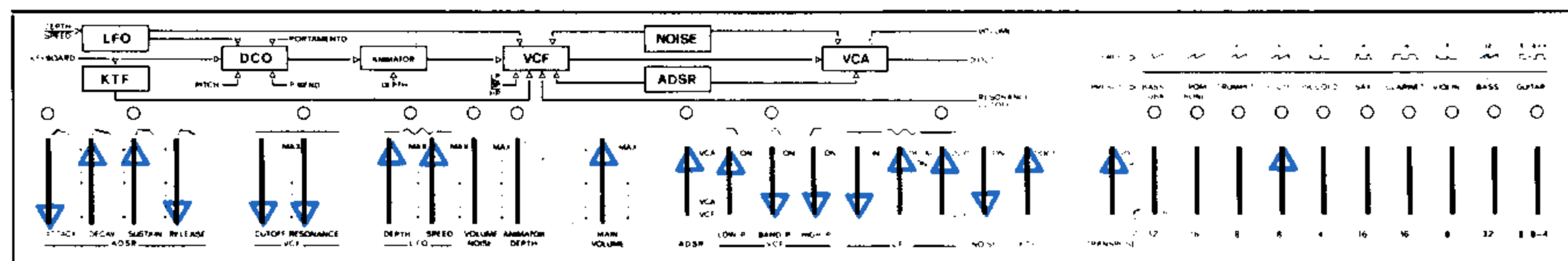


ADJUSTMENT

INITIAL POSITION



MONO

○ AMBULATOR
SELECTOR

SEL

TUNING

- Set the MONO PITCH (left side) in the middle and tune the monophonic section by trimmer Pc 4.

K.T.F.

- Press the highest C.
- Read by a DMM (Digital Multi Meter) across Rc 71 (2K7) and adjust trimmer Pc 1 for a 2,25 D.C. Voltage value.

L.F.O.

- Set DMM in V RMS position and connect it between the output of IC c10 (pin 6 CA 3080) and ground.
- Insert L.F.O. ON and adjust trimmer Pc 3 for a value of 0,95V. (34Vpp)
- Move DMM in V = position.
- Take off L.F.O. and read the value.
- Insert L.F.O. ON and adjust trimmer Pc 2 so that the value is the same as read before.
- Take off L.F.O.

V.C.A.

- Insert DMM between the collector of Bc 416 (Tf 5) and ground.
- Shortcircuit Df 5 diode.
- Adjust trimmer Pf 6 for a 1 D.C. Voltage value.

OFFSET V.C.A.

- Set on PICCOLO, CUT OFF upwards.
- Adjust trimmer Pf 1 in such a way that the attack sound is 'clickless'.

V.C.F.

- Set on FLUTE, RESONANCE upwards, CUT OFF downwards.
- Adjust trimmer Pf 1 so that the V.C.F. oscillating frequency is the same as the fundamental of the pressed key.

BAND PASS

- Set on BAND PASS filter, RESONANCE downwards, CUT OFF upwards.
- Adjust trimmer Pf 3 so that the fundamental of the pressed key disappears.

HIGH PASS

- Set on HIGH PASS filter and adjust trimmer pf 4 in the same way as BAND PASS.

