GEM JUMBO61

MODEL

SERVICE MANUAL

+9 V

MASTER

1 K R208 · 1nF C208 · 47K R209 · 5,5 V · BC 209 TR203 · C 1 · C 2 · 18 K R210 · 2K7 R211 · 10nF C209

TONE GENERATOR

B A# C# C

2K7 · 3÷6 V · BC 209 TR 204 · 47 K · 10nF

C1	C2
3nF	22nF
5nF	68nF
5nF	68nF
7nF	56nF
3nF	47nF
3nF	47nF
7nF	39nF
7nF	33nF
nF	33nF
2nF	27nF
2nF	27nF
nF	22nF

47K 100K 220K 2K7

KEYBOARD

100K

2E DRUM 6 Z4 JUMBO 6R6 · 3E · 1E DRUM 6 Z4 NAPOLI 6R6

VIB INP. 7D 3G

220K R301 R302 R303 R304 R305 R306 R307 R308 R309 R310 R311 R312 R313 R314 R315 R316 R317 R318 R319 R320 R321 R322 R323

DRUM 6 · 1X · 220K · 2X

3K3 R204 · BC 209 TR201 · 220pF C205 · C203 · C202 · 470nF C204 · 470nF C205 · 4,5 V · 3K3 R206 · 680Ω R207 · 10C4F · 6D 1G VIB. OUT · 4D · 50K VIBRATO SPEED

PLUG "D"

1 2 3 4 5 6 7

PEDAL

FROM 3C AMPL. · FROM 1C AMPL. · L 201 24V 0,5mA · LDR · FROM 2C AMPL

POWER SUPPLY
ONLY JUMBO 61-R6

5A 2H 10W 47 GEM1335H · 5D 4H · 1W 47 · 2000nF · 2G 3H · 8A 5H

PLUG "H"

1 2 3 4 5

POWER SUPPLY
ONLY JUMBO 61

5D 4H · 4A 1H · 10W 68 · 2000nF · 4 x 1N 4001 · FROM POWER AMPL. 6A · 2H · 3000nF · 1/2 W 68 · 2G 3H · 8A 5H · 220nF · GEM 1335H

FILTER

BASS STRINGS | BASS FLUTES | OFF BASS ON | HORN | STRINGS | CORNETS | FLUTES | VIBRATO | PERC. STRINGS | PERC. FLUTES

+9 V D.C. — 5D

2K7 — 3÷6 V — BC 209 TR 204 — 47K — 10nF — 100K

DRUM 6 Z4 JUMBO 61R6 — DRUM 6 Z4 NAPOLI 61R6

PLUG "E"

BALANCE — 50K

6D — 1G — 7D — 3G — DRUM 6 3Z — 8F — 9F — 6F — 220nF C104

22K R101 — 100K R109 — 220nF C110 — 10nF C103 — 22K R102 — 10nF C109 — 10nF C102 — 33K R103 — 6Z — 5Z 3F DRUM 6

VOLUME BASS — 50K — 1F — R104 47K — R107 22K — 220nF — 10nF — 68K R108 — 68nF C101 — 68nF C106 — 7F

+16 V. D.C. — 220pF C111 — 12K R113 — BC 209 TR101 — 4K7 R112 — 1K5 R114 — 100nF C113 — 33K R116 — 100nF C115 — 4H

220K R119 — 22nF C116 — 220K R121 — 4n7 C118 — 100K R124 — 100K R123 — 220nF C120 — 4n7 C121 — 470K R128 — 33nF C124 — 47K R132 — 4K7 R131 — 4H

100nF C126 — 3K3 R140 — 6n8 C130 — 22K R145 — 33K R142 — 100nF C129 — 33K R144 — 3n3 C131 — 6n8 C132

+16 V D.C. — 220K R137 — 220pF C127 — 4K7 R139 — 6V — BC 209 TR104 — 100nF C128 — 22K R141 — 15K R136 — 220Ω R138 — 2F — 4F

100K R143 — 10nF C133 — 47K R146

+18 V DC. — 2G — 10K R135 — +16 V D.C. — 5F — 9G — 8G

220Ω R118 — 4K7 R120 — FDH999 D103 — 250µF C119 — 220K R127 — 10K R130 — 22nF C123 — 22K R134 — 7G — 5V — BC 209c LOW NOISE TR 105

4K7 R106 — 1K5 R111 — 4M7 R105 — 470nF C134 — 9,5 V — 0÷16,5 V — BC 209 TR102 — FDH999 D102 — 15K R117 — 15K R122 — FDH999 D104 — 100nF C122 — 6K8 R125 — 15K R126 — 470Ω R129 — 68Ω R133 — 50µF C125 — 4G

220pF C105 — BC 209 TR103 — 6K8 R110 — FDH999 D101 — 50µF C112 — 10µF C114 — 1µF C117 — 470Ω R115 — 5G — 6G — 50K — TIME PERC.

47K — 68K — VOLUME PERC. — TO AMPLIFIER — CASSETTE

PLUG "F"

PLUG "G"

1 2 3 4 5 6 7 8 9

POWER SUPPLY
ONLY JUMBO 61

5D — 4H — 4A — 1H — 10W 68 — 2000nF — FROM POWER AMPL. 6A — 4 x 1N 4001 — 2H — 3000nF — 1/2 W 68 — 2G — 3H — 8A — 5H — 220nF — GEM 1335H

PLUG "H"

3 4 5

	DATA	SIGLA
DISEGN.	25 6 74	
CONTR.		
VISTO	11 9 75	

Model JUMBO 61-R6 & NAPOLI 61 R6

DDR MONDAINO (FO)

N.° SO · 1057

SCHEMATIC DIAGRAM

MATERIALE

SOSTITUISCE IL N.

SOSTITUITO DAL N.

TRATTAMENTO: