SCHEMATIC DIAGRAMS MOD.

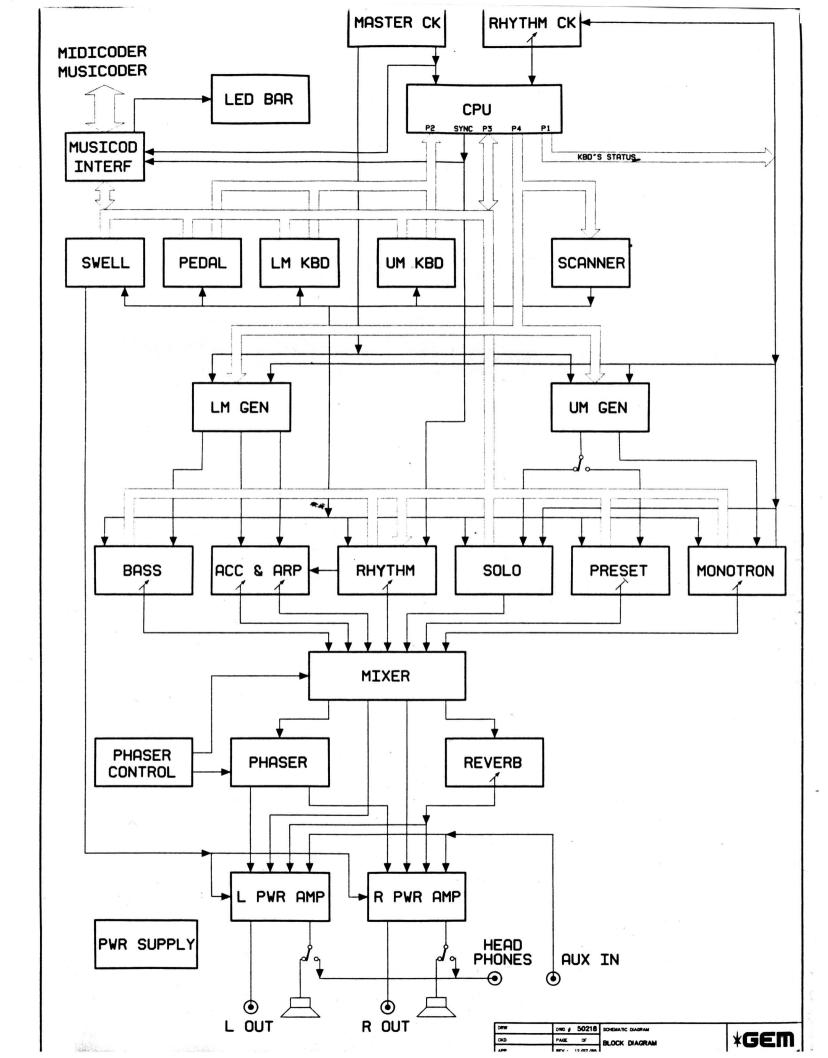
H-200D

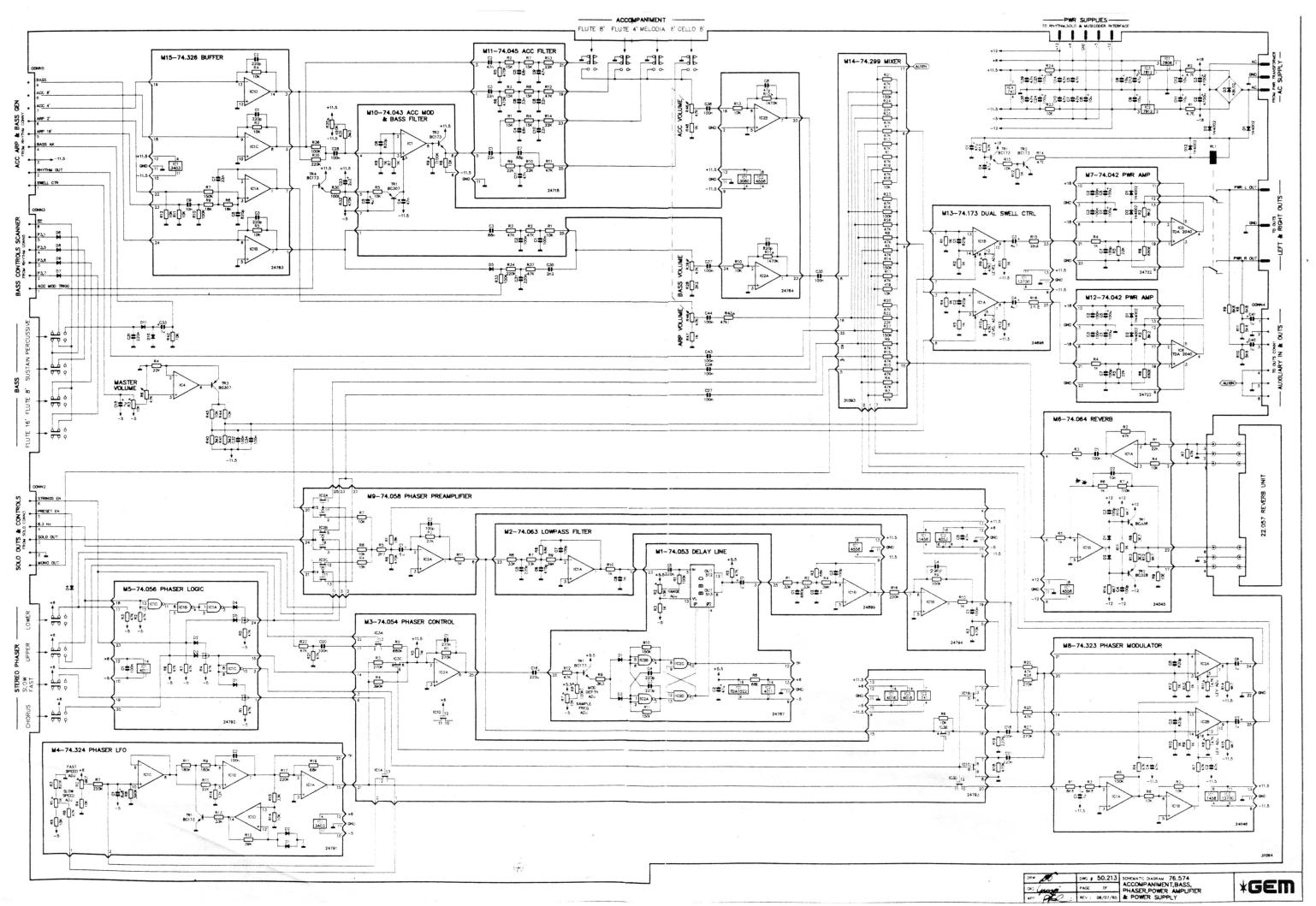
ELECTRONIC ORGAN

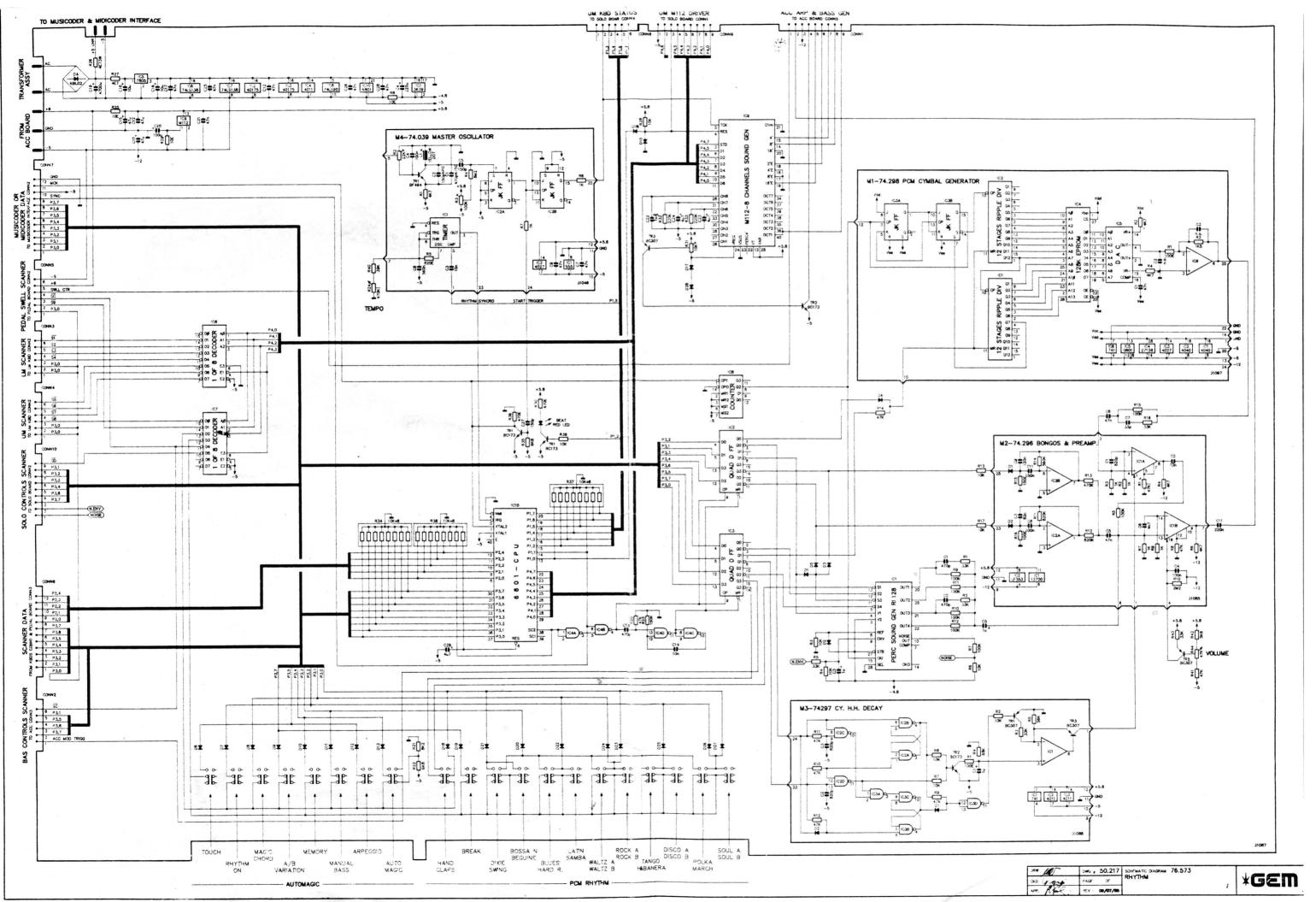


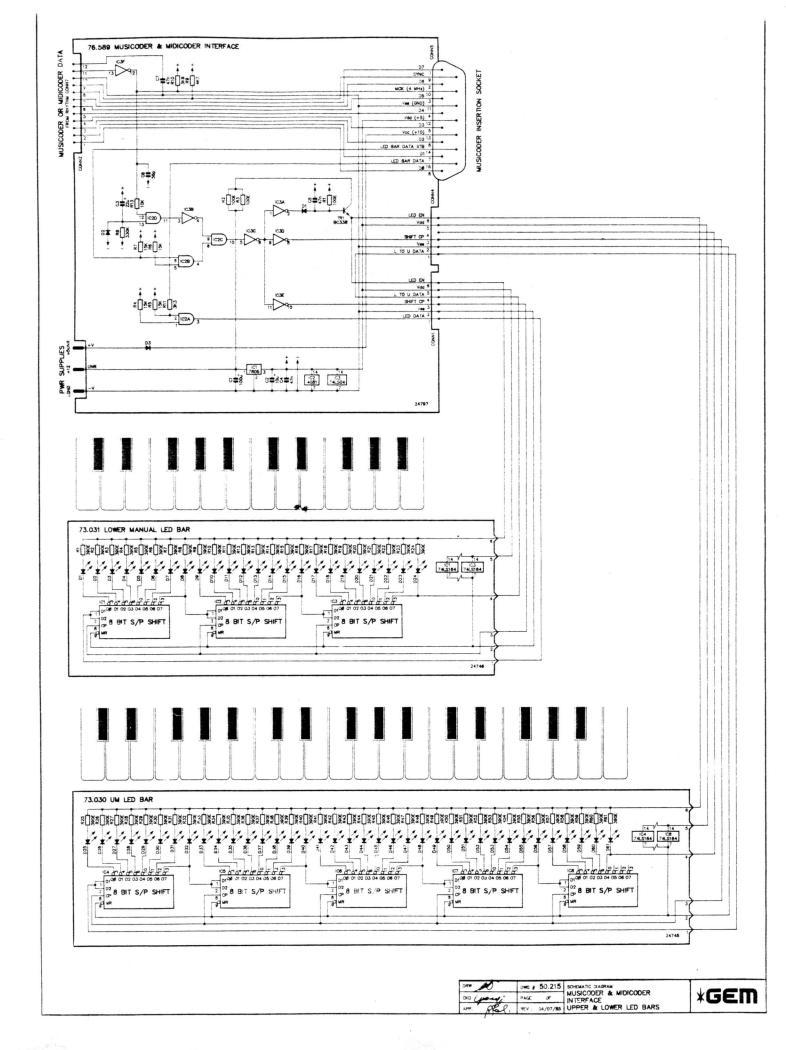


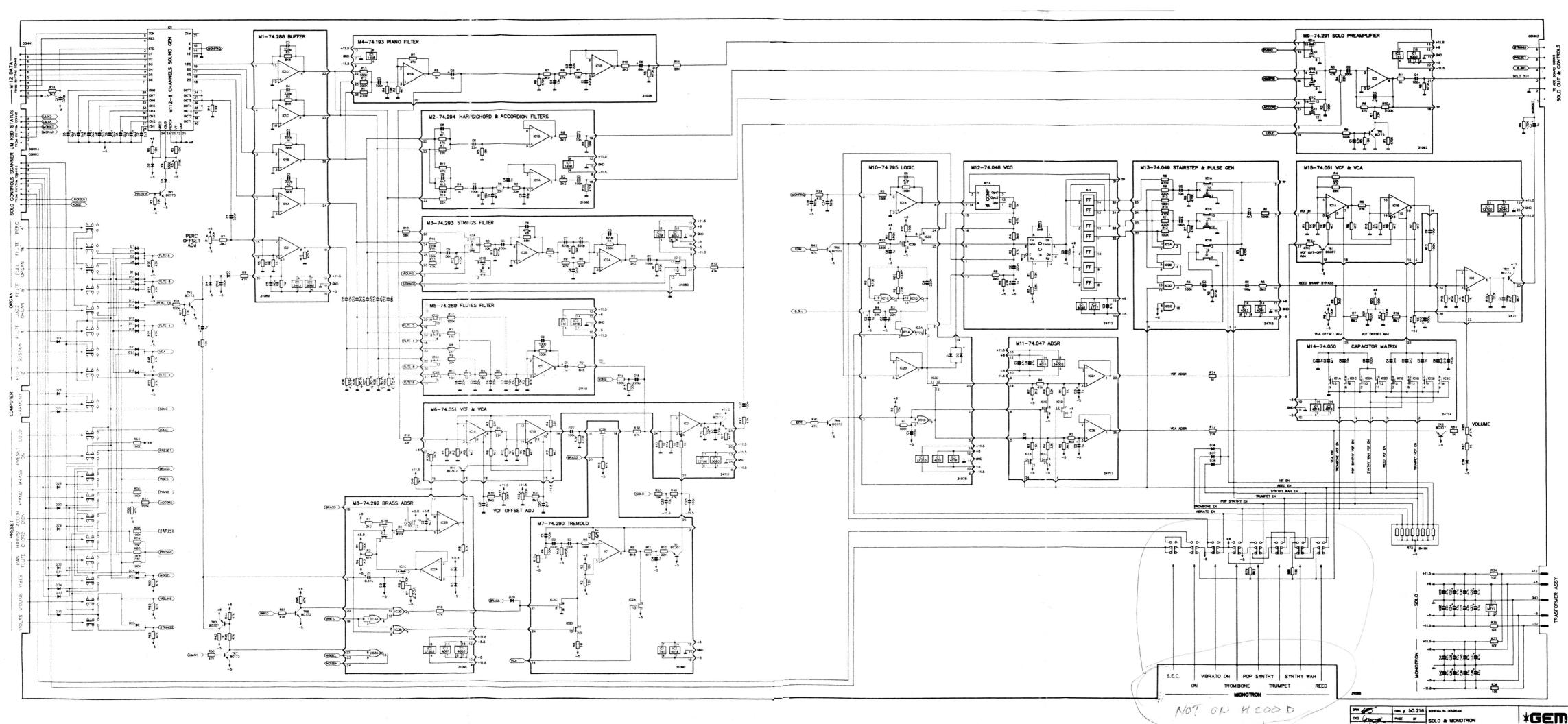
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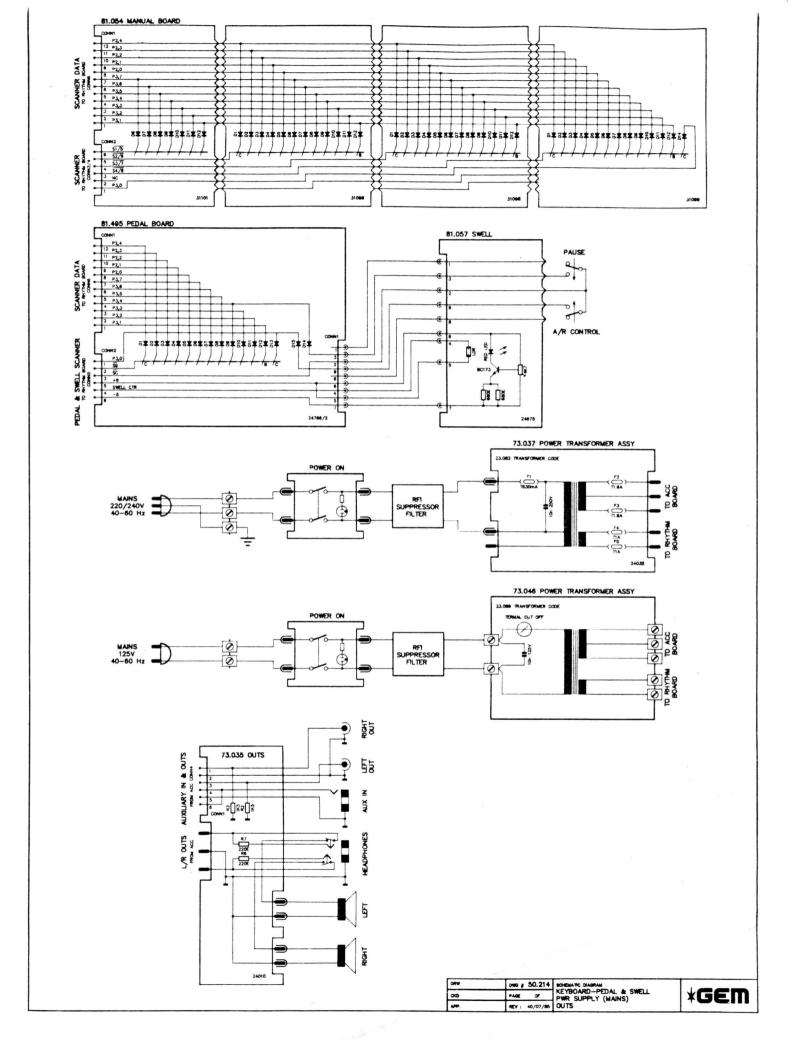








F	ADJUSTMENT TYPE	TEST POINT	TAB" ON"	KEYS PRESSED	OPERATION POINT	READING VALUES	NOTES ALL TEST ARE HADE WITH EXPRESSION PEDAL AT HAX, VOL. AND THE POTENTIONETERS AT HAX, POSITION
1	ORGAN PITCH	SPEAKER	FLUTE 16'	ONE	OSCILLATOR COIL		USE THE STROBOTUMER
	MASTER CLOCK THRESHOLD	PIN 1 IC2 OF M4 (RHYTHM BRD.)			R3 OF M6 (RHYTHM BOARD)	DUTY CICLE 50x	USE PROBE 18-1 REFERRED TO -5V
3	SOLO M112 V. SUST.	R17 SIDE PIN 25 OF M6 (SOLO BRD.)	FLUTE 16'	CENTR. C	R3 ON SOLO BOARD	CONSTANT	REPERTING THE KEY ACTION THE LEVEL HUST NEVER CHANGE