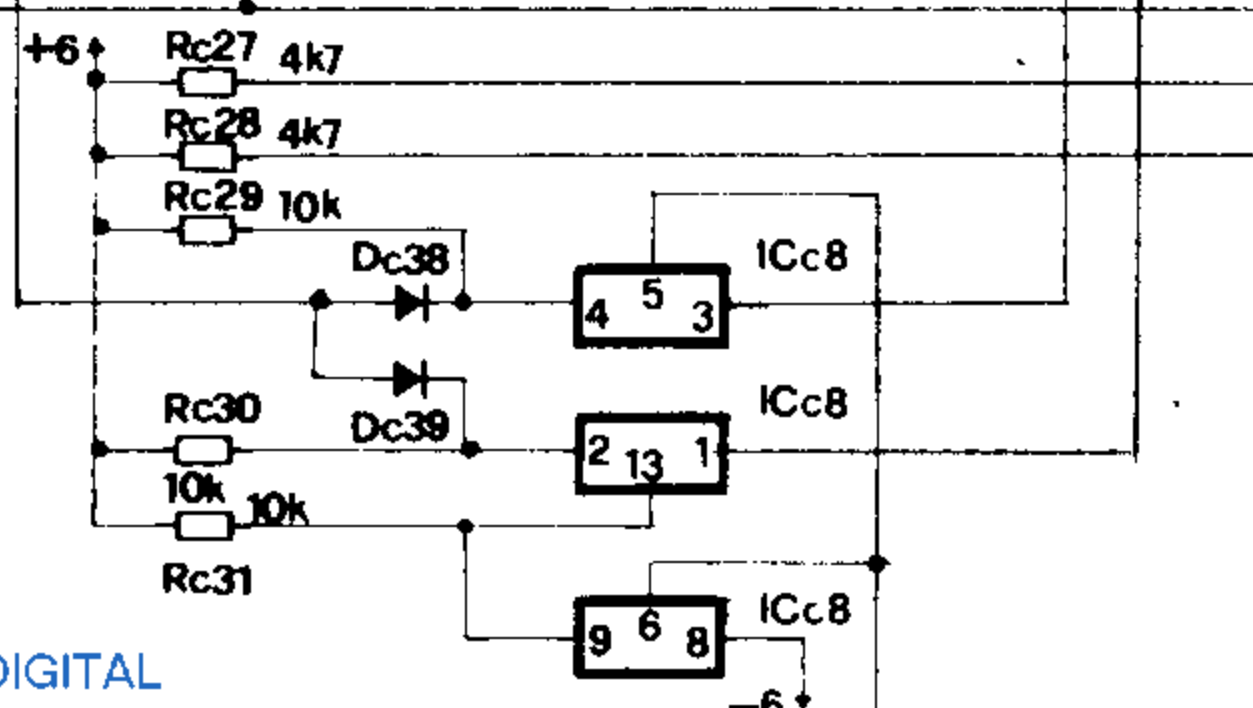
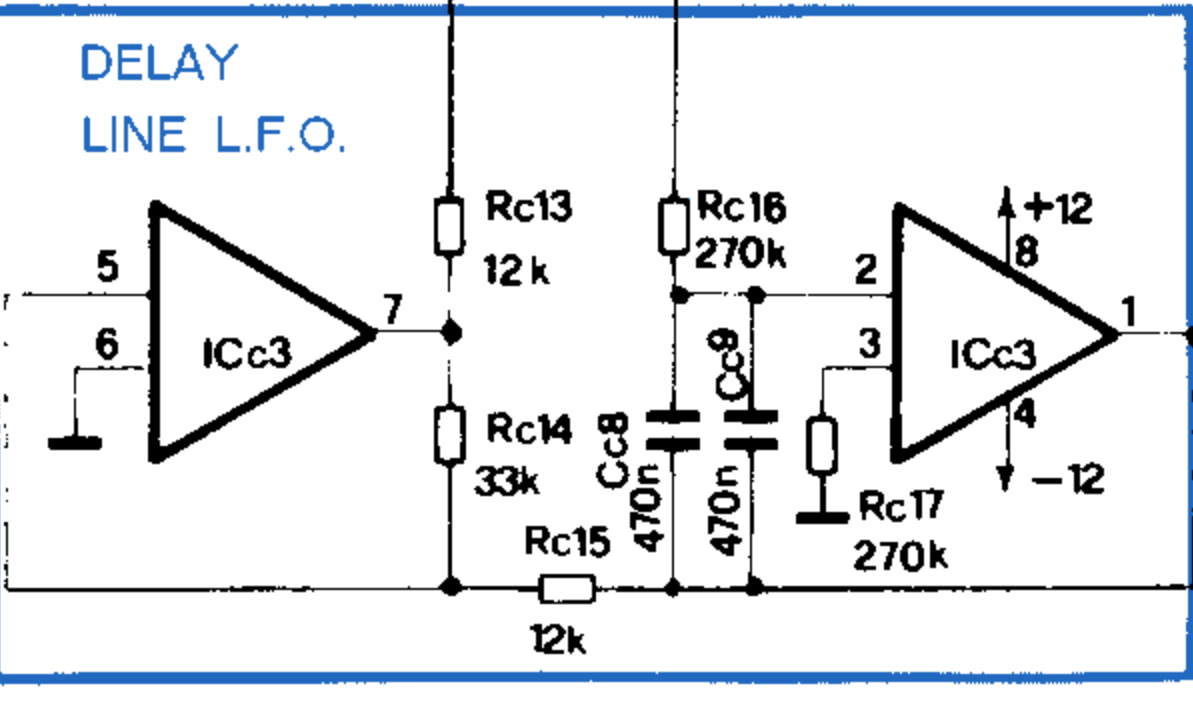
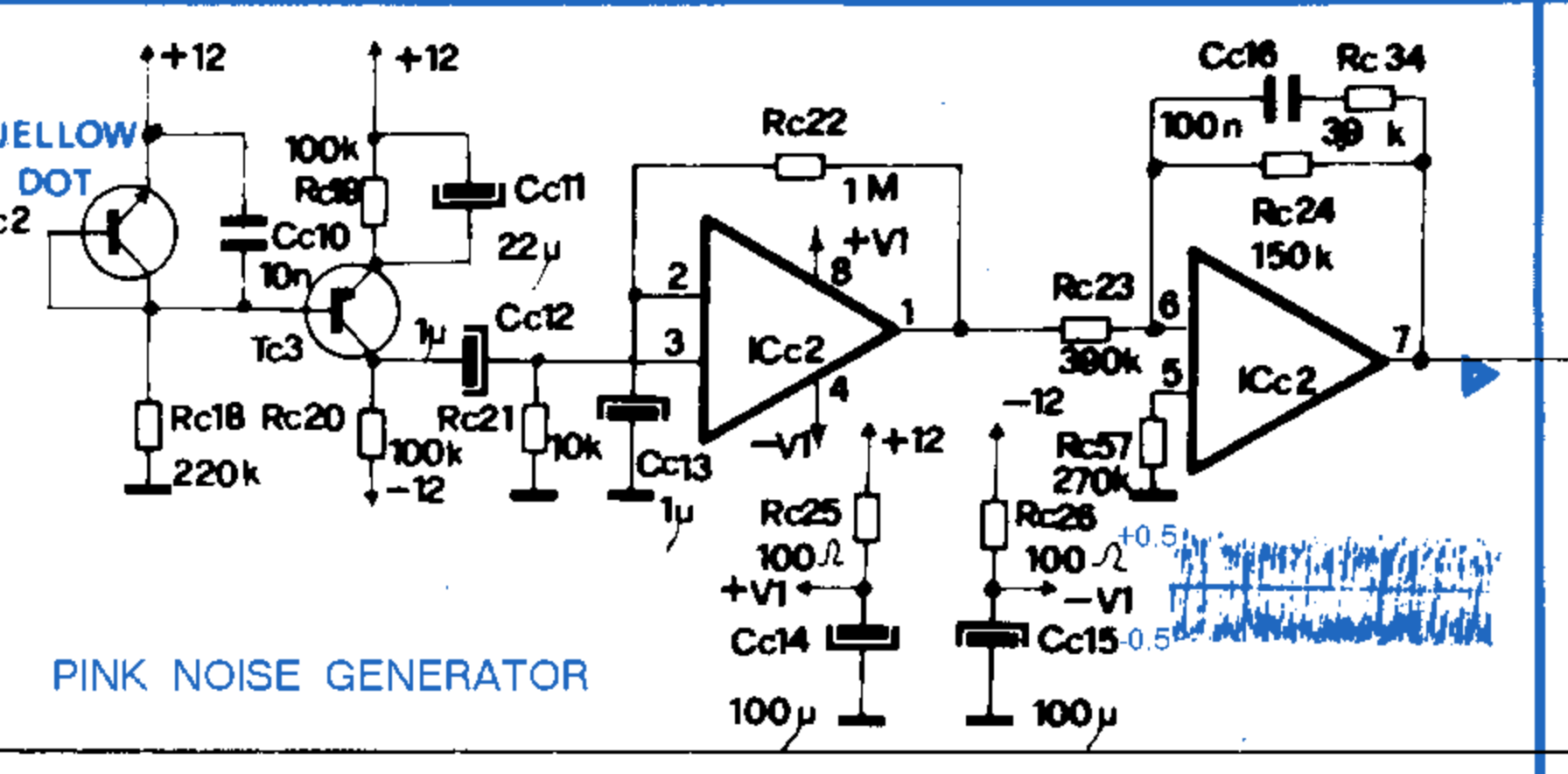
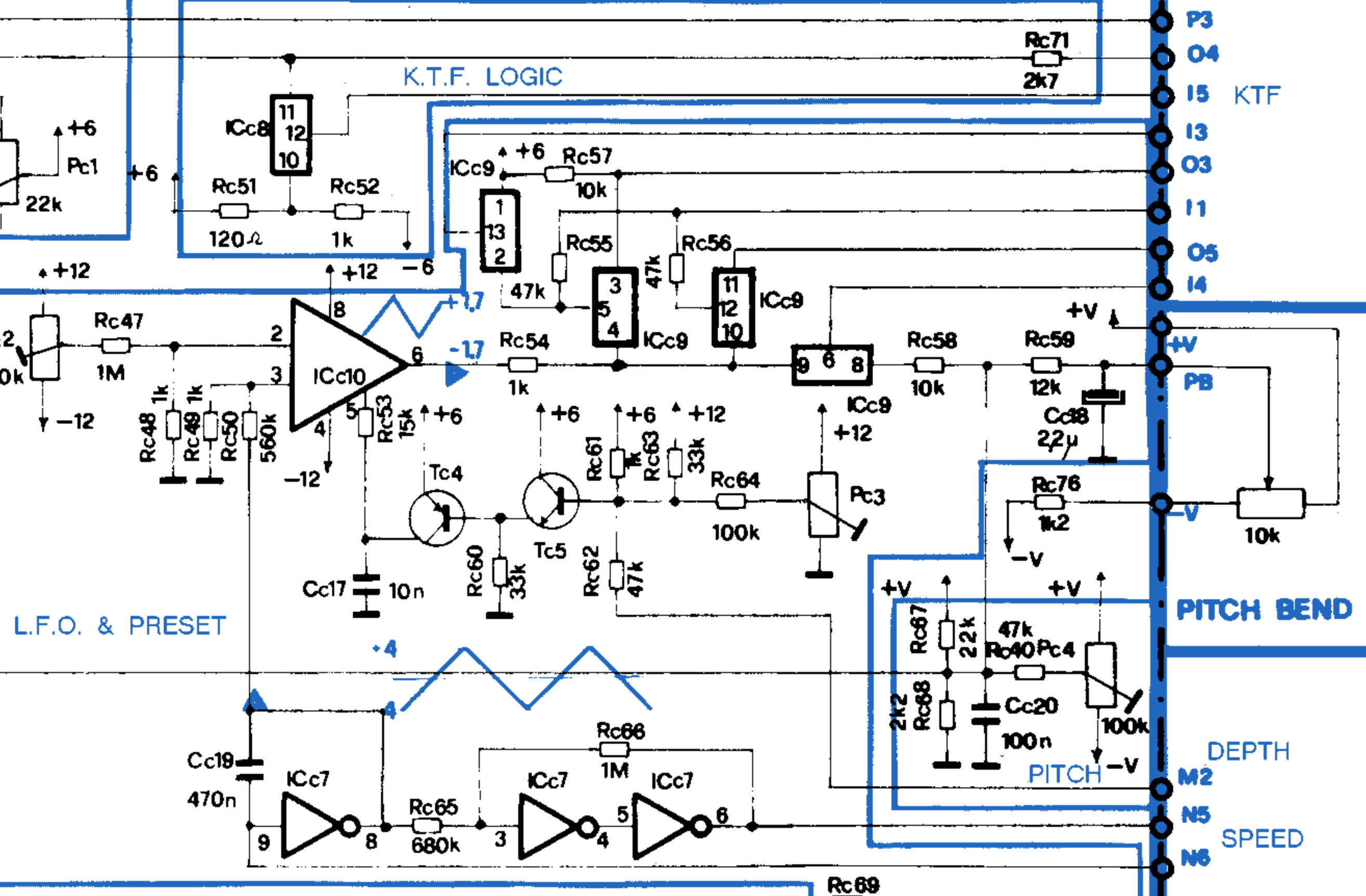
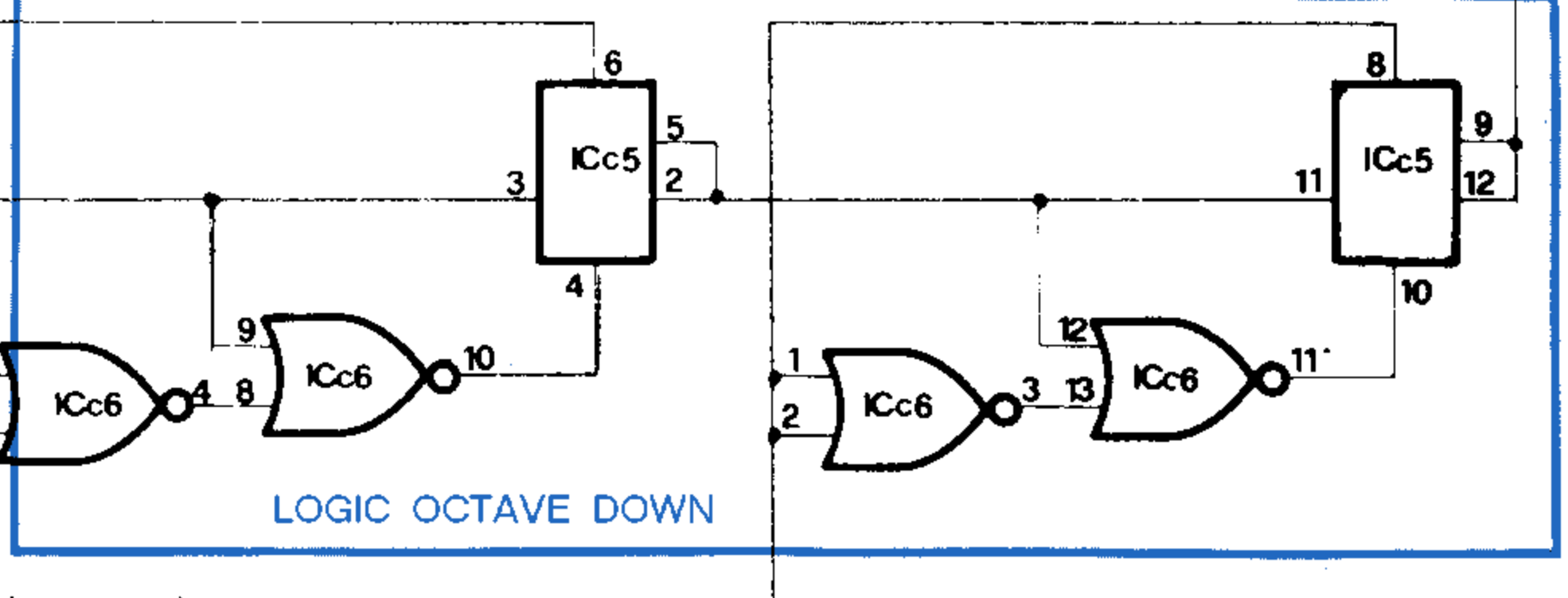
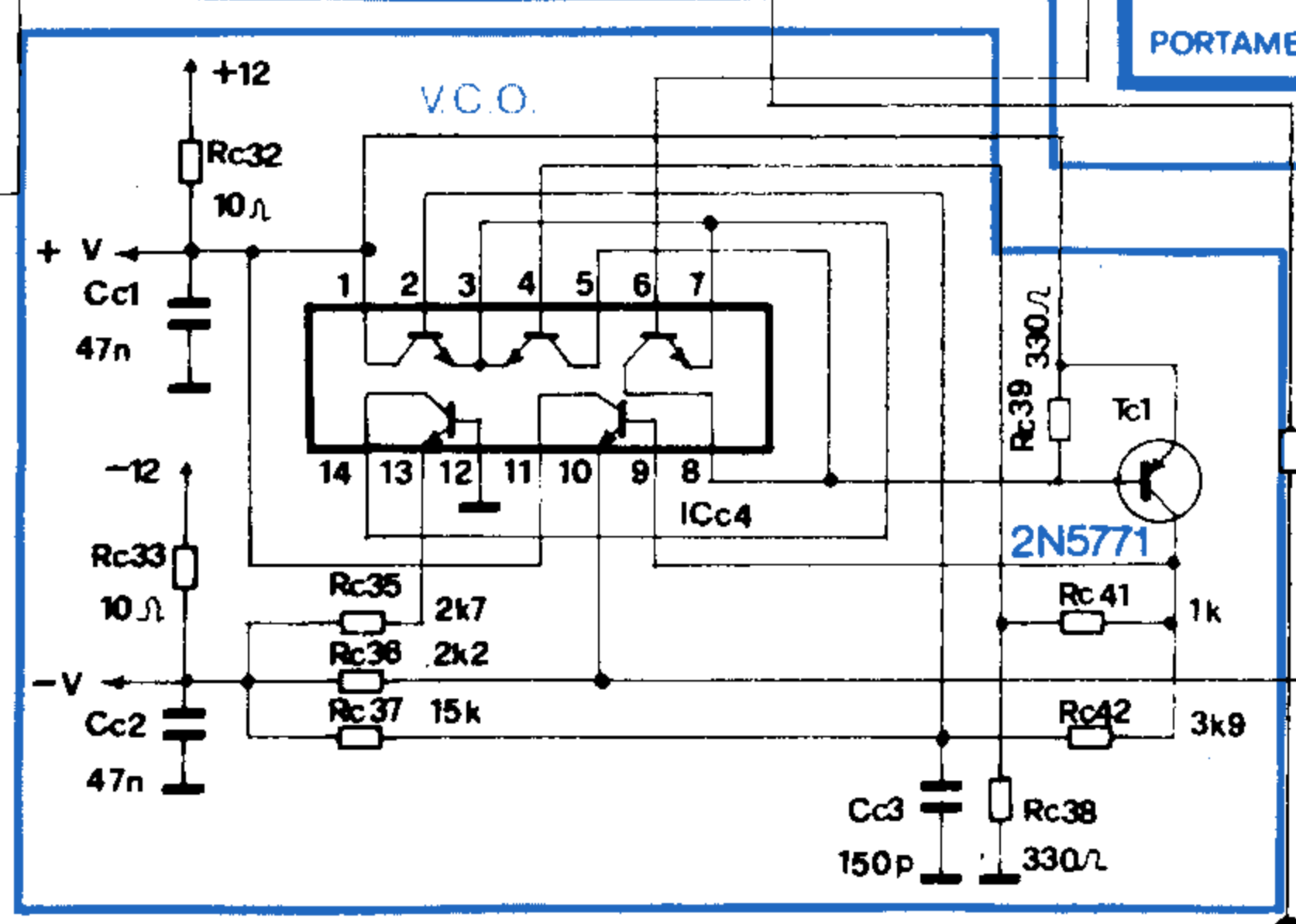
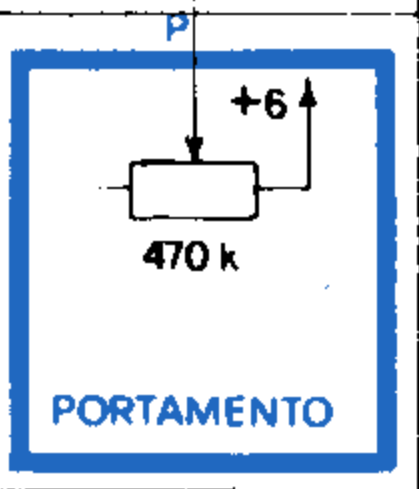
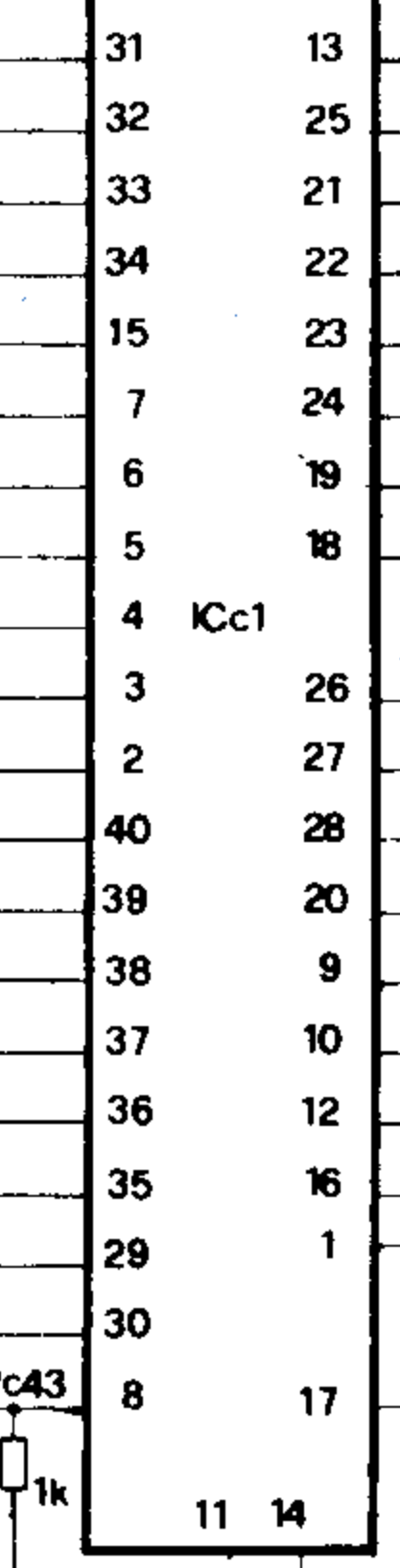
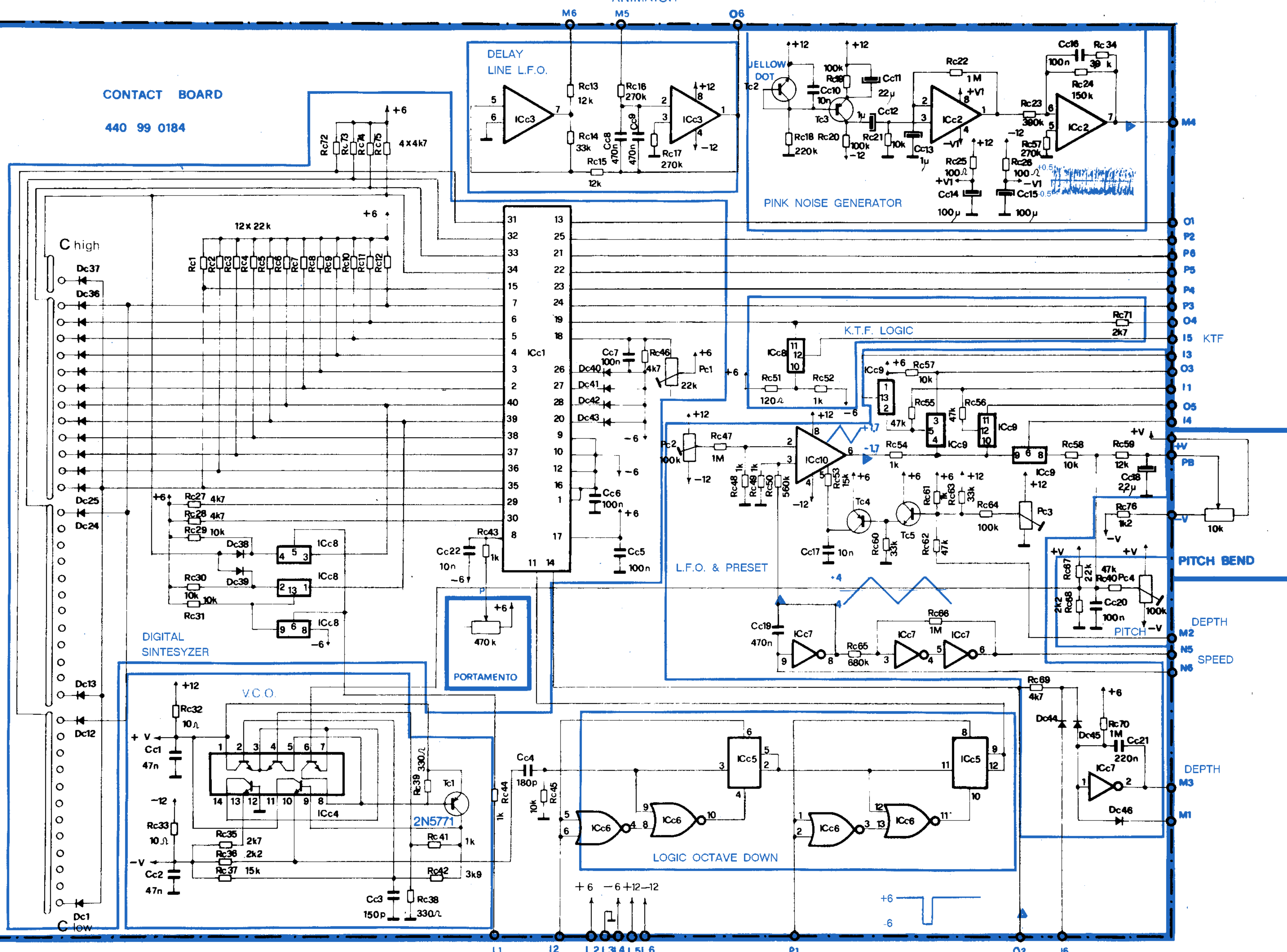
DELAY LINE

- Set trimmer Pf 2 in the middle.

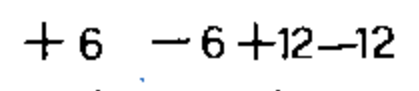
ANIMATOR

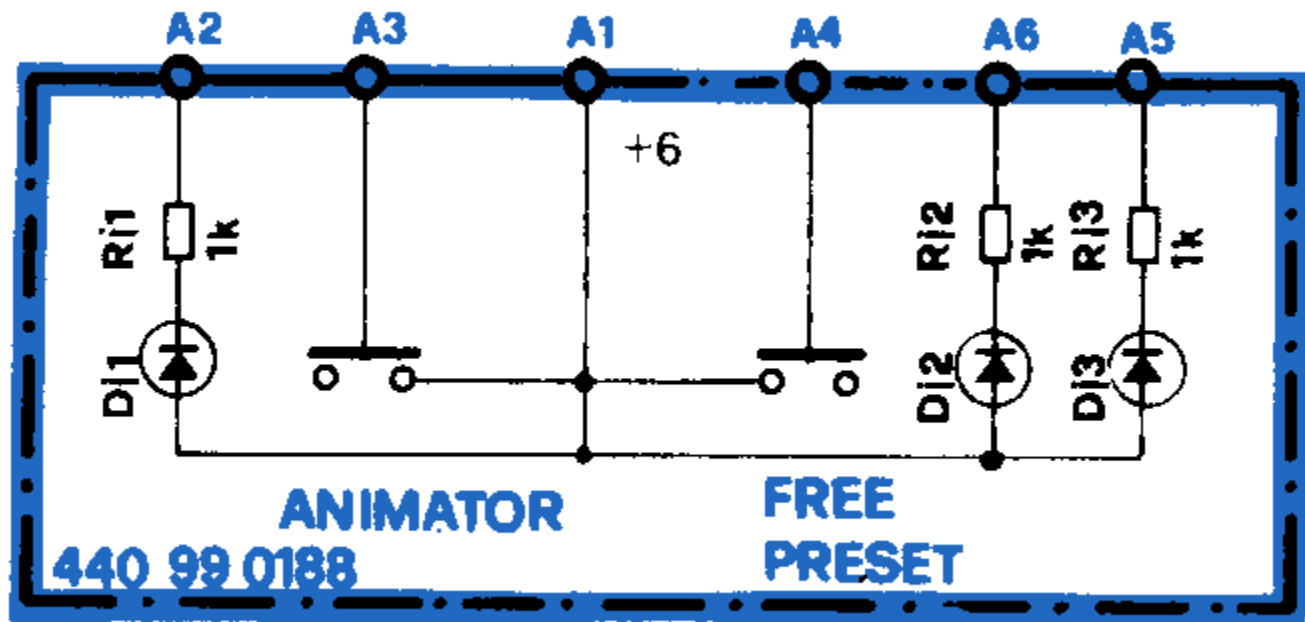
CONTACT BOARD

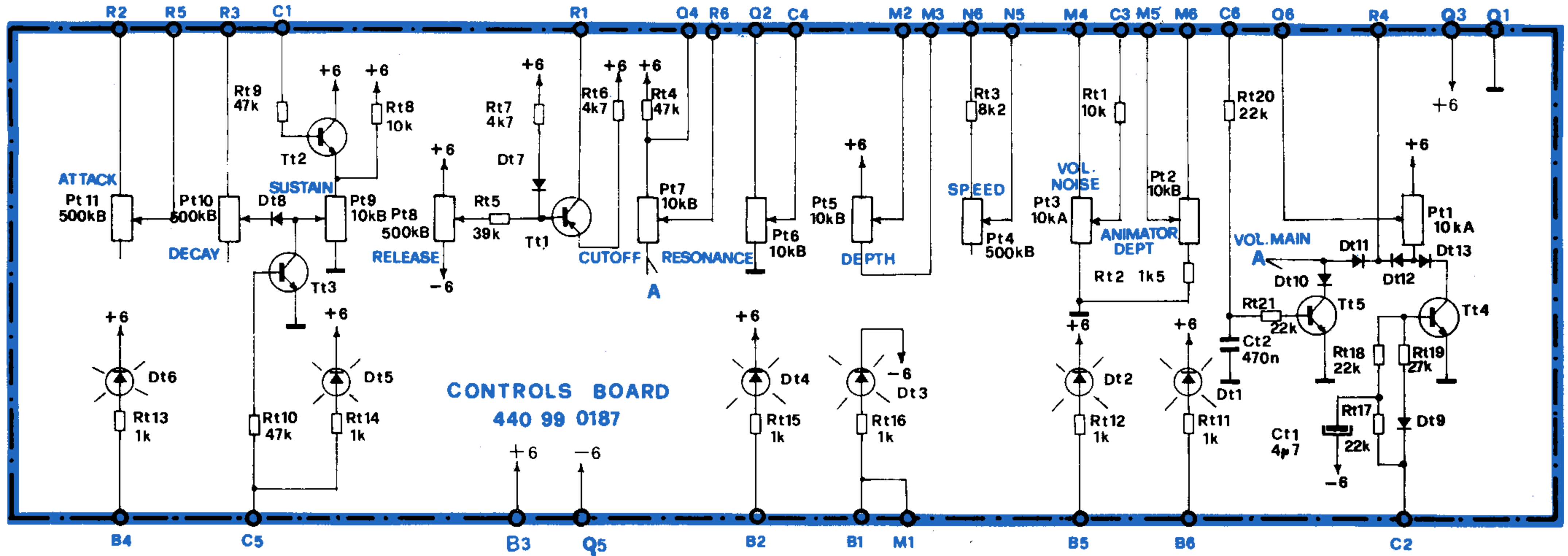
440 99 0184

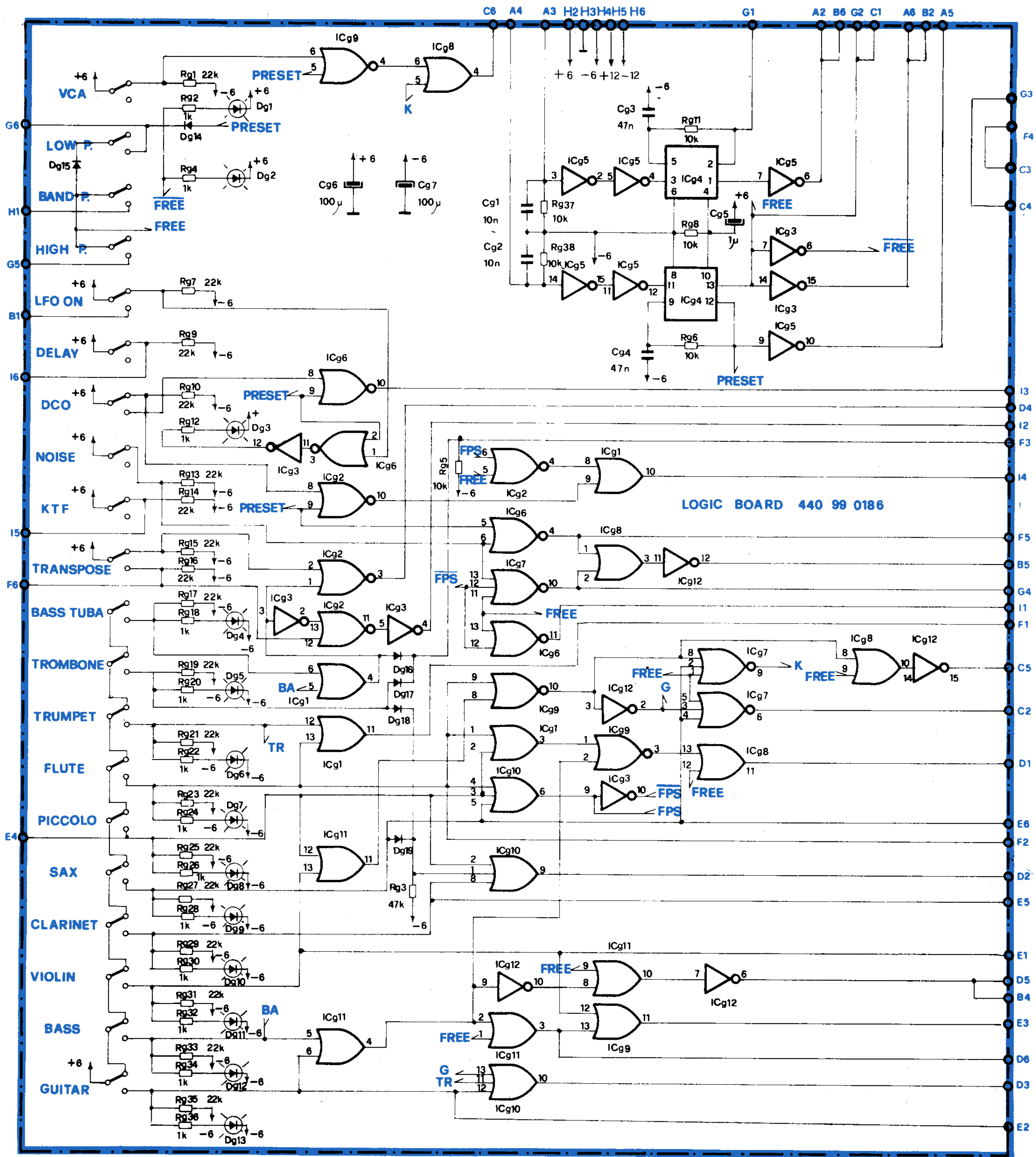


- O1
- P2
- P6
- P5
- P4
- P3
- O4
- 15 KTF
- 13
- O3
- 11
- O5
- 14
- +V
- PB
- V
- PITCH BEND
- DEPTH
- M2
- N5
- N6
- SPEED
- DEPTH
- M3
- M1

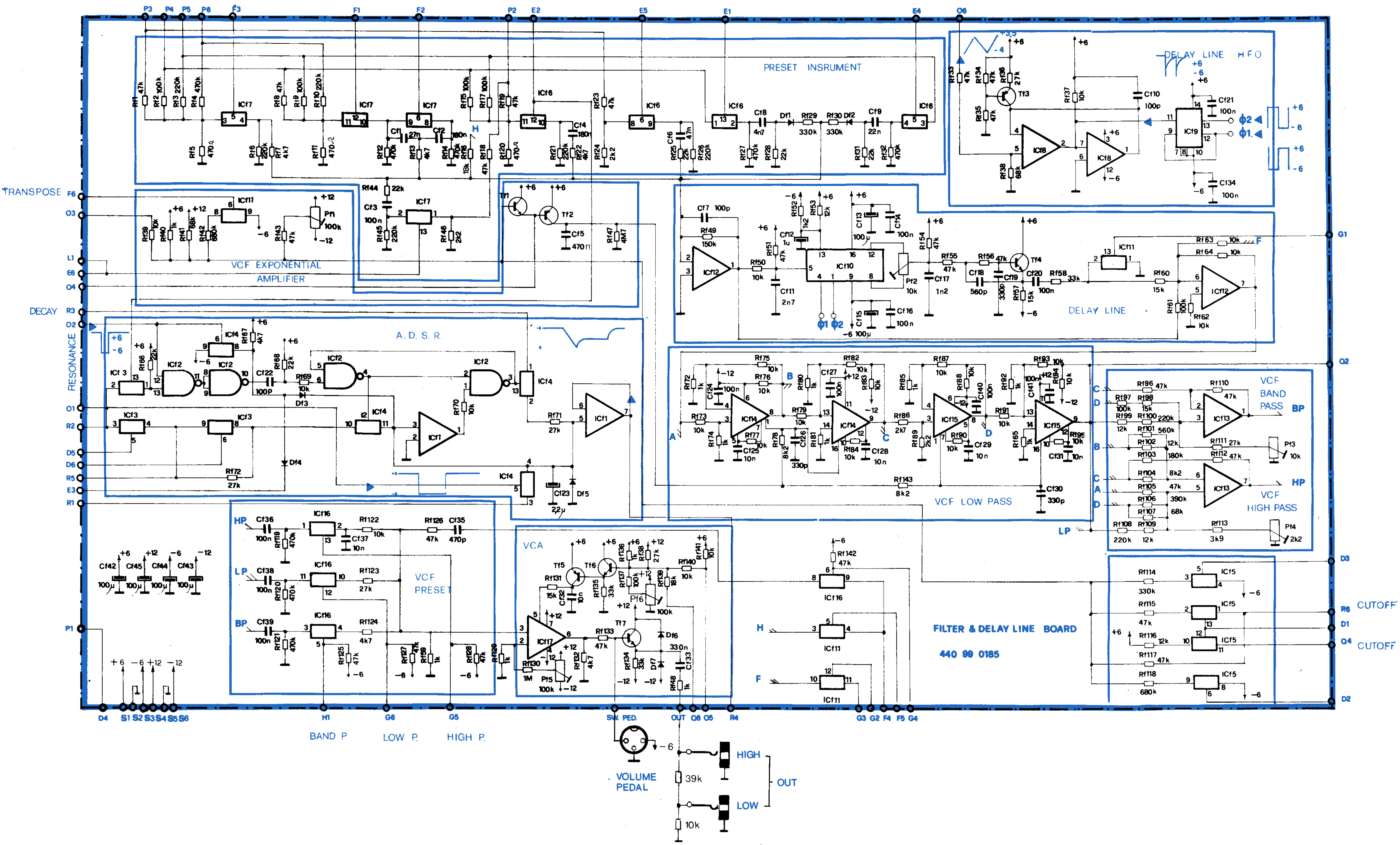








LOGIC BOARD 440 99 0186



PRESET INSTRUMENT

VCF EXPONENTIAL AMPLIFIER

A.D.S.R.

VCF LOW PASS

VCF BAND PASS BP

VCF HIGH PASS HP

VCA

VCF PRESET

FILTER & DELAY LINE BOARD

440 99 0185

BAND P LOW P HIGH P

VOLUME PEDAL

HIGH
LOW
OUT

TRANSPOSE

DECAY

RESONANCE

CUTOFF

CUTOFF

POWER SUPPLY

P.C. 440.99.0105

		<u>TYPE</u>	<u>CODE</u>
ICa	1 - 3	uA 79 MG	367.99.8003
ICa	2 - 4	uA 78 MG	367.99.8002

CONTACT BOARD

P.C. 440.99.0184

ICc	1	M 110	367.99.5017
ICc	2	1458	367.99.7004
ICc	3	TL 082	367.99.7009
ICc	4	LM 3046	367.99.7007
ICc	5	4013	367.99.6003
ICc	6	4001	367.99.6001
ICc	7	4069	367.99.6005
ICc	8 - 9	4016	367.99.6004
ICc	10	CA 3080	367.99.7006
Tc	1	2N 5771	364.99.0010

FILTERS BOARD

P.C. 440.99.0185

ICf	1	TL 082	367.99.7009
ICf	2	4011	367.99.6002
ICf	3-4-5-6-7-11-16	4016	367.99.6004
ICf	8	3302	367.99.7003
ICf	9	4013	367.99.6003
ICf	10	TDA 1022	367.99.5012
ICf	12 - 13	1458	367.99.7004
ICf	14 - 15	LM 13600	367.99.7005
ICf	17	CA 3080	367.99.7006

LOGIC BOARD

P.C. 440.99.0186

ICg	1-8-11	4071	367.99.6022
ICg	2-6-9	4001	367.99.6001
ICg	3-5-12	4049	367.99.6012
ICg	4	4013	367.99.6003
ICg	7	4025	367.99.6021
ICg	10	4075	367.99.6025

-- ALL PNP Transistors are BC 416 Part Code 364.99.0004 Unless otherwise indicated

-- ALL NPN Transistors are BC 173 Part Code 364.99.0003 Unless otherwise indicated

