



RP120

RealPiano DIGITAL

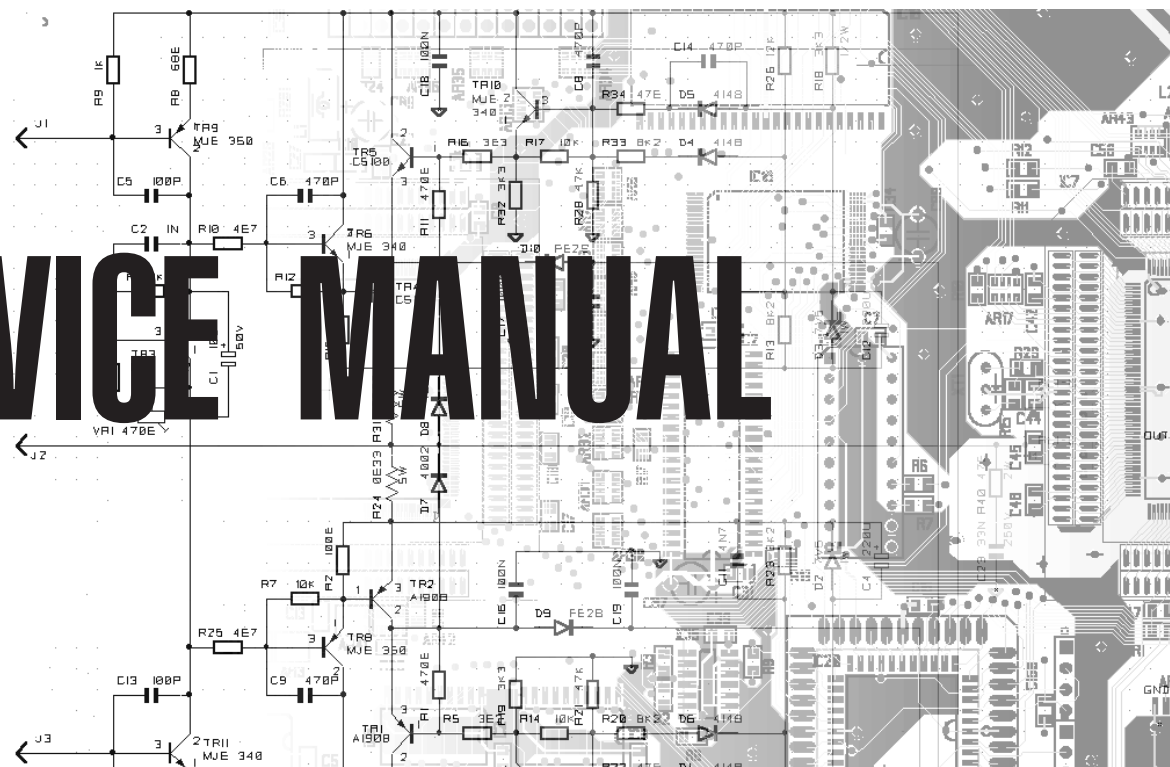
Pianovelle

Baldwin

Index

- 2 Opening & Keyboard Disassembling Instructions
- 3 Autotest Procedure
- 4 Block Diagram
- 5 Power Amplifier & Supply, Outputs and Phones Boards
- 6 Keyboard Interface and L/R Contact Boards
- 7 Controls Panel and Display Boards
- 8 Cpu & Sound Generator Board
- 9 Cpu & Sound Generator Board Layout & Timing Table
- 10 FAQ & Spare Part List

SERVICE MANUAL



Warnings



Notice

Service must be carried out by qualified personnel only. Any tampering carried out by unqualified personnel during the guarantee period will forfeit the right to guarantee.

For a correct operation of the instrument, after having switched off, be careful to wait at least 3 seconds before switching on again.

To improve the device's specifications, the schematic diagrams may be subject to change without prior notice.

All components marked by this symbol have special safety characteristics, when replacing any of these components use only manufacturer's specified parts.

The (μ) micro symbol of capacitance value is substituted by U.

The (Ω) omega symbol of resistance value is substituted by E.

The electrolytic capacitors are 25Vdc rated voltage unless otherwise specified.

All resistors are 1/8W unless otherwise specified.

All switches shown in the "OFF" position. All DC voltages measured to ground with a voltmeter 20KOhm/V.

← Soldering point.

• Male connector.

○ Female connector.

⊖ M/F faston connector.

↑ Supply voltage.

□ Test point.

⬭ Flag joined with one or more flags with the same signal name inscribed.

⊥ Logic supply ground.

⊥ Analog supply ground.

⊥ Chassis ground.

⊕ Earth ground.



ATTENTION

Observe precautions when handling electrostatic sensitive devices.

Address



GENERALMUSIC S.p.A. Sales Division: 47842 S.Giovanni in Marignano (RN) ITALY - Via delle Rose, 12

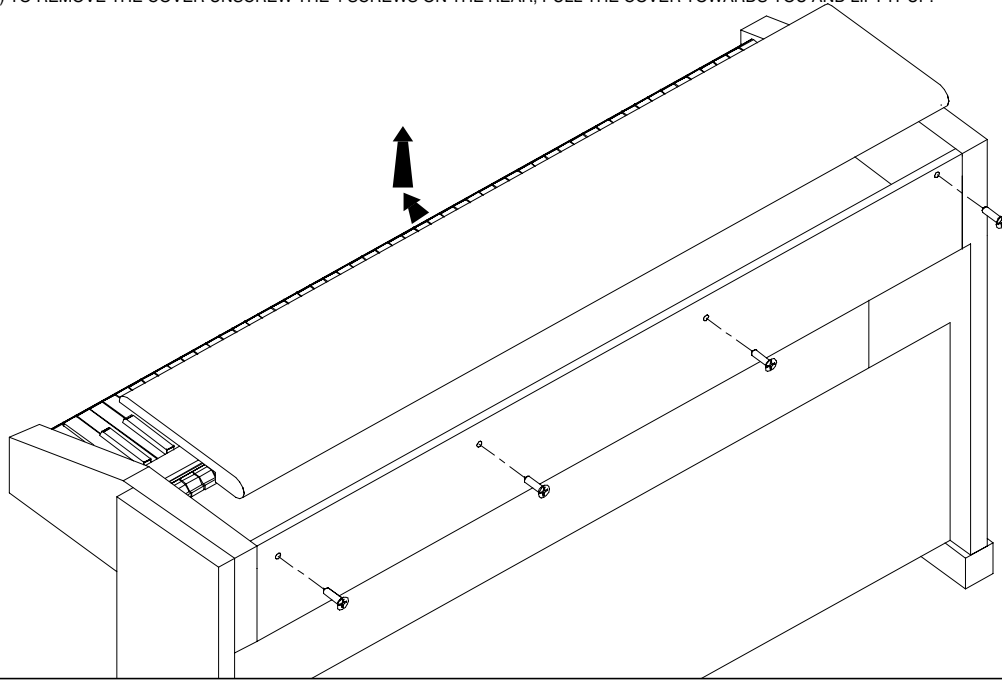


Phone +39(0)541/959511 - Fax +39(0)541/957404 - GENERALMUSIC on the NET: <http://www.generalmusic.com>

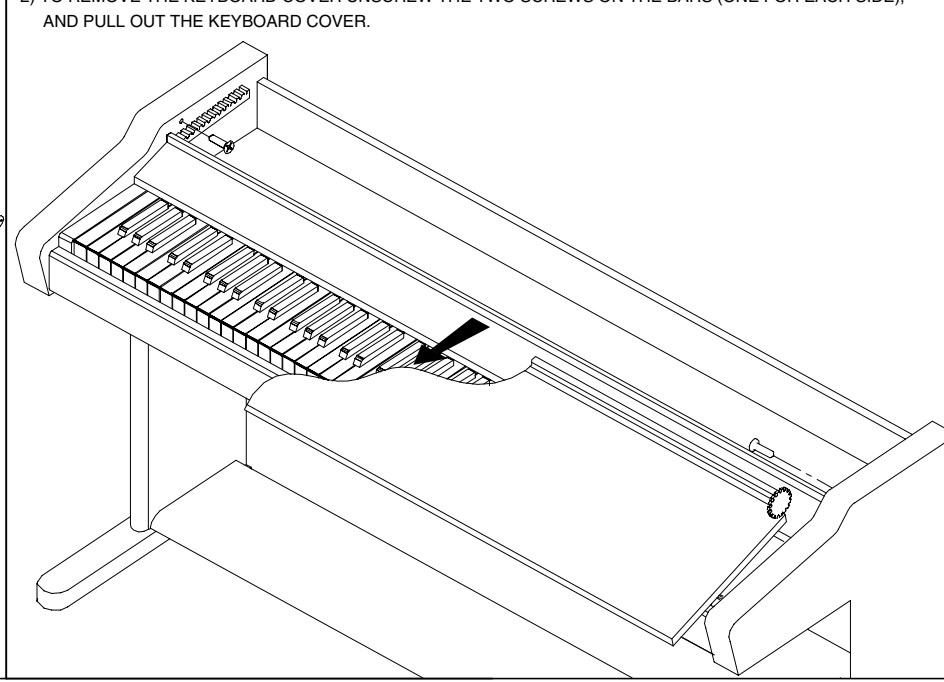


▶ CODE: 270246 ◀

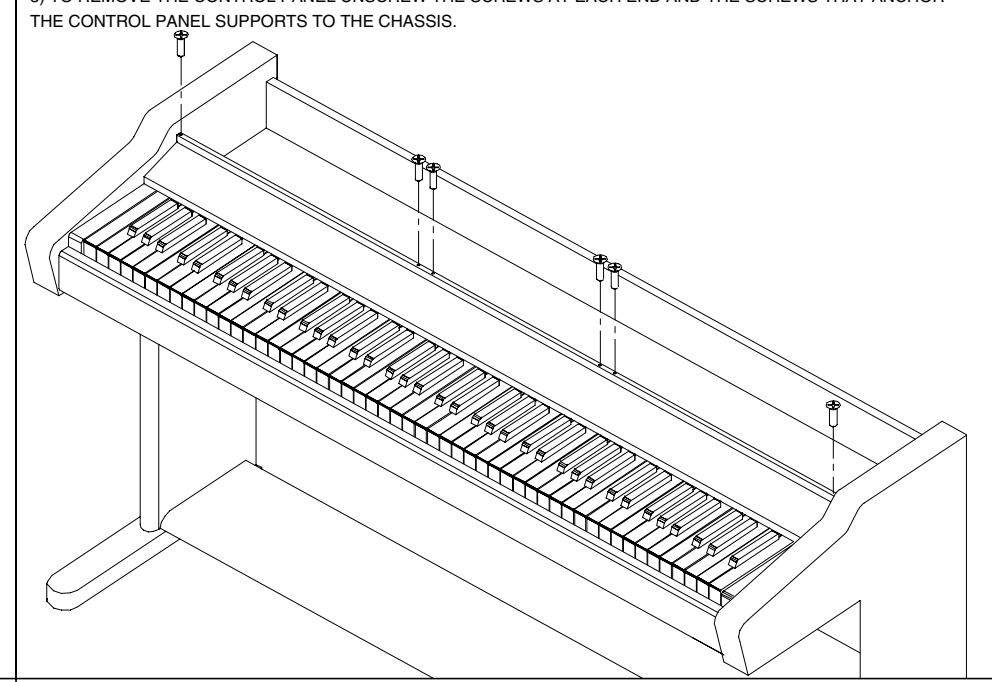
1) TO REMOVE THE COVER UNSCREW THE 4 SCREWS ON THE REAR, PULL THE COVER TOWARDS YOU AND LIFT IT UP.



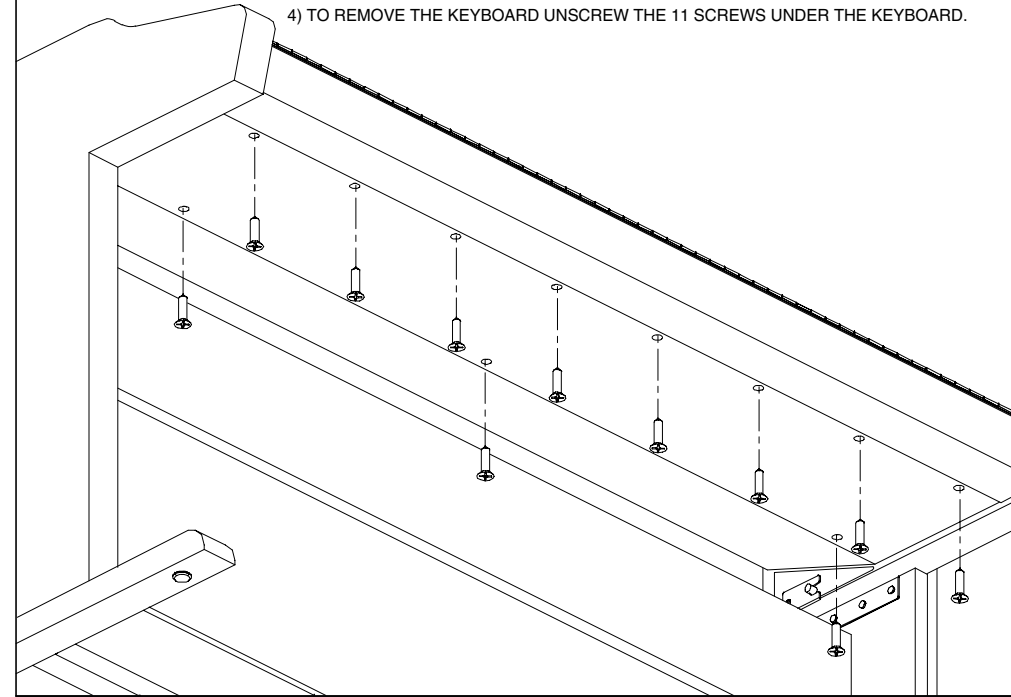
2) TO REMOVE THE KEYBOARD COVER UNSCREW THE TWO SCREWS ON THE BARS (ONE FOR EACH SIDE), AND PULL OUT THE KEYBOARD COVER.



3) TO REMOVE THE CONTROL PANEL UNSCREW THE SCREWS AT EACH END AND THE SCREWS THAT ANCHOR THE CONTROL PANEL SUPPORTS TO THE CHASSIS.

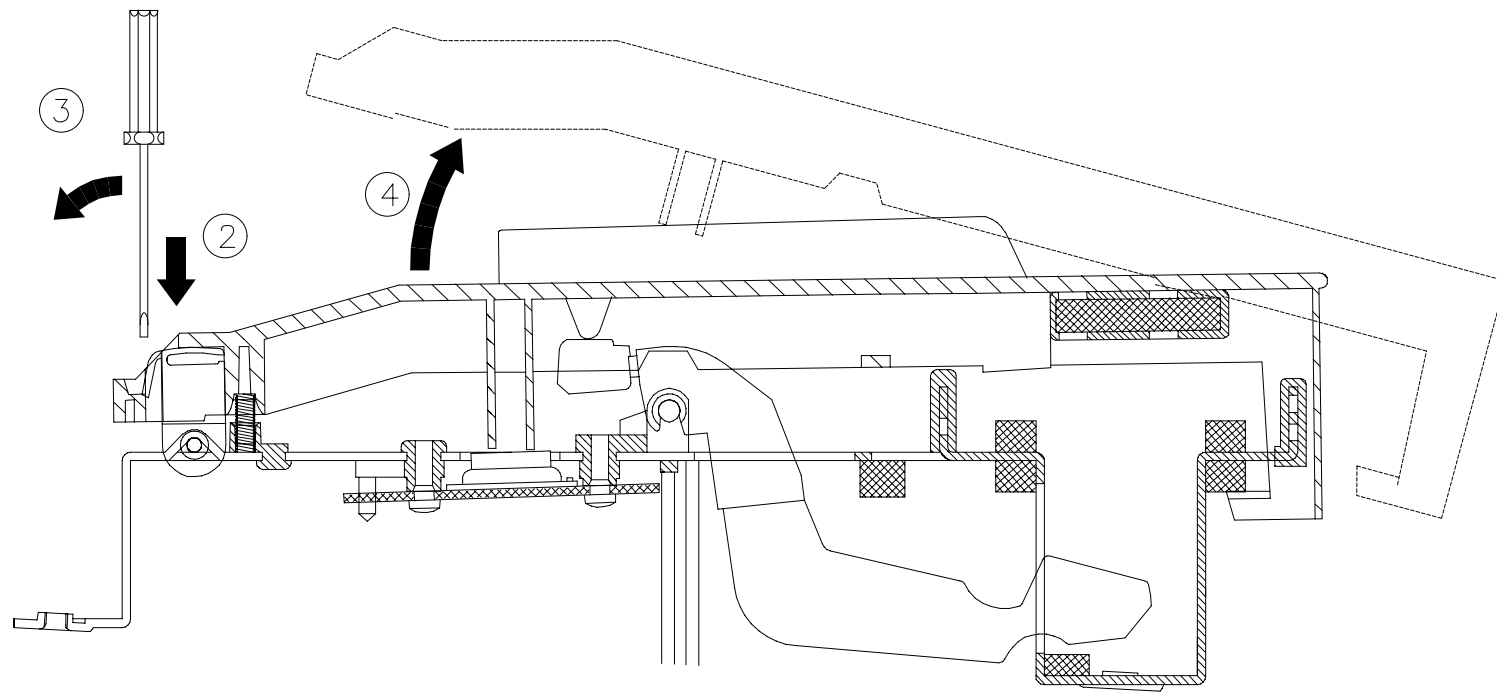


4) TO REMOVE THE KEYBOARD UNSCREW THE 11 SCREWS UNDER THE KEYBOARD.



5) TO REMOVE A KEY INSERT A SCREWDRIVER OR OTHER SIMILAR OBJECT IN THE SPLIT AT THE KEY BACK, APPLY A LIGHT PRESSURE AND PUSH IN THE DIRECTION SHOWN.

NOTE: BEFORE YOU REMOVE A NATURAL KEY YOU MUST REMOVE THE KEYBOARD, IF YOU REMOVE A SHARP KEY THIS OPERATION IS NOT NECESSARY



TP21

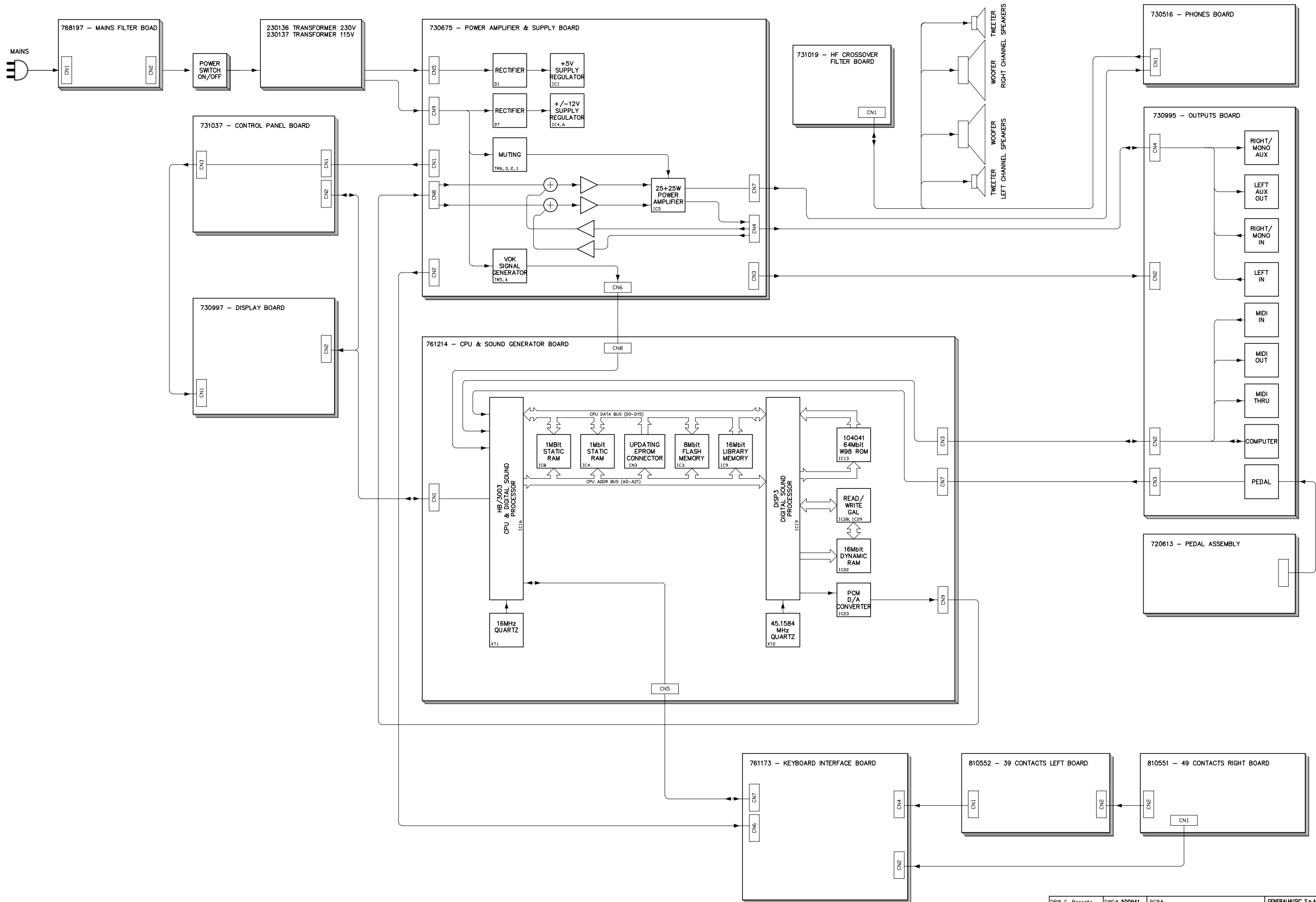
RP90-100-120-150 INITIAL CHECK																																																							
Operation Descriptions	Display																																																						
The following procedures must be executed subsequently in the specified order.																																																							
Before turn on the instrument check the jumpers setting on CPU & SOUND GENERATOR BOARD corresponds at the model accordingly to the following table:																																																							
<table border="0"> <tr> <td>MODEL</td> <td>J4</td> <td>J5</td> <td>J3</td> <td>J6</td> <td>J2</td> </tr> <tr> <td>RP100 GEM</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> </tr> <tr> <td>RP100 BALDWIN</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> </tr> <tr> <td>RP150 GEM</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>1-2</td> </tr> <tr> <td>RP150 BALDWIN</td> <td>1-2</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>2-3</td> </tr> <tr> <td>RP90 GEM</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>1-2</td> <td>1-2 v2.00 or greater</td> </tr> <tr> <td>RP90 BALDWIN</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>1-2</td> <td>2-3 v2.00 or greater</td> </tr> <tr> <td>RP120 GEM</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>2-3</td> <td>1-2 v2.02 or greater</td> </tr> <tr> <td>RP120 BALDWIN</td> <td>1-2</td> <td>1-2</td> <td>2-3</td> <td>2-3</td> <td>v2.02 or greater</td> </tr> </table>	MODEL	J4	J5	J3	J6	J2	RP100 GEM	1-2	1-2	1-2	1-2	1-2	RP100 BALDWIN	1-2	1-2	1-2	1-2	2-3	RP150 GEM	1-2	1-2	1-2	2-3	1-2	RP150 BALDWIN	1-2	1-2	1-2	2-3	2-3	RP90 GEM	1-2	1-2	2-3	1-2	1-2 v2.00 or greater	RP90 BALDWIN	1-2	1-2	2-3	1-2	2-3 v2.00 or greater	RP120 GEM	1-2	1-2	2-3	2-3	1-2 v2.02 or greater	RP120 BALDWIN	1-2	1-2	2-3	2-3	v2.02 or greater	<pre> * REALPIANO * RP100 * BALDWIN * PIANOVELLE RP100 * REALPIANO * RP150 * BALDWIN * PIANOVELLE RP150 * REALPIANO * RP90 * BALDWIN * PIANOVELLE RP90 * REALPIANO * RP120 * BALDWIN * PIANOVELLE RP120 </pre>
MODEL	J4	J5	J3	J6	J2																																																		
RP100 GEM	1-2	1-2	1-2	1-2	1-2																																																		
RP100 BALDWIN	1-2	1-2	1-2	1-2	2-3																																																		
RP150 GEM	1-2	1-2	1-2	2-3	1-2																																																		
RP150 BALDWIN	1-2	1-2	1-2	2-3	2-3																																																		
RP90 GEM	1-2	1-2	2-3	1-2	1-2 v2.00 or greater																																																		
RP90 BALDWIN	1-2	1-2	2-3	1-2	2-3 v2.00 or greater																																																		
RP120 GEM	1-2	1-2	2-3	2-3	1-2 v2.02 or greater																																																		
RP120 BALDWIN	1-2	1-2	2-3	2-3	v2.02 or greater																																																		
Remove the secondary fuses F1, F2, F3, located on POWER AMPLIFIER & SUPPLY BOARD; turn on the instrument and verify the supply AC voltages: (CN5) between pin1 and pin3 = 10 ± 0,5Vac (CN9) between pin1 and pin2 = 16 ± 0,8Vac (CN9) between pin1 and pin3 = 16 ± 0,8Vac (CN9) between pin2 and pin3 = 32 ± 1,6Vac																																																							
Turn off the instrument, and put the fuses back on its holders.																																																							
Turn on the instrument and the appropriate welcome message appears on the display.																																																							
A few seconds later the led GRAND PIANO light. Check the supply DC voltages on CPU & SOUND GENERATOR BOARD: (CN8) between pin9 and pin7 = +5 ± 0,25Vdc (CN8) between pin1 and pin4 = +12 ± 0,6Vdc (CN8) between pin1 and pin5 = -12 ± 0,6Vdc	<pre> INTERNAL PRESET GRAND PIANO </pre>																																																						