4	FLUTE LEVEL	: :	FLUTE 16'	:	R15 OF M6 (SOLO BOARD)	350 HVPP	
5	PERC. 4" LEVEL	: :	PERC. 4"		R7 OF M1 (SOLO BOARD)	350 MVPP	REPERT THE KEY ACTION
6	PERC. 4° OFFSET		PERC. 4'	LAST C	R1 SOLO BOARD		ADJUST OFFSET UNTIL TO CANCEL ACQUISTIC CLICK
7	PRESET FLUTES LEV.	R11 SIDE IC1 OF M9 (SOLO BRD.)	FLUTE 16'	CENTR. C	R1Ø OF M9 (SOLO BOARD)	350 MVPP	
8	PRESET LEVEL	: :	PRESET ON PIANO	•	R2 OF M9 (SOLO BOARD)	400 HVPP	
9	RIGHT AMP.LEVEL	RIGHT SPEAKER	FLUTE 16°	•	R10 OF M13 (ACCOMP. BOARD)	3 VPP	
10	LEFT AMP.LEVEL	LEFT SPEAKER	FLUTE 16°	•	R9 OF M13 (ACCOMP. BOARD)	3 VPP	
	RIGHT CH.OUT LEVEL CONTROL	"RIGHT OUT" PLUG	FLUTE 16°	:		490 MVPP	
121	LEFT CH.OUT LEVEL CONTROL	*LEFT OUT* PLUG	FLUTE 16'	•		400 MVPP	
13	BRASS ATTACK TIME	C2 SIDE IC3 OF M8	PRESET ON BRASS	:	R6 OF M8 (SOLO BOARD)	100 MS	
14	BRASS OFFSET		: •	LAST C	R32-R33 (SOLO BOARD)		REPEATING THE KEY ACTION ADJUST OFFSET UNTIL TO CANCEL ACQUISTIC CLICA
15	VIB.OSCILLATOR	R6 SIDE IC1 OF M10 (SOLO BRD.)	MUDULATION		R8 OF M10 (SOLO BOARD)	155 MS	
16	VIBRAPH. •	R9 SIDE IC1 OF M7 (ACC. 8RD.)	PRESET ON VIBRAPH.		R7 OF M7 (SOLO BOARD)	200 MS	
17	FAST LESLIE	TR1 BASE OF M4 (ACC. BRD.)	FAST		R2 OF M4 (ACCOMP. BOARD)	160 MS	WAIT FOR 18 SEC., UNTIL TO STEADY STATE VALUE
18	SLOW LESLIE	: :	SLOW		R1 OF M4 (ACCOMP. BOARD)	1.6 S	WAIT FOR 18 SEC., UNTIL TO STERBY STATE VALUE
19	DELAY LINE	R11 OF M1 (ACC. BRD.)	CHORUS		R7 OF M1 (ACCOMP. BOARD)	16 US	VITH R8 OF H11 TURNED ON CLOCKVISE, THE PERIOD TIME VILL HOVE GROUND 16 US
20		: :	•		R8 OF M1 (ACCOMP. BOARD)	10US-22.5US	
21	SLOW LESLIE CONTR.	: :	SLOW			14US-18 US	
22	FAST LESLIE CONTR.	: :	FAST			15. 5US-17US	
23	LESLIE V.C.A. (RIGHT CH.)	RIGHT SPEAKER	FLUTE 16' ORGAN V.	1ST C	R11 OF M8 (ACCOMP. BOARD)	3 VPP	READ THE VOLTAGE VALUE, SWITCH UPPER TAB AND ROJUST RB TO HAVE THE SAME MAX. VALUE READ BEFORE
24	LESLIE V.C.A. (LEFT CH.)	LEFT SPEAKER	: :	:	R8 OF M8 (ACCOMP. BOARD)	3 VPP	:
25	M112 ACC. V. SUSTAIN	TR2 COLLECTOR (RHYTHM BRD.)	BASS FLUTE 8'	1ST C PEDALKBRD	R31 RHYTHM BOARD	CONSTANT	REPEAT THE KEY ACTION UNTIL TO OBTAIN A SMALL LEVEL
26	BASS LEVEL	RIGHT SPEAKER	: .	•	R11 OF M10 (ACCOMP. BOARD)	5. 5 VPP	
27	FLUTES ACC.LEVEL	LEFT SPEAKER	ACC. FLUTE 8'	CENTR. C	(ACCOMP. BOARD)	3 VPP	
28	"MELODIA""CELLO"		WELODIA 8.		R9 OF M10 (ACCOMP. BOARD)	2.5 VPP	
29	RHYTHM LEVEL	R4 SIDE IC1 OF M2 (RHYTHM BRD.)	DRUM TOUCH SWING	:	R11 OF M2 (ACCOMP. BOARD)	2 VPP	THIS TEST IS NADE WITH R7 OF M1 (RHYTHM BRD.) TURNED ON THE CLOCKVISE REPERT THE KEY ACTION AND MAKE THE TEST ON 1ST RHYTHM AXIS
30	ARPEGGIO -	LEFT SPEAKER	ARPEGGIO TOUCH SWING	:	R43 ACCOMP. BOARD	2.8 VPP	REPERT THE KEY ACTION AND HAKE THE TEST ON 1ST NOTE
31	MONOTRON -	TR2 EMITTER OF M15	MONOTRON ON TRUMPET	CENTR. C	R15 OF M15 (SOLO BOARD)	1.3 VPP	
32	• •	LEFT SPEAKER		:	R15 OF M15 (SOLO BOARD)	4 VPP	45
