

POLY-800 MIDI DUMP KIT RETROFIT PROCEDURE

EXPLANATION OF FUNCTIONS

This retrofit consists of replacing the EP-ROM 2764 with a 27128 in order to provide the POLY-800 with a MIDI dump function.

Except for the dump function, exactly the same system program is stored in this EP-ROM.

The memory map is as shown below.

Address	Before retrofit	After retrofit
000 H	EP ROM 8K BYTE	EP-ROM 12K BYTE (Uses 12 KB from among 16 KB)
800		
1000		
1800	RAM 2K BYTE 2000 ~ 27FF IMAGE	RAM 2K BYTE 300 ~ 37FF IMAGE
2000		
2800		
3000	2000 ~ 27FF IMAGE 2000 ~ 27FF IMAGE	300 ~ 37FF IMAGE
3800		
4000		

RETROFIT PROCEDURE

In order to change the EP-ROM and RAM chip select signals, KLM-680 has been added. Pattern cuts in three locations are necessary in KLM-596 in the POLY-800 main unit as well as soldering of the mutual connections (8) between KLM-596 and KLM-680.

Please refer to the chart shown below as well as to the separate Actual Wiring Diagram.

Please also use the POLY-800's Service Manual together with these instructions.

1. Soldering the harness

CONNECTOR No. (KLM-680)	COLOR	CONNECTION POINTS (KLM-596)		FUNCTION
1	BROWN	C85	+5V SIDE	+VCC
2	RED	C96	GND SIDE	GND
3	ORANGE	IC29	PIN 14	Y1
4	YELLOW	IC29	PIN 15	Y0
5	GREEN	BR1	PIN 5	A13
6	BLUE	IC24	PIN 25	A12
7	VIOLET	IC22	PIN 20	ROM CS
8	GRAY	DTC2	E	RAM CS

2. KLM-596 pattern cut in three locations

- (1) Cut the pattern between pins 26 and 27 of the ROM (IC socket).
- (2) Cut the pattern of IC29's pin 15.
- (3) Cut the pattern of IC29's pin 14.

3. Soldering the jumper lines

IC22 PIN 26 — IC24 PIN26

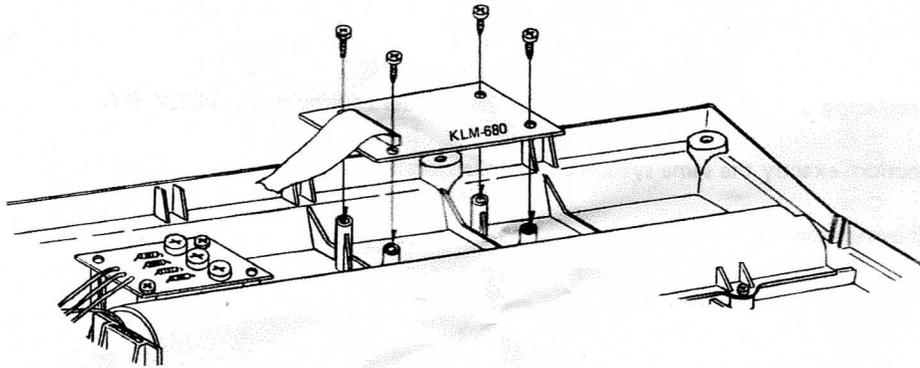
4. Replacement of the ROM

Since 2764 is attached to KLM-596 IC22 (ROM), replace it with 27128.

5. Installation of KLM-680

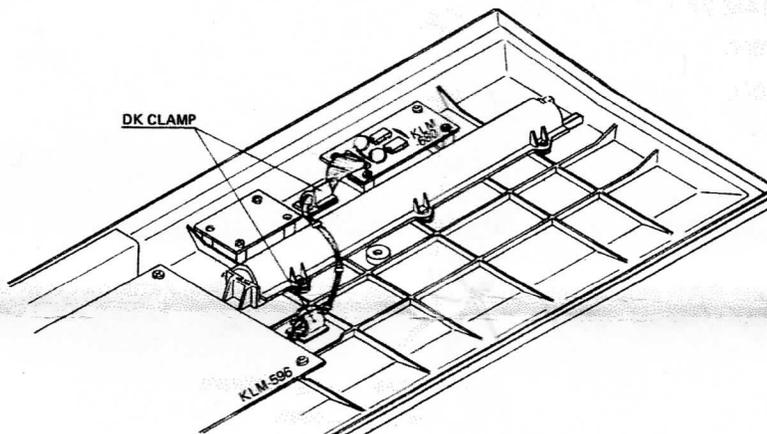
Attach the KLM-680 circuit board to the lower case using 4 screws PLAX B ZMC 3 X 8.

Note: When installing this circuit board, make sure that the side where the harness protrudes is located nearest to KLM-596.



6. Securing the harness

Secure the harness with the supplied cable clamp.



7. What to check after the retrofit

Turn on the power switch and make sure that the LED display shows 11P.

The time that elapses from turning the power switch on until the appearance of the display should be within 1 second.

KLM-596 JUMPER & WIRING INSTRUCTION CHART

KLM-596-G

MIDI OUT

MIDI IN

FROM KLM-680
(MIDI DUMP BOARD)

+5V BROWN
Y0 YELLOW
Y1 ORANGE

RAM CS GRAY

A13 GREEN
ROM CS VIOLET

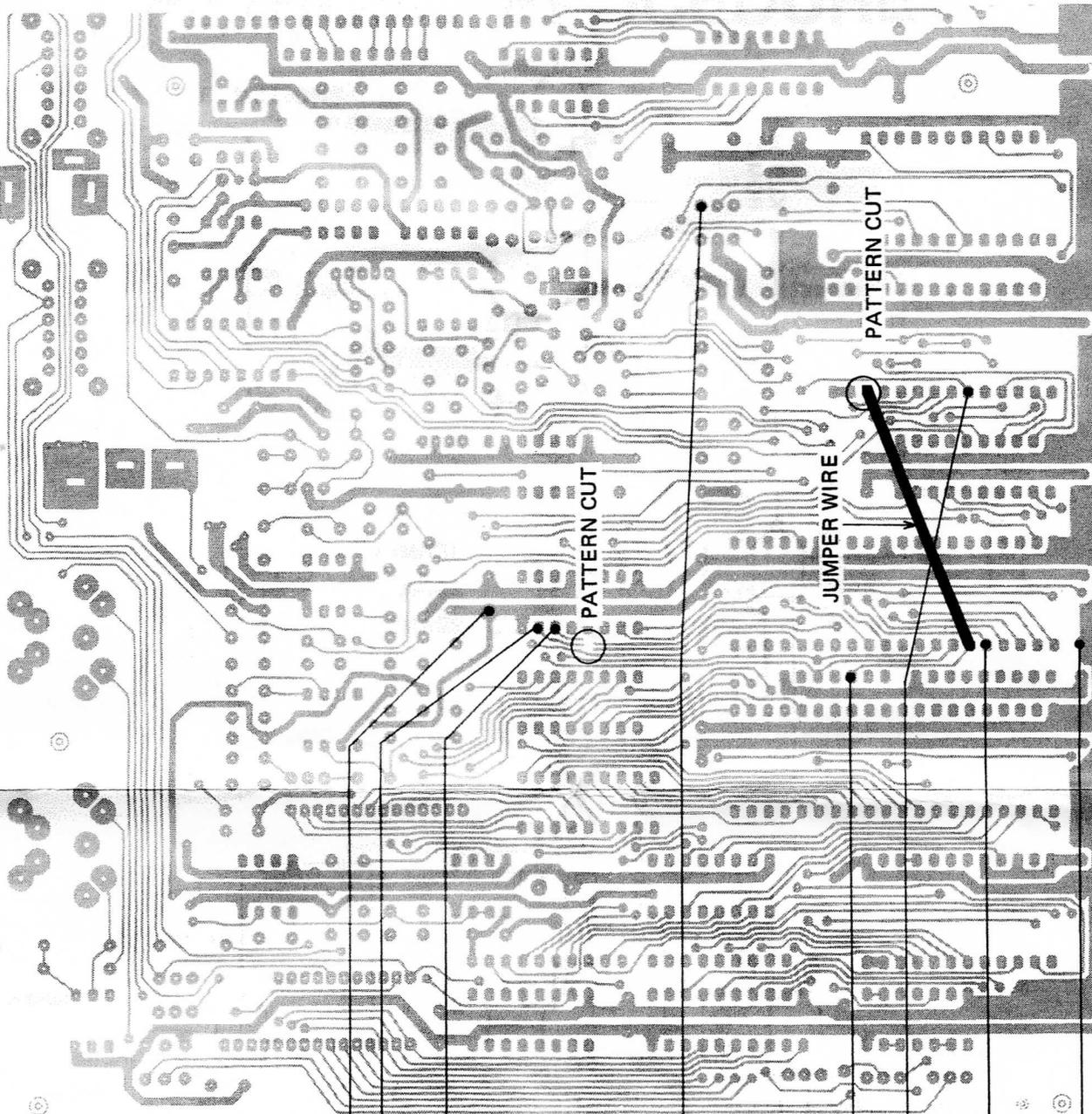
A12 BLUE

GND RED

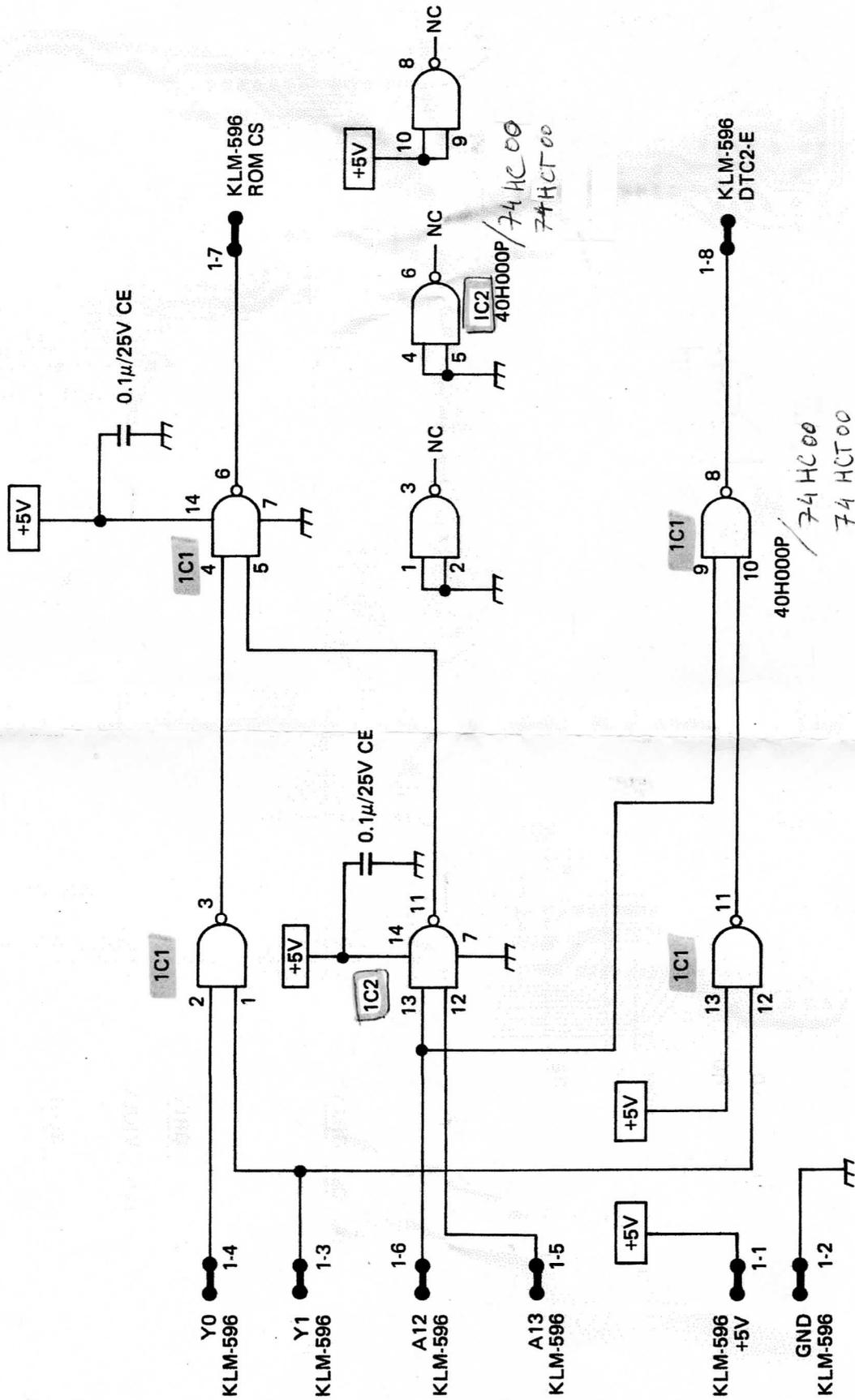
PATTERN CUT

PATTERN CUT

JUMPER WIRE



CIRCUIT DIAGRAM
KLM-680 (MIDI DUMP BOARD)



KORG®

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