

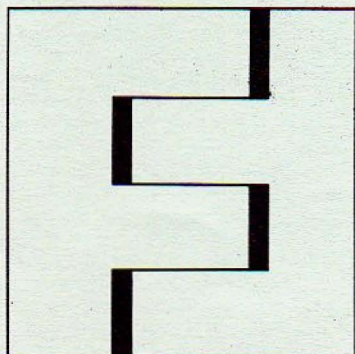


schematic diagram

1ST EDITION

electronic organ

VIP 370



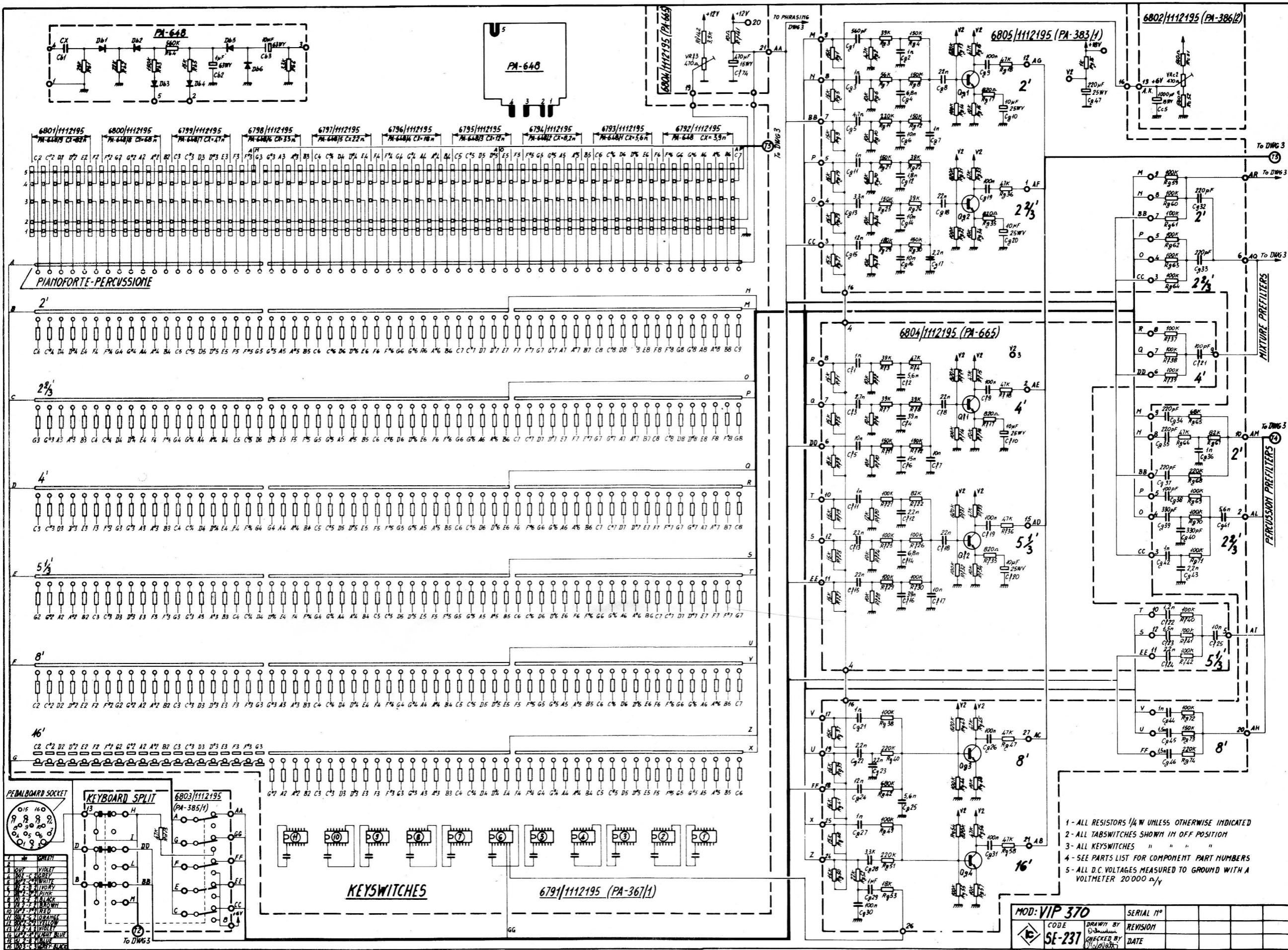
FARFISA S.p.A./MUSICAL INSTRUMENTS/P.O. BOX 204/60100 ANCONA/ITALY
Telephone (071) 95.136 - 95.236 - 95.346 / Telex: 56011 FARFISA

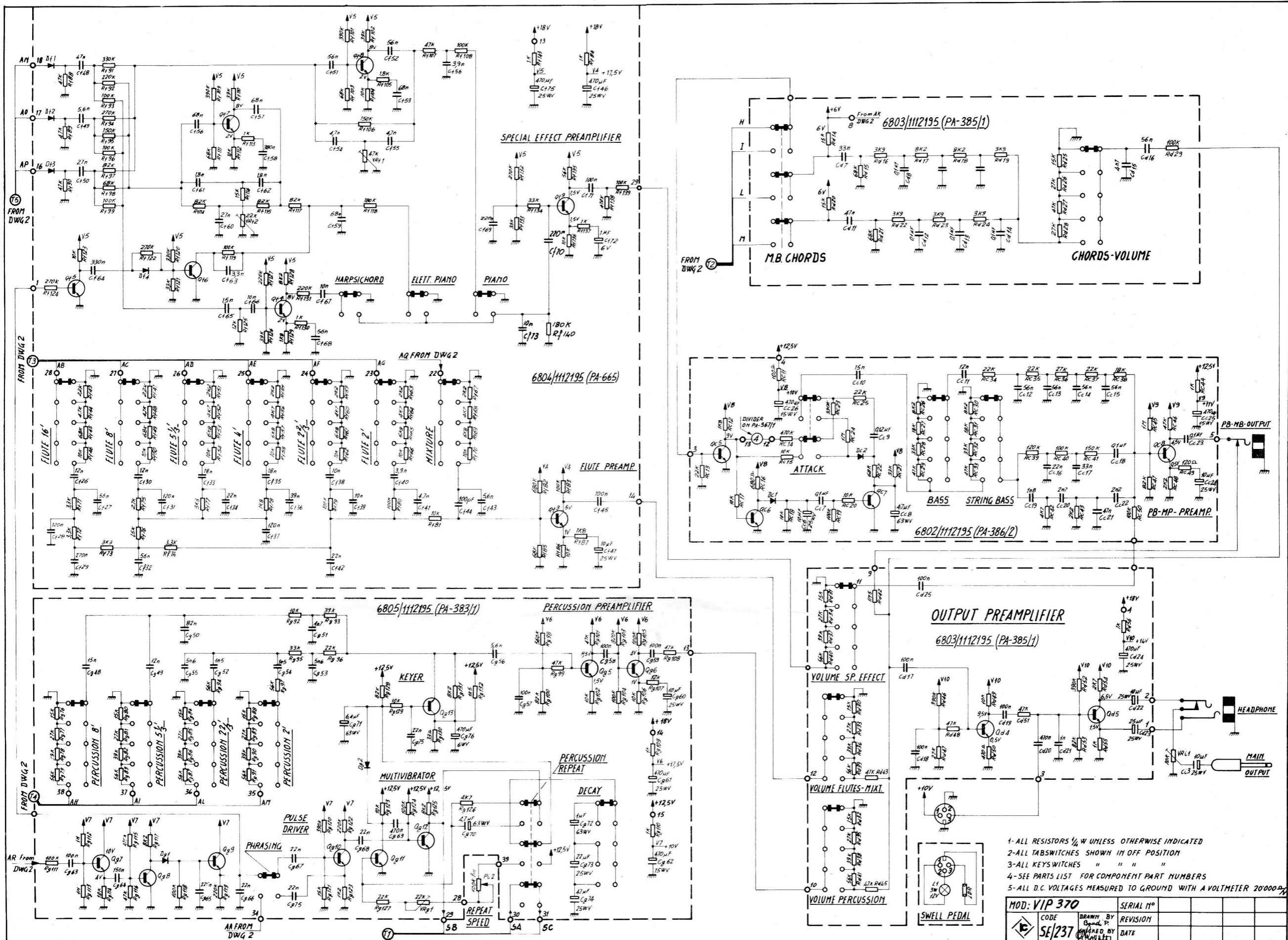
IMPORTANT: IN ANY CORRESPONDENCE CONCERNING THIS INSTRUMENT ALWAYS INCLUDE MODEL AND SERIAL NUMBERS!

