

**This Manual comes from the Siel Synthesizers Website**

**<http://home.tiscali.nl/~smeyer/siel>**

**If you found it somewhere else, please let me know.**

**Sander Meyer**

**[smeyer@tiscali.nl](mailto:smeyer@tiscali.nl)**

## MONO CRUISE ADJUSTMENT

### TUNING

— Set the MONO PITCH (left side) in the middle and tune the monophonic section by trimmer Pd1

### KEYBOARD TRACKING ADJ.

— Insert TRUMPET and PRESET, press the highest C (last key on the right).  
Read, by a DMM (Digital Multi Meter), across Rd67 (1k2) 1V. voltage. The Trimmer Adjustment is Pd2.

### VCF ADJ.

— Insert FLUTE and FREE, CUT OFF "downwards" (minimum level), RESONANCE "upwards" (maximum level). Adjust trimmer Pd3 in such a way that the VCF oscillating frequency is the same as the fundamental of the pressed key.

### LFO ADJ.

— Leaving the FLUTE inserted and re-inserting the FREE, set on the LFO with DEPTH "upwards". Insert the DMM between the collector of BC 416 (TC9) and ground. Then adjust trimmer Pd4 for a value of 4,39 V.

### VCA ADJ.

— Short-circuit the diode Dd14, insert FLUTE, cut out the LFO with the VOLUME "upwards". Insert the DMM between the collector of BC 416 (Td7) and ground. Then adjust trimmer Pd5 for a value of 4,39 V.

### OFFSET LFO ADJ.

— Adjust Pd6 in such a way that, with TRUMPET and LFO inserted, DEPTH and SPEED "upwards", the sound is still acoustically in tune.

### OFFSET VCA ADJ.

— Set on PICCOLO and FREE, CUT OFF "upwards", RESONANCE and ATTACK "downwards" and adjust Pd7 in such a way that the attack sound is "clickless"

### LOGIC BOARD POLY

P.C.	440 99 0175		
1Cn 1-4	1458	367 99 7004	
1Cn 2	4016	367 99 6004	
1Cn 3-9-10	4011	367 99 6002	
1Cn 5	4075	367 99 6025	
1Cn 6-7	4049	367 99 6012	
1Cn 8	4082	367 99 6023	
1Cn 11	4071	367 99 6022	

### LOGIC BOARD MONO

P.C.	440 99 0176		
1Ch 1-2	4071	367 99 6022	
1Ch 3	4072	367 99 6014	
1Ch 4-7-8	4001	367 99 6001	
1Ch 5	4049	367 99 6012	
1Ch 6	4013	367 99 6003	
1Ch 9	4070	367 99 6024	

### FILTERS & GENERATION BOARD MONO

P.C.	440 99 0178		
1Cd 1	3046	367 99 7007	
1Cd 2-5-6-8-10-12-13-14	4016	367 99 6004	
1Cd 3	4069	367 99 6005	
1Cd 4	4013	367 99 6003	

## NOTES

### Position

### POWER SUPPLY BOARD

P.C.	440 99 0150		
Dg 2+9		1 N 4001	361 99 4001
ICg 1-2		L M 317	367 99 8006
ICg 3-4		L M 337	367 99 8007

### CONTACT BOARD POLY

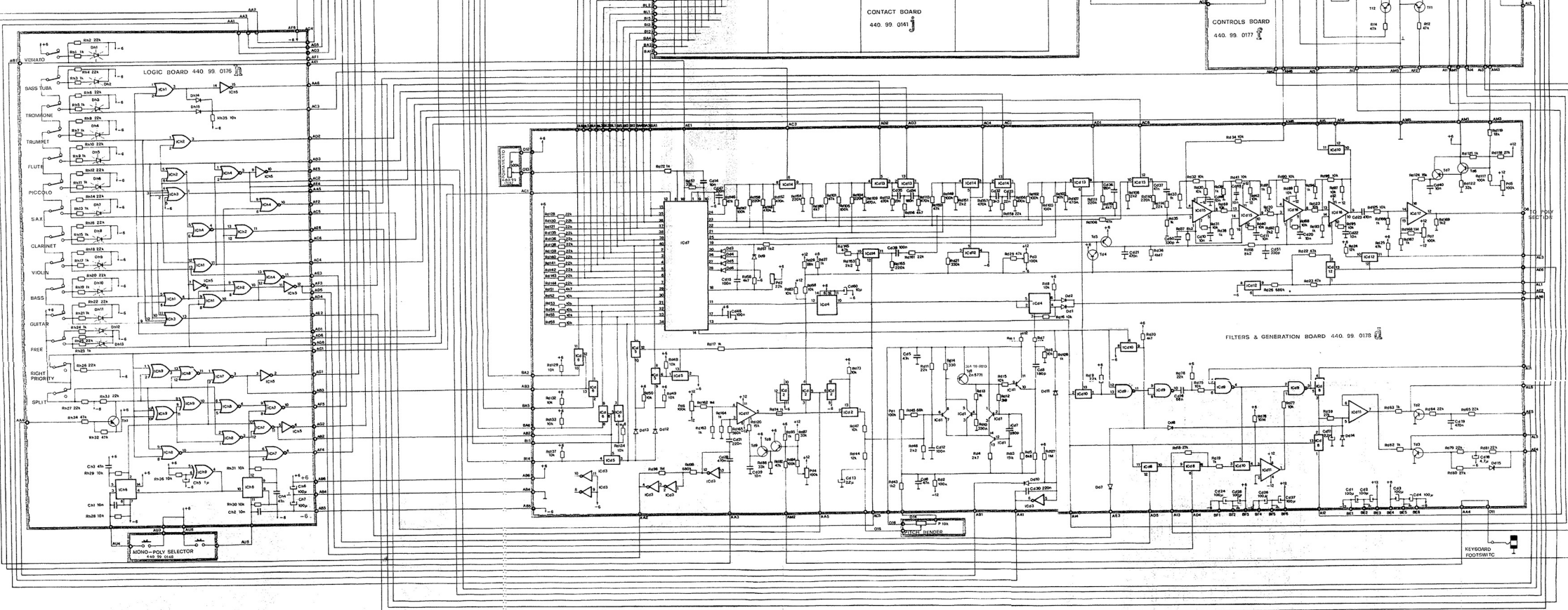
P.C.	440 99 0140		
ICc 1+12		TDA 1008	367 99 5011
ICc 13		S 50242	367 99 5001
ICc 14		4069	367 99 6005
ICc 15		1458	367 99 7004
ICc 16		4066	367 99 6026

### FILTERS & DELAY LINES BOARD

P.C.	440 99 0179		
ICk 1-2-3-12		1458	367 99 7004
ICk 4-6		3302	367 99 7003
ICk 5-14-15-16		4016	367 99 6004
1Ck 7-8		4013	367 99 6003
1Ck 9-10-11		TDA 1022	367 99 5012
1Ck 13		13600	367 99 7005
1Cd 7		M 110 B1	367 99 5017
1Cd 9		4011	367 99 6002
1Cd 11		1458	367 99 7004
1Cd 15-16-17		13600	367 99 7005

- 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 1/4 W Unless otherwise indicated
- All Electrolytic capacitors 16V DC Unless otherwise indicated
- All Switches shown in off position.

# MONO SECTION

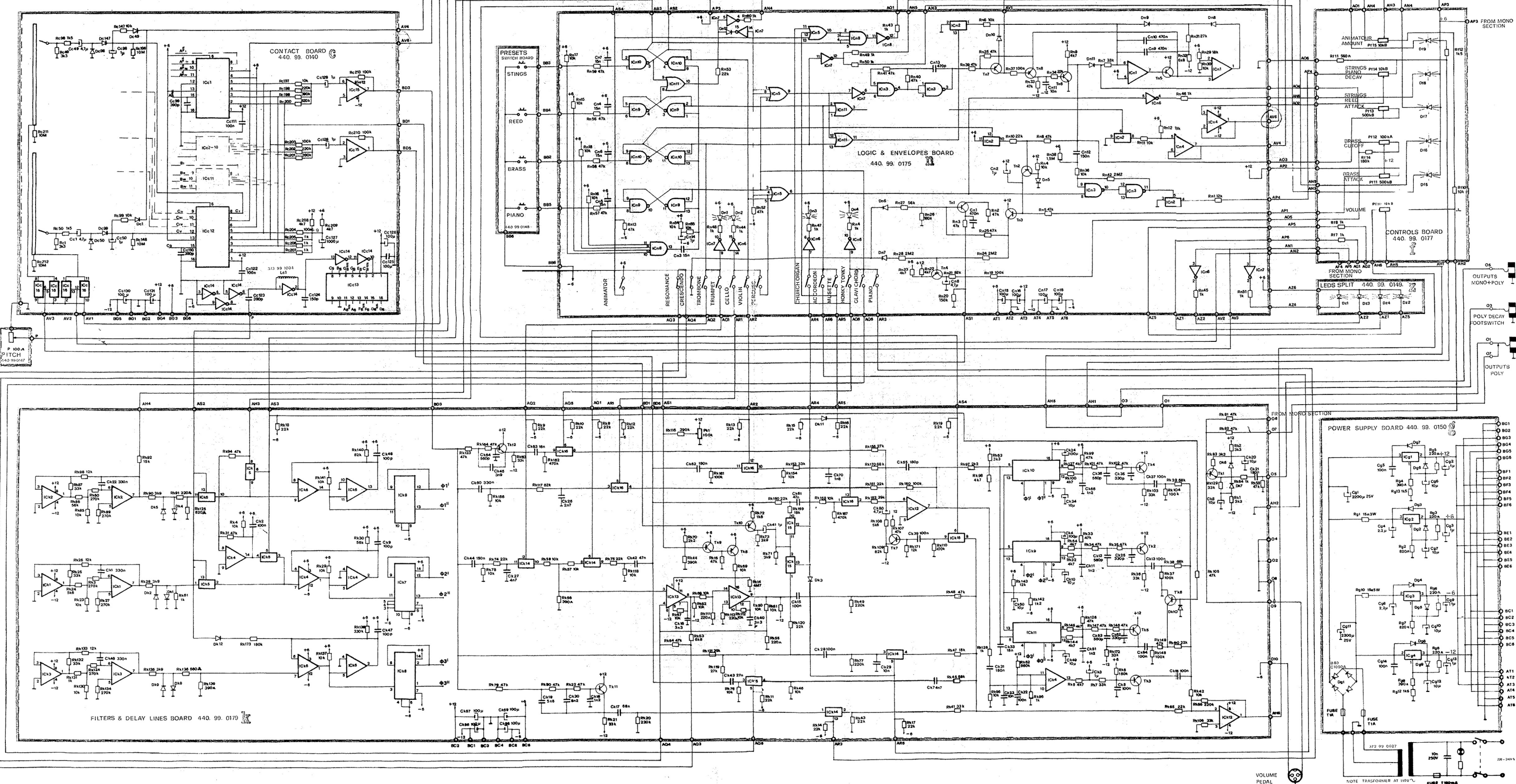


TO POLY SECTION

POLY SECTION

KEYBOARD FOOTSWITCH

# POLY SECTION



NOTE TRANSFORMER AT 110V V.  
HAS THE CODE NUMBER  
372 99 0029  
FUSE 100mA