

SELORCHESTRA

SCHEMATIC DIAGRAM

SEL®

Position	Type	Code
A		
ICa1-3	uA 79 MG	367.99.8003
ICa2-4	uA 78 MG	367.99.8002
B		
ICb1-2	1458	367.99.7004
ICb3	4016	367.99.6004
ICb4-11-12	4011	367.99.6002
ICb5-6	4049	367.99.6012
ICb7-9	4071	367.99.6022
ICb8	4069	367.99.6005
ICb10	4082	367.99.6023
Tb1.5	BC 173	364.99.0003
Tb6-7	BC 416	364.99.0004
C		
ICc1	4069	367.99.6005
ICc2	50242	367.99.5001
ICc3 + 14	TDA 1008	367.99.5011
ICc15	1458	367.99.7004
Tc1	BC173 selected	364.99.0007
F		
ICf1-2-4-11	4016	367.99.6004
ICf3	13600	367.99.7005
ICf5-6-7	TDA 1022	367.99.5012
ICf8-9	4013	367.99.6003
ICf10-12	3302	367.99.7003
ICf13-14-15	1458	367.99.7004
Tf1.3	BC173	364.99.0003
Tf4	BC416	364.99.0004
Tf5.10	BC173	364.99.0003

Cable Map

		1	2	3	4	5	6	7	8	9	10
Cable	A	-12	⊥	+12	-6	⊥	+6				
	B	V _D	Vib.Sp.	Vib.Sp.	⊥	8'	16'				
	C	+12	+6	⊥	⊥	-12	2'				
	D	Vib.Sp.	Vib.Sp.	V _D	Tb·B	Tr·B	C·S				
	E	V·S	S ₀ ·S	A·R	M·R	Pi·P	H·P				
	F	+6	-6	⊥	⊥	+12	-12				
	G	ADSR	⊥	S·S ₀	S·S ₀	H·P + M·R	H·P + M·R				
	H	⊥	Sustain	⊥	C.B.	⊥	Decay				

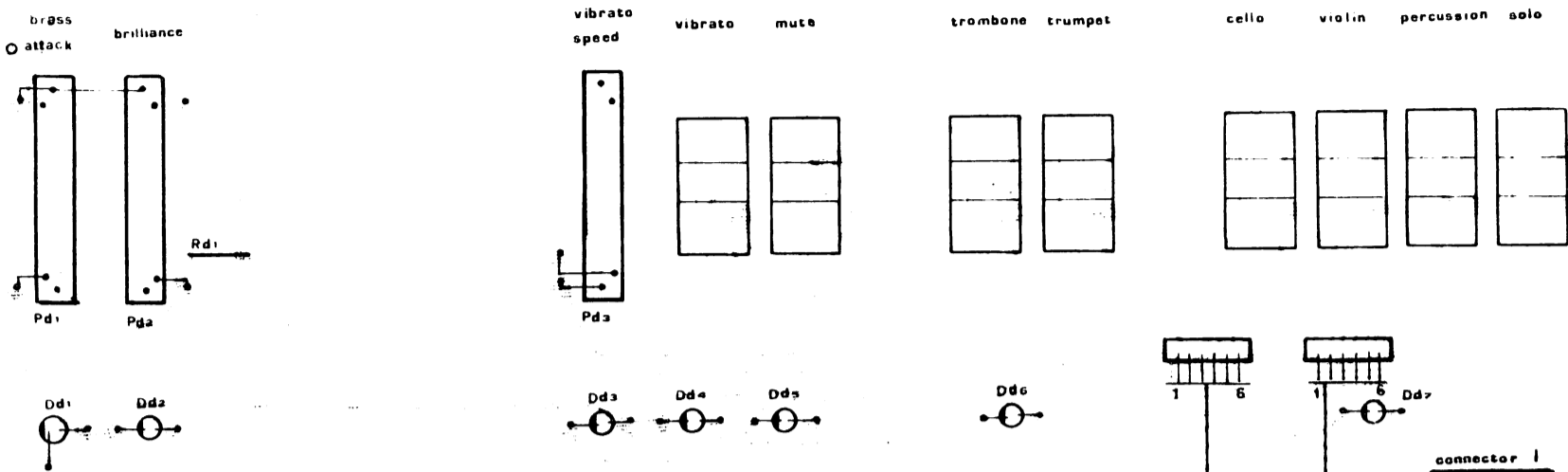
Connector Map

		I	Mute	—	Mute	Brill.	Attack	Sustain	Sustain	Sustain	Attack	Attack
Connector	L	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	V _D
	M	LED	LED	+6		H·P	P	M·R	R	S ₀ ·S	S	
	N	P _Z ·S	B	Vib.	Vib.	B'	S'	R'	P'	-6	+12	

