Wicher 500i

rev.2c

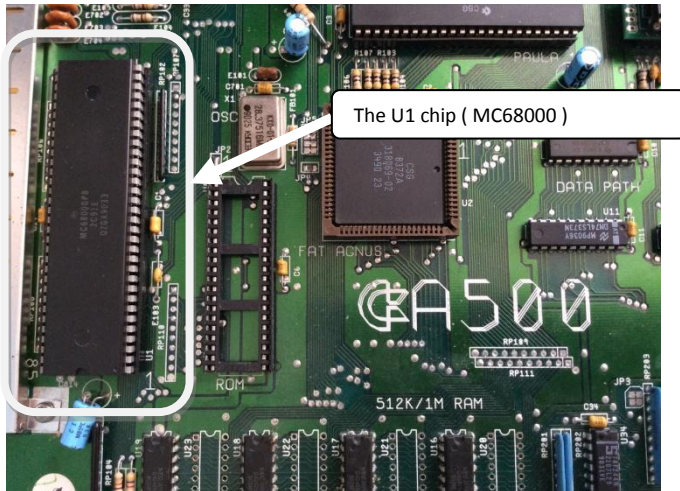## Installation Guide

Package contents

Complete Wicher 500i rev.2c package contains:
- **Wicher 500i rev.2c** card in a protective case(CPU is not included),
- Two connection cables
- Installation Guide

Computer preparation

<u>**Every action regarding your Amiga's case disassembly should be performed with the computer being powered down.**</u>
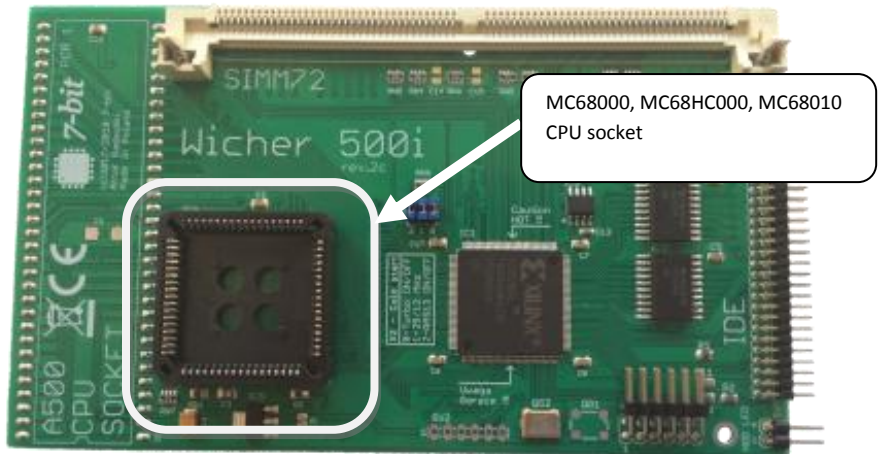
Before installing Wicher 500i rev.2c card one should remove Amiga's case and dismantle the RF shielding. Next you should locate the U1 chip (MC68000 CPU) and remove it from its socket. This operation should be performed using a proper tooling.

The U1 chip (MC68000)

Installing CPU in your Wicher 500i rev.2c card

Wicher 500i rev.2c card supports the following processor models:
MC68000, MC68HC000, MC68010 CPUs in PLCC68 packaging.

The CPU should be installed in the socket located on the card in the position indicated in the following picture.

MC68000, MC68HC000, MC68010 CPU socket

CAUTION!!!
Installation of the CPU should be performed in accordance with the markings visible on the socket and the chip itself.
Incorrect installation may result in the damage to the CPU, the card or the computer.
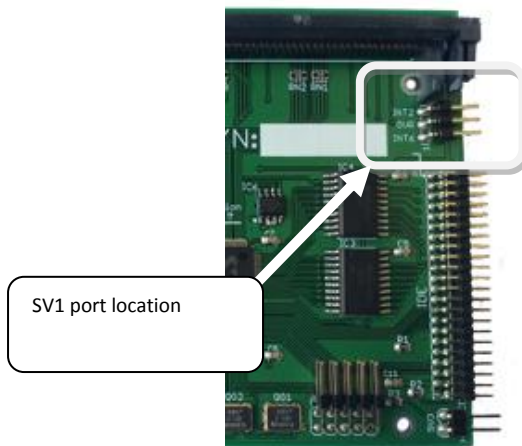
Turbo card installation

Installation of the card should always be performed with the Amiga being powered down.
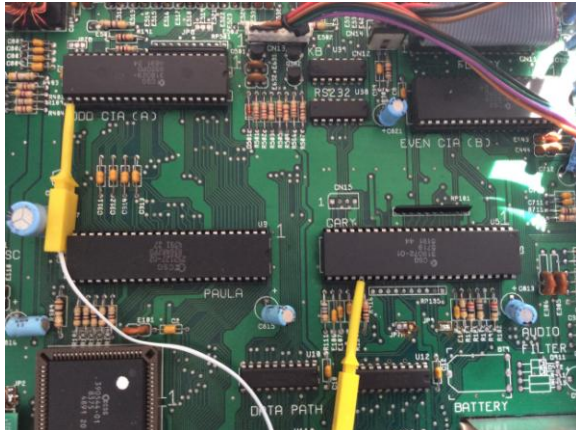
Wicher 500i rev.2c turbo card has been designed for installation inside the Amiga A500/A500+ computer.

After removing the original MC68000 CPU, one can start the proper Wicher 500i rev.2c turbo card installation. In order to carry it out, the pins found at the bottom side of the turbo card, should be carefully inserted into the U1 chip socket and then the card should be pressed gently until it seats firmly.
Then one should connect the two provided cables to the card's SV1 port, following the instructions presented below.

SV1 port location

INT2 signal of the SV1 port should be connected to the 21st pin of the U7 (ODD CIA A) chip, whereas OVR signal of the SV1 port should be connected to the 29th pin of the U5 (Gary) chip. Both of the aforementioned U5 and U7 chips should be easy to locate on Amiga's motherboard.

Properly connected signal cables.

CAUTION!!!
Please take special care when installing the PCB board and connecting the signal cables. Incorrect installation may result in the damage to the computer or the turbo card.

When Wicher 500i rev.2c card is properly installed, you can finally put it through its paces.

X2 jumper configuration

Position 0 – ON / OFF turbo card
Position 1 – 25 MHz / 12 MHz
Position 2 – RAS13 ON / OFF

CAUTION.
RAS13 enabled for two-sided memory
RAS13 disabled for single-sided memories

Software installation

Please visit our website https://retro.7-bit.pland download software installer providing the necessary software components.

More information about Wicher 500i rev.2c turbo card can be found on our website, at the following URL: http://retro.7-bit.pl

7-BIT Artur Gadawski
ul. Miłostowska 23/7
Wrocław, Poland
BDO: 000007249
http://retro.7-bit.pl