

SCHHEMATIC DIAGRAM



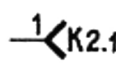
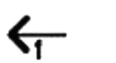
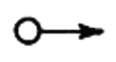
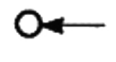


Electronic Organs

Matador A-AR-ARC



FARFISA

LEGENDA

-  FEMALE CONNECTOR SYMBOL (es. K2. 1)
-  PLUG IN CONNECTOR SYMBOL
-  OUTPUT SIGNAL (TO DWG...) or (TO PA-...)
-  INPUT SIGNAL (FROM DWG...) or (FROM PA-...)
-  TEST POINT (TP...)
-  CONNECTING POINT (ON p.c.b.)

All resistors 1/4 unless otherwise indicated

All tabswitches shown in OFF position

All keyswitches shown in OFF position

See part list for component part numbers

All D.C. voltages measured to ground with a voltmeter 20.000 Ω/V

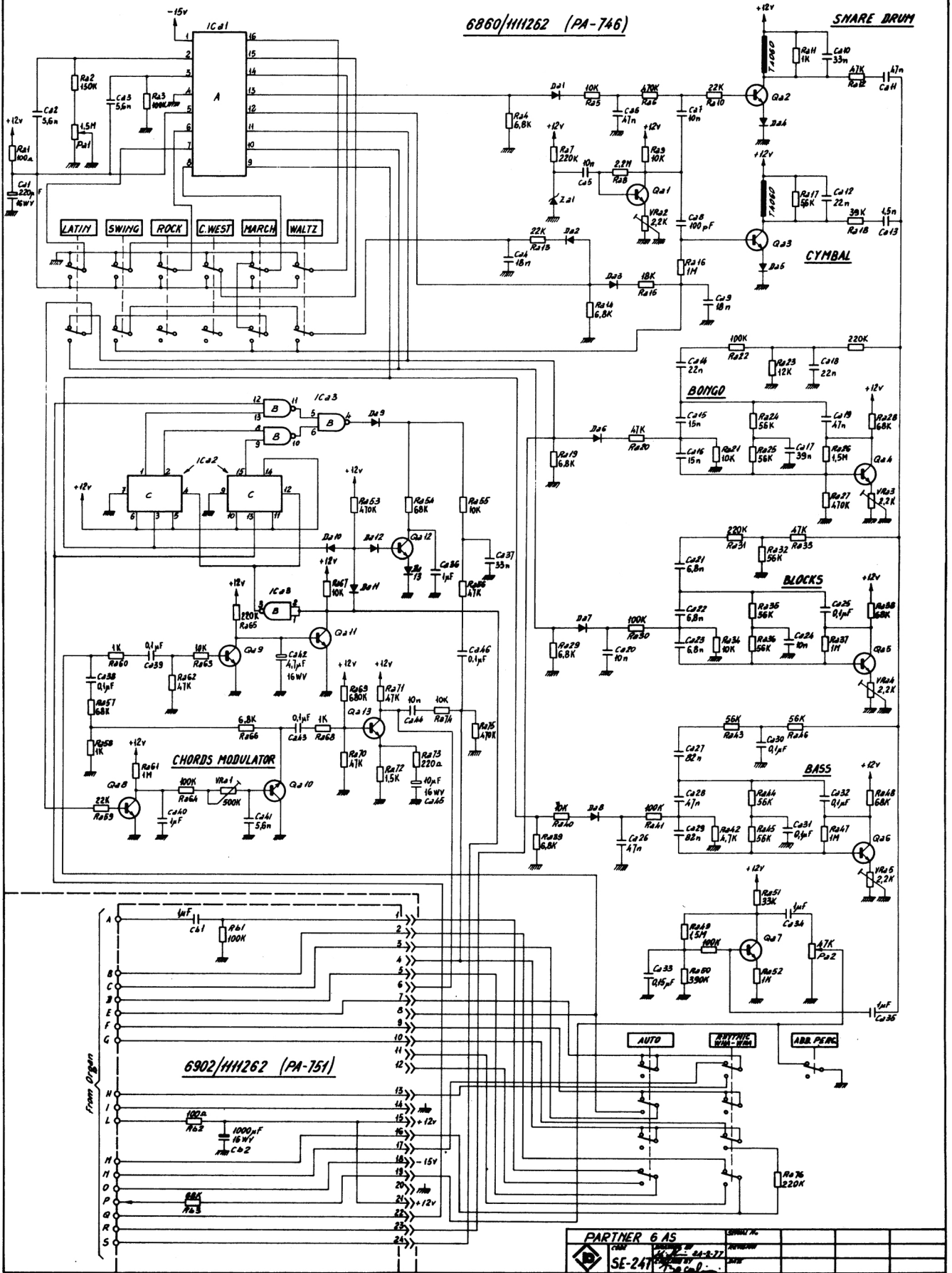
IMPORTANT : IN ANY CORRESPONDENCE CONCERNING THIS INSTRUMENT ALWAYS INCLUDE MODEL AND SERIAL NUMBERS!

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.

6860/HH262 (PA-746)

SNARE DRUM



6902/HH262 (PA-751)

PARTNER 6 AS		SHIMADZU INC.
DATE	DESIGNED BY	REVISED BY
SE-247	6-8-77	
	PA-746	

MATADOR A-AR-ARC

TRANSISTORS (Q) & DIODES (D) LIST

1

Schem. Ref.	Circuit	Type	Part Code
<u>CHASSIS</u>	<u>POWER SUPPLY CHASSIS (DWG 1/SE 246)</u>		<u>8000/1124501</u>
Q 2	Series Stabilizer.....	WESTINGHOUSE 156-043..... SOLITRON H 9340.....	W/1800 W/1800
D 2	Rectifier Bridge.....	SIEMENS B 40-C 3700/2200 AEG	B/1208
<u>PA 355-1</u>	<u>VOLTAGE REGULATOR BOARD (DWG 1/SE 246)</u>		<u>6698/1124501</u>
Q 1	Series Stabilizer.....	SGS BC 286.....	W/1600
D 1	Rectifier Diode (Bridge).....	MISTRAL SFD 182..... TEXAS 1N 914.....	B/1200
Z 1	Voltage Reference-Diode Zener. (13V - 1W)	IR 1Z 13 T 5..... MOTOROLA 1N 4743 A.....	B/1503 B/1418
Z 2	Voltage Reference-Diode Zener. (15V - 100mW)	ITT ZP D 15..... MOTOROLA 1N 5245-B.....	B/1319
<u>PA 606</u>	<u>POWER AMPLIFIER (DWG 2/SE 246)</u>		<u>6735/1124711</u>
Q 4	Preamplifier.....	BC 154.....	W/1500
Q 5	Driver Amplifier.....	BC 207 A-B SGS.....	W/1401
Q 6	Temperature Compensator.....	BC 207 A-B MISTRAL.....	W/1400
Q7 - Q8	Power Darlington.....	PHILIPS BD 267 - 266..... FAIRCHILD SE 9300 - 9400	W/2203

Schem. Ref.	Circuit	Type	Part Code
<u>PA 733/3</u>	<u>TONE GENERATOR (DWG 1/SE 246)</u>		<u>6042/1111261</u>
I.C. a 1	Oscillator.....	SN 29730 N.....	W/1009
I.C. a 2	Top Octave Synthesizer.....	G.I.E. AY-I-0212... A.M.I.....	W/1105
I.C. a 3	Voltage Regulator.....	SN 72723 N.....	W/1209
Q a 1	Buffer.....	BC 208-B-C.....	W/1404
Da1 + Da3	Diodes.....	D 525 B-BA 130.....	B/1000-B/1003
<u>PA 745</u>	<u>FILTER BOARD (DWG 2/SE 246)</u>		<u>6858/1111261</u>
I.C. a 1	Wha-Wha Filter.....	SN 76131 white dot.	W/1212
I.C. a 2	Monostable.....	4011.....	W/1150
Qc1 - Qc2	Monostable.....	} BC 209 - B..... BC 109 - B.....	} W/1407 W/1409
Q c 3	Switch.....		
Q c 4	Wha-Wha Control.....		
Q c 5	Wha-Wha Preamplifier.....		
Qc6 - Qc7	Vibrato Oscillator.....		
Q c 8	Wha-Wha Synchronism.....		
Qc10 - Qc11	Preamplifier.....		
Q c 9	Wha-Wha Synchronism.....	BC 154.....	W/1500
<u>PA 738</u>	<u>KEYSWITCH BOARD (DWG 1-2/SE 246)</u>		<u>6857/1111261</u>
I.C. b1 + I.C. b4 I.C. b6	Frequency Divider.....	SFF 5002 E.....	W/1101
I.C. b5 - I.C. b7	Multiplexer.....	F 4512.....	W/1167
I.C. b8	Quad 2 - Input Nand Gate.....	4011.....	W/1150
I.C. b9 - I.C. b10	Priority Encoder.....	F 4535.....	W/1166