33	MONOTRON V.C.O. ADJUST.	PIN 23 OF M10	MONOTRON ON	:	RS OF M12 (SOLO BOARD)	-2.5 V	REFERRED TO GNO
34	MONOTRON V.C.F. ADJUST.	TR2 EMITTER OF M15	MONOTRON ON REED	LAST C	R12 OF M15 (SOLO BOARD)	MAX.	ADJUST UNTIL TO HAVE THE MRX. SINUSCIDAL SIGNAL
35	MONOTRON V.C.A. OFFSET		MONOTRON ON TRUMPET	CENTR. C	R67 SOLO BOARD		REPEATING THE KEY ACTION ADJUST UNTIL MIN. OFFSET
36	MONOTRON V.C.F. OFFSET		:	:	R64-R65 SOLO BOARD		ADJUST UNTIL MIN.OFFSET. THE TWO TRIMMER ARE INTERACTIVE. THIS ADJUSTMENT MUST BE MADE AFTER V. C. R. OFFSET ROJUSTMENT
37	REVERB	R13 SIDE BOTTOM OF M6	FLUTE 16' (ORGAN)	:	R7 OF M6 (ACCOMP. BOARD)	1 VPP	VITH REVERS POTENTIONETER AT MAX. POSITION



DESCRIPTION	VERS.	CODE	DESCRIPTION VER	s. (CODE
MAINS SWITCH	125V	11.237	DEEP GREEN PUSH BUTTON CAPS	1	15. 813
•	22ØV	11.239	LAND BROWN		15. 814
MAINS CORD ASSY	125V	73. Ø91	OLD IVORY		15. 815
	22ØV	73. 077	YELLOW		15. 816