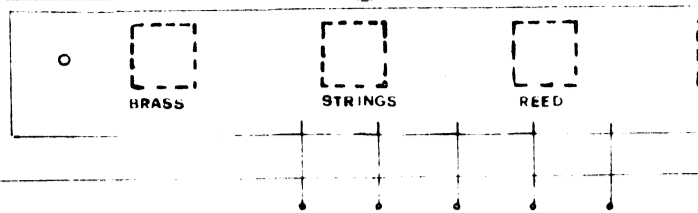
NOTES:

PIANO = P	Trombone = Tb	Solo = So
BRASS = B	Trumpet = Tr	Accordeon = A
STRINGS = S	Cello = C	Musette = M
REED = R	Violin = V	Piano = Pi
	Percussion = P _Z	Honky Tonky = H
	Vibrato delay = V _D	
	Common bar = C.B.	

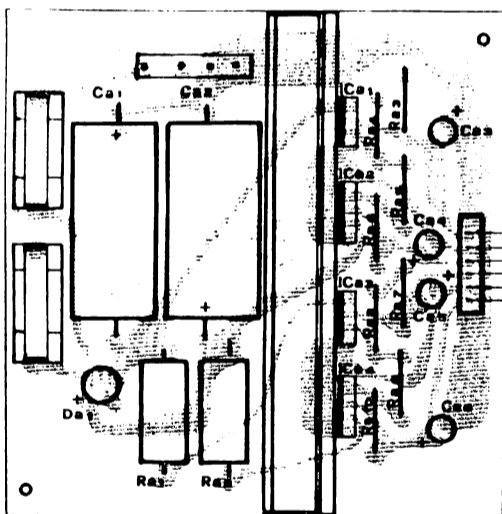
CONTROLS SWITCHBOARD (D)



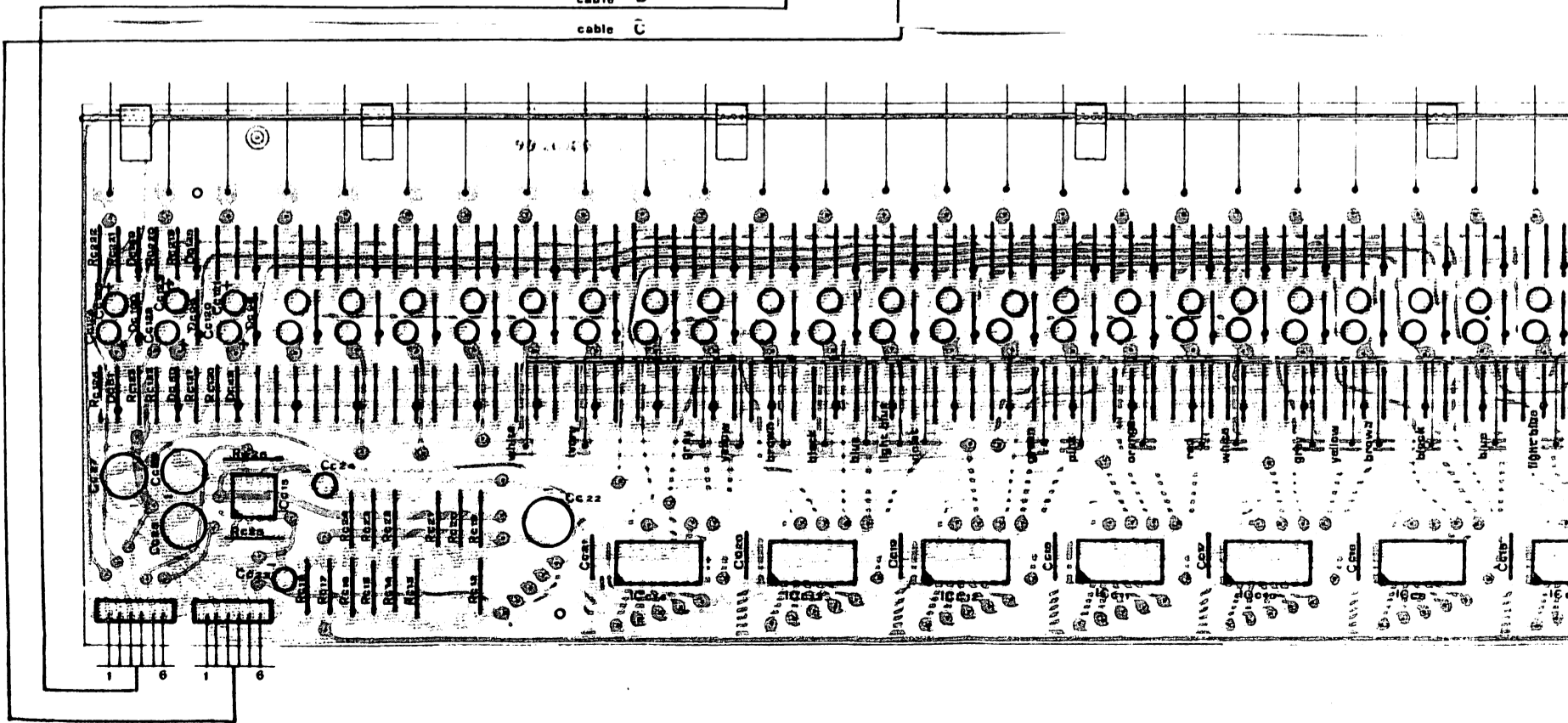
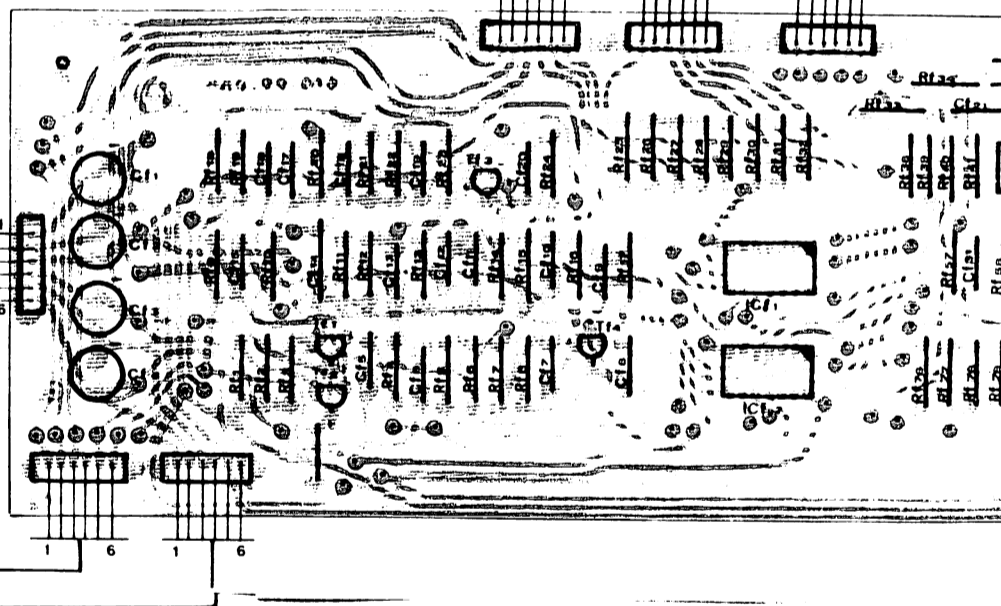
PRESETS SWITCHBOARD (E)

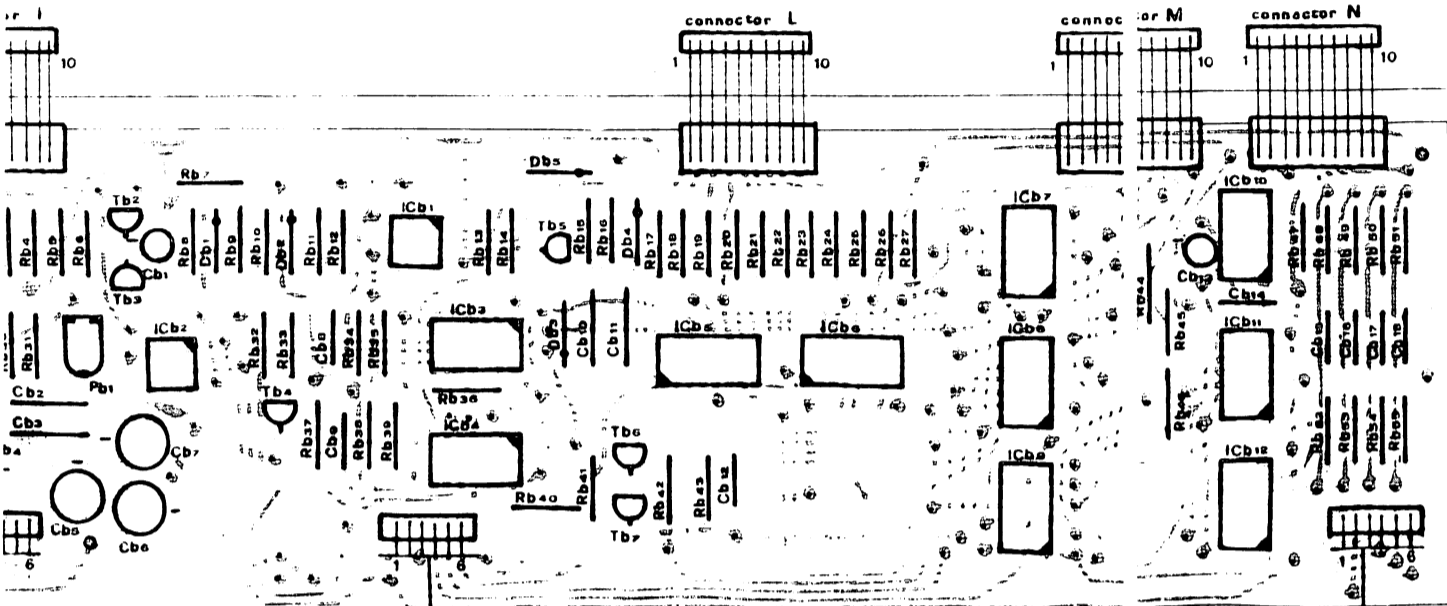
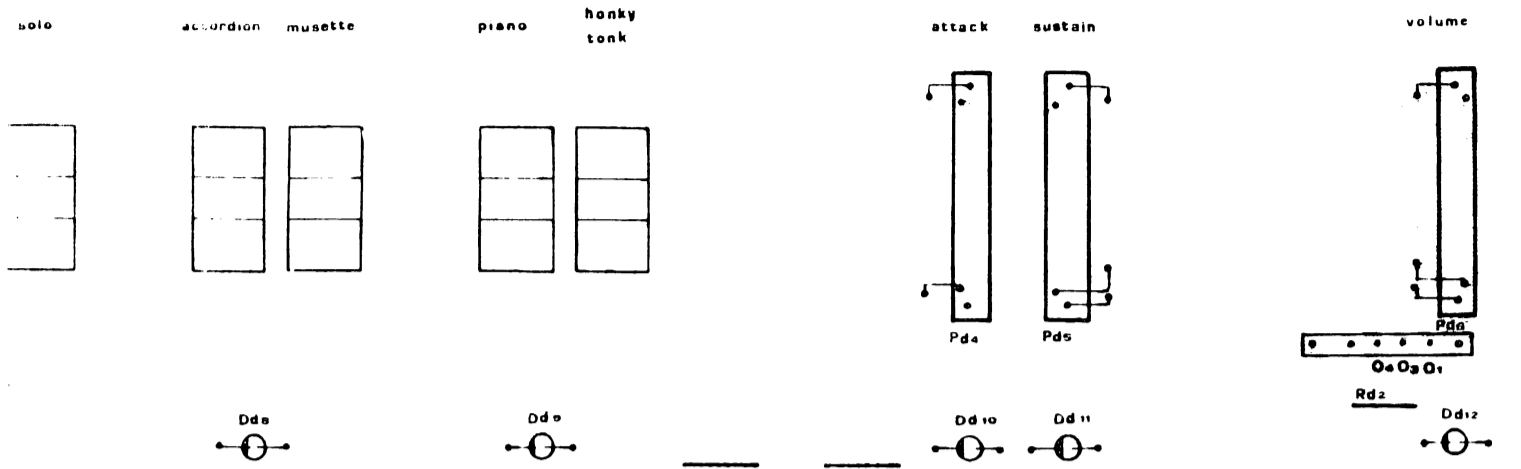


