



ELECTRON-MUSIC
Willeck & Gaul
Neuauflageninstrumente
4953 Petershagen 8 (Döhren)
Ruf 0 57 05 / 344



ELIKA

ELKARHAPSODY

610

schematic diagrams

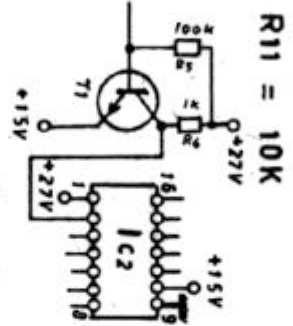
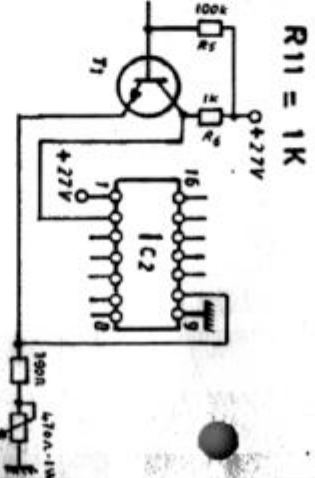
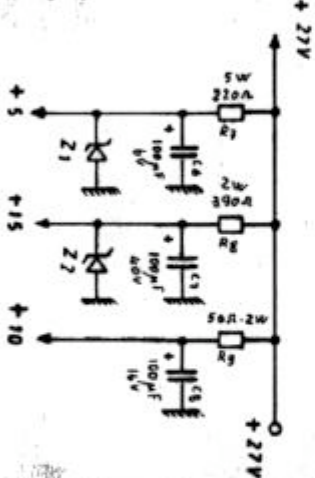
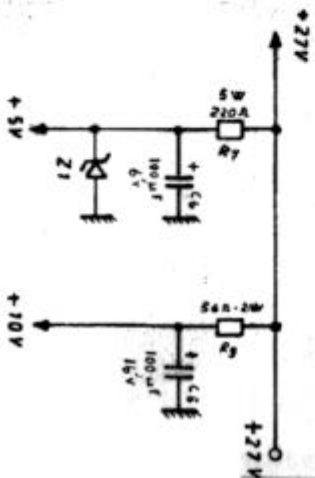
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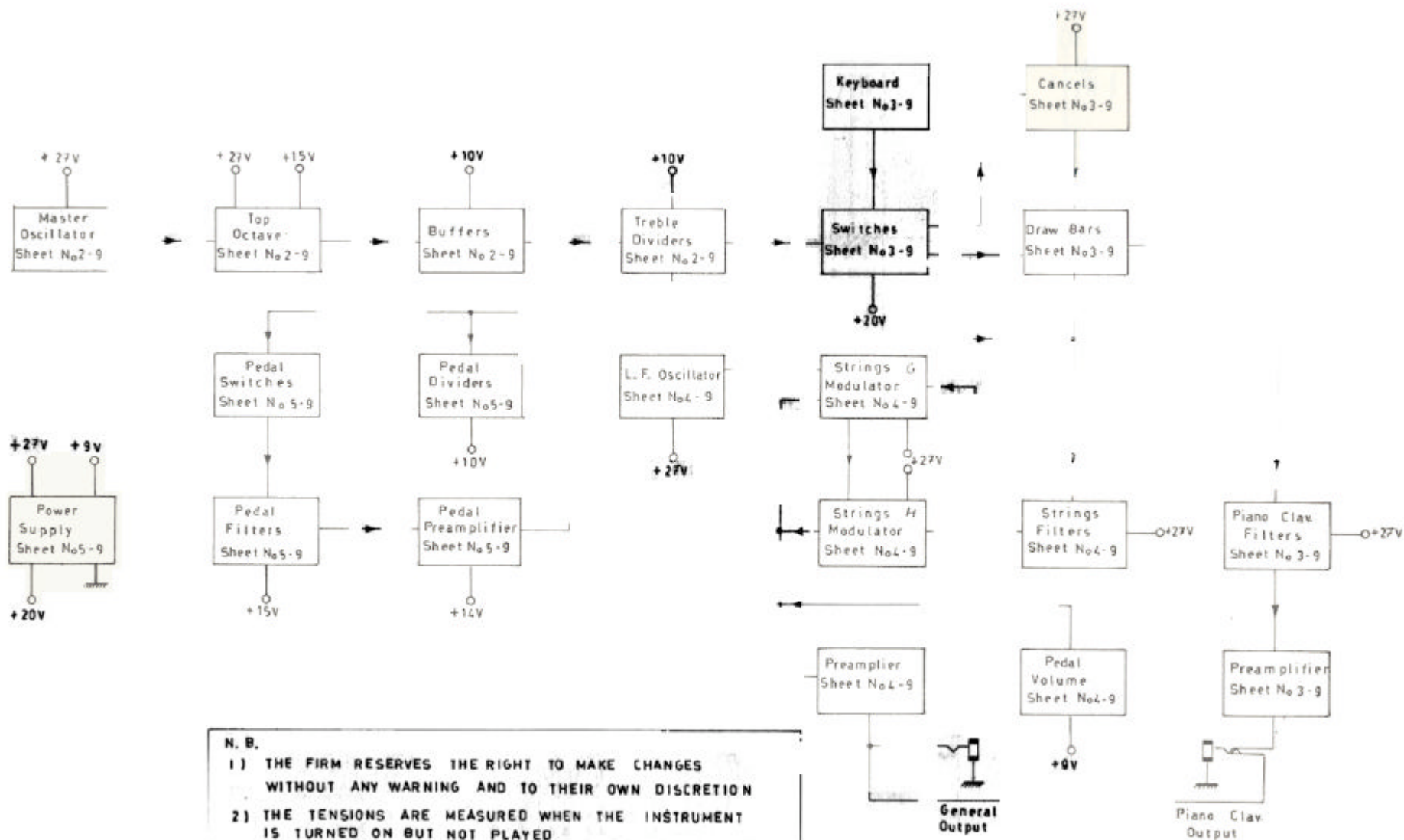