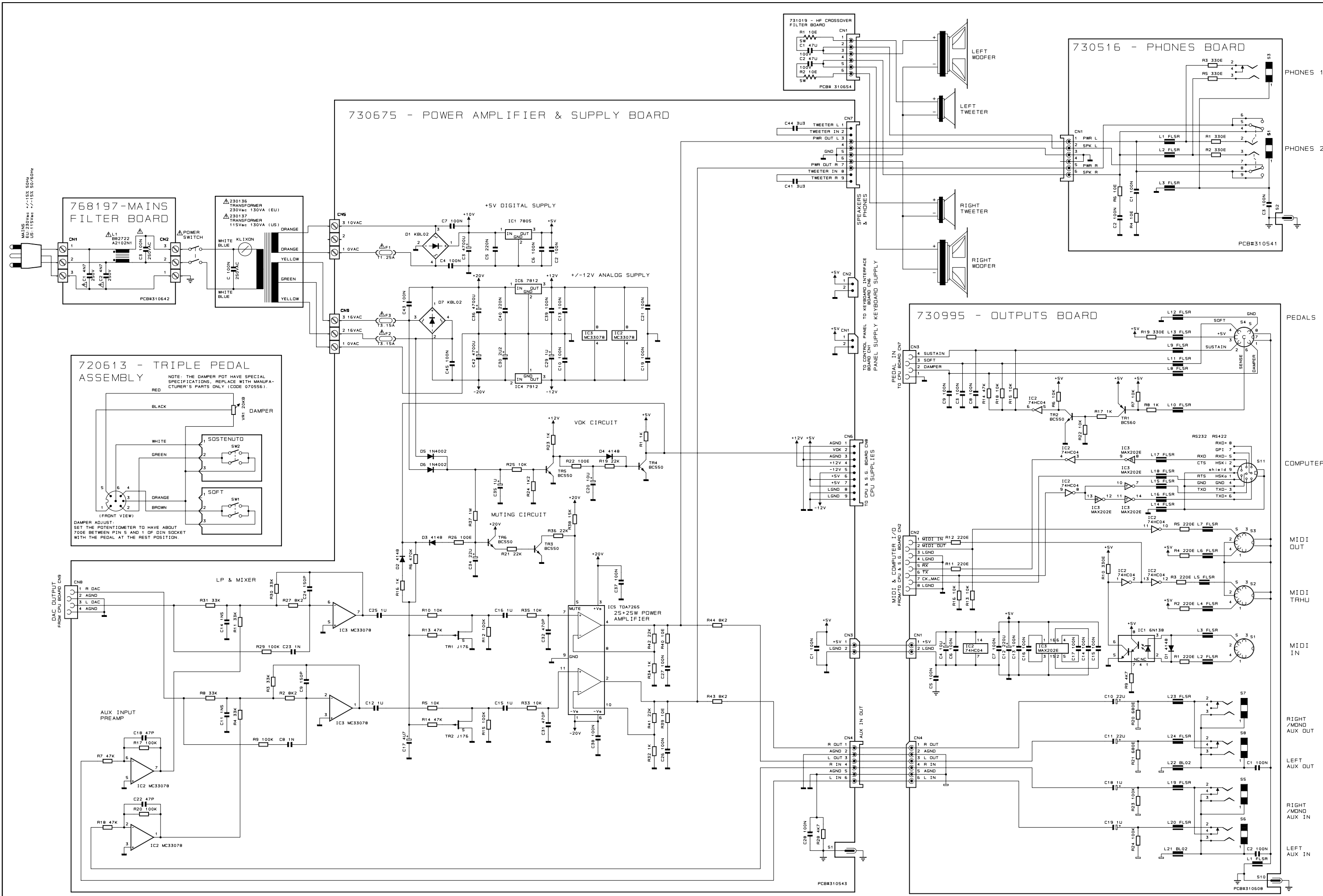
RP90-100-120-150 AUTOTEST PROCEDURE	
Operations Description	Display
The instrument starts in AUTOTEST mode turning on the instrument while pressing down the "GRAND PIANO" button (pressing PRESET instead GRAND PIANO the procedure starts from LCD display test). NOTE: Each time you press the "GRAND PIANO" button the autotest procedure proceeds to the next step.	<pre> RP98 AUTOTEST </pre>
Set the default display contrast in the ± 6 range by pressing the DATA + or - buttons.	<pre> CONTRAST = # </pre>
The instrument show the date, time and release version of the software loaded in flash memory.	<pre> mmm dd yyyy hh:mm:ss V #.## </pre>
The instrument asks if you want to update it, press GRAND PIANO to skip, the appropriate procedure to update the software is explained further.	<pre> EPROM to FLASH push REC to prog </pre>
The instrument performs the flash memory data checksum and display it in hexadecimal value. NOTE: the BT (boot) value must be 95C4 for ver.2.00, if it does not correspond you can not update software thru serial port but only with Update Software Board. For example version 2.02 have BT=95C4 PR=83B4 ALL=1978.	<pre> Wait * Eprom Checksum cks BT PR ALL #### #### #### </pre>
The instrument performs the Library ROM memory data checksum and display it in hexadecimal value (RP120 only).	<pre> Wait * Library Checksum Wait OK! Checksum A021 </pre>
The instrument performs the RAM memory test showing the address checked.	<pre> RAM MEMORY CHECK addr 23BFFF OK </pre>
The LCD display test shows two rows of sixteen dark spaces.	<pre> ██████████████████ ██████████████████ </pre>
Check that all leds are lighting.	<pre> --- LED TEST --- Are all leds on? </pre>
Check the VOLUMES ranges from 0 to 127. Check all buttons (except GRAND PIANO) pressing their one at a time and checking that corresponding led lights, pressing PAGE UP and DOWN buttons the display shows "U" and "D", pressing DATA + and - buttons the display shows "+" and "-", pressing BALANCE < and > buttons the display shows an "X" in 1 and 2 digits, pressing TOUCH, STORE and REC/CONTROL buttons the display shows an "X" in 3, 4 and 5 digits respectively.	<pre> Button test Vol:0 12345 U Button test + D Vol:127 XXXXX- </pre>
Check the SOFT and SUSTAIN pedals, pressing each one the value change from 0 (released) to 127 (pressed), for RP100 the DAMPER pedal operation is similar, for RP150 the DAMPER pedal varying its value continuously from 0 (released) to nearly 127 (pressed).	<pre> Soft Sust Damp 0 0 0 </pre>
Check the MIDI I/O connecting the MIDI OUT and MIDI IN sockets by a MIDI cable.	<pre> TEST MIDI IN/OUT LOOP DETECTED OK </pre>

Check COMPUTER I/O shorting pin 3 and pin 5 on the COMPUTER socket, check with the oscilloscope a 4Vpp (1Mhz) signal on pin 1, set volume to half stroke.	<pre> TST COMPUTER I/O LOOP DETECTED OK </pre>
The instrument generates a 1KHz sinusoidal signal in both audio channels. VOLUME fader controls the amplitude of signal and TRANSPOSE b and # buttons controls the frequency from 10Hz to 2756Hz.	<pre> SINUS. SWEEP Freq. 1000 Hz </pre>
Re-set the frequency at 1KHz and check HEADPHONES and AUX outputs with the oscilloscope inserting a stereo jack in the left phones socket (speakers will go be silent) and two mono jack in the AUX OUT sockets and set volume to its maximum.	
Now verify the following level of signals: Phones output without load = 17 ± 1.7Vpp AUX output = 1.35 ± 0.14Vpp	
Set the VOLUME to minimum.	
Apply a sinusoidal signal of 0.730Vpp at 1KHz with a generator to the AUX IN left and right sockets and verify the signal output: AUX output = 1.35 ± 0.07Vpp	
Autotest is over, turn off the instrument.	<pre> TEST END: SWITCH POWER TO RESTART </pre>

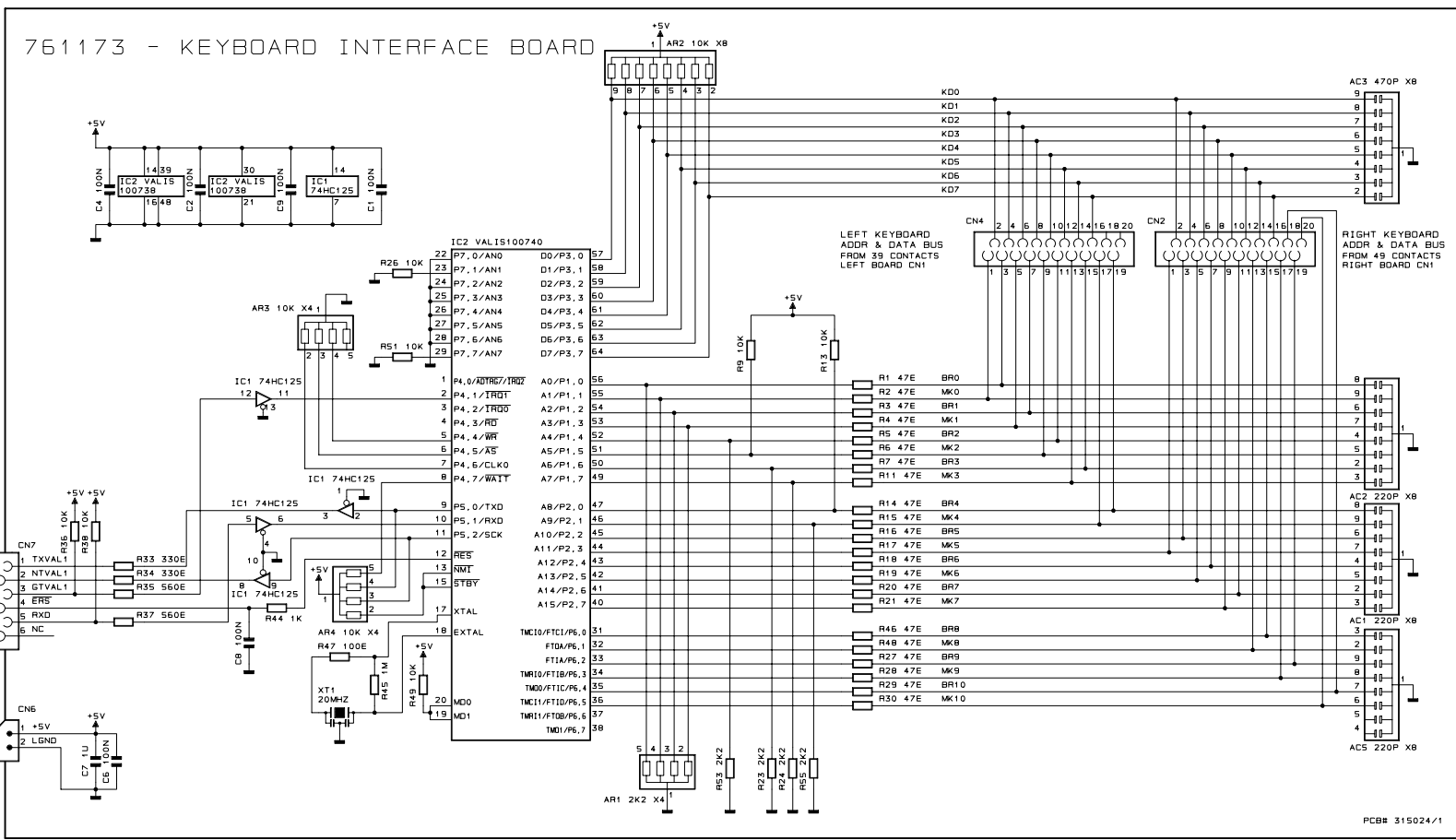
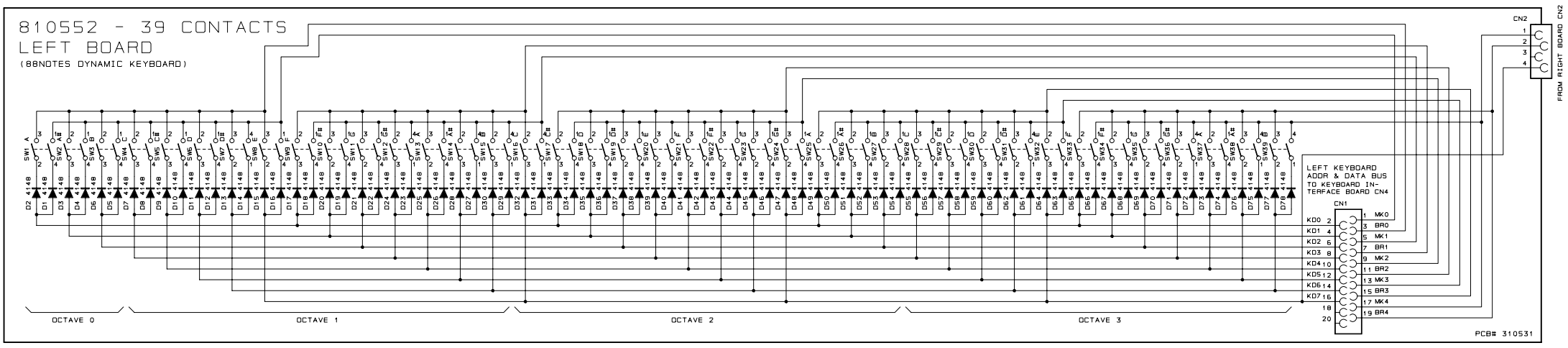
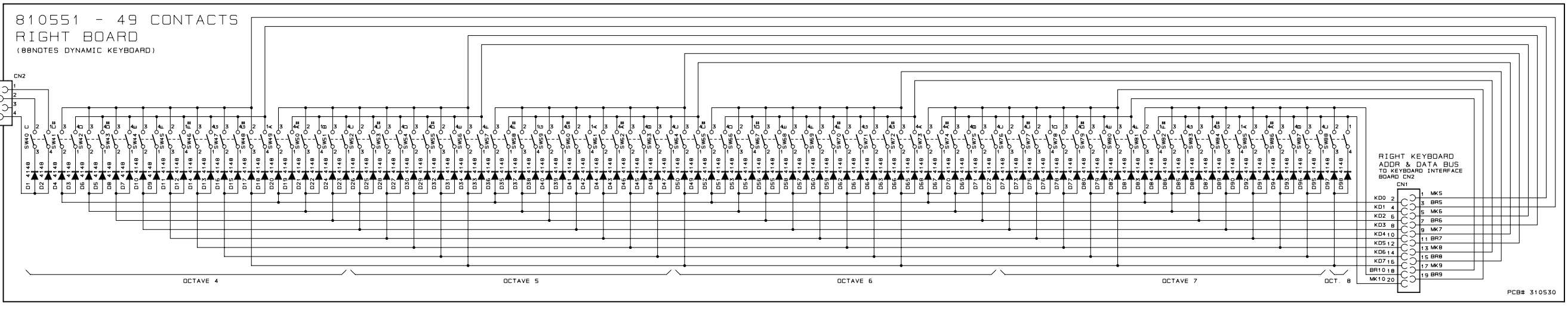
RP90-100-120-150 O.S. UPDATING PROCEDURE from Serial Port (COMPUTER) ver. 2.xx or greater	
Operations Description	Display
NOTE: This procedure is valid only if the software version installed on the piano is the 2.00 or greater. Some additional tips and advices are included in the Flashblaster Firmware Update Disk. The disk containing the Fblaster program can also be downloaded by internet at generalmusic web site (www.generalmusic.com) or required at support@generalmusic.com	
Connect the serial cable between the COMPUTER of the piano and the RS232 COM port of the computer (PC-Ibm or compatible).	
Insert the disk in the drive A (or whatever your 3.5" drive is assigned to), open the contents of drive A and double click on the fblaster.exe file.	
From the OPTIONS/SETTINGS menu, make sure that the TEST AND PROGRAM choice is selected. This is very important.	
Turn on the piano, while holding down the REC button until the display shows:	<pre> READY TO UPDATE </pre>
Click with the mouse on the GO! button or, from the ACTION menu, select EXECUTE (ALT+A, E). The piano display appears as follows:	<pre> TESTING... n1/n2 PACKETS </pre>
At the end of the test the following display appears:	<pre> TEST OK </pre>
After a short time, the following display appears:	<pre> ERASING... </pre>
You are now erasing the old operating system from FLASH memory. When the system is erased, the following display appears as your new operating system is installed into Flash Memory:	<pre> UPDATING... n1/n2 PACKETS </pre>
When the entire update procedure is completed, the following display appears:	<pre> UPDATE_OK:SWITCH POWER TO RESTART </pre>
The update has now been successfully completed. Turn off the power switch on the piano, and turn it back on again to use your updated instrument.	

RP90-100-120-150 Some Repairing Tips	
Operations Description	Display
This message could be appear if an error occur on the communication channel. Possible solutions: 1) inconsistent data received on MIDI or COMPUTER input socket, check the ratings of the device connected to the piano. 2) if the error persist, try to replace Outputs Board first and CPU board second.	<pre> MIDI SCI error </pre>
This message could be appear if an error occur on the communication channel. Possible solutions: 1) verify all the connections between Keyboard Interface Board and the CPU board. 2) if the error persist, try to replace Keyboard Interface Board first and CPU board second.	<pre> VALIS SCI error </pre>
This message could be appear if an error occur on the communication between CPU and DISP3 chips. Possible solutions: 1) verify all the tracks, solders and components between CPU and DISP3 chips as shown in schematics. 2) if the error persist, replace the CPU board and send back to generalmusic the failed CPU board.	<pre> Disp Failure </pre>

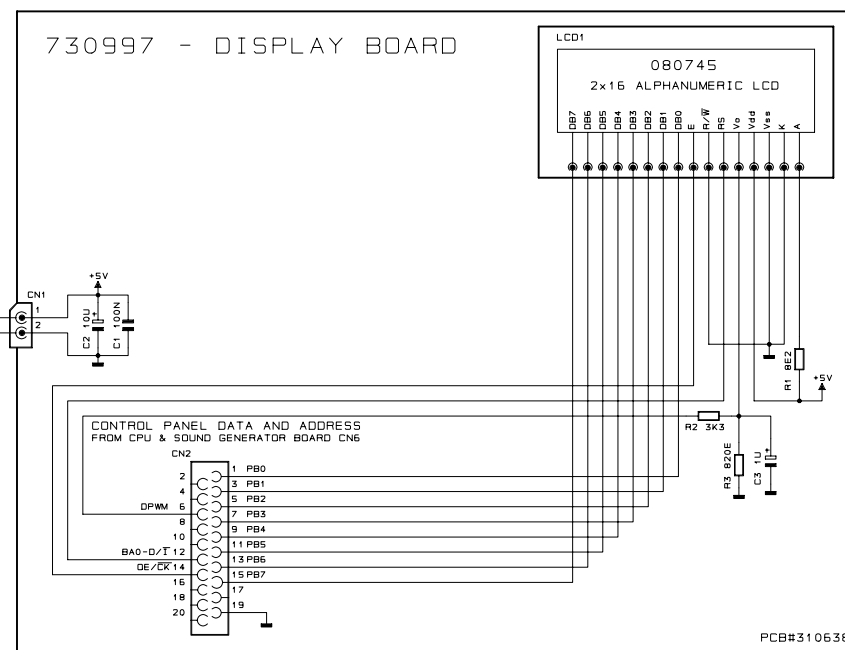
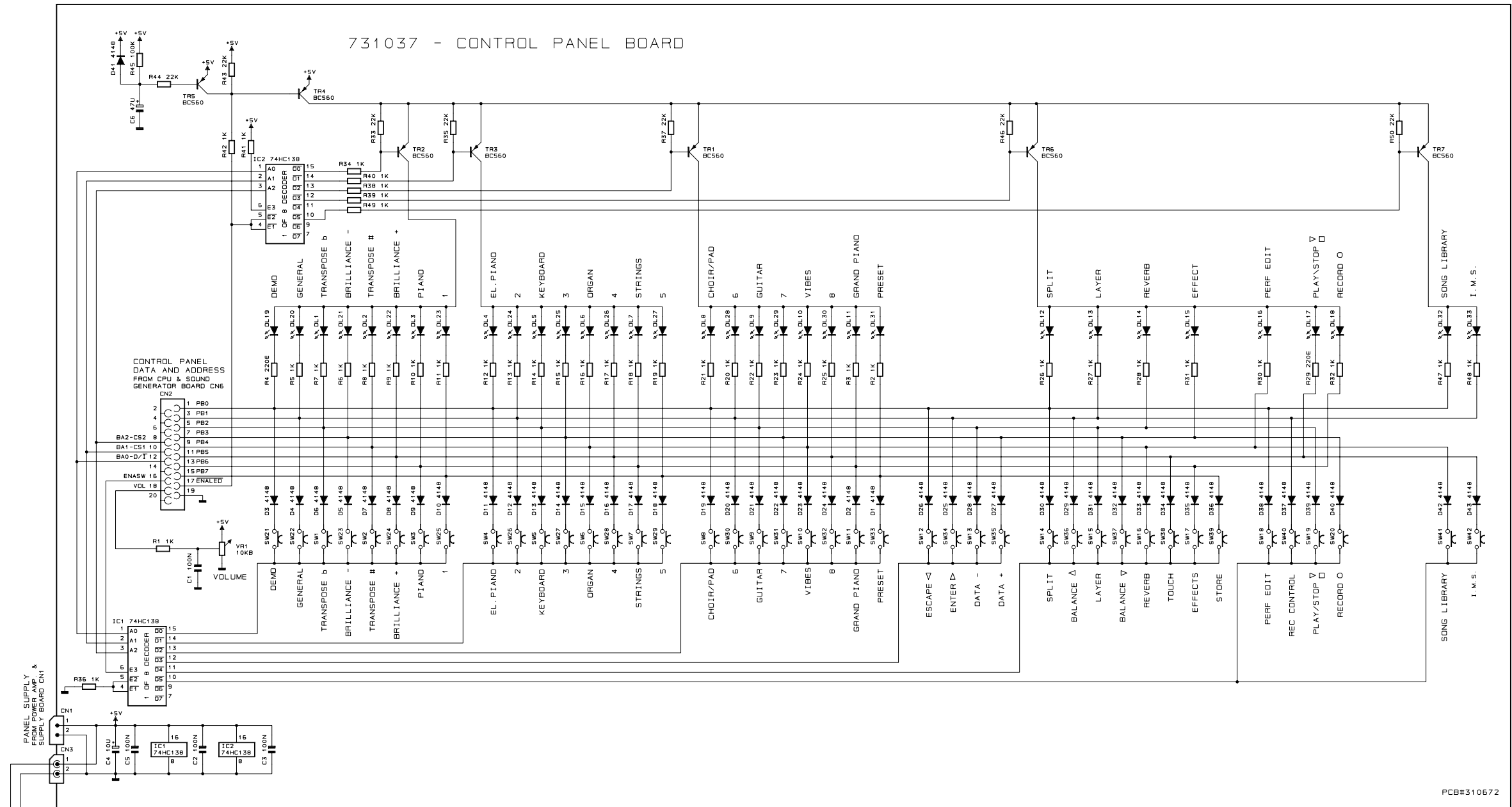




DRW G. BOCCATO	DWG# 500936	PCB# 310543 - 310608 - 310541	GENERALMUSIC S.p.A.
CKD I. BATELLI	DATE 02-02-01	DESCRIPTION RP120	ALL RIGHTS ARE RESERVED. NO COPIES OR REPRODUCTIONS WITHOUT WRITTEN CONSENT BY GENERALMUSIC
APP M. GALANTI	REV# A	POWER AMPLIFIER & SUPPLY BOARD	
		OUTPUTS BOARD - PHONES BOARD	



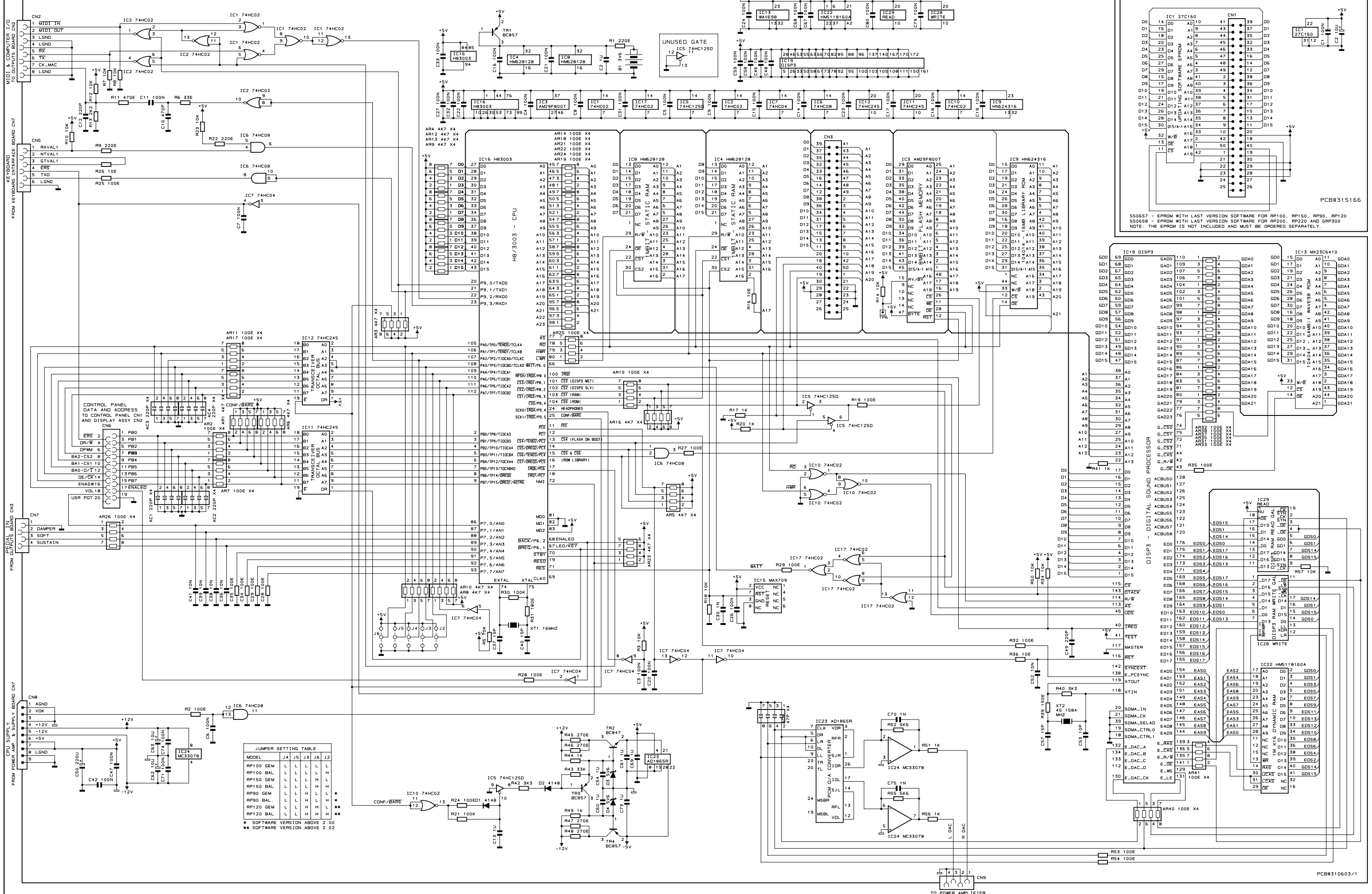
DRW	BOCCATO	OWG#	500875	PCB#	310531 - 310530 - 315024	GENERALMUSIC S.p.A.
DEPT.	DIG.PIANO	DATE	12/05/99	DESCRIPTION	RP100-150-200	ALL RIGHTS ARE RESERVED. NO COPIES OR REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMUSIC
PART#	1 OF 1	REV#	B	CONTACTS BOARD & KEYBOARD INTERFACE BOARDS		



DRW G. Boccato	DWG# 500940	PCB# 310672 - 310638	GENERALMUSIC S.p.A.
CKD I. Battelli	DATE 02-02-01	DESCRIPTION RP 90-100-120-150	ALL RIGHTS ARE RESERVED. NO COPIES
APP M. Galanti	REV# B	CONTROL PANEL BOARD	OR REPRODUCE THIS DOCUMENT WITHOUT
		DISPLAY BOARD	WRITTEN CONSENT BY GENERALMUSIC

761214 - CPU & SOUND GENERATOR BOARD

751180 - UPDATING SOFTWARE BOARD

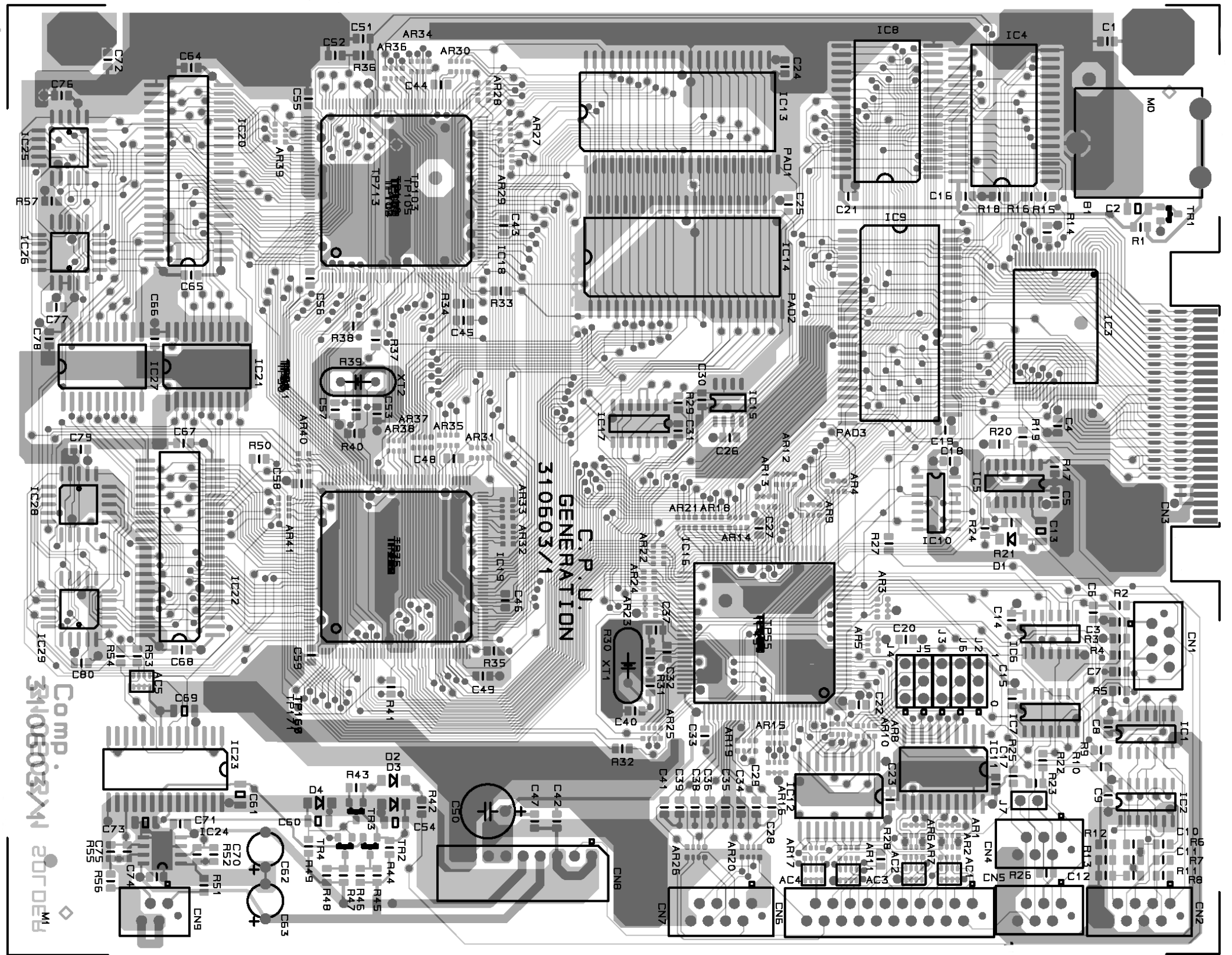


JUMPER SETTING TABLE

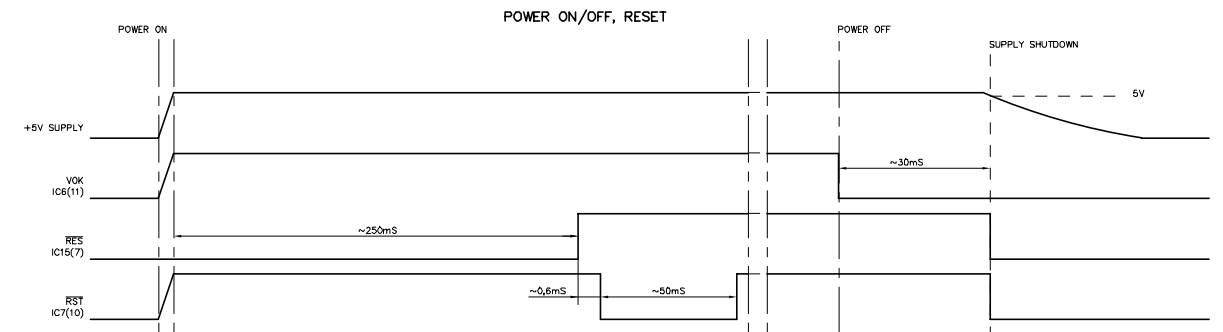
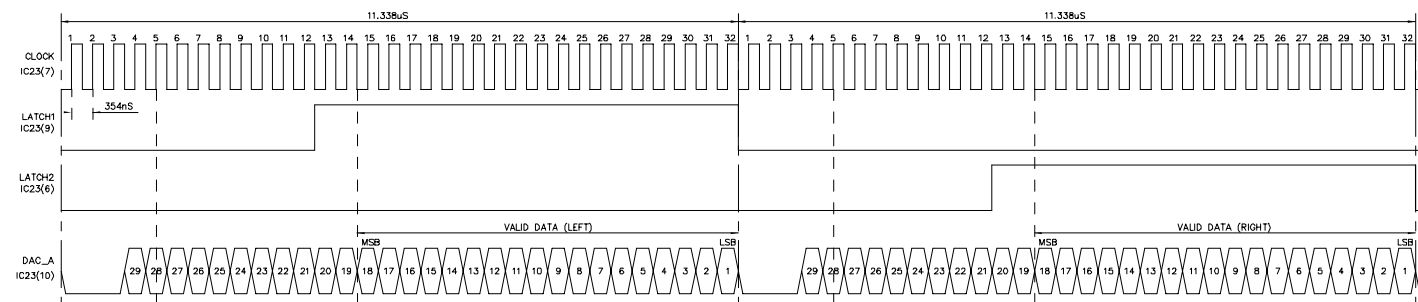
MODEL	J4	J5	J3	J6	J2
RP100 GEM	L	L	L	L	L
RP100 BAL	L	L	L	L	H
RP150 GEM	L	L	L	L	L
RP150 BAL	L	L	L	L	H
RP90 GEM	L	L	L	L	L
RP90 BAL	L	L	L	L	H
RP120 GEM	L	L	L	L	L
RP120 BAL	L	L	L	L	H

* SOFTWARE VERSION ABOVE 2.00
 ** SOFTWARE VERSION ABOVE 2.02

550657 - EPROM WITH LAST VERSION SOFTWARE FOR RP100, RP150, RP90, RP120
 550658 - EPROM WITH LAST VERSION SOFTWARE FOR RP200, RP220 AND GRP300
 NOTE: THE EPROM IS NOT INCLUDED AND MUST BE ORDERED SEPARATELY.



PCM SERIAL DATA BUS



NOTE: ALL COMPONENTS PIN REFERENCE ARE LOCATED ON "CPU & SOUND GENERATOR BOARD" UNLESS OTHERWISE SPECIFIED.

DRW G. Boccato	DWG# 500869	PCB#
CKD	DISK: PRT:1/1	Timing Table & 310603 Board Layout
APP.	REV: 03/08/99	

GENERALMUSIC S.p.A. ITALY
ALL RIGHTS ARE RESERVED. NO COPIES OR REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMUSIC.