-- ALL DIODES are 1N 4148 Unless otherwise indicated

-- ALL Resistors 1/4W Unless otherwise indicated

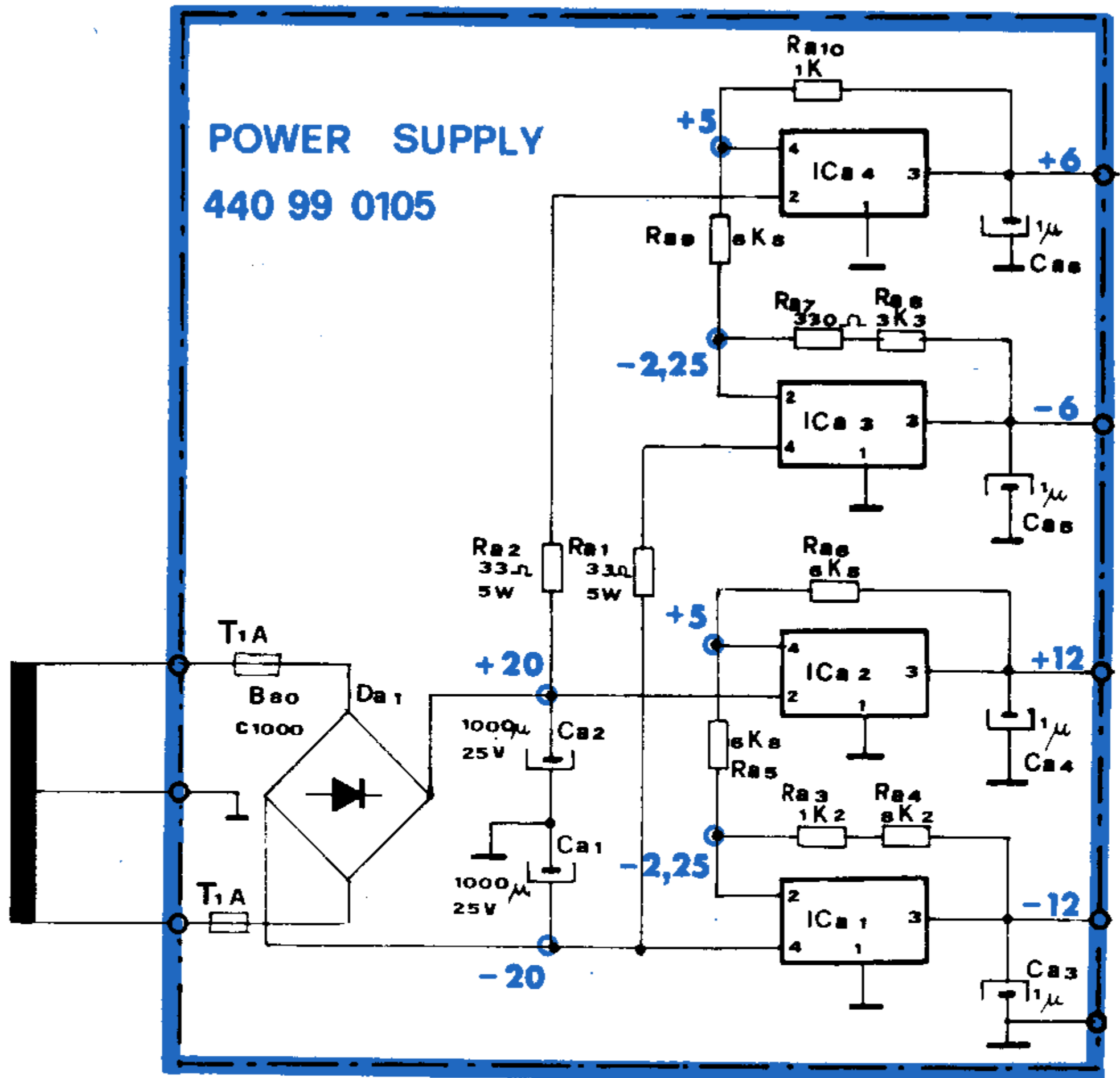
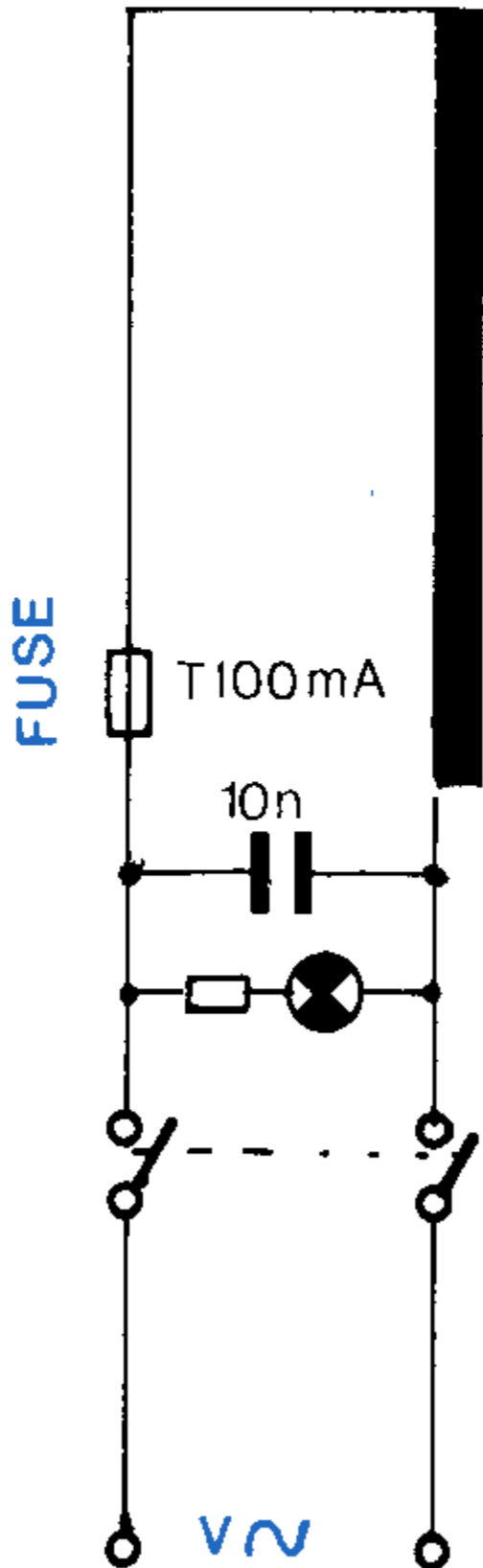
-- ALL Electrolytic capacitors 16V DC Unless otherwise indicated

-- ALL Switches shown in off position

-- ALL Red leds are FL V 117

-- ALL Green leds are LT 233 .

CODE 372 99 0011



AT 110 V THE TRASFORMER
HAS THE PART NUMBER 376 99 0012: FUSE 200mA