POWER CORD	125V	13. 289	SAGE GREEN " "		15. 817
	22ØV	13. 294	OXIDE RED DOUBLE " " "		15. 804
CORD LOCK	125V	15. Ø28	LIGHT BROWN ROTARY POT. KNOB	1	15. 570
	22ØV	15.021	DEEP GREEN	1	15. 571
POWER TRANSFORMER ASSY	1257	73. Ø46	LAND BROWN	1	15. 572
	22ØV	73. Ø37	OXIDE RED		15. 574
TRANSFORMER	125V	23. Ø86	OLD IVORY	1	15. 575
, -	22 0 V	23. Ø82	SAGE GREEN " "	1	15. 573
·			KNOB LOCK-WASHER		15. 538
KEYBOARD ASSY		50.001	POTENTIOMETER ADAPTER		15.661
C KEY		15 . 771	ADAAPTER LOCK SPRING		16. Ø84
D •		15 . 772	ACTUATOR FOR SWITCH		15. 532
E •		15.773	RED LED		08.705
F •		15 . 774	UPPER MANUAL LED BAR	7	73.030
G •		15. <i>77</i> 5			
А •		15 . 776	SWELL PEDAL ASSY		79 . Ø51
В •		15. 777			
LAST C •		15 . 778	PEDAL BOARD ASSY	7	72.127
SHARP •		15.613	PEDAL SPRING CONTACT		16 . Ø 55
RETURN SPRING FOR NATURAL KEY		16. 106			
- SHARP KEY		16. 107	IN/OUT ASSY		73. Ø33