RP series FAQ

Questions		Answers
1	What do the pedals make?	<p>Soft (left pedal): This pedal is a switch control pedal (on/off) and affects the timbre of the instrument such that it plays softer, allowing you to continue using the same playing style at a lower volume.</p> <p>Sostenuto only for some models (centre pedal): This pedal is a switch control pedal (on/off) which sustains the notes of the key currently depressed, all new notes played after having depressed the pedal are not affected, this pedal operates like a grand piano centre pedal.</p> <p>Damper (right pedal): This pedal applies the sustain effect to all notes released. If you release a note after depressing the damper, the note will proceed towards its natural decay according to the type of sound played.</p> <p>The Damper pedal is particularly effective with Piano type sounds, it is controlled by a "Damper Physical Model" patented by Generalmusic.</p>
2	Why do the uppermost keys play always sustained?	For all piano sounds the notes from E6 to C8 are automatically sustained such as in an acoustic piano.
3	Why do all pedals work in reverse mode?	The instrument reads the status of the pedals at the power on and assume this status (normally open or normally closed depends by the type of pedal) as the default status in the rest position. The pedals must be inserted before you switch on the instrument.
4	Why do some pedal work in reverse mode?	For the same reason explained first you have not to press a pedal while the instrument is switched on and until it is ready to use.
5	I have replaced the DAMPER pedal potentiometer, how do I let position it correctly?	Set the potentiometer to have about 700 ohm between pin 5 and 1 of DIN plug with the pedal at the rest position. Note: the Damper potentiometer have a special resistive stroke, when you replace it use the manufacturer's part only (code 070556).
6	How can I do a complete SYSTEM RESET ?	Turn on the instrument while pressing down the "General" button. Each time you do an autotest procedure a system reset is performed.
7	Why does not the instrument respond correctly to the key pressed on keyboard after I have replaced the CPU Board?	If the CPU Board replaced is the right type check the jumper setting on it as described on this service manual and execute a complete Autotest.
8	Why does not the instrument respond correctly to the button pressed on controls panel after I have replaced the CPU Board?	If the CPU Board replaced is the right type check the jumper setting on it as described on this service manual and execute a complete Autotest.
9	Why does not the instrument respond correctly to the pedal pressed after I have replaced the CPU Board?	If the CPU Board replaced is the right type check the jumper setting on it as described on this service manual and execute a complete Autotest.
10	Why does not the Instrument retain the user presets and data?	After a long period of inactivity may be occur that the internal battery backup have not a sufficient time for re-charging during the normal activity, try to leave the instrument switched on for about 12-14 hours. Afterwards if the instrument will lost the data again, replace the battery.

Spare Part List

Legend

- EU = Specify European Version (230Vac)
- US = Specify United States Version (115Vac)
- R = Rosewood Finish
- B = Gloss Black Finish
- M = Mahogany Finish
- Gem = Gem Version
- Baldwin = Baldwin Version

Code Description

Optional Accessories

- 130301 2mt Midi Cable
 - 970296 **Pianist's Bench (R)**
 - 970297 **Pianist's Bench (B)**
 - 970319 **Pianist's Bench (M)**
- Accessories**
- 271307 Owner's Manual (Italian-English-French-German) (Gem)
 - 271308 Owner's Manual (English-French-Spanish) (Baldwin)
 - 130274 Mains Cable (EU)
 - 130276 Mains Cable (US)

Consolette

- 970390 **RP120 Stand Assembly (R)**
- 970391 **RP120 Stand Assembly (B)**
- 970392 **RP120 Stand Assembly (M)**
- 720613 * Triple Pedal Assembly (replace entirely)
- 660698 * Front Reinforcement Bar for Lower Crossbar
- 660697 * Rear Reinforcement Bar for Lower Crossbar
- 660632 * Cabinet Support
- 660407 * Support for Rear Panel
- 510308 * Wooden Parts (R)
- 510309 * Wooden Parts (B)
- 510310 * Wooden Parts (M)
- 262291 ** Lower Crossbar (R)
- 262292 ** Lower Crossbar (B)
- 262293 ** Lower Crossbar (M)
- 262290 ** Upper Crossbar (R)(B)(M)
- 262283 ** Right Leg (R)
- 262284 ** Right Leg (B)
- 262285 ** Right Leg (M)
- 262280 ** Left Leg (R)
- 262281 ** Left Leg (B)
- 262282 ** Left Leg (M)
- 340959 * Plastic Foot (R)(M)
- 340943 * Plastic Foot (B)
- 340945 * Circular Anti-Slip Plastic Foot
- 340116 * Adhesive Clamp For Pedals Cable
- 271309 * Installation Instructions
- 210021 * 1x15mm Adhesive Red Felt (specify mt)
- 210018 * 1x5mm Adhesive Red Felt (specify mt)
- 171814 * S-Reinforcement for Lower Crossbar
- 171785 * Pedals Support
- 171776 * Foot Reinforcement
- 129093 * WL5x80ts Screw
- 120687 * Barrel Nut
- 120686 * Conical Screw
- 120685 * Threaded Rod
- 120681 * MA6x13 Sleeve
- 120600 * M4 Self-Locking Nut
- 120523 * 6mm Black Spring Washer
- 120463 * 4.3x12.5x1 Black Washer
- 120374 * WL4x15tt Black Screw
- 120336 * WL4x25tt Black Screw
- 120070 * M6x20tc Black Screw

Cabinet

- 710625 **Cabinet Assembly (R)**
- 710626 **Cabinet Assembly (B)**
- 710627 **Cabinet Assembly (M)**
- 710631 * Cover Assembly (R)
- 710632 * Cover Assembly (B)
- 710633 * Cover Assembly (M)
- 660699 ** Front Panel Finishing (R)(M)
- 660639 ** Front Panel Finishing (B)
- 340960 ** Music Stop (R)(M)
- 653503 ** Music Stop (B)
- 262287 ** Cover (R)
- 262288 ** Cover (B)
- 262289 ** Cover (M)
- 262271 ** Fillet
- 120463 ** 4.3x12.5x1 Black Washer
- 120322 ** WL4x15tc Black Screw

- 120288 ** WL3x20tc Black Screw
- 710628 * **Keyboard Cover Assembly (R)**
- 710629 * **Keyboard Cover Assembly (B)**
- 710630 * **Keyboard Cover Assembly (M)**
- 660689 ** Front Handle for Keyboard Cover (R)(M)
- 660612 ** Front Keyboard Cover Handle (B)
- 660645 ** Rear Keyboard Cover Bar
- 340922 ** Plastic Sliding Cap for Handle
- 340811 ** Toothed Wheel
- 340119 ** Bush
- 261972 ** Keyboard Cover (R)
- 262141 ** Keyboard Cover (B)
- 262142 ** Keyboard Cover (M)
- 210017 ** 2x10mm Adhesive Black Felt (specify mt)
- 210016 ** 1x10mm Adhesive Black Felt (specify mt)
- 171335 ** Toothed Wheel Bar
- 120690 ** Toothed Wheel Lock
- 120310 ** WL3.5x10tt Black Screw
- 660410 * Speakers Protection Grid
- 660405 * 50x240mm Heatsink Grid
- 510299 * Wooden Parts (R)
- 510300 * Wooden Parts (B)
- 510301 * Wooden Parts (M)
- 262286 ** Rear Panel (R)(B)(M)
- 262271 ** Fillet
- 262260 ** Keyboard Cross-bar (R)
- 262311 ** Keyboard Cross-bar (B)
- 262312 ** Keyboard Cross-bar (M)
- 261968 ** Left Side (R)
- 262137 ** Left Side (B)
- 262138 ** Left Side (M)
- 261967 ** Right Side (R)
- 262135 ** Right Side (B)
- 262136 ** Right Side (M)
- 340904 * Toothed Bar
- 340116 * Adhesive Clamp For Pedals Cable
- 210054 * 1x5mm Adhesive Spik (specify mt)
- 171804 * Keyboard Crossbar Angular Fixing
- 171606 * Angular Reinforcement
- 171331 * Left Cover Clamp
- 171330 * Right Cover Clamp
- 120684 * M4x10 Sleeve
- 120681 * MA6x13 Sleeve
- 120346 * WL4x20tc Black Screw
- 120336 * WL4x25tt Black Screw
- 120329 * WL3x20ts Black Screw
- 120322 * WL4x15tc Black Screw
- 710643 **Music Stand Assembly (R)(Gem)**
- 710645 **Music Stand Assembly (B)(Gem)**
- 710647 **Music Stand Assembly (M)(Gem)**
- 710642 **Music Stand Assembly (R)(Baldwin)**
- 710644 **Music Stand Assembly (B)(Baldwin)**
- 710646 **Music Stand Assembly (M)(Baldwin)**
- 660406 * Stop Pinch Bar for Music Stand
- 323062 * Adhesive Bumpon Rubber
- 262051 * Music Stand (R)
- 262220 * Music Stand (B)
- 262222 * Music Stand (M)
- 171361 * Music Stand Hinge
- 120289 * WL3x10ts Black Screw
- 120272 * WL3x10tc Black Screw
- 653470 Left Cheek Block for Keyboard (R)(M)
- 653433 Left Cheek Block for Keyboard (B)
- 653469 Right Cheek Block for Keyboard (R)(M)
- 653432 Right Cheek Block for Keyboard (B)
- 340933 5x5.9x12 Insulated Bush
- 340916 Button for Power Switch
- 340329 Rubber Bush for Cable
- 340075 PC-Board Spacer
- 323069 11.1X5mm Bumpon Rubber
- 210216 Adhesive Rubber Foam 20x5mm (Specify mt)
- 210054 1x5mm Adhesive Spik (specify mt)
- 180779 210x62mm "Gem" Adhesive
- 180675 40.5x12 "Gem" Adhesive Plate
- 180674 20x24mm "GM" Logo Adhesive Plate
- 180781 75x17mm "Pianovelle" Adhesive
- 180780 210x62mm "Baldwin Pianovelle" Adhesive
- 180676 82x13.3mm "Baldwin" Logo Adhesive Plate
- 171638 Mains Switch Support
- 120600 M4 Self-Locking Nut
- 120581 M3 Black Self-Locking Nut
- 120522 4mm Black Spring Washer
- 120521 3mm Black Spring Washer
- 120476 5.5x15x1.5 Black Washer
- 120463 4.3x12.5x1 Black Washer