PARTS ORDERING – When ordering parts be sure to include the following information:

1. Model and serial Number of instrument.
2. Part Code.
3. A description of the Part.
4. Specify how you want the part shipped.

FARFISA COMPANY - WHOSE POLICY IS CONSTANTLY DIRECTED TO IMPROVEMENTS AND NEW DEVELOPMENTS - RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, PRICES, MODELS AND TO DISCONTINUE MODELS WITHOUT NOTICE AND LIABILITY.





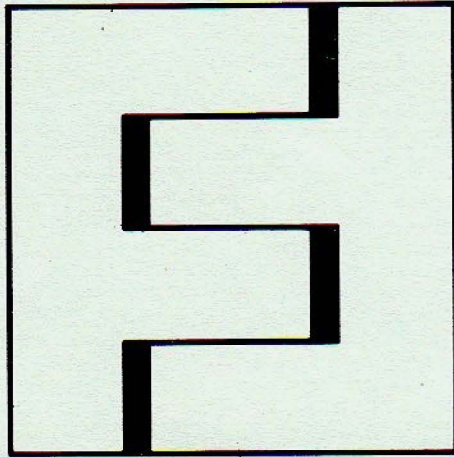
- 1- ALL RESISTORS 1/4 W UNLESS OTHERWISE INDICATED
- 2- ALL TABSWITCHES SHOWN IN OFF POSITION
- 3- ALL KEYSWITCHES " " " "
- 4- SEE PARTS LIST FOR COMPONENT PART NUMBERS
- 5- ALL D.C. VOLTAGES MEASURED TO GROUND WITH A VOLTMETER 20000 Ω

MOD: VIP 370		SERIAL NO	
CODE	DRAWN BY	REVISION	
SE/237	CHANGED BY	DATE	

Schem.Ref.	Circuit	Type	Part Code
<u>CHASSIS</u>	<u>POWER SUPPLY CHASSIS (DWG 1/SE 237)</u>		<u>8000/1124501</u>
Q 2	Series Stabilizer.....	WESTINGHOUSE 156-043..... SOLITRON H 9340.....	W/1800
D 2	Rectifier Bridge.....	ITT B 40-C 2200..... SIEMENS B 40-C 2200..... AEG B 40-C 2200.....	B/1201
<u>PA 355_1</u>	<u>VOLTAGE REGULATOR BOARD (DWG 1/SE 237)</u>		<u>6698/1124501</u>
Q 1	Series Stabilizer.....	SGS BC 286 (ex BC 142)....	W/1601
D 1	Rectifier Diode (Bridge)..	MISTRAL SFD 182..... TEXAS IN 914.....	B/1002
Z 1	Voltage Reference-Diode Zener (13V-1W-5%)	IR MOTOROLA 1N 4743 - A... ITT 1 Z 13.....	B/1418-B/1503
Z 2	Voltage Reference-Diode Zener (15V-400mW-5%)	ITT ZPD 15..... MOTOROLA 1N 5245-B.....	B/1319
<u>TERMINAL STRIP (inside device) - (DWG 1/SE 237)</u>			
D i 1	Threshold.....	IR 10D1-10D2..... IR 10D4-1N 4004.....	B/1100 B/1101
Z i 1	Zener Diode + 12V Drop.... (6,2V-1W-5%)	IR MOTOROLA 1N 4735-A..... ITT ZY 6,2.....	B/1410
<u>PA 357-2</u>	<u>OSCILLATOR (DWG 1/SE 237)</u>		<u>6020/609</u>
Q a 1	MVBTR. Master Oscillator..	} BC 109 B or C..... BC 209 B.....	W/1412-W/1409 W/1407-W/1410
Q a 2	MVBTR. Master Oscillator..		
Q a 3	Buffer Amplifier.....		
Da1-Da2	Base Breakdown Protection.	SGS IX 9809..... TEXAS D 525 A or B.....	B/1000 B/1001
D a 3	Threshold.....	IR 10D1-10D2..... IR 10D4-5D1.....	B/1100 B/1101