RUBBER CONTACT ARRAY C THROUGH E		15. 506	HEADPHONE JACK SOCKET	3	14. 205
F THROUGH B		15 . 507	AUX IN		14. 204
LAST C		15.622	OUTPUT RCA SOCKET		11.502
UPPER LEFT CHEEK BLOCK	WALNUT	15. 833			
	MAHOGANY	15. 793	LOUDSPEAKER		22.071
RIGHT -	WALNUT	15. 835	REVERB UNIT	i	22 . 0 57
	MAHOGANY	15. 795			
LOVER LEFT •	WALNUT	15. 832	CABINET WALNU		71.081
	MAHOGANY	15. 792	• MAHO(71.080
RIGHT		15. 798	SLIDING FOR CABINET WALNU		15.555
MUSICODER HOUSING COVER	MAHOGANY	15. 799	THEOR		15. 829
KEYBOARDS SEPARATOR	WALNUT	15.830	MUSIC STAND WALNU		15.648
	MAHOGANY		ПНПОС		15. 738
CONTACT BOARD		81. 054	MUSIC STAND HOLDER WALNU		15. 552
LOWER MANUAL LED BAR		73. Ø31			15. 737
MUSICODER INTERFACE		76. 589	CABINET PLASTIC HANDLE FRAME FULCRUM SUPPORT		15. 443 15. 438
DOCC OCCOMPONIMENT POODD		76 574	NAME PLATE "GEM"		18. 233
BASS ACCOMPANIMENT BOARD		76. 574	A/R CONTROL PLATE WALNI		18. 312
STEREO PHASER SWITCH ASSY BASS		14. 472 14. 472	RHYTHM SWITCH PLATE WALN		18. 376
