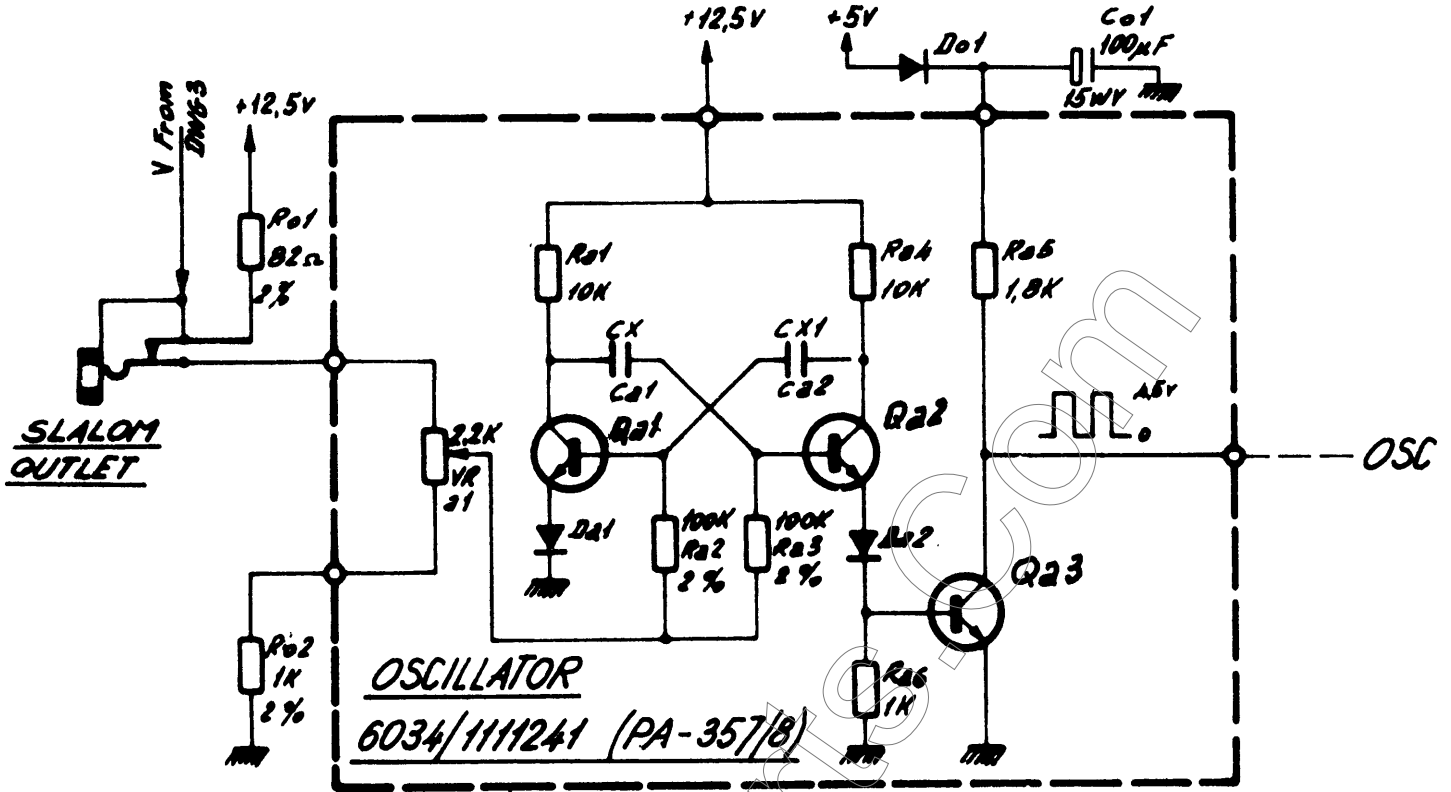
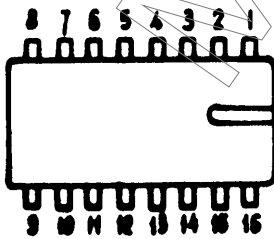


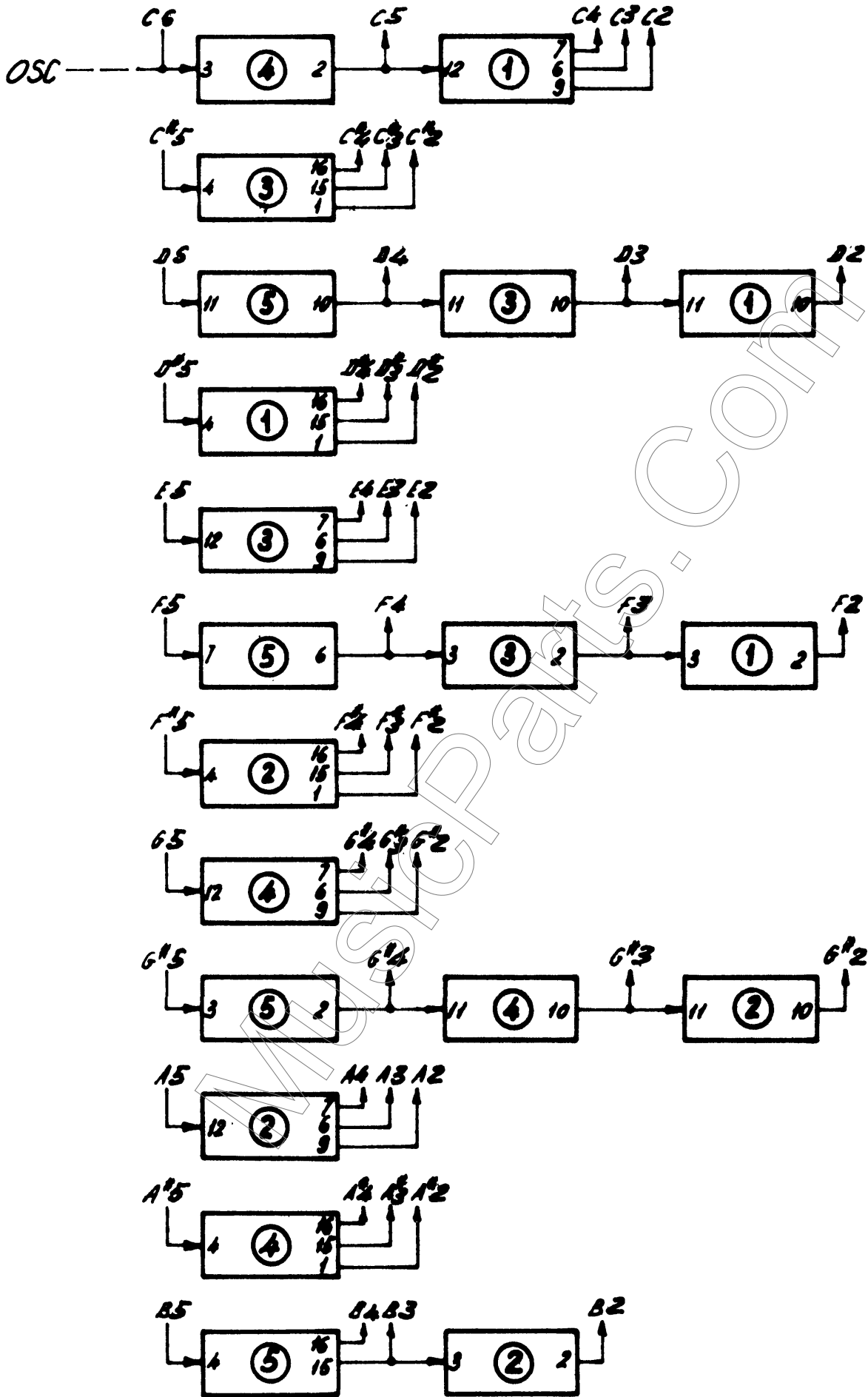
fig. 1



NOTE	FREQUENCY Hz	CX-CX1 PF
DO [#] C [#]	554	11800
RE [#] D [#]	587	11150
RE [#] D [#]	622	10500
M1 E [#]	659	9915
FA F [#]	698	9370
FA [#] F [#]	740	8830
SOL G [#]	784	8335
SOL [#] G [#]	830	7875
LA A [#]	880	7425
LA [#] A [#]	933	7000
SI B [#]	988	6615
DO C [#]	1046	6250