ELKA

ERRATA CORRIGE

Model
Elkarhapsody 610

Sheet N ^o	Date	Printed Circuit	MODIFICATIONS	
			Before	Now
4-9	6-4-77	M000642	R11 = 10K 	R11 = 1K 
2-9	14-4-77	M000641		



N. B.

- 1) THE FIRM RESERVES THE RIGHT TO MAKE CHANGES WITHOUT ANY WARNING AND TO THEIR OWN DISCRETION
- 2) THE TENSIONS ARE MEASURED WHEN THE INSTRUMENT IS TURNED ON BUT NOT PLAYED

Designed by
J. J. J. J.

Drawn by
J. J. J. J.

Checked by
J. J. J. J.

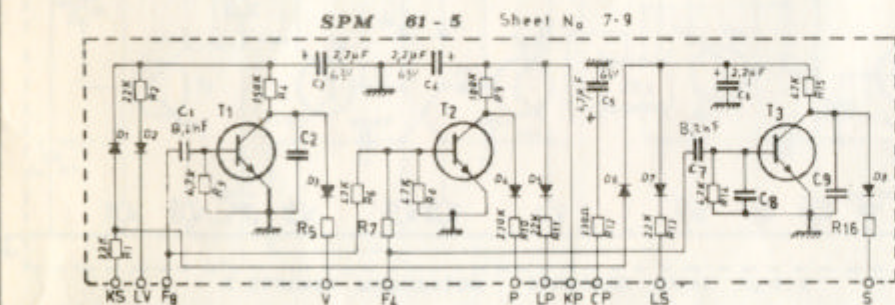


Model
Elkarhassady
610

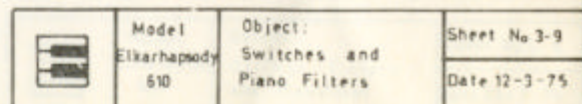
Object:
Block Diagram

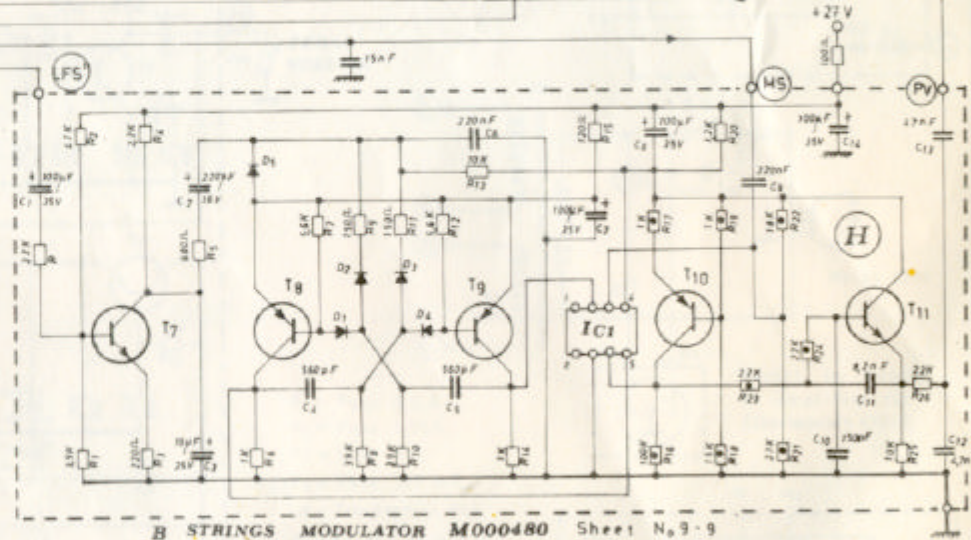
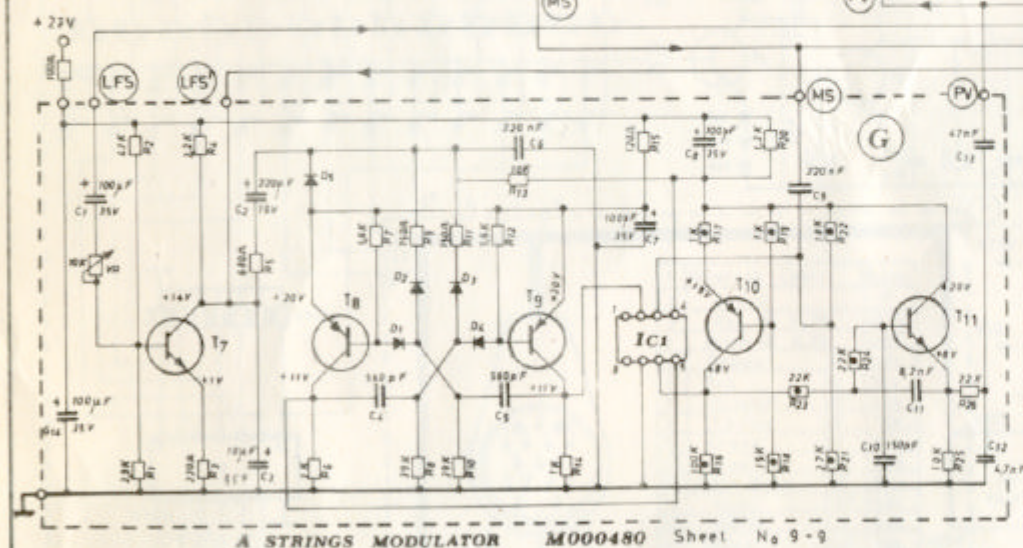
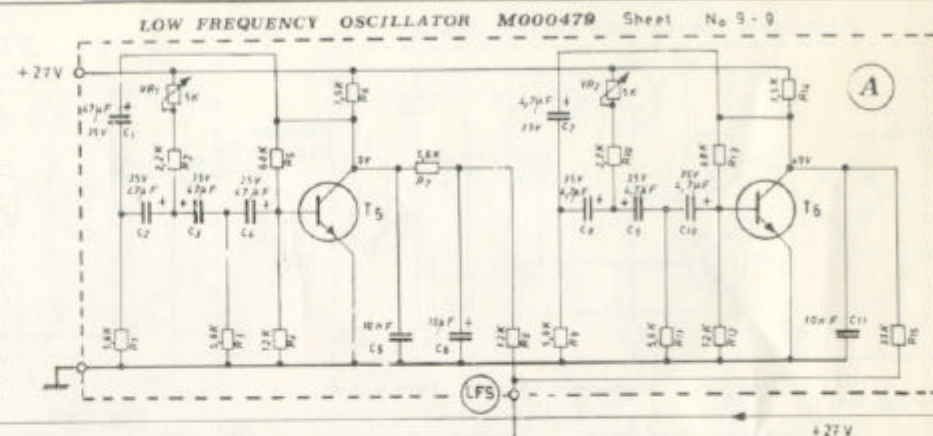
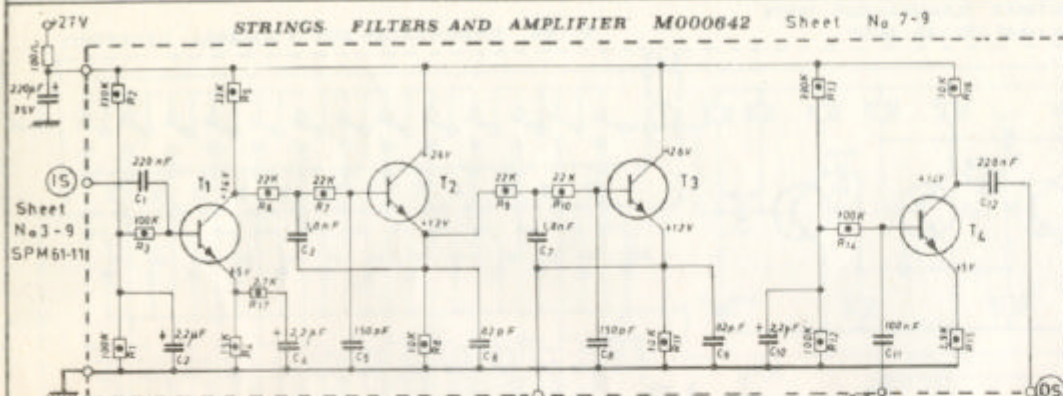
Sheet No 1-9

Date 24-3-76

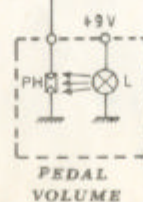
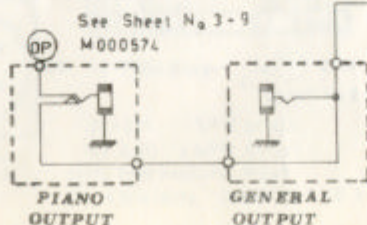


1) All values are indicated KpF and K α 2) All diodes are FDH 0666 Fairchild





Code	Type	Transistors
T1 - T4	NPN	BC 209 B
T5 - T6	NPN	BC 209 B
T7 - T11	PNP	BC 205 Mistral
T8 - T9	PNP	BC 154 BC 415 Fairchild
T10	PNP	BC 154 BC 415 Fairchild



L=12V - 3W Philips
PH=B 873103 Philips

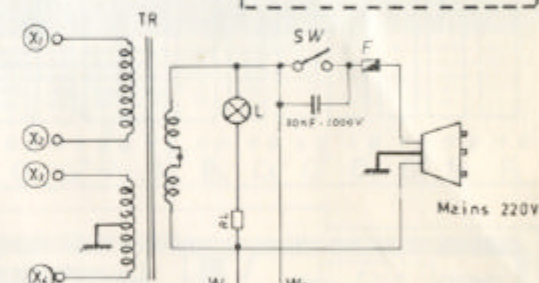
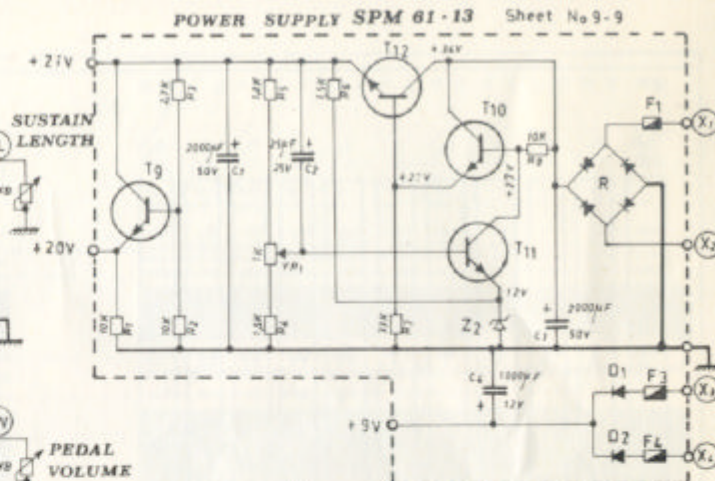
IC1 = TCA 350Y 11T

- 1 All diodes are FDH 0566 Fairchild
- 2 All resistors marked by a point must be Carbon film ones 5% tolerance

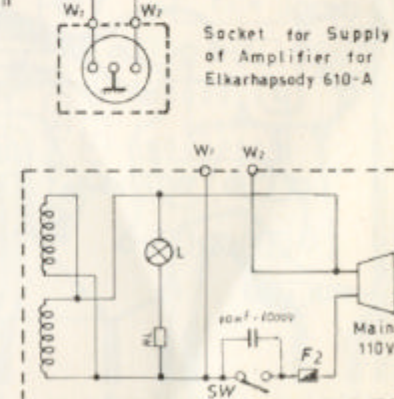
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Vorne

Model	Object:	Sheet No 4-9
Elkarhapsody 610	Strings Filters and Modulator	Date 23-1-76

FOOT PEDALBOARD CONTROL
SPM 61-19 Sheet No. 8-9



F = Fuse 0,5 A
F₁ = Fuse 1,25 A
F₂ = Fuse 1 A
F₃=F₄ = Fuse 125 mA
TR = Trasformer 063
R = Rectifier W 0.2



Code	Type	Transistors
T ₁ ÷ T ₆	NPN	FS 33805 Fairchild or BC 208-108
T ₇	NPN	OA 09 Motorola
T ₈ ÷ T ₁₁	NPN	BC 286 SGS-TIP 29 A
T ₁₂	NPN	2N 3055 Philips Motorola Ates

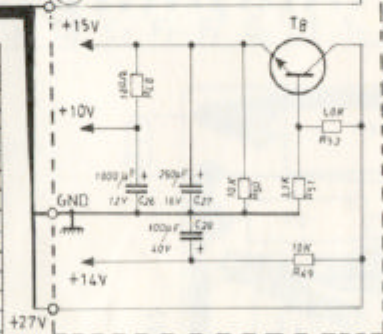
1	Shielded Cable	Output
2	Shield	≠
3	Red $\mathcal{A}^+$ 0,35	+27V
4	Black $\mathcal{B}^-$ 0,35	GND
5	Brown	C* 4dv
6	Red	D 5dv
7	Orange	D* 5dv
8	Yellow	E 5dv
9	Green	F 6dv
10	Blue	F* 5dv
11	Light Blue	G 5dv
12	Grey	G* 5dv
13	White	A 5dv
14	Pink	A* 5dv
15	Violet	B 5dv
16	Black	C 4dv

1) Pedal Output (To **P** SPM 61-11)
Sheet No 3-9

2) +27V (SPM 61-13)

4) GND (SPM 61-13)

+16) Frequencies Input
(Dividers Sheet No 2-9)



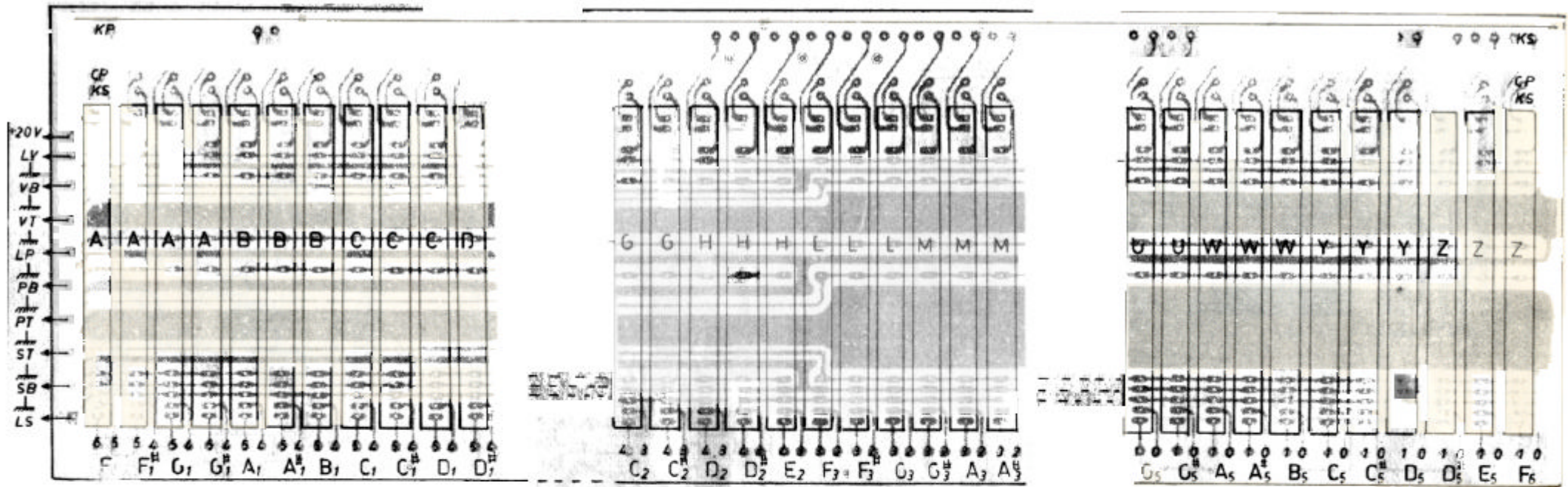
D1 = D2 = 10D2 = 1N40003
Z1 = T2 109 = 1N4739 1R = 1N4161B = ZY 91 1TT
BZ x 61 C 91 Britelec
Z2 = 1N4163 B = T2 111 = PL117
SW 4 L = Single Pole Switch and Pilot Light

All diodes are FDH 0666 Fairchild
or D407 Texas
or BA181 Texas

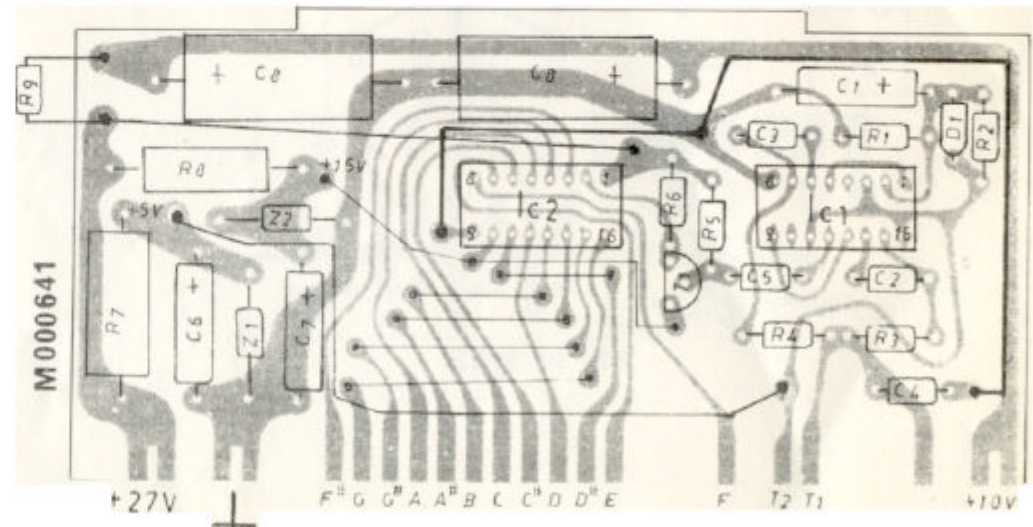
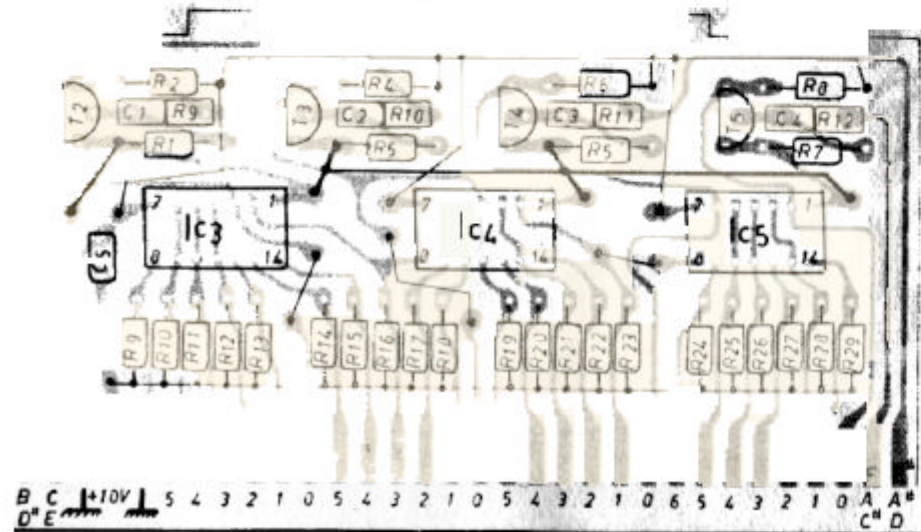
Note: All resistors marked by a point* must be Carbon film

	Model	Object:	Sheet No 5 - 5
	Elkarhapsody 510	Bass Foot Pedalboard and Power Supply	Date 24 - 3 - 76

M000575

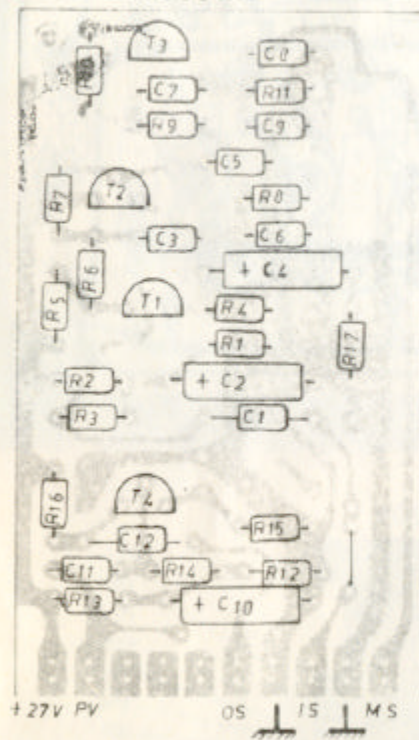


SPM 61-2

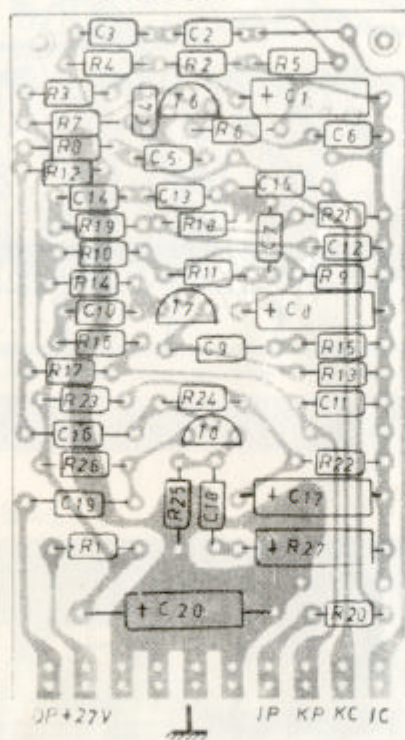


Model	Object	Sheet No 6-9
Elkarhapody	Assembly of	Date 26-3-76
610	Printed Circuit	

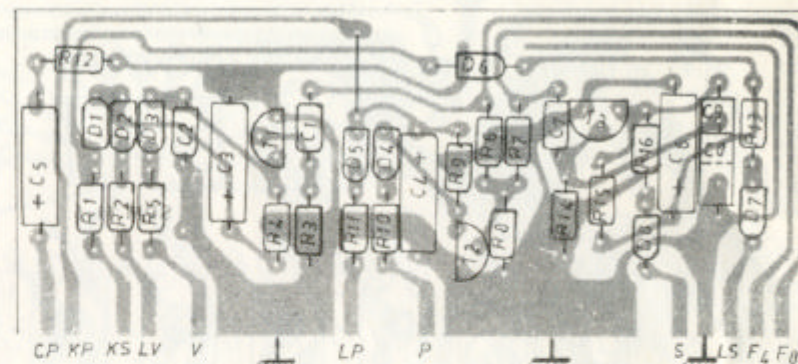
M000642



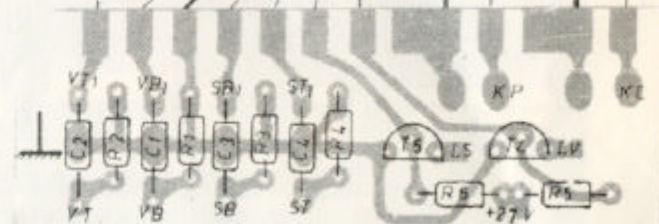
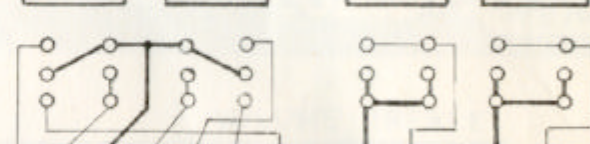
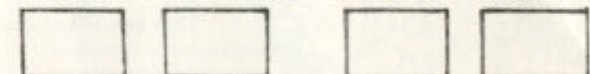
M000574



SPM 61-5



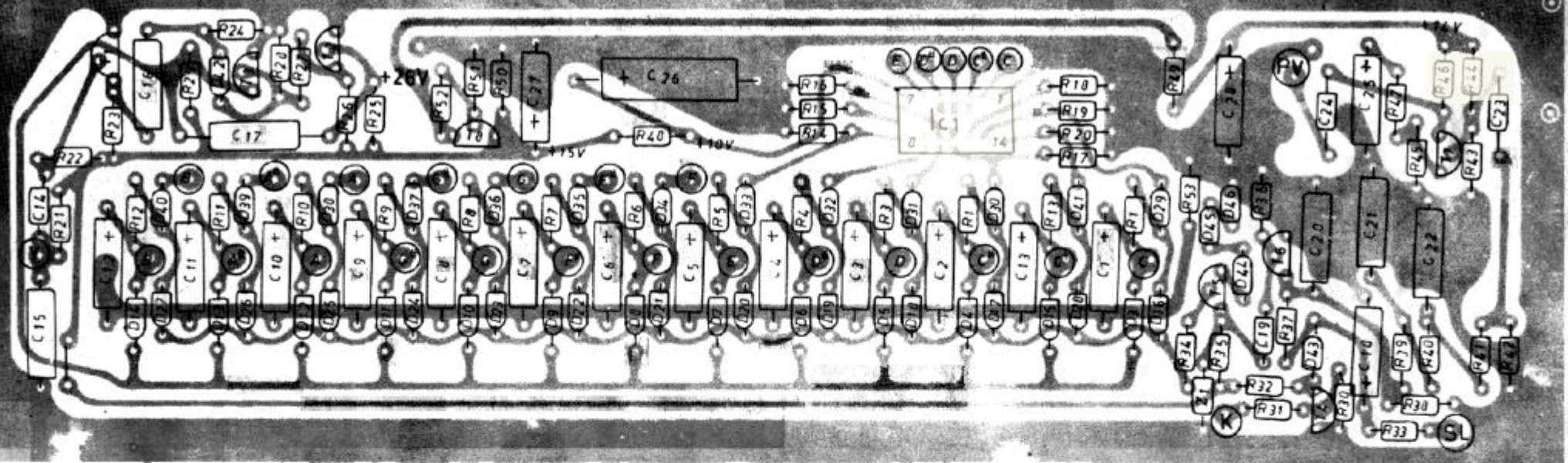
VIOL. STRINGS PIANO CLAV.



SPM 61-15

	Model	Object	Sheet No 7-9
	Elkarhapsody 610	Assembly of Printed Circuit	Date 25-3-76

SPM 61-19

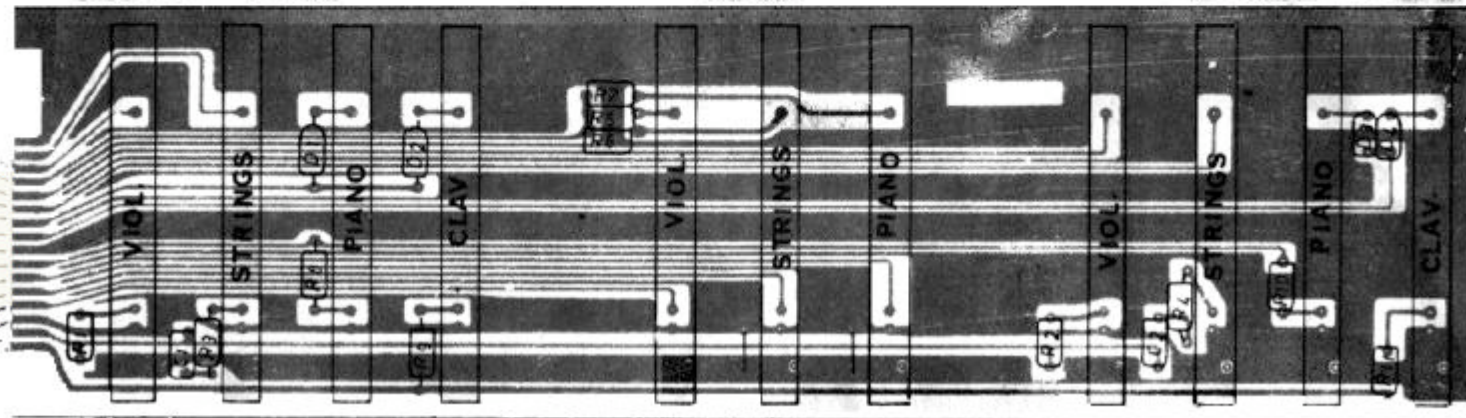


VOLUME BASS

DECAY

VOLUME TREBLE

SB1
VB1
+27V
VT1
ST1
PB
PT
IP
LP
LS
LV
IS
IC

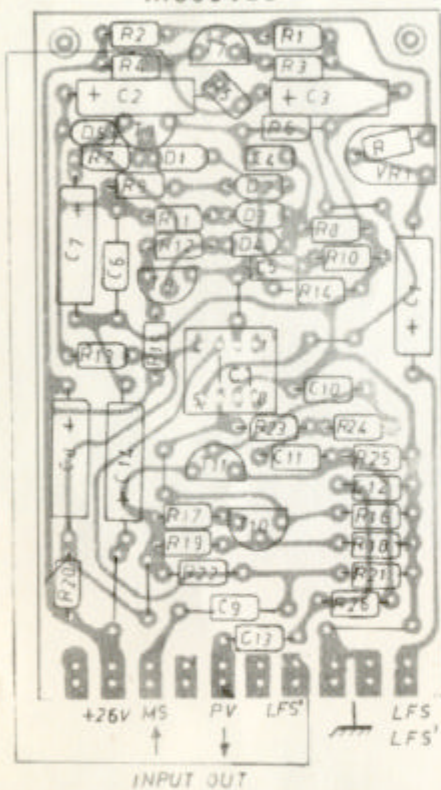


SPM 61-11

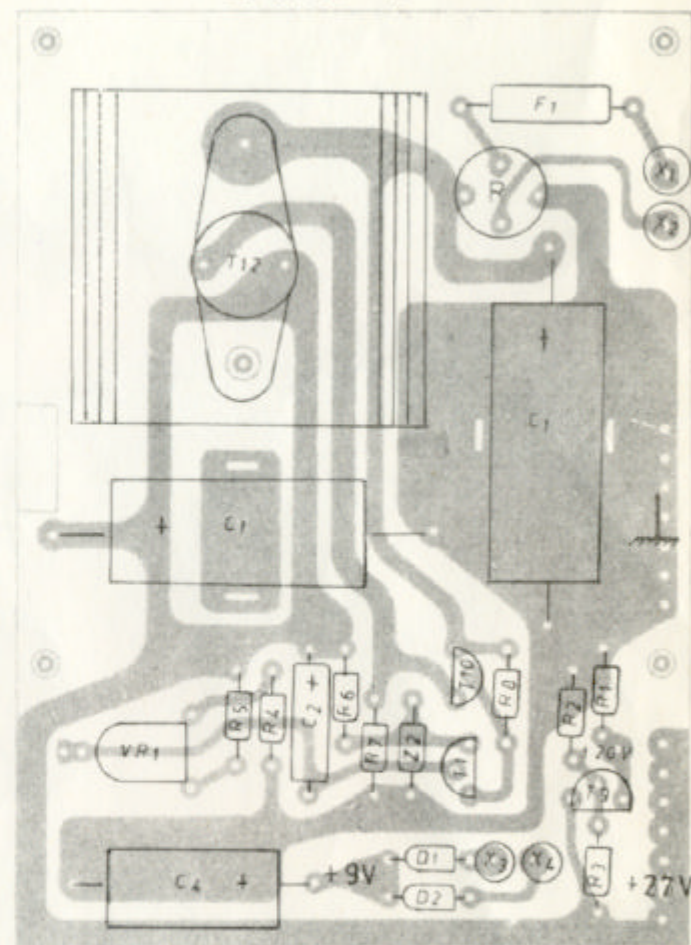
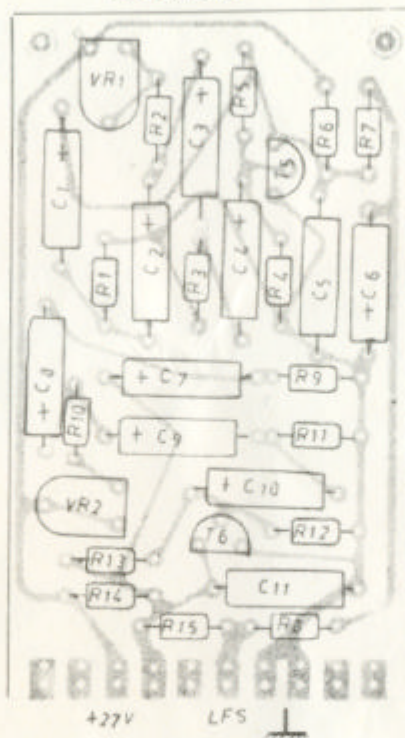
	Model Elkarhpsody 610	Object Assembly of Printed Circuit	Sheet No 8-9 Date 29-3-76
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SPM 61 - 13

M000480



M000479



	Model	Object	Sheet No 9 - 9
	Elkarhapy 610	Assembly of Printed Circuit	Date 29-3-76

ELECTRON-MUSIC

Wilcek & Gaul

Kunstinstrumente

4703 Paderborn 8 (Döhren)

Ref 0 57 03/343

Manufactured by **ELKA**

PD box 1

Castelgudardo

Italy

ELECTRON-MUSIC
Wilcek & Gaul OHG