PARTNER 65

TRANSISTORS (Q) & DIODES (D) LIST

①

Schem. Ref.	Circuit	Type	Part Code
<u>PA 746</u>	<u>RHYTHM BOARD (DWG 1/SE 247)</u>		<u>6860/1111262</u>
IC a 1	Rhythm Generator.....	MM 5871-AA-N.....	W/1112
IC a 2	Dual JK FLIP-FLOP.....	4027.....	W/1153
IC a 3	Quad - Input Nand Gates.....	4011.....	W/1150
Qa1 - Qa7	Preamplifier.....	} BC 209 - B..... BC 109 - B.....	W/1407 W/1409
Q a 2	Snare Drum Generator.....		
Q a 3	Cymbal Generator.....		
Q a 4	Bongo Generator.....		
Q a 5	Block Generator.....		
Q a 6	Bass Generator.....		
Qa8-9-11	Switch.....		
Q a 10	Chords Modulator.....	BC 209 - C MISTRAL...	W/1426
Q a 12	Bass Modulator.....	} BC 209 - B.....	W/1407
Q a 13	Preamplifier.....		
Z a 1	Noise Generator.....	B/1604 - FARFISA.....	B/1604
Da1 + Da13	Diodes.....	BA 130.....	B/1003

nota di servizio service note

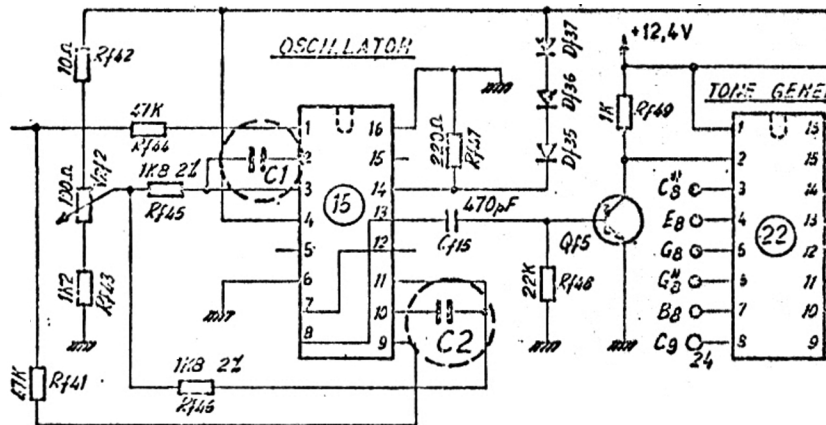
N° 0005

Rif. : TABELLA SINOTTICA GENERATORE UNICO - PA-733

Ref. : SINGLE GENERATOR SYNOPTIC TABLE - PA-733

SCHEMA ELETTRICO

SCHEMATIC DIAGRAM



PA- CODE	MODEL	T.O.S. G.I.E.		T.O.S. SESCOSEM	
		C ₁ (pF)	C ₂ (pF)	C ₁ (pF)	C ₂ (pF)
PA-733	257 R - 257 RV	121	121	150	150
PA-733/1	255 R - 255 RV	270	270	330	330
PA-733/2	250 RSE - 251 RSE - 252 RS	330	330	422	422
PA-733/3	MATADOR A - AR - AR/C	1620	1620	1970	1970
PA-733/4	CH/25	270	270	330	330
PA-733/5	247 R	360	360	487	487
PA-733/6	249 R - 4290 R	348	348	442	442
PA-733/7	CH/32 - PROFESSIONAL 110	121	131	150	160
PA-733/8	5230 R - 5210 R	150	150		
PA-733/9	4260 R	780	780	985	985

**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.**