Schem.Ref.	Circuit	Type	Part Code		
<u>PA 367/1</u>	<u>KEYSWITCH BOARD (DWG 2/SE 237)</u>		<u>6791/1112195</u>		
I.C.1+11	Integrated Frequency Divider	AY-1-5050.....	W/1100-W/1101		
PA 648	<u>ENVELOPE SHAPER GATE (DWG 2/SE 237)</u>		<u>6792/1112195</u>		
<u>PA 648/1</u>			<u>6793/1112195</u>		
<u>PA 648/2</u>			<u>6794/1112195</u>		
<u>PA 648/3</u>			<u>6795/1112195</u>		
<u>PA 648/4</u>			<u>6796/1112195</u>		
<u>PA 648/5</u>			<u>6797/1112195</u>		
<u>PA 648/6</u>			<u>6798/1112195</u>		
<u>PA 648/7</u>			<u>6799/1112195</u>		
Db1+Db6	Diodes.....	BA 130.....	B/1000-B/1003		
<u>PA 386/2</u>	<u>SYNTHESLALOM M.B. (DWG 1-3/SE 237)</u>		<u>6802/1112195</u>		
Q c 1	Buffer.....	} BC 208-B-C.....	W/1404		
Q c 5	Buffer.....				
Q c 6	Attack control.....			} BC 209-B.....	W/1407
Q c 7	Attack control.....				
Q c 2	Control.....	FAIRCHILD BC 154.....	W/1500		
Q c 3	Driver.....	} BC 209-B.....	W/1407		
Q c 8	M.B Preamplifier.....			BC 109-B.....	W/1409
Q c 4	Driver.....	BC 286.....	W/1601		
Dc1-Dc2	Diode.....	TEXAS D 525 A or B.....	B/1000-B/1001		
<u>PA 385/1</u>	<u>CHORDS-VIBRATO-OUTPUT AMPLIFIER (DWG 1-3/SE 237)</u>		<u>6803/1112195</u>		
Qd1-Qd2	Vibrato Oscillator.....	} BC 209 B.....	W/1407		
Q d 3	Vibrato Driver.....				
Q d 5	Amplifier.....			BC 109 B.....	W/1409
Q d 4	Amplifier.....	BC 109 B, red dot.....	W/1415		
		BC 209 B, red dot.....	W/1413		

Schem.Ref.	Circuit	Type	Part Code
<u>PA 665</u>	<u>FLUTE FILTERS & SPECIAL EFFECTS FILTERS (DWG 2-3/SE 238)</u>		<u>6804/1115275</u>
Q f 1	Preamplifier.....	} BC 109-B..... BC 209-B.....	W/1409 W/1407
Q f 2	Preamplifier.....		
Q f 4	Harpichord Filter.....		
Q f 5	Buffer.....		
Q f 6	Modulator.....		
Q f 7	Electric Piano Filter....		
Q f 8	Piano Filter.....		
Q f 3	Flute Preamplifier.....		
Q f 9	Special Effects Preampl..	BC 209-B, red dot.....	W/1413
Df1+Df4	Diodes.....	TEXAS D 525 A or B..... SGS IX 9808.....	B/1000-B/1001
<u>PA 383/1</u>	<u>PERCUSSION FILTERS-FLUTE (DWG 2-3/SE 237)</u>		<u>6805/1115275</u>
Qg1+Qg4	Preamplifiers.....	BC 109 B..... BC 209 B.....	W/1409 W/1407
Qg5-Qg6	Percussion Preamplifiers.	BC 239 B red dot..... BC 209 B red dot.....	W/1413 W/1415
Q g 7	Buffer.....	} BC 209-B..... BC 109-B.....	W/1407 W/1409
Q g 8	Amplifier.....		
Q g 9	Phrasing Driver.....		
Qg11-Qg12	Percussion Multivibrators		
Q g 13	Keyer.....		
Q g 10	Pulse Driver.....	MISTRAL BC 209-C.....	W/1426
D g 1	Diode.....	TEXAS D 525 A or B..... SGS IX 9809.....	B/1000-B/1001
D g 2	Diode.....	1N 4002.....	B/1100-B/1101



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