POWER SUPPLY (A)

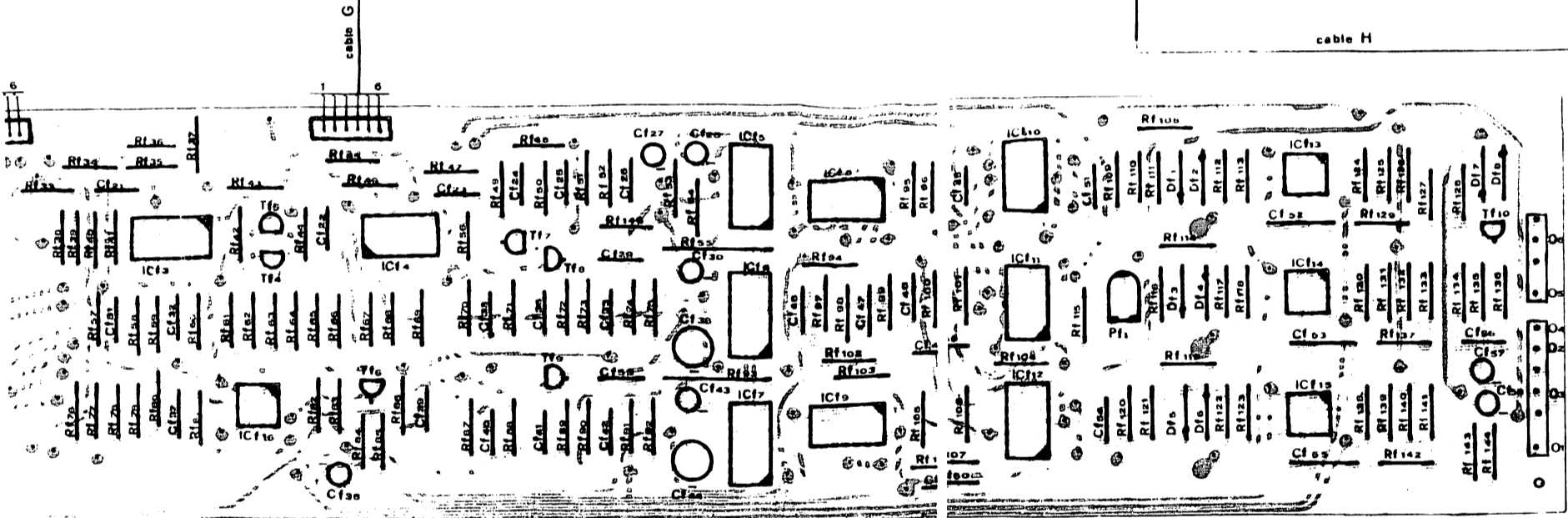


FILTERS, DELAY-LINES (F)

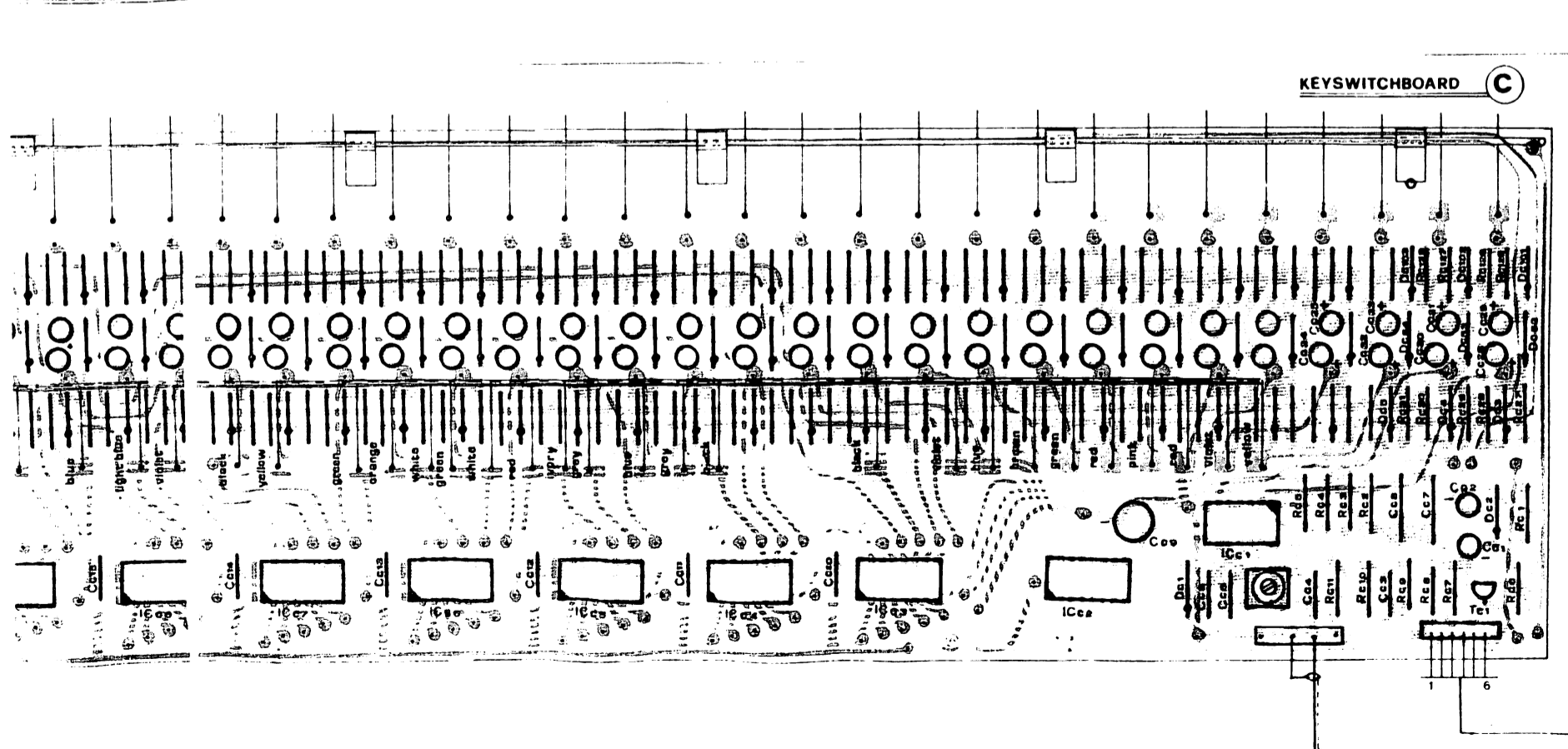




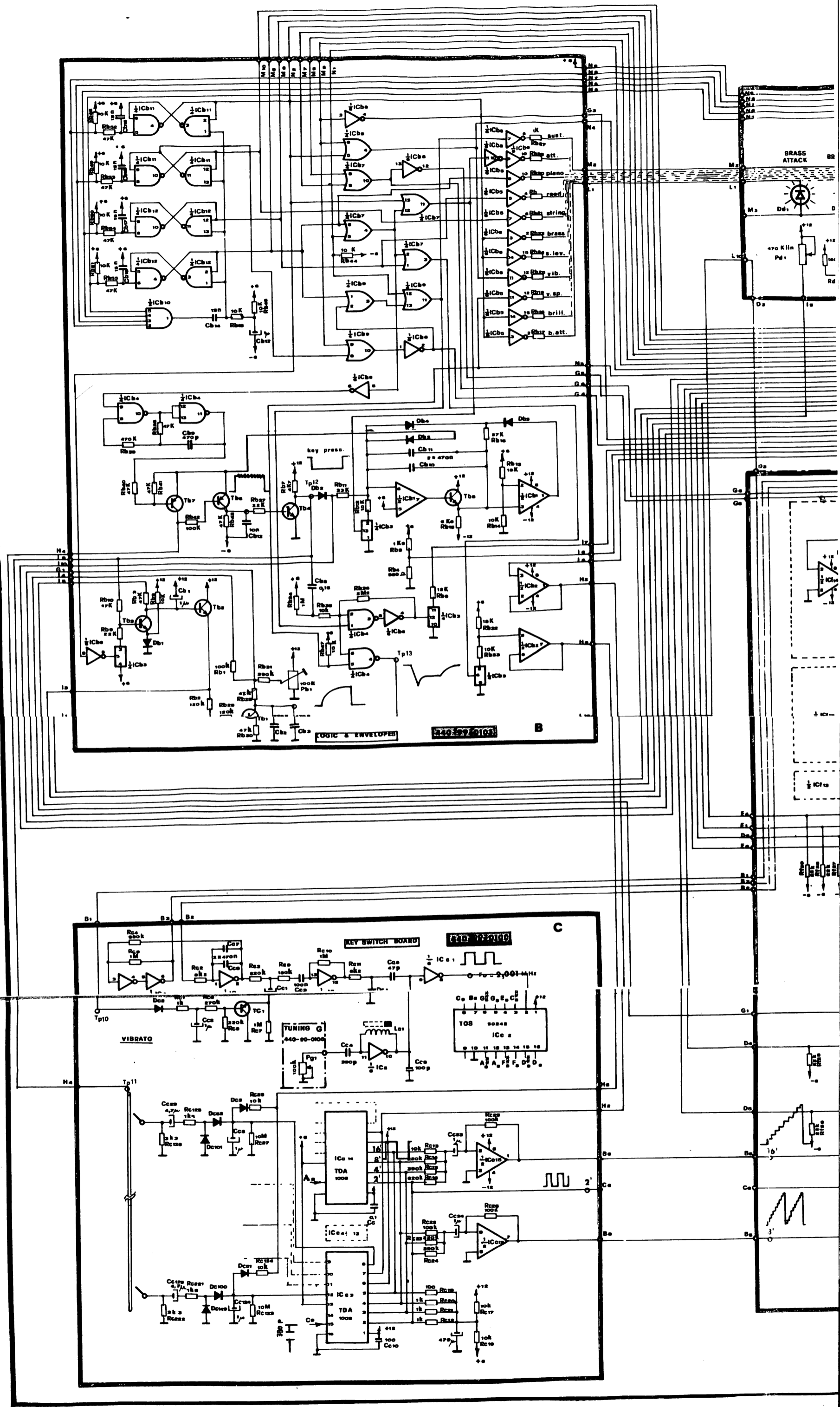
LOGIC,
ENVELOPES
(B)