ACCOMPANIMENT		14. 472	MALIAN SWITCH FEATE WALK		10. 5/ 0
AUTOMAGIC PCM RHYTHM BOARD		76. 573	6 WIRES - 25 CM FLAT CABLE		84. 157
AUTOMAGIC SWITCH ASSY		14. 473	6 40 CM		84. 160
PCM RHYTHM		14.506	6 50 CM		84. 162
ORGAN PRESET MONOTRON BOARD		76.572	6 - 70 CM		84. 166
ORGAN SWITCH ASSY		14. 473	6 - 75 CM		84. 167
HARMONY -		14. 475	6 - 120 CM		84. 174
PRESET •		14. 474	9 - 15 CM		84. 204
MONOTRON		14. 478	9 - 45 CM		84. 211
FRONT PANEL	WALNUT	15. 836	12 - 75 CM		84. 267
	MAHOGANY		6 - 70 CM SHIELDED FLAT CABLE		84. 366
OXIDE RED PUSH BUTTON CAPS		15. 802	REVERB SHIELDED FLATE CABLE		84.500
LIGHT BROWN		15. 812	12 WIRES INPUT MATRIX FLAT CABLE		84.501
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FOR REPLACEMENTS CONCERNING: 1) PRINTED BOARD ASSY(S) REFER TO SCHEMATIC(S) FOR ASSY(S) CODE

ANY REQUEST NOT ABOVE MENTIONED PART MUST ENCOMPASS SPECIFIC DESCRIPTION INCLUDING: