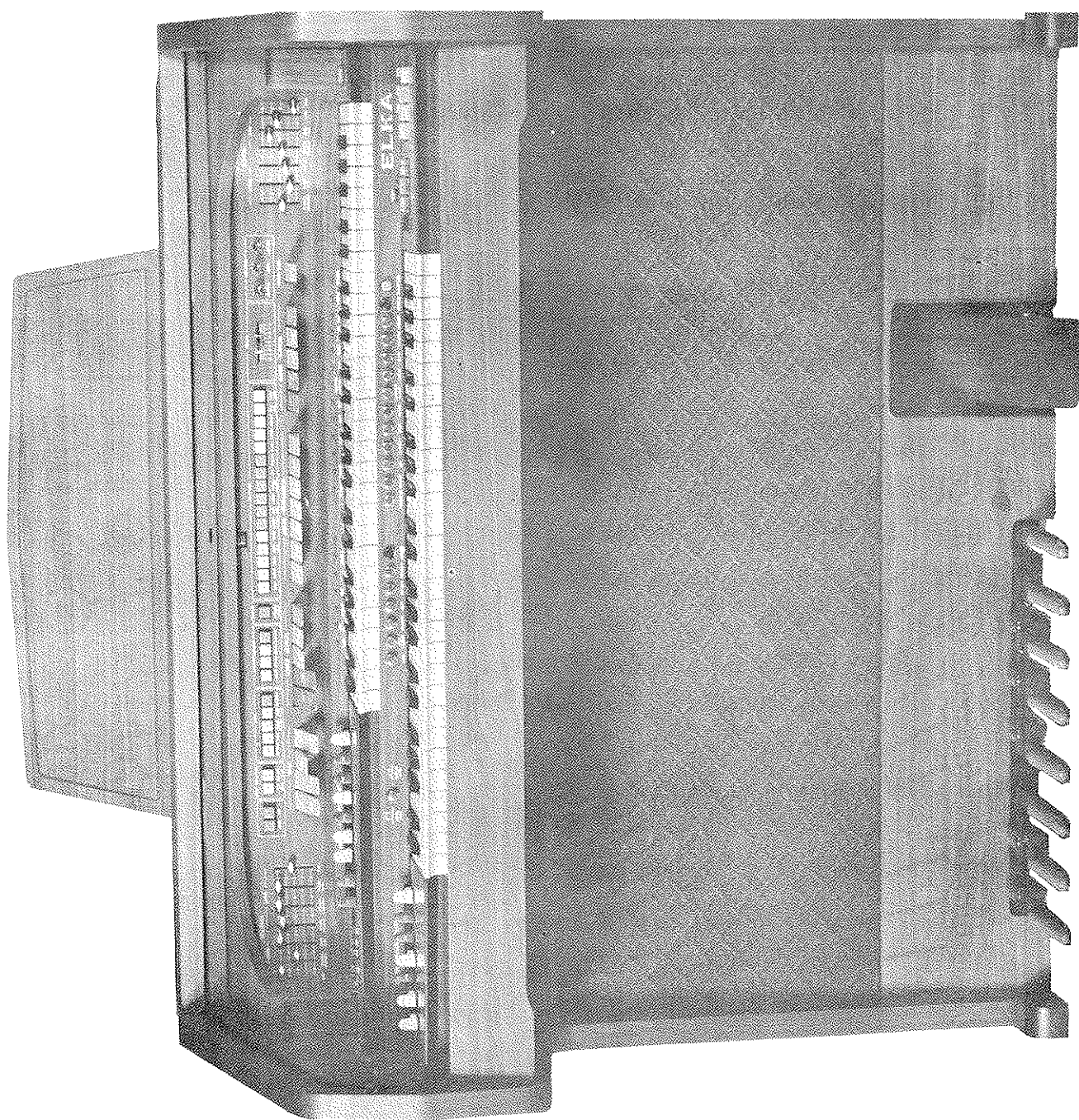




ELIKA

ARTIST
707

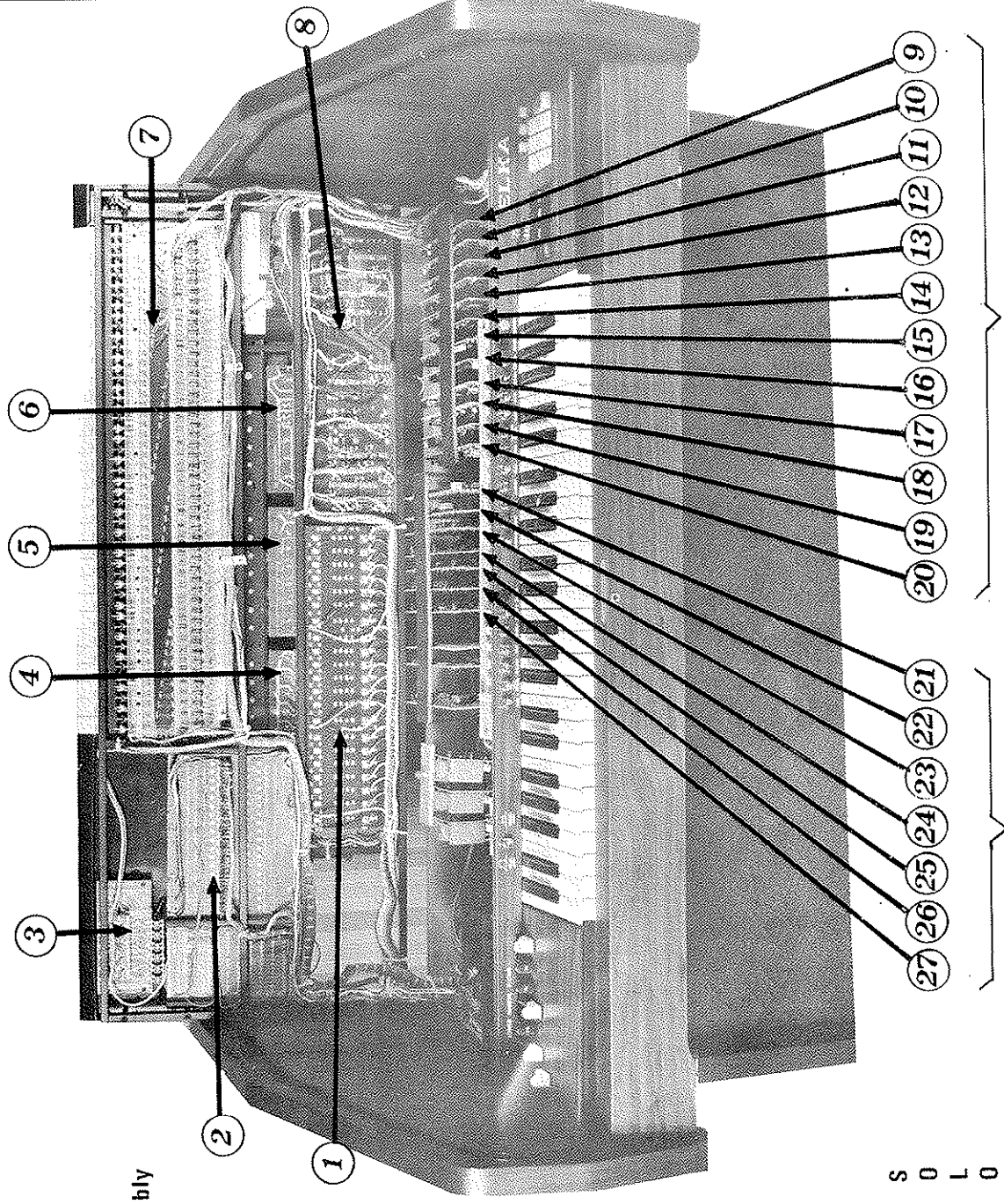
schematic diagrams



- 1 410CST0771 - Matrix for flutes filters
- 2 410CST0757 - Upper drawbars
- 3 410CST0730 - Solo variations
- 4 410CST0759 - Lower manual register
- 5 410CST0760 - Percussion register
- 6 410CST0761 - Upper manual register
- 7 410CST0748 - Upper keyboard contacts assembly
- 8 410CST0819 - Matrix
- 9 410CST0735 A
- 10 410CST0735 B
- 11 410CST0735 C
- 12 410CST0736
- 13 410CST0737
- 14 410CST0738
- 15 410CST0739
- 16 410CST0740
- 17 F000576
- 18 F000577
- 19 410CST0741
- 20 410CST0742
- 21 410CST0722 - Decoder
- 22 410CST0723 - Encoder
- 23 410CST0724 - Wave form generator
- 24 410CST0725 - Vibrato telstar pitch bend
- 25 410CST0726 - VCA - VCF controls
- 26 410CST0727 - Timbre control
- 27 410CST0728 - VCA - VCF

R H Y T H M U N I T

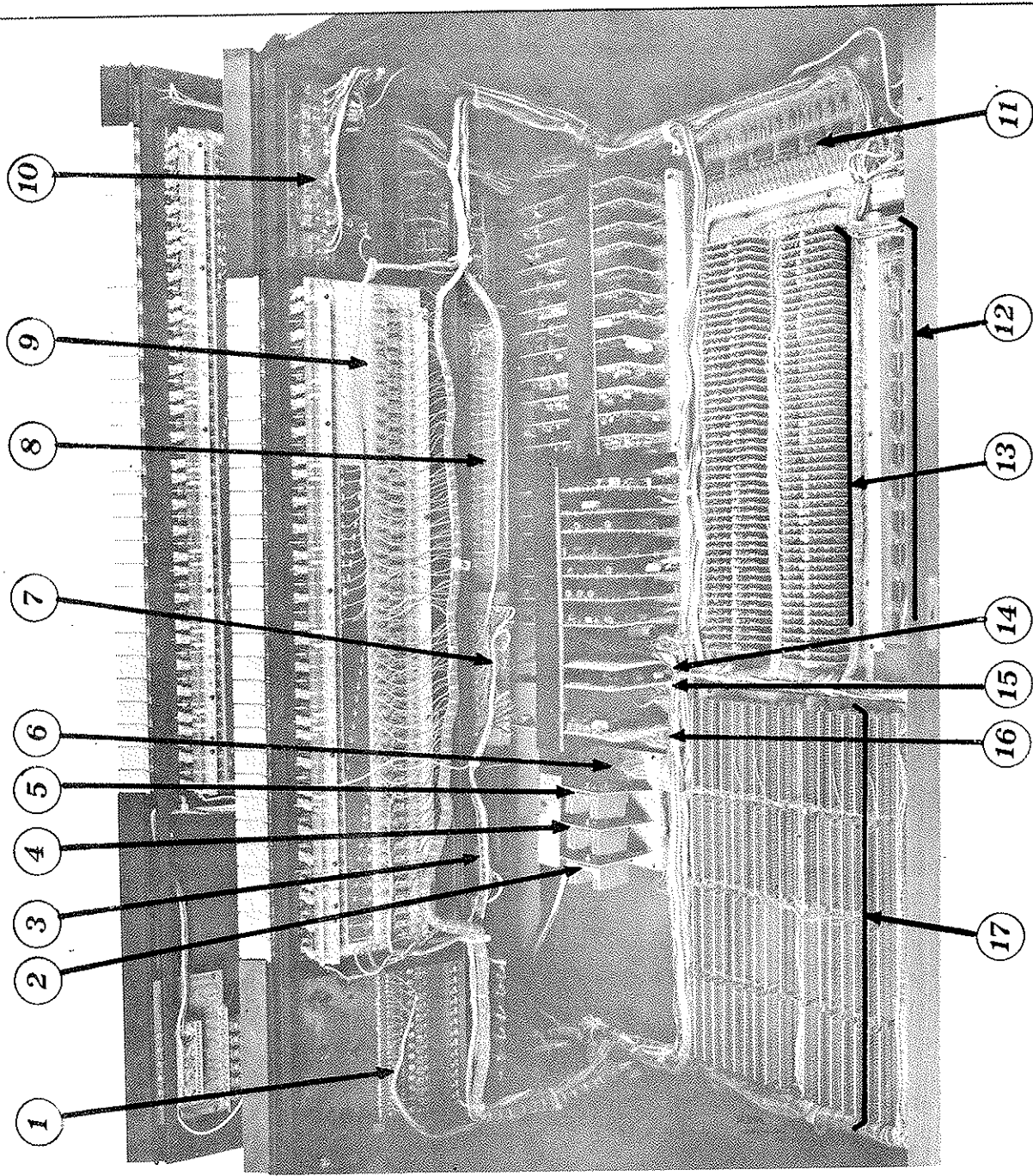
S O L O



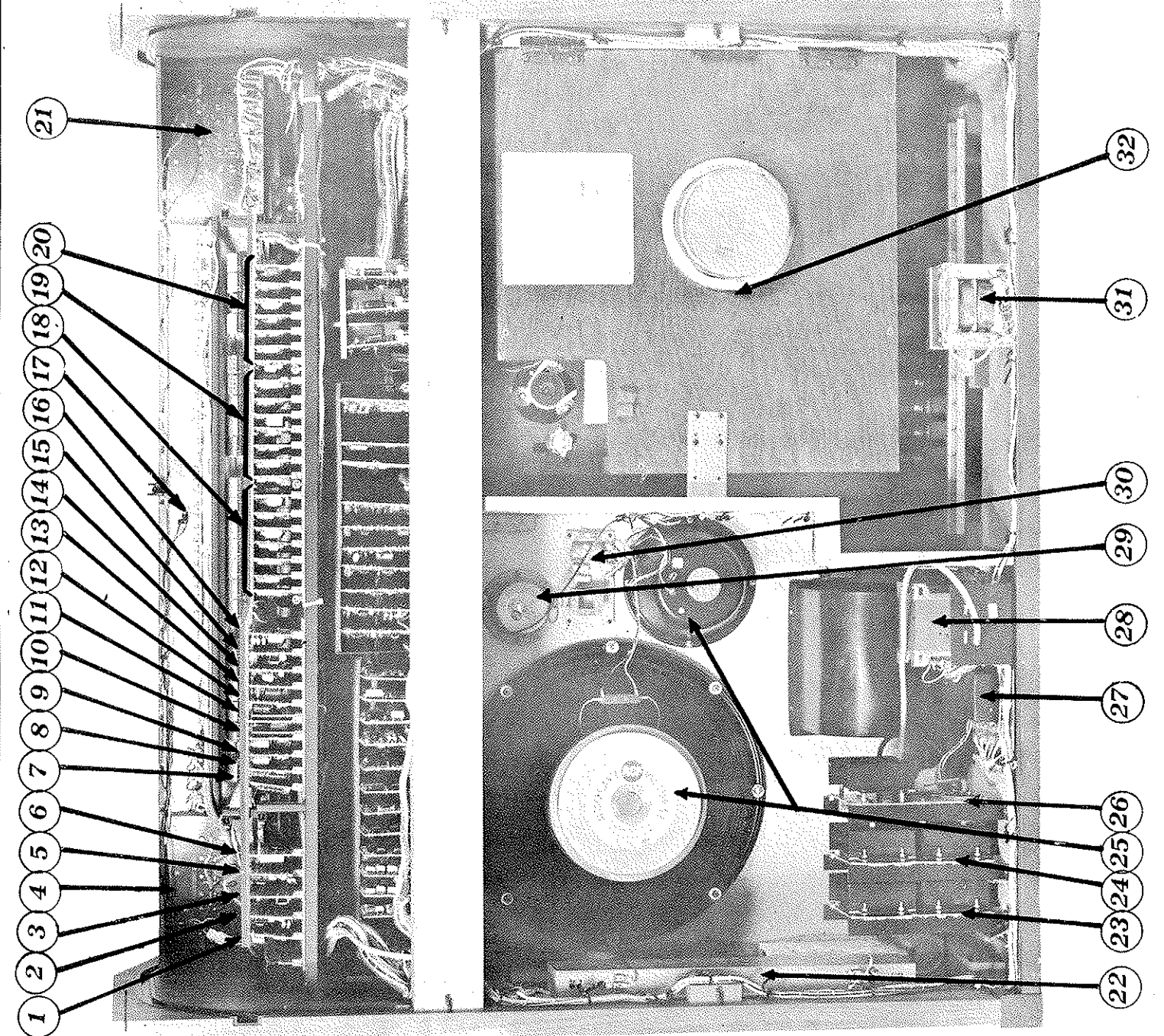
SOLO

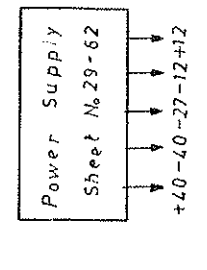
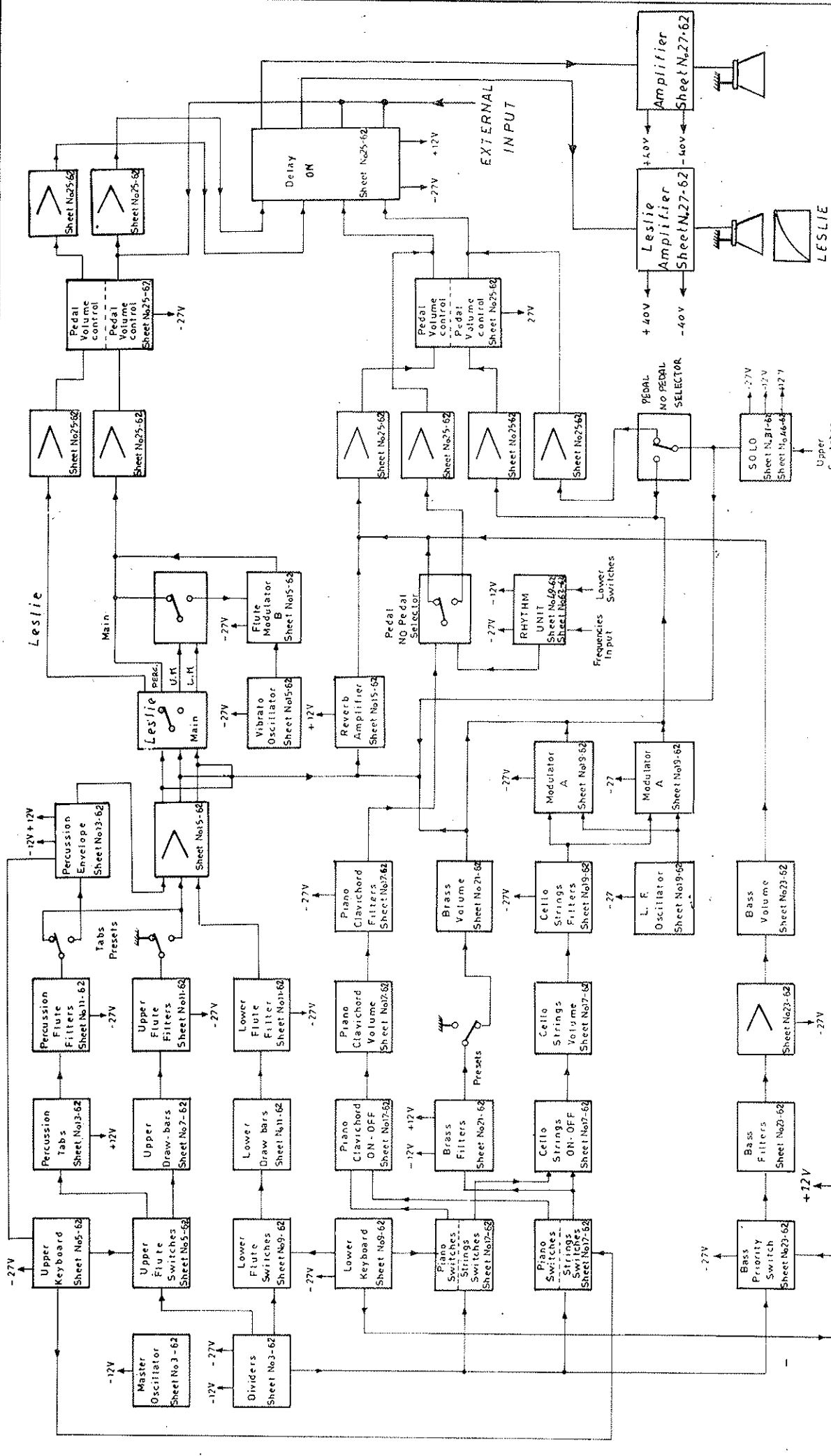
RHYTHM UNIT

- 1 410CST0750 - Lower drawbars
- 2 F000627 - Power supply + 12V
- 3 410CST0751 - Pedal bass - manual bass
- 4 F000627 - Power supply - 27V
- 5 F000627 - Power supply - 12V
- 6 410CST0770 - Matrix for power supply
- 7 410CST0753 - Presets push-button assembly
- 8 410CST0753 - Solo push-button assembly
- 9 410CST0748 - Lower keyboard contacts assembly
- 10 410CST0756 - Leslie and vibrato register
- 11 410CST0717 - Strings memorization
- 12 410CST934- Master oscillator and dividers
- 13 F000589 - Piano strings switches
- 14 410CST0871
- 15 410CST0718 - Bass selector
- 16 410CST0720 - Brass
- 17 Flutes switches



- 1 410CST0896 - Preamplifier A
- 2 410CST0926 - Expression pedal control A
- 3 410CST0777 - Delay on
- 4 410CST0857 - Sustain controls
- 5 410CST0926 - Expression pedal control B
- 6 410CST0896 - Preamplifier B
- 7 410CST0775 - Piano clavichord filters
- 8 410CST0772 - Low frequency oscillator
- 9 410CST0773 - Modulator A
- 10 410CST0773 - Modulator A
- 11 410CST0776 - Strings filters
- 12 410CST0773 - Flute modulator B
- 13 410CST0774 - Vibrato
- 14 410CST0781 - Reverb amplifier
- 15 410CST0782 - Percussion
- 16 410CST0779 - Preamplifier
- 17 410CST0744 - Rhythm and automatic on-off
- 18 F000445 - Lower keyboard flutes filters
- 19 F000445 - Percussion and presets filters
- 20 F000445 - Upper keyboard flutes filters
- 21 410CST0855 - Volumes
- 22 Reverb Unit
- 23 410CST0820 - Leslie amplifier
- 24 410CST0820 - Main amplifier
- 25 Loudspeakers
- 26 410CST0821 - Power supply for amplifier
- 27 410CST0935 - Fuse
- 28 Transformer for amplifier
- 29 Tweeter
- 30 410CST0823
- 31 Transformer for organ
- 32 Leslie unit





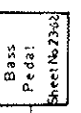
N. B.

- 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

Transistors	Equivalents
BC 171	BC 173 - BC 108 - BC 208 - BC 209
BC 173	BC 109 - BC 209 - BC 239
BC 415 B	BC 205 B - BC 308 B
BC 415 C	BC 205 C - BC 308 C
BC 205 C	BC 308 C
BC 308 C	BC 205 C

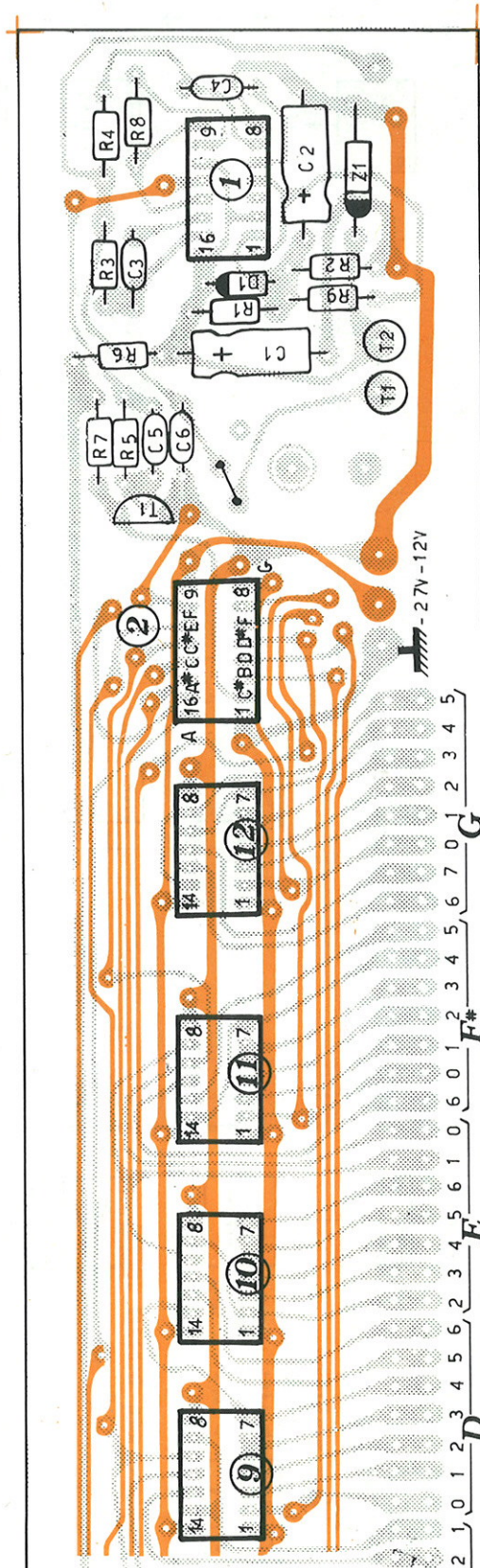
All diodes are FDH4939 Fairchild or BA 130

NOTE:
RESISTORS MOUNTED 10mm ABOVE BOARD
NON INFLAMMABLE RESISTORS MOUNTED 10mm ABOVE BOARD




Designed by
Drawn by
Checked by
1/2 w RESISTORS

(427GR05843)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILE THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Street No 2-62 Date 8-9-78
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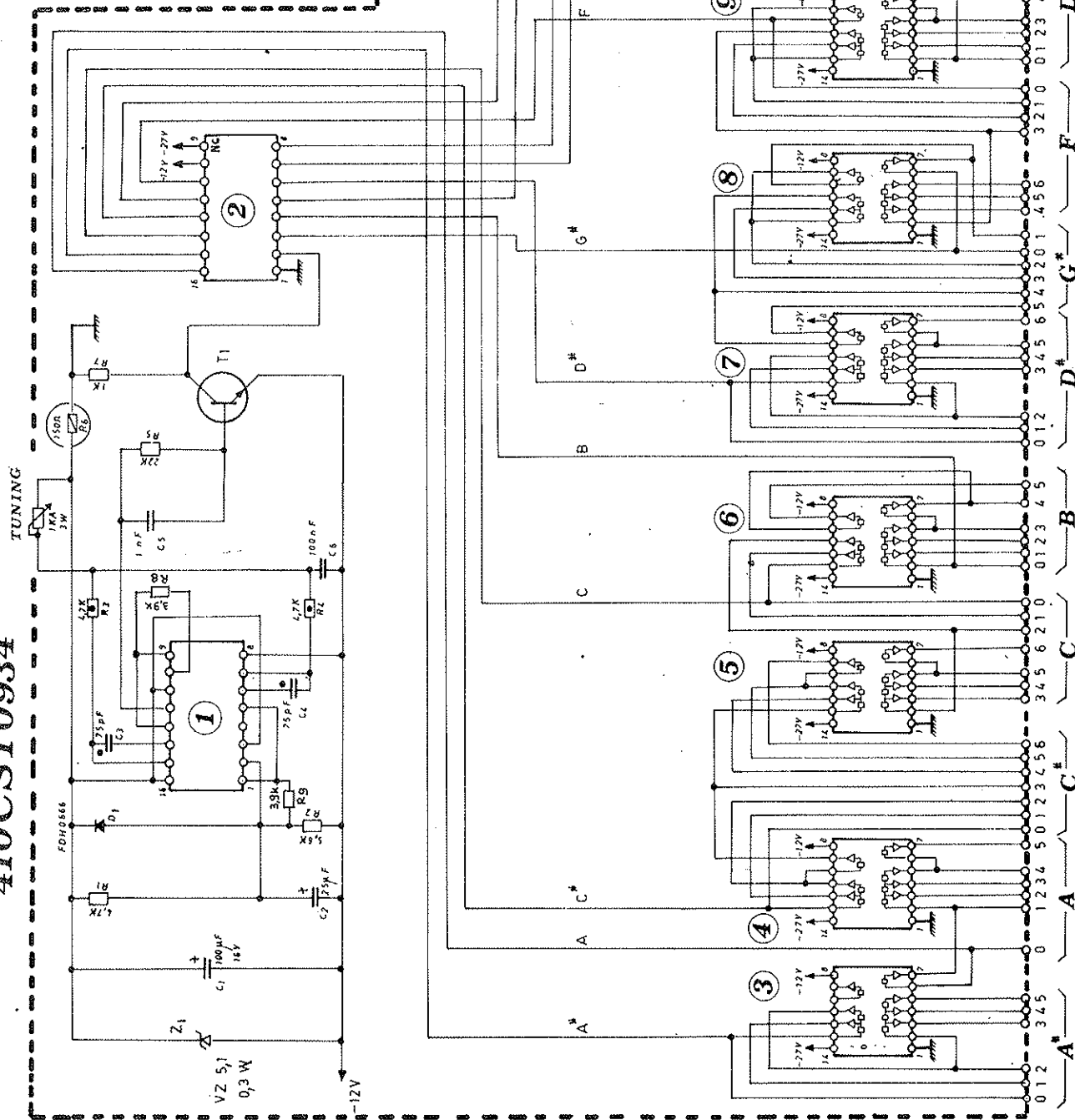
410CST0934

Code	Type	Transistors
T ₁	NPN	BC 171

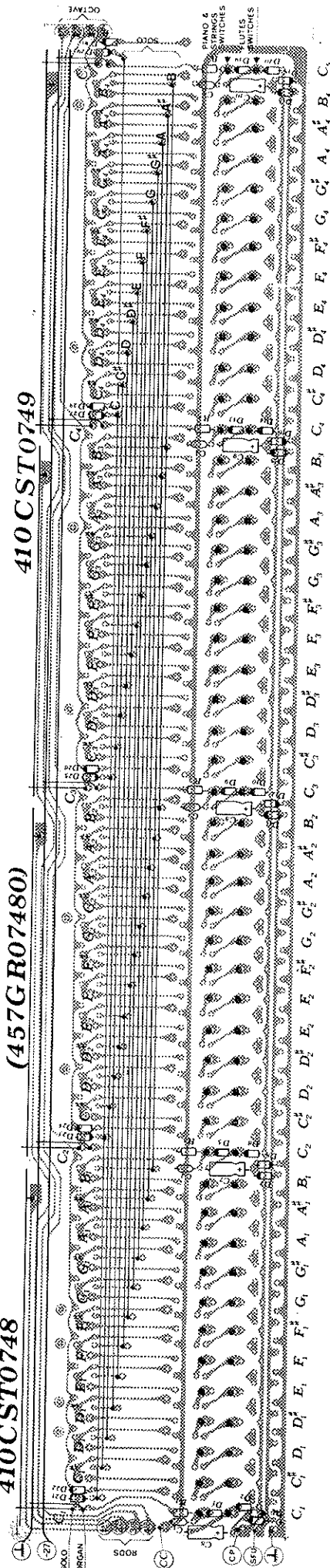
Integrated circuit		
Code	Type	Manufactured
1	74221	Texas
2	MK 50242	Mostek
3 ÷ 12	HBF740AE	SGS

- 1) All resistors marked by a point • must be metal film 2% tolerance
- 2) All capacitors marked by a point • must be polystyrene 2% tolerance

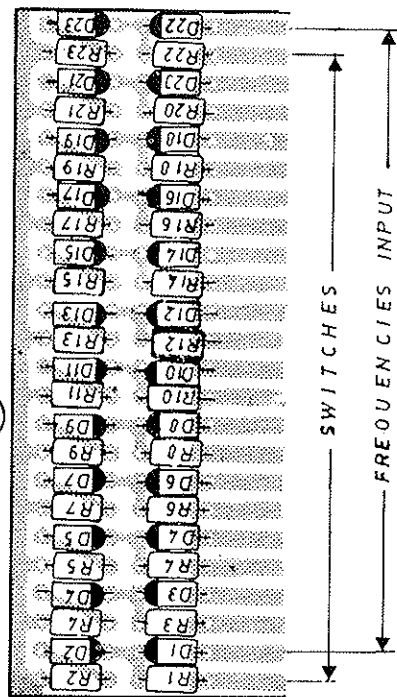
-12V -27V



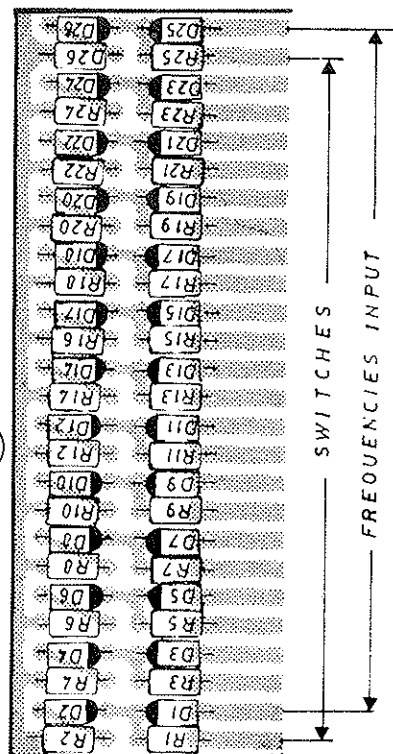
410 CST0749



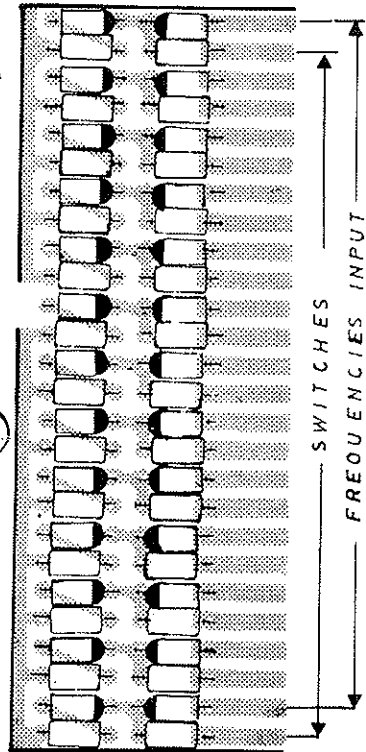
M000487 ⑫




(427GR0487B)



M000488 (4) (427GR0488E)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 4-62
			Date 19-7-77

Object	Upper	Sheet Nos - 6
	Keyboard	Date 25-8-77

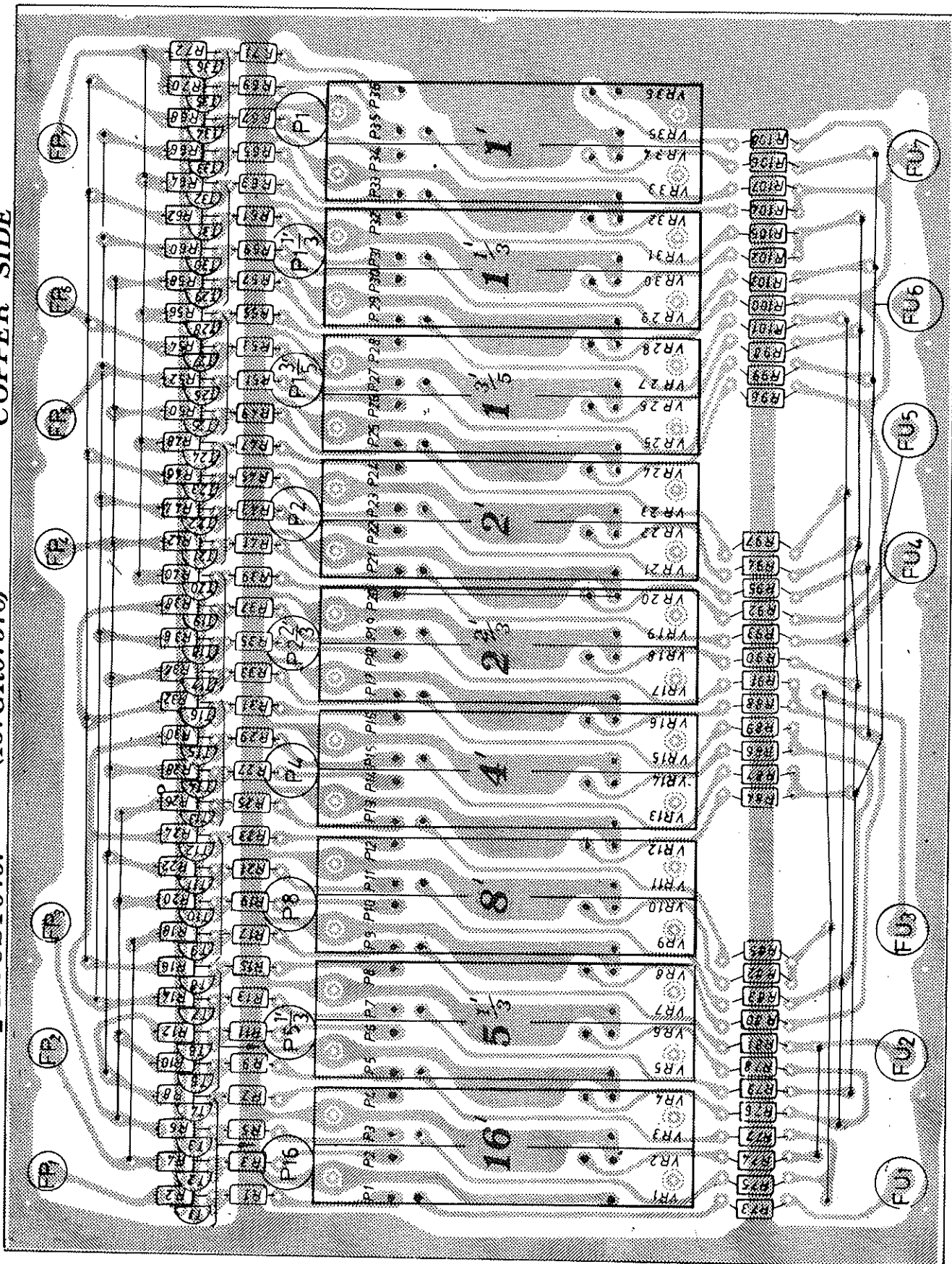
1/2 410CST0757

(457GR07570)

COPPER SIDE

F000512

(427GR05120)

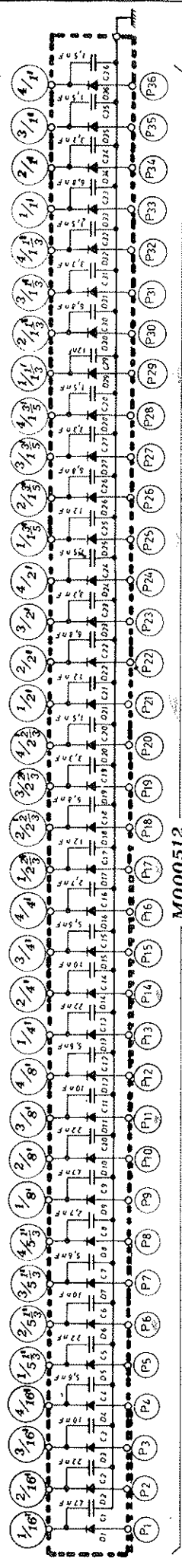


- P1 [C1]
- P2 [C2]
- P3 [C3]
- P4 [C4]
- P5 [C5]
- P6 [C6]
- P7 [C7]
- P8 [C8]
- P9 [C9]
- P10 [C10]
- P11 [C11]
- P12 [C12]
- P13 [C13]
- P14 [C14]
- P15 [C15]
- P16 [C16]
- P17 [C17]
- P18 [C18]
- P19 [C19]
- P20 [C20]
- P21 [C21]
- P22 [C22]
- P23 [C23]
- P24 [C24]
- P25 [C25]
- P26 [C26]
- P27 [C27]
- P28 [C28]
- P29 [C29]
- P30 [C30]
- P31 [C31]
- P32 [C32]
- P33 [C33]
- P34 [C34]
- P35 [C35]
- P36 [C36]

THE NUMBERS IN BRACKETS REPRESENT THE U.S. MILITARY CODES OF THE ASSEMBLED BOARD. THE OTHERS REPRESENT THE U.S. CODES OF THE NON-ASSEMBLED BOARDS.

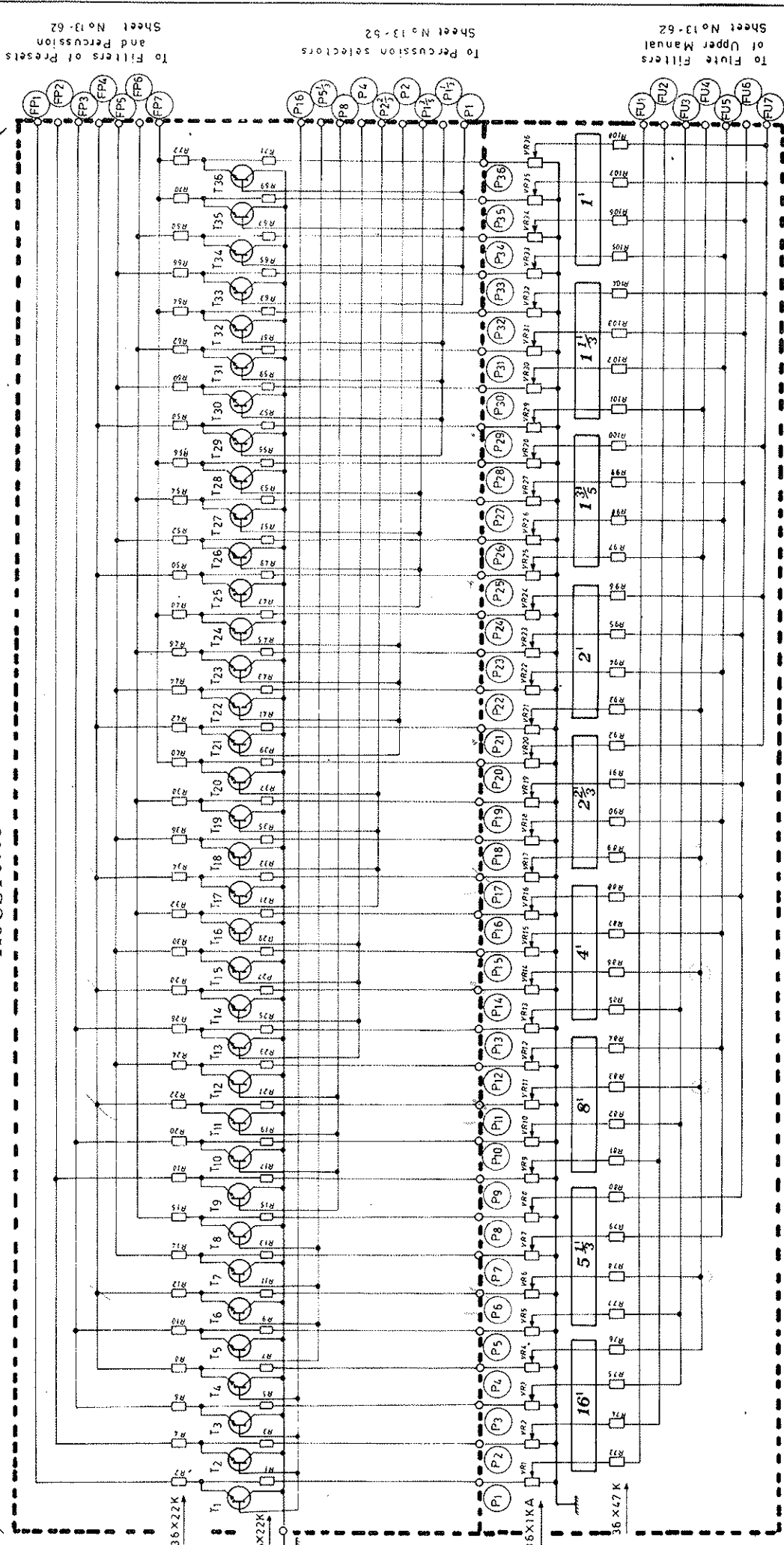
Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No. 6-62
		Date 1-9-77





M000512

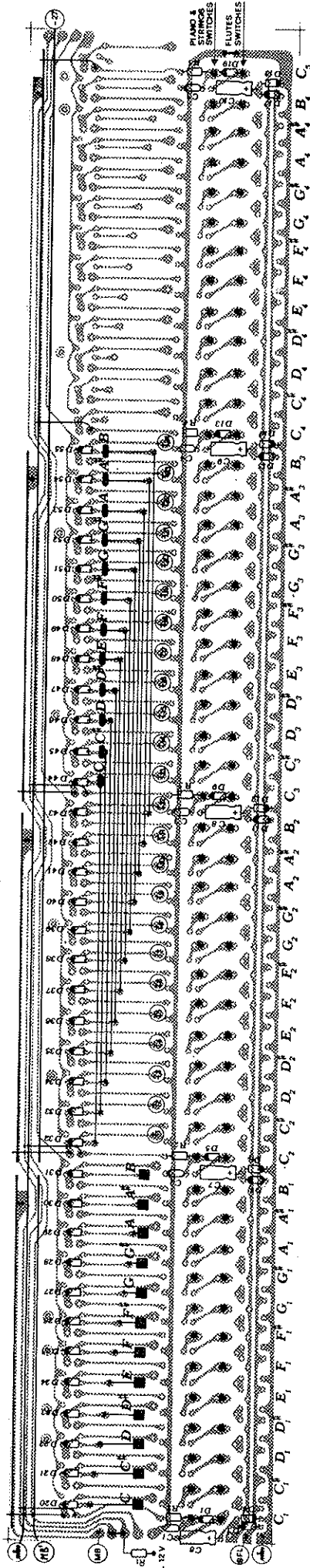
410CST0798



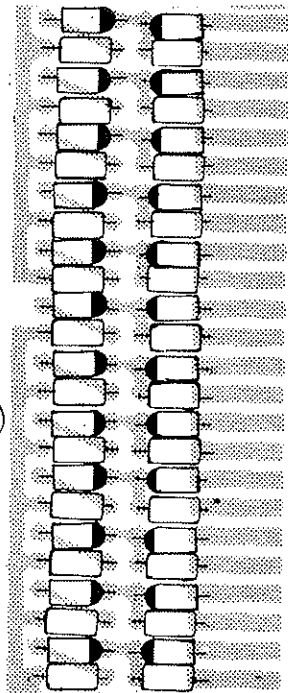
410CST0748

(457GR07481)

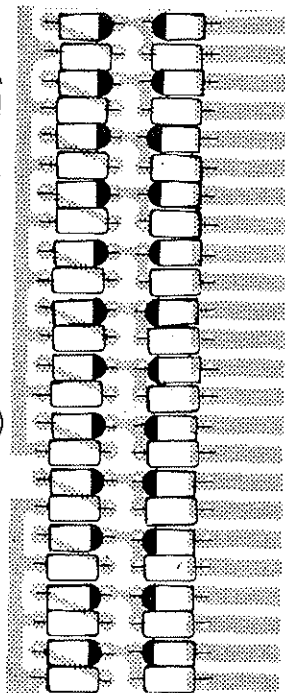
410CST0818



M000490 (11) (427GR0490C)



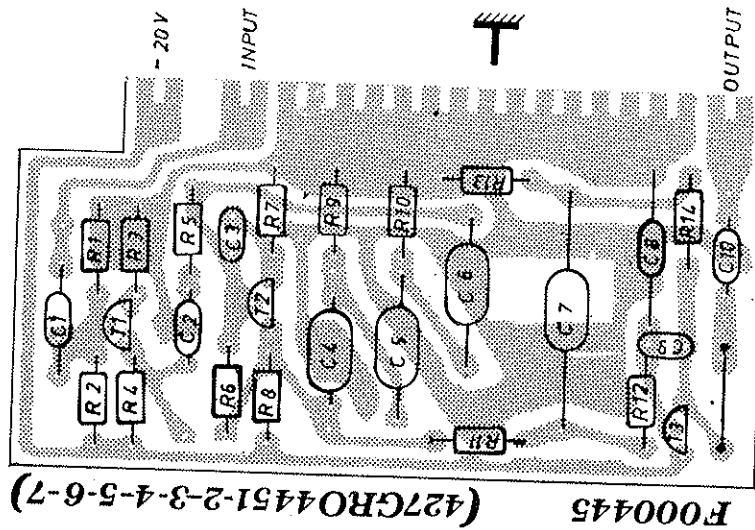
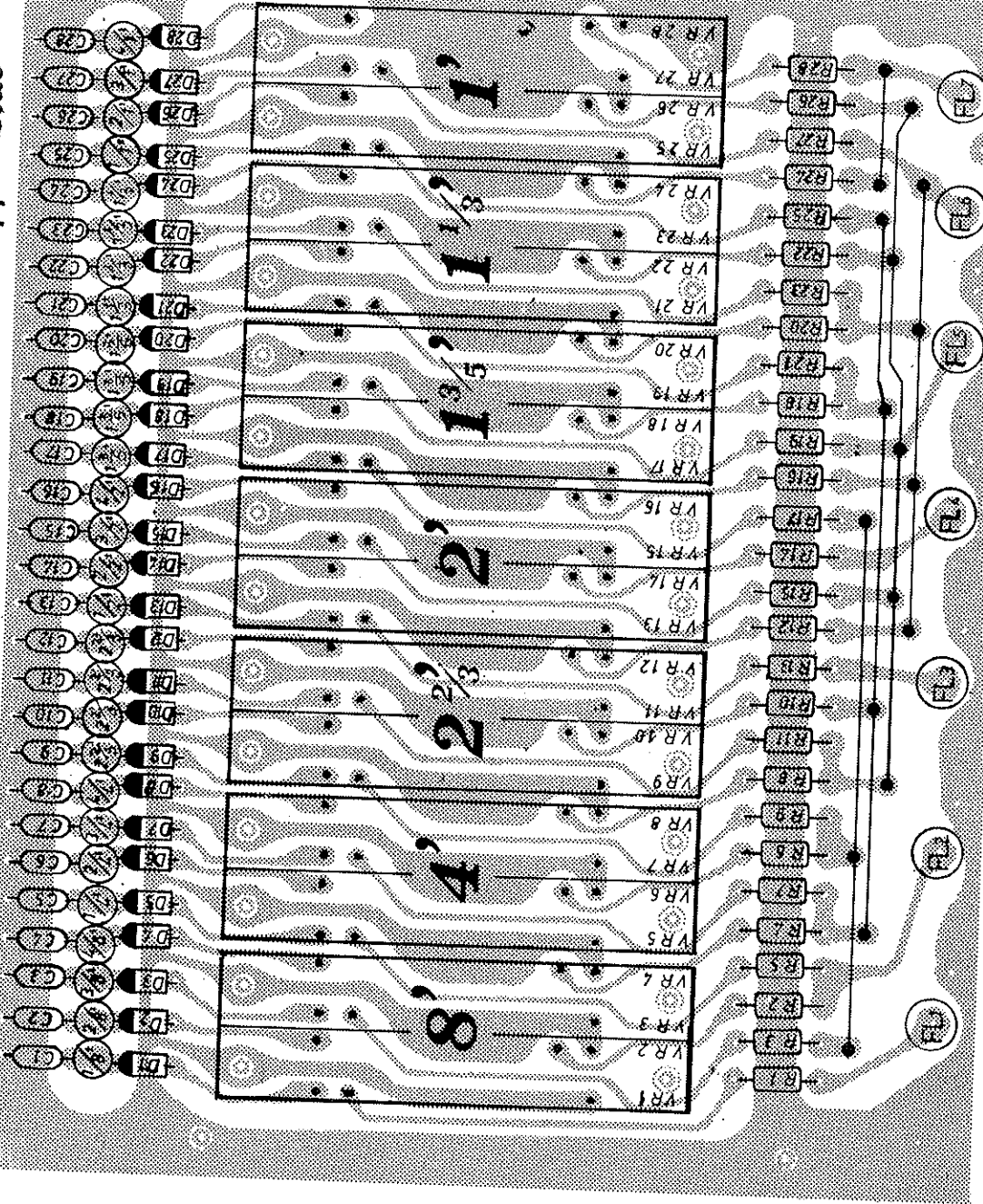
M000491 (6) (427GR0491D)



	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 8-62
			Date 10-10-77

410CST0750 (457GRO7500)

Copper Side



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE COMPONENTS. THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS

Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No10-62 Date 1-9-77
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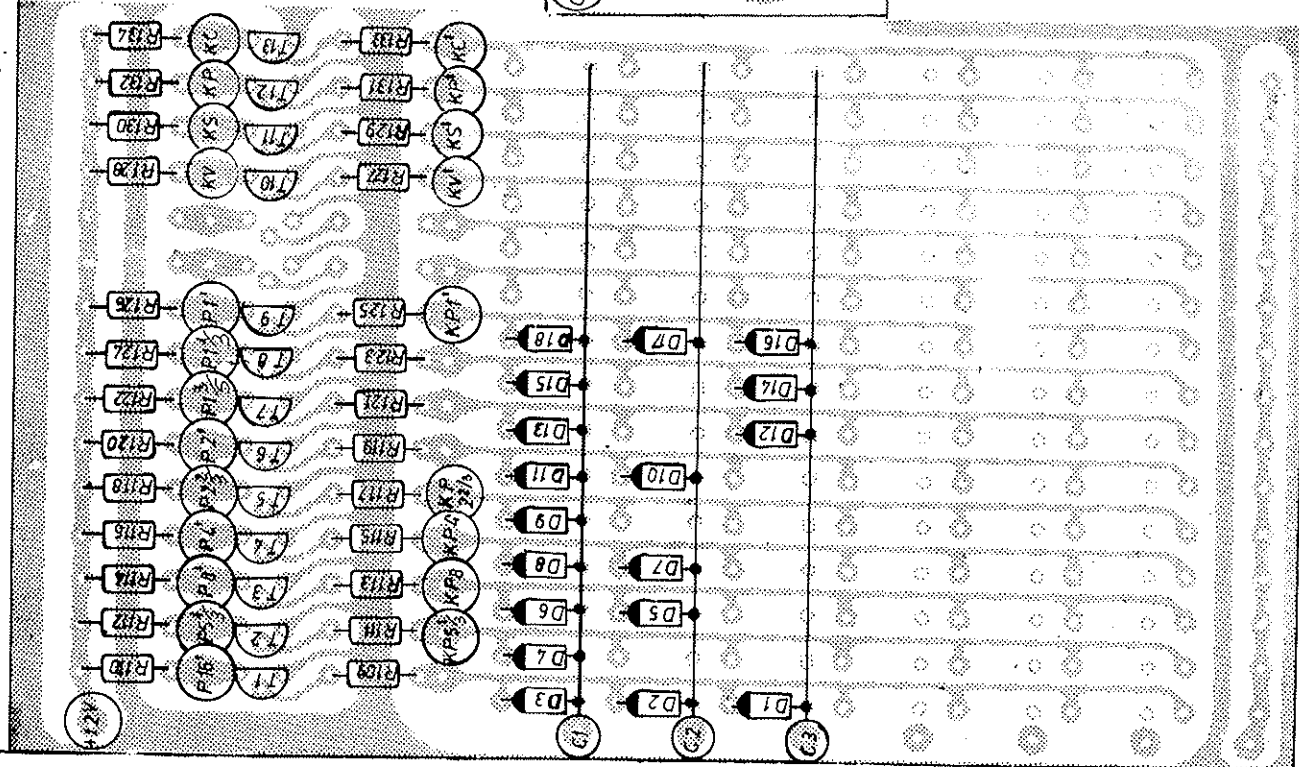


To Flute Filters
of Lower Manual
Sheet No 13 - 62



	Upper	Lower	Percussion	Filters			
	FU1	FU2	FU3	FU4	FU5	FU6	FU7
	FL1	FL2	FL3	FL4	FL5	FL6	FL7
	FP1	FP2	FP3	FP4	FP5	FP6	FP7
C1	330nF	220nF	100nF	47nF	27nF	12nF	6.8nF
C2	82nF	47nF	22nF	10nF	56nF	27nF	12nF
C4	472nF	236nF	118nF	59nF	295nF	1475pF	737pF
C5	472nF	236nF	118nF	59nF	295nF	1475pF	737pF
C6	472nF	236nF	118nF	59nF	295nF	1475pF	737pF
C7	176nF	88nF	44nF	22nF	11nF	5.5nF	2750pF
C8	16nF	8nF	4nF	2nF	1nF	500pF	250pF
C10	100nF	100nF	100nF	47nF	22nF	10nF	4.7nF

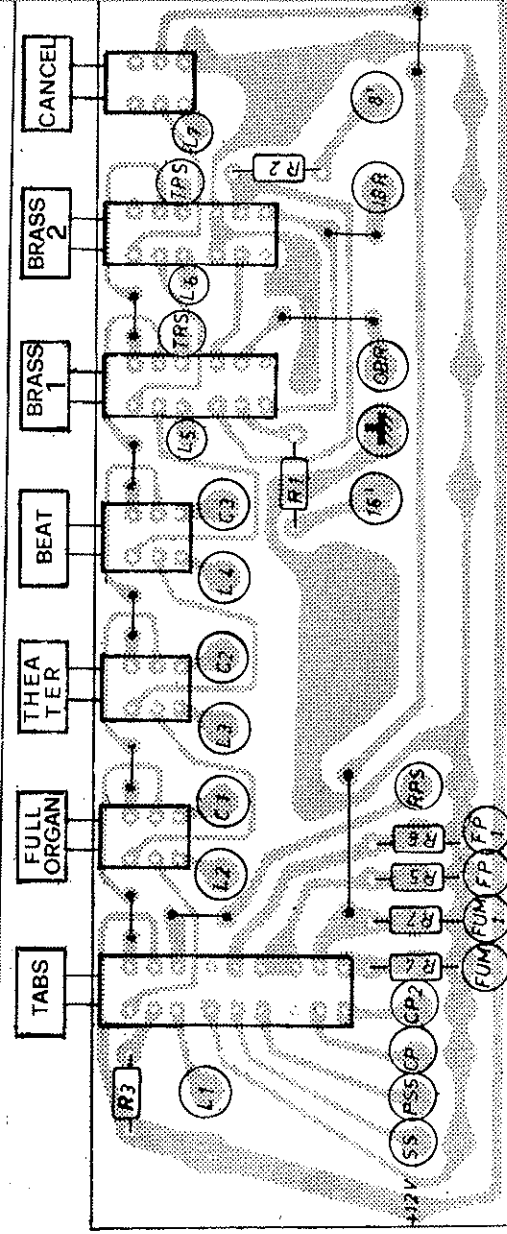
1) All resistors marked by a point • must be metal film ones 2% tolerance
2) All resistors marked by asterisk * must be carbon film ones 5% tolerance
3) All capacitors marked by a point • are polycarbonate 2 % tolerance



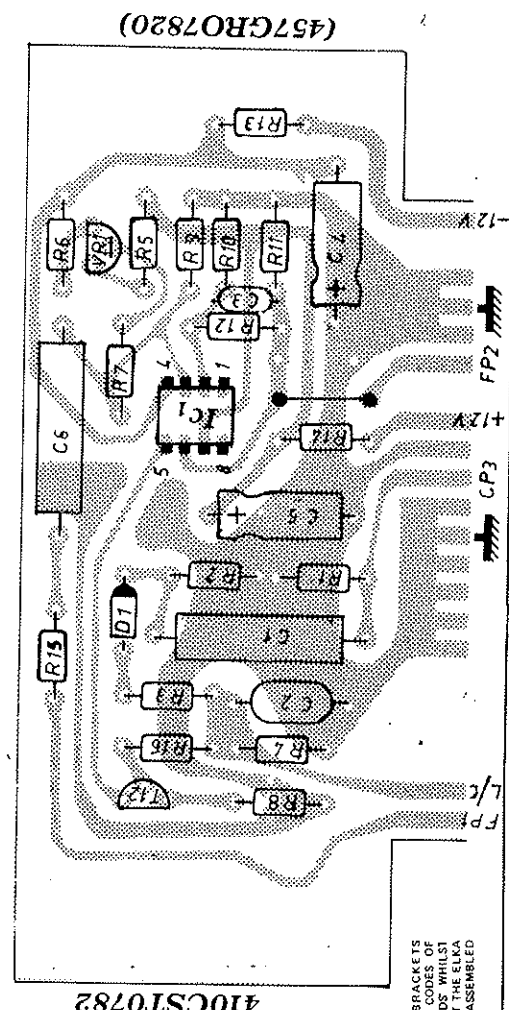
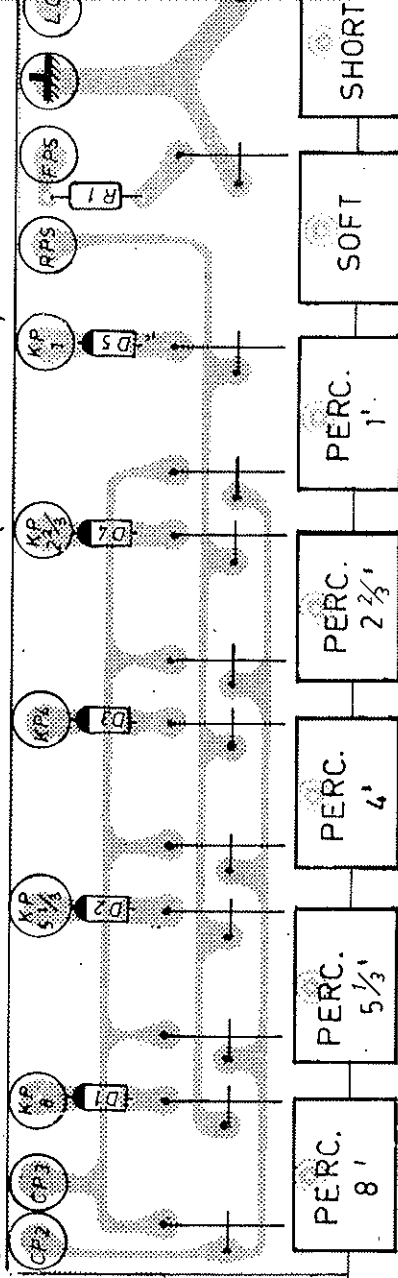
COPPER SIDE

Model ARTIST 707	Object:	Sheet No 12-62
	Assembly of	Date 14-9-77
	Printed Circuit	

THE NUMBERS IN BRACKETS
REPRESENT THE ELKA CODES OF
THE NON-ASSEMBLED
BOARDS



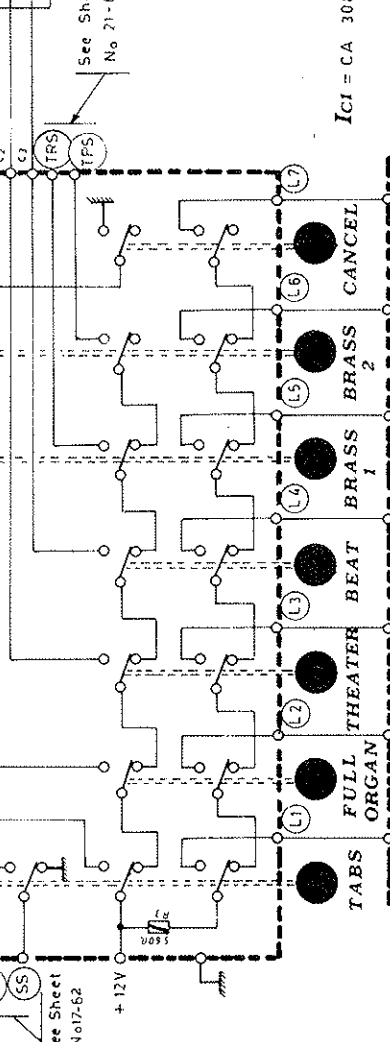
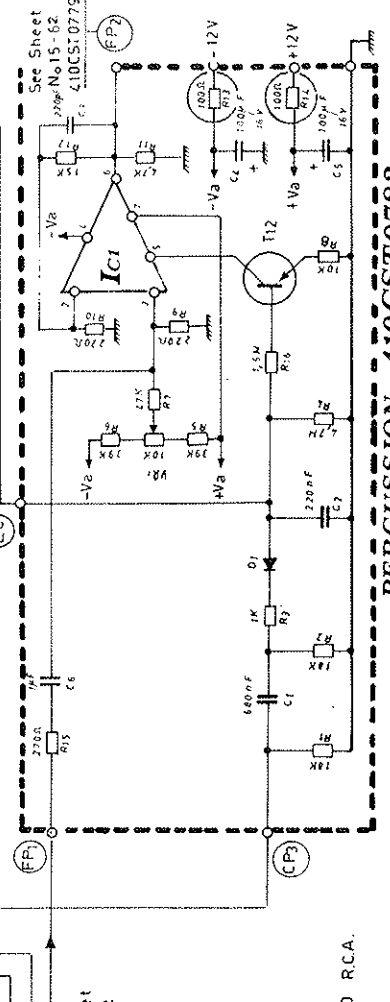
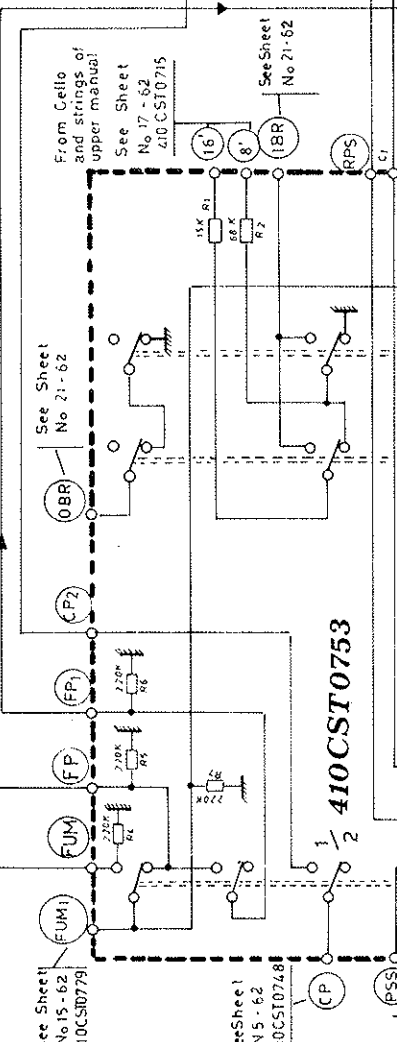
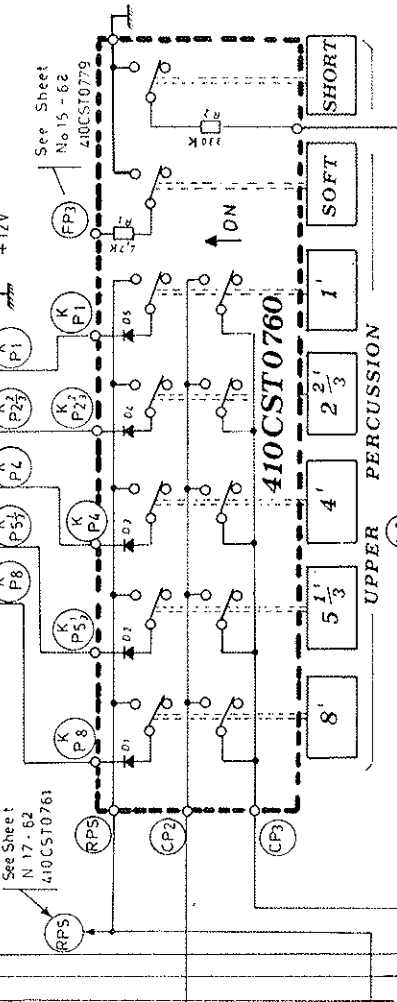
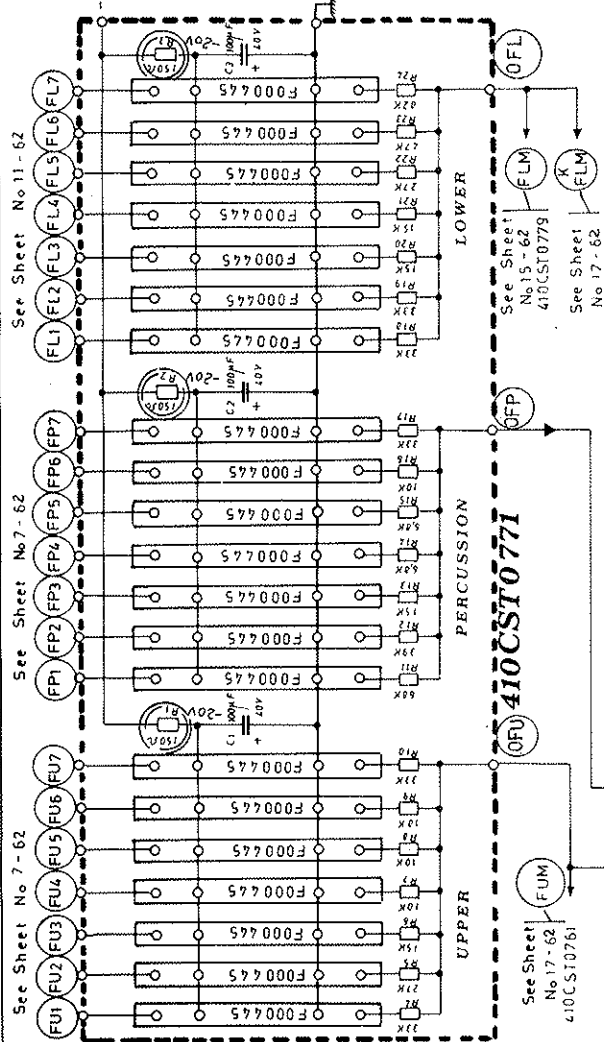
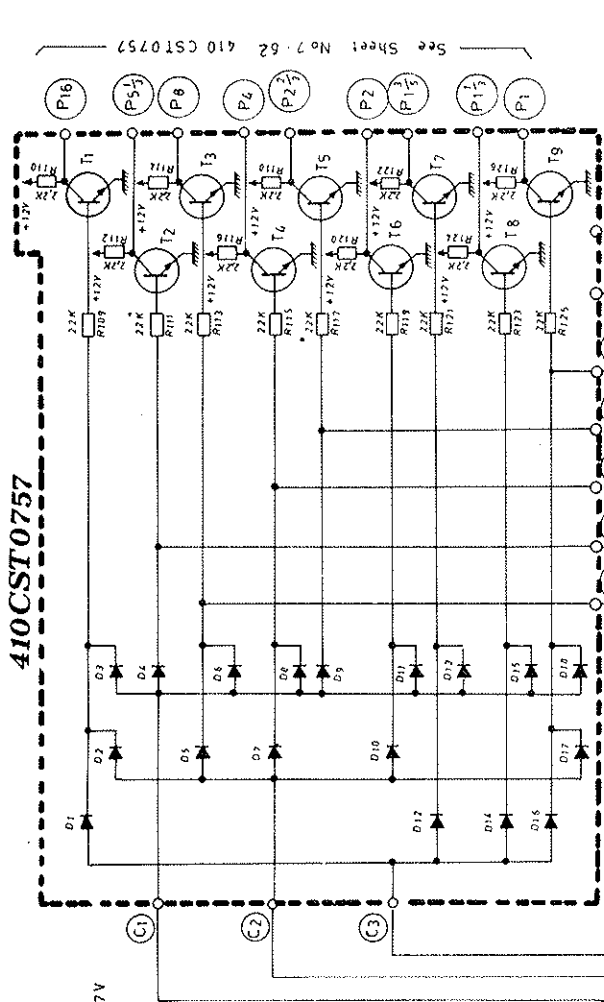
1/2 410CST0753 (427GRO7530)
410CST0760 (457GRO7580)



(457GRO7820)

FP1
FP2
FP3
L/C
+12V
-12V

410CST0757



IC1 = CA 3080 RCA.

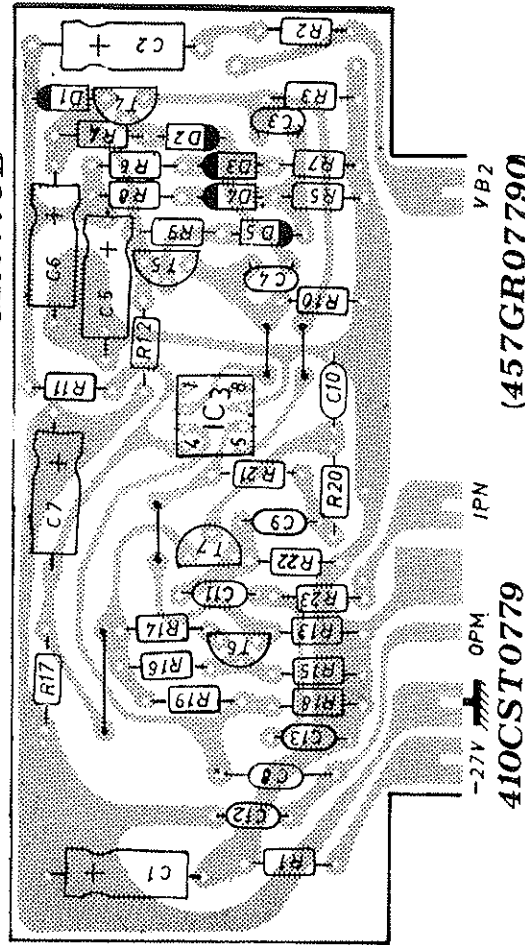
Object		Model		Sheet No. 13-62	
Percussion and Presets		ARTIST 707		Date 21-3-77	
Code	Type	Transistors			
T1 - T9	NPN	BC171			
T12	PNP	BC415			

410CST0773

(457GR0773B

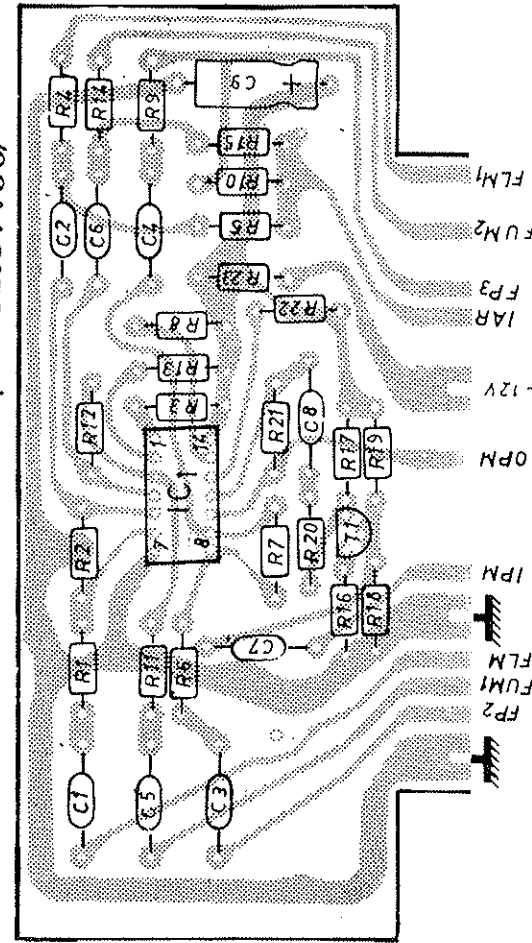
410CST0781

(457GR07810)



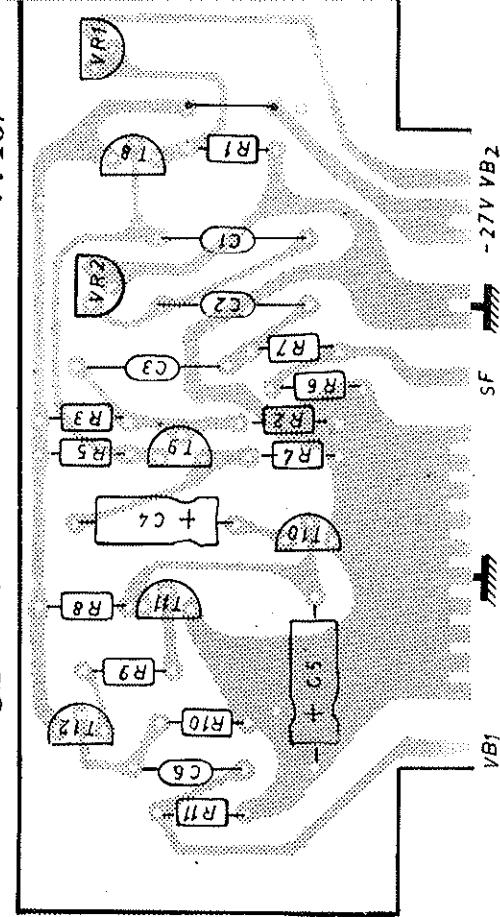
410CST0779

(457GR07790



410CST0774

(457GR07740)



SLOW
FAST

UPPER
PERC.

LOWER

UPPER

LOWER

DELAY

SLOW
FAST

410CST0756

(457PR07561)

COPPER SIDE

THE NUMBERS IN BRACKETS
REPRESENT THE ELKA CODES OF
THE ASSEMBLED BOARDS WHILST
THE OTHERS REPRESENT THE ELKA
CODES OF THE NON-ASSEMBLED
BOARDS.

	Model	Object:
	ARTIST	Assembly of
	707	Printed Circuit
		Sheet No 14-62
		Date 20-9-77