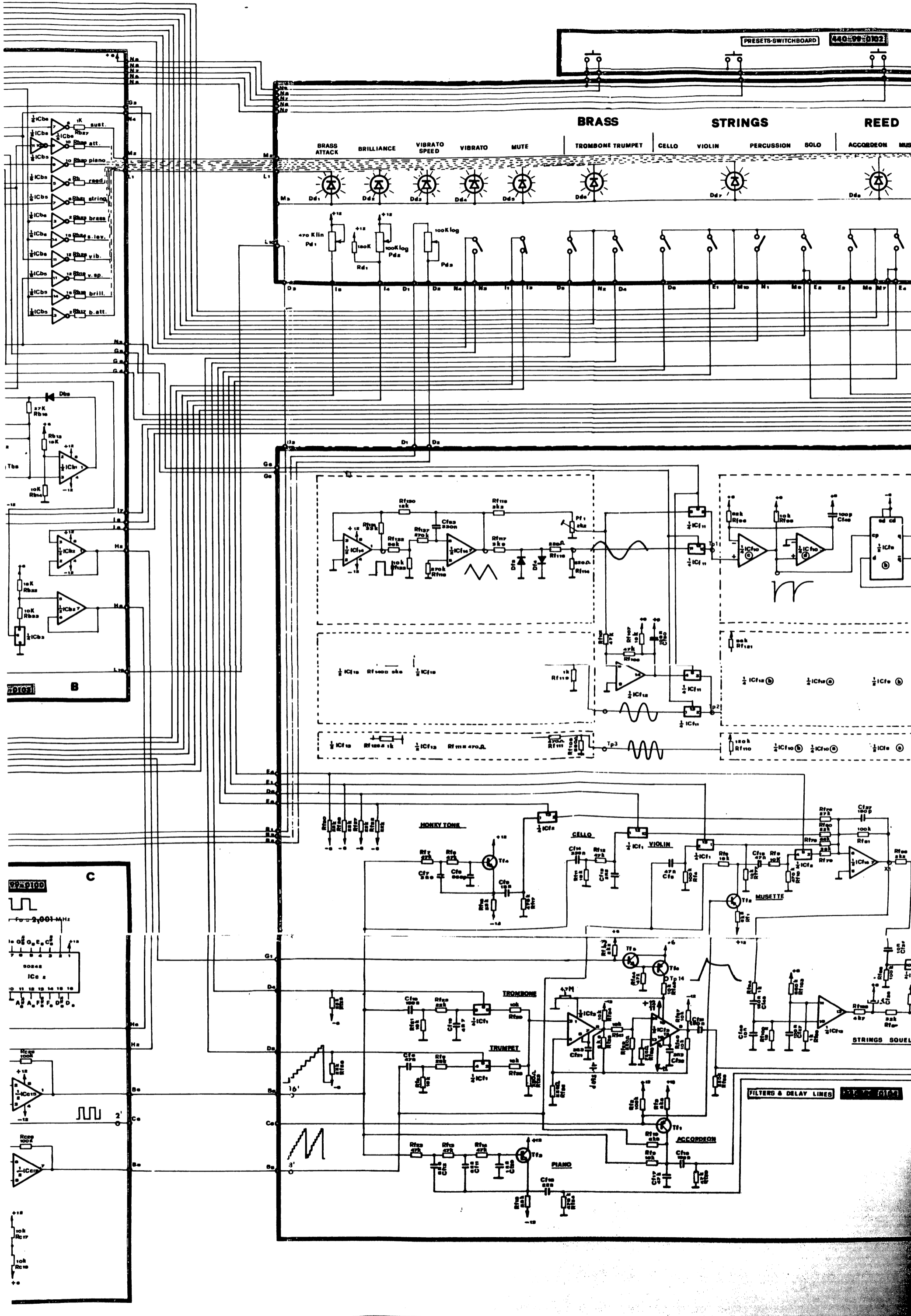


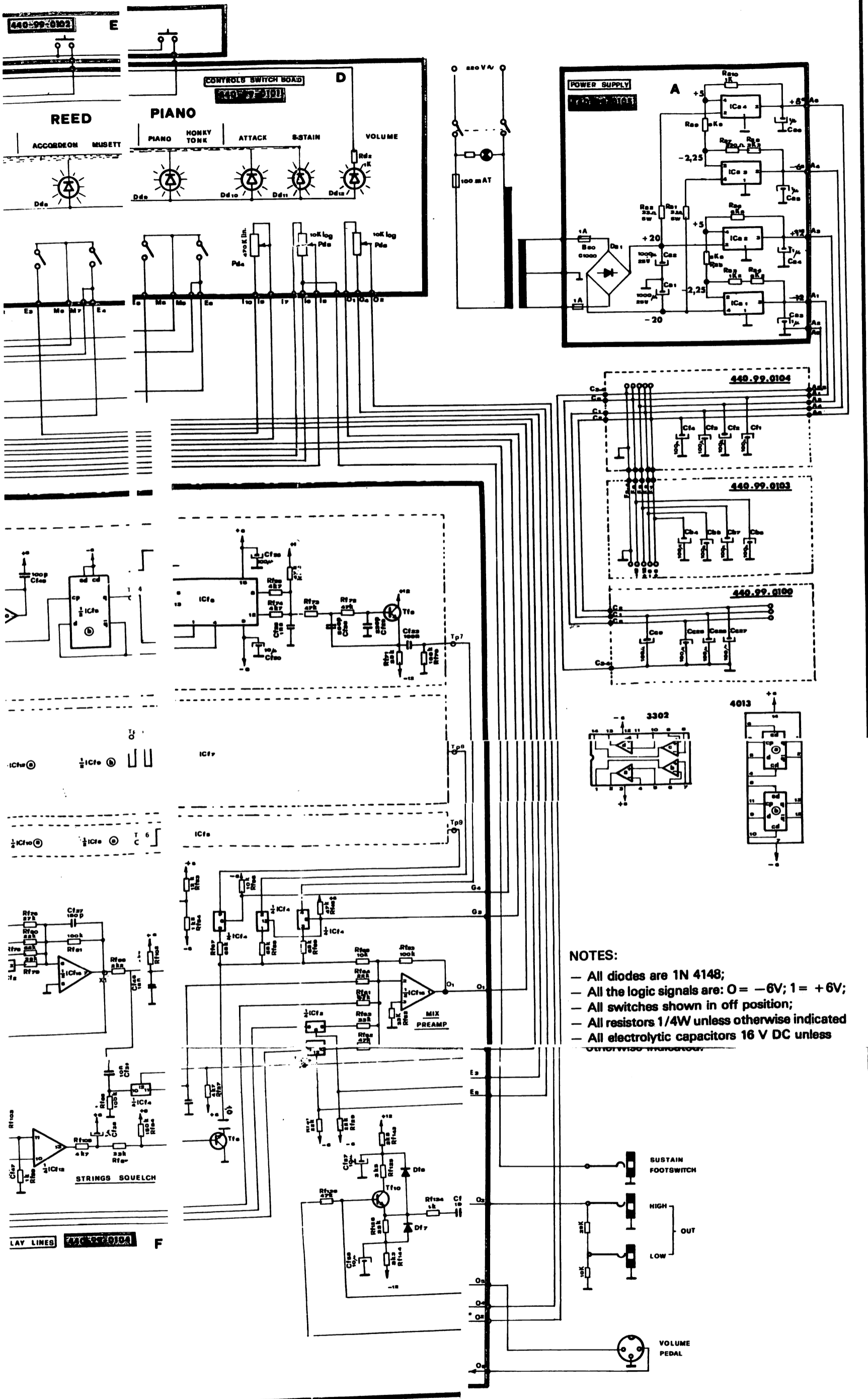
KEYSWITCHBOARD **(C)**



TUNING







- NOTES:**
- All diodes are 1N 4148;
 - All the logic signals are: 0 = -6V; 1 = +6V;
 - All switches shown in off position;
 - All resistors 1/4W unless otherwise indicated
 - All electrolytic capacitors 16 V DC unless otherwise indicated.

TP	INSTRUMENT	INSERT
01	Trombone	
01	Trumpet	
X1	Celli	
X1	Violins	
01	Accordions	
X1	Musicians	
01	Piano	
X1	Honky-tonk	
Tp1	Violins	or Celli
Tp2	Violins	or Celli
Tp1	Honky-tonk	or Musicians
Tp2	Honky-tonk	or Musicians

INSTRUMENT	CONDITION	WAVEFORMS
Trumpet	- Brilliance max - Mute off - f = 440 Hz	
Trumpet	Brilliance max Mute off - f = 880 Hz	
Cello	- Percuss. off - f = 440 Hz	
Violin	Percuss. off f = 880 Hz	
Accordeon	Attack min. f = 880 Hz	
Musette	Attack min. f = 880 Hz	
Piano	Sustain max f = 440 Hz	
Honky Tonk	Sustain max f = 440 Hz	
Violin or Cello		
Violin or Cello		
Honky Tonk or Musette		
Honky Tonk or Musette		

TP	INSTRUMENT INSERTED	CONDITION	WAVEFORMS
Tp3			
Tp4		Tp1 To ground	
Tp5		Tp2 To ground	
Tp6		Tp3 To ground	
Tp7	Violin	Perc off	
Tp8		Solo off	
Tp9		f = 440 Hz	
Tp10	Trumpet	- Vibrato on - Any Key pressed	
Tp11	Piano		
Tp11	Violin	- Attack min - Any key, pressed	
Tp12	Trumpet		
Tp13	Trumpet	- Brass Attack 1/2 - Brilliance max - Mute off	
Tp14	Trumpet	- Brass Attack 1/2 - Brilliance max - Mute off	
ADJUST			
Tp1	Musette		Adjust Pf1 for V1 = 2 Vpp
Tp14	Trumpet		Adjust Pb1 for V2 = -7V
Fo	Set ext Tuning 1/2		Pitch the coil Lc1 for fo = 2,001 MHz