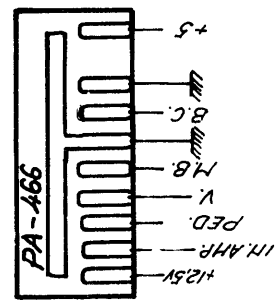
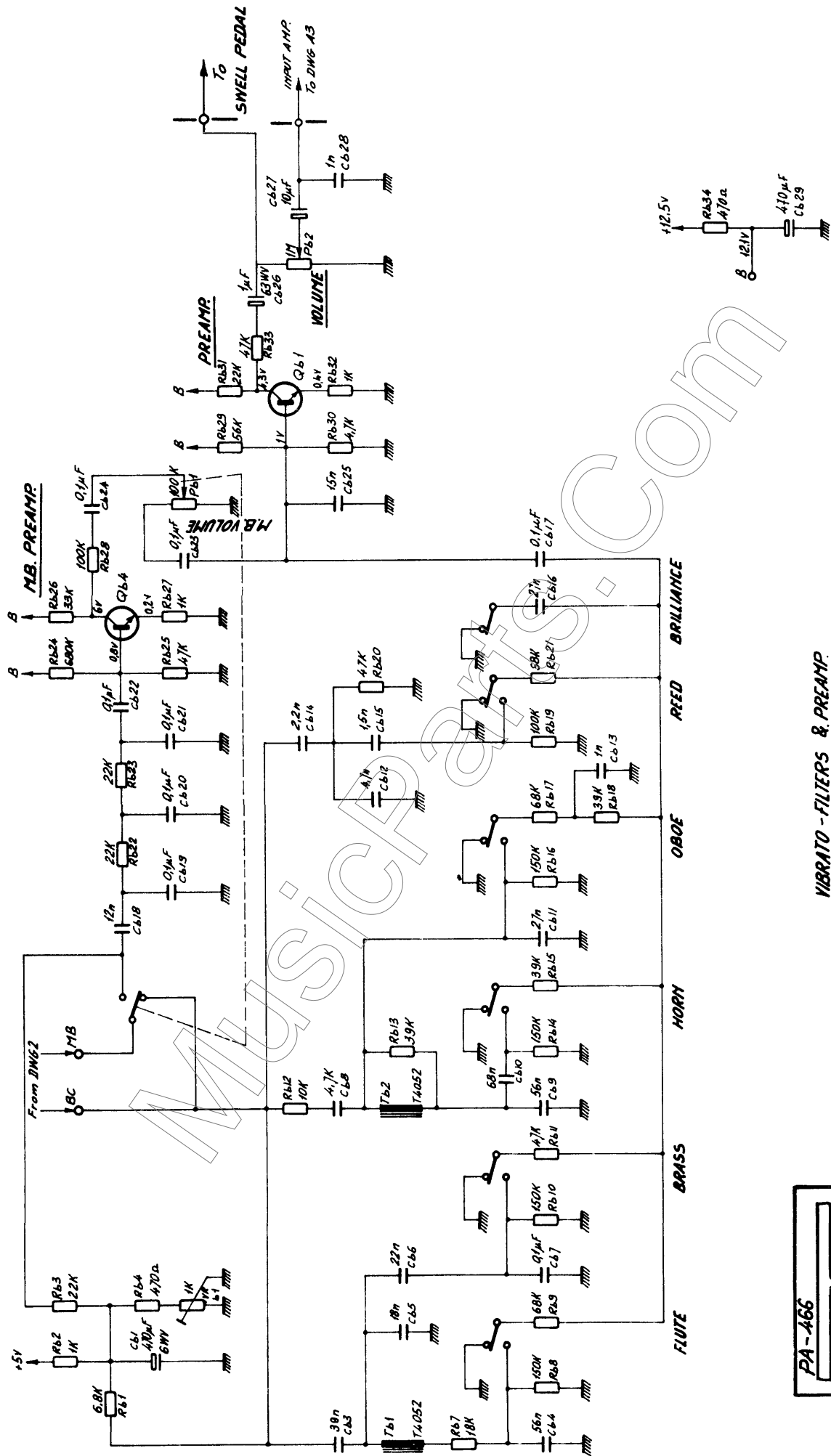
OWB 2

MOD. MATADOR "M _u "		SERIAL No			
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DWG 2

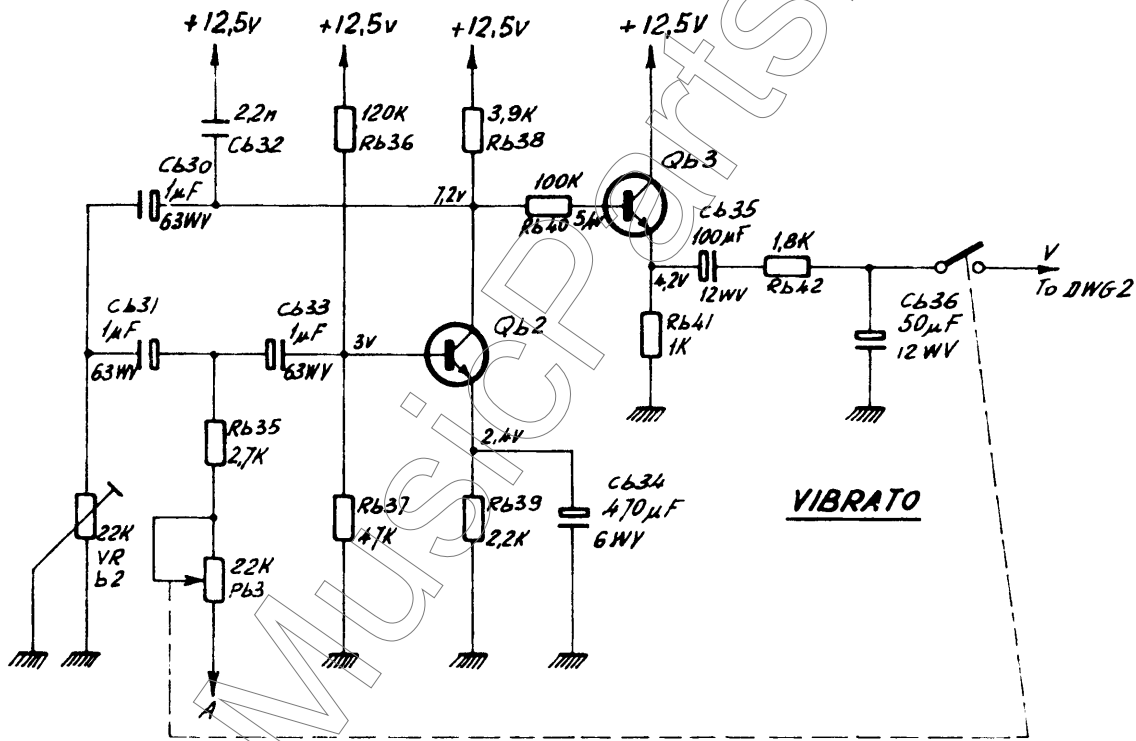
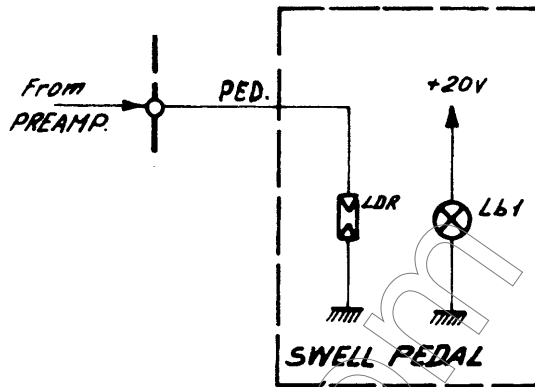
MOD. MATADOR "M II"		SERIAL No	VAZIATO	
CODE SE-183		REVISION	ALHENC	
		DATE	23-1-73	
		DRAWN BY	CHECKED BY	




VIBRATO - FILTERS & PREAMP
6547/111241 (PA-501)

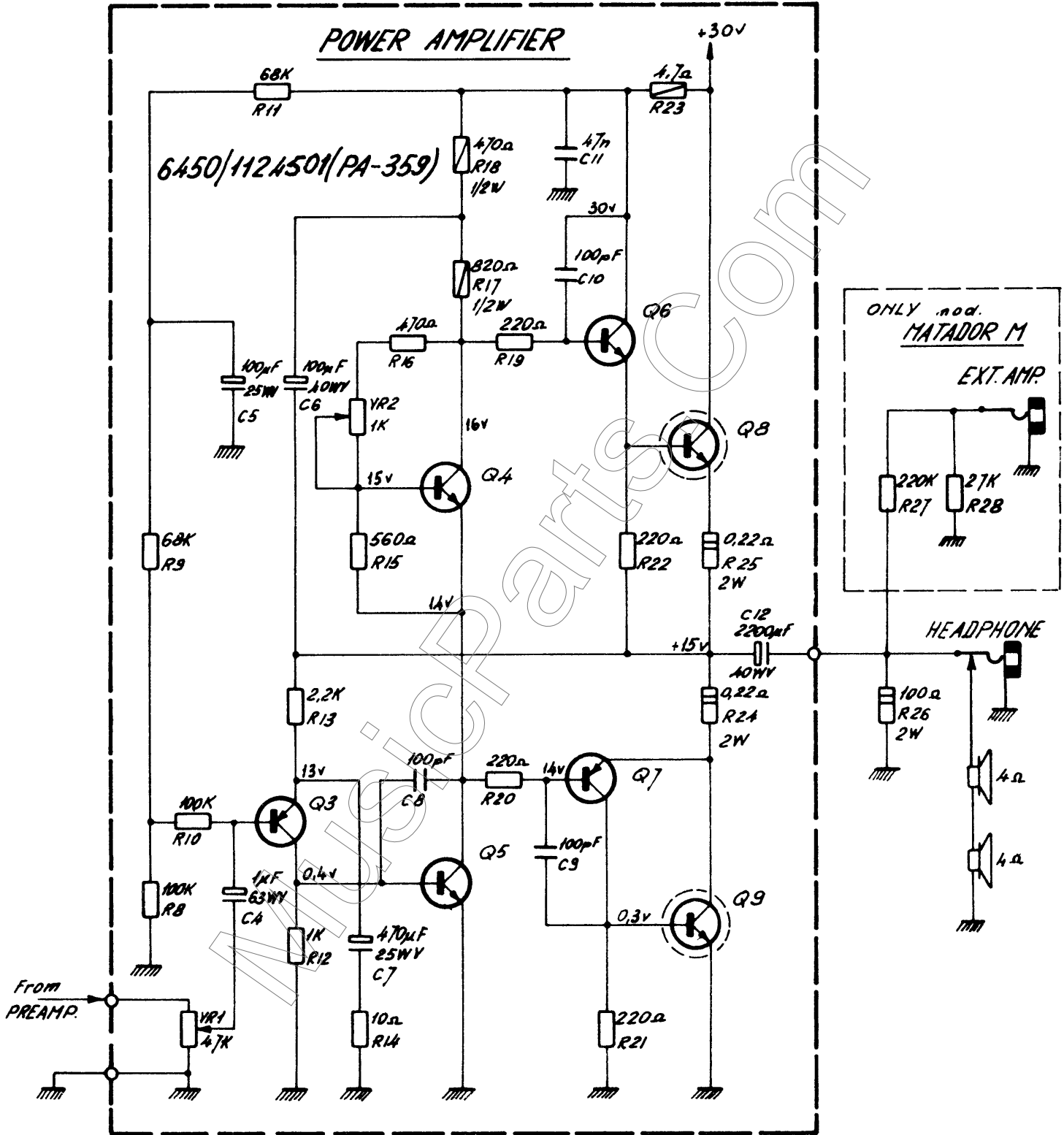
DWG 3

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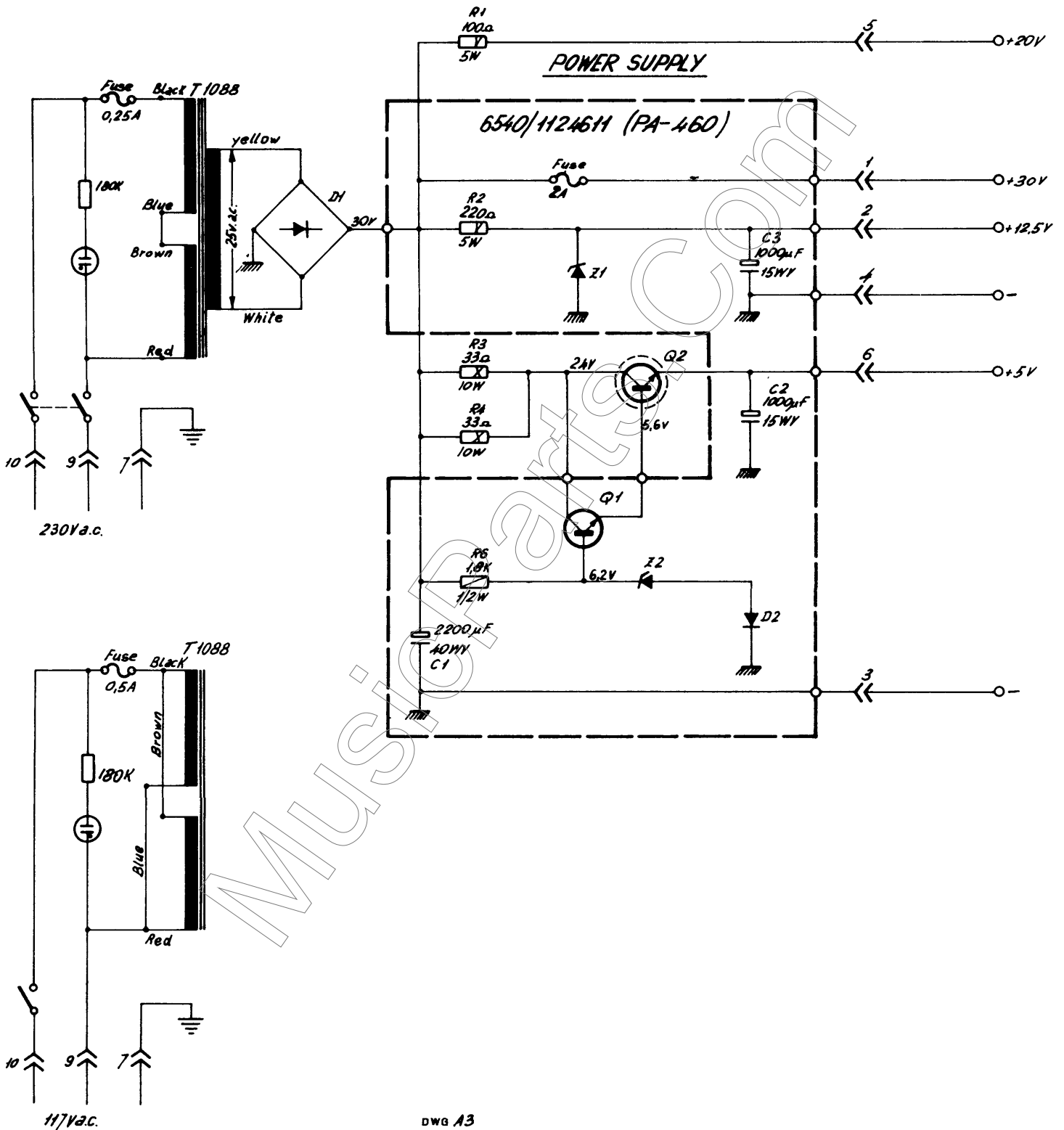
DWG 3

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 CODE SE-183	DRAWN BY <i>[Signature]</i>	REVISION	VIBRATO ELEMENT		
	CHECKED BY <i>[Signature]</i>	DATE	23-1-73		



DWG A3

MOD. MATADOR "M"		SERIAL No			
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	SE-183	CHECKED BY	DATE	RLHENT	
				23-11-73	



MOD.	MATADOR "M_n"		SERIAL No				
	CODE	DRAWN BY	REVISION	VARIATO			
	SE-183	 CHECKED BY 	DATE	PLIMENT.			
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Matador - M

TRANSISTORS (Q) & DIODES (D) LIST

①

Schem. Ref.	Circuit	Type	Part Code
<u>CHASSIS</u>	<u>POWER SUPPLY CHASSIS (DWG A 3/SE 180)</u>		<u>8000/1124611</u>
Q 2	Series Stabilizer.....	WESTINGHOUSE 156-043.... SOLITRON H 9340.....	W/1800
D 1	Rectifier Bridge.....	ITT B 40-C 2200 SIEMENS B 40-C 2200 AEG B 40-C 2200	B/1201
<u>PA 460</u>	<u>VOLTAGE REGULATOR BOARD (DWG A 3/SE 180)</u>		<u>6540/1124611</u>
Q 1	Series Stabilizer.....	BC 207 A or B..... BC 237 A or B.....	W/1401
D 2	Threshold Diode.....	SGS I X 9809..... TEXAS D 252 A or B.....	B/1000 B/1001
Z 1	Voltage Reference-Diode Zener (13V-1W)	ITT ZY 13..... MOTOROLA 1N 4743-A.....	B/1418
Z 2	Voltage Reference-Diode Zener (5,6 - 400 mV)	ITT ZPD 5,6..... IR 1N 752 A..... MOTOROLA 1N 5232 B.....	B/1309
<u>PA 359</u>	<u>POWER AMPLIFIER BOARD (DWG A 3/SE 180)</u>		<u>6450/1124501</u>
Q 3	Input Preamplifier PNP.....	SGS I W 9640.....	W/89 - W/1500
Q 4	Temperature Compensator.....	BC 207 A or B..... BC 209 B or C.....	W/1401 W/1407 - W/1410
Q 5	Driver Amplifier NPN.....	SGS BC 286.....	W/1601
Q 6	Driver NPN.....	SGS BC 286.....	W/1601
Q 7	Driver PNP.....	SGS BC 287.....	W/1702
Q8 - Q9	Power Transistors.....	WESTINGHOUSE 156-043.... SOLITRON H 9340.....	W/1800

MOD. MATADOR "M"		SERIAL No			
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	SE-183	<i>[Signature]</i> CHECKED BY <i>[Signature]</i>	DATE	23-11-73	



Matador - M

TRANSISTORS (Q) & DIODES (D) LIST

2

Schem. Ref.	Circuit	Type	Part Code
<u>PA 357-8</u>	<u>OSCILLATORS (DWG 2/SE 183)</u>		<u>6034/1111241</u>
Q a 1	MVBTR. Master Oscillators....	BC 108 A,B or C.....	W/1406
Q a 2	MVBTR. Master Oscillators....	BC 109 - B or C.....	W/1409 - W/1412
Q a 3	Buffer Amplifier.....	BC 208 A,B or C.....	W/1404
		BC 209 - B or C.....	W/1407 - W/1410
		2N 5172.....	W/1425
Da1-Da2	Base Breckdown Protection....	SGS 1X9809.....	B/1000
D o 1	Threshold Diode.....	ITT 1N 4003.....	B/1100 - B/1101
		IR 10 D1.....	
<u>PA 468</u>	<u>KEYSWITCH BOARD (DWG 2/SE 183)</u>		<u>6546/1111241</u>
IC1-IC5	Integrated Dividers.....	TEXAS SNB 748-F.....	W/1008
<u>PA 501</u>	<u>VIBRATO-FILTERS & PREAMPLIFIER (DWG 3/SE 183)</u>		<u>6547/1111241</u>
Q b 1	General Preamplifier.....	BC 209-B.....	W/1407
Qb2-Qb3	Vibrato.....	BC 239-B.....	
Q b 4	Manual Bass Preamplifier.....		

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