

Repair monitors: Philips VS 0080

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Warning:

Working on a monitor can be life-threatening. Voltages of up to 25.000 Volts are present. Provide proper tools, think about your own safety and that of others.

There are many different types of color monitors for the MSX computer. In general, the repair is similar. Many brands have made color monitors, such as Philips, Ancona, Commodore, Atari, Grundig, Slipstream, and so on.

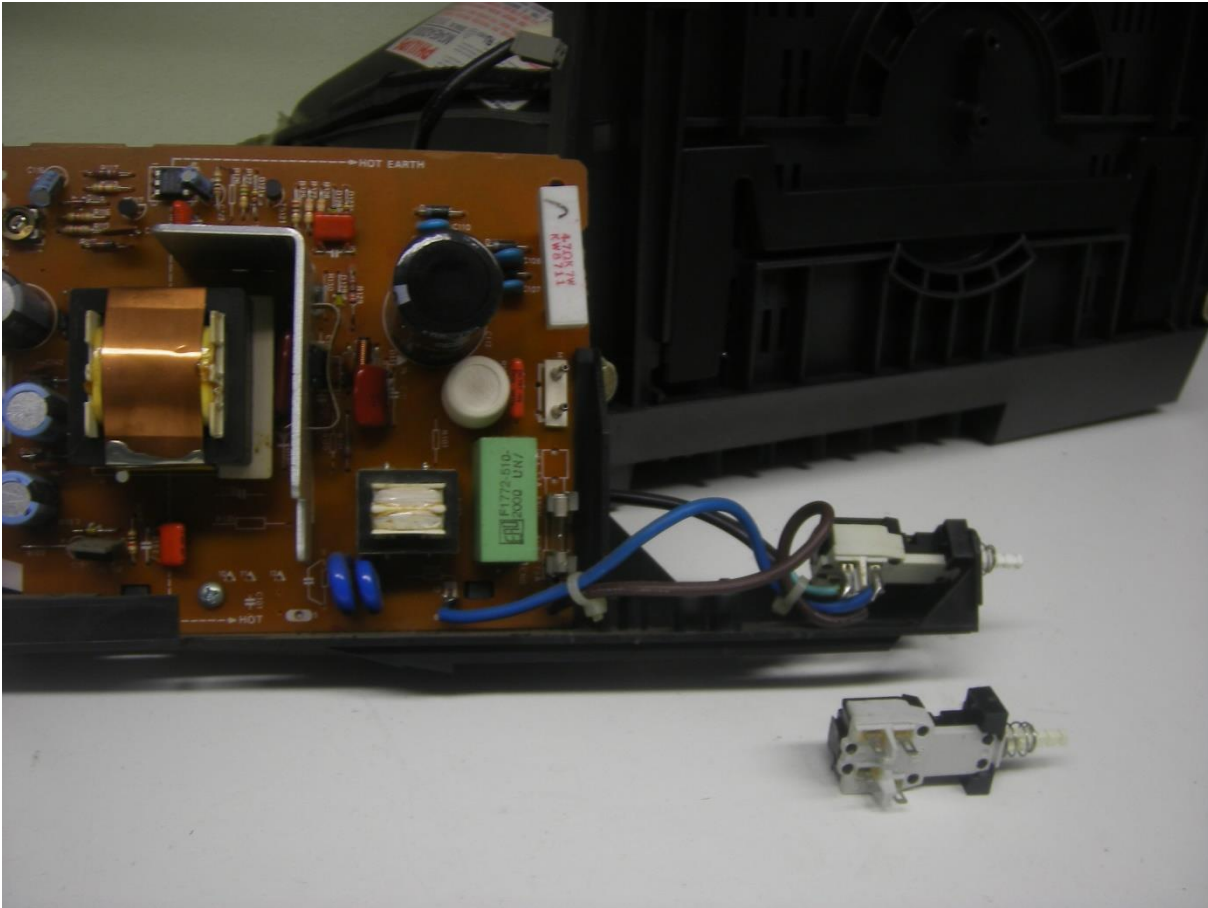


Two different Philips color monitors.

The description below is based on the Philips VS 0080. The description below does not provide enough information for the Philips CM 8833 and the CM 8833-2, among others. Other more detailed descriptions have been made for this.

Faulty on/off switch

- Remove the power supply board.
- Remove the switch.
- Fit the new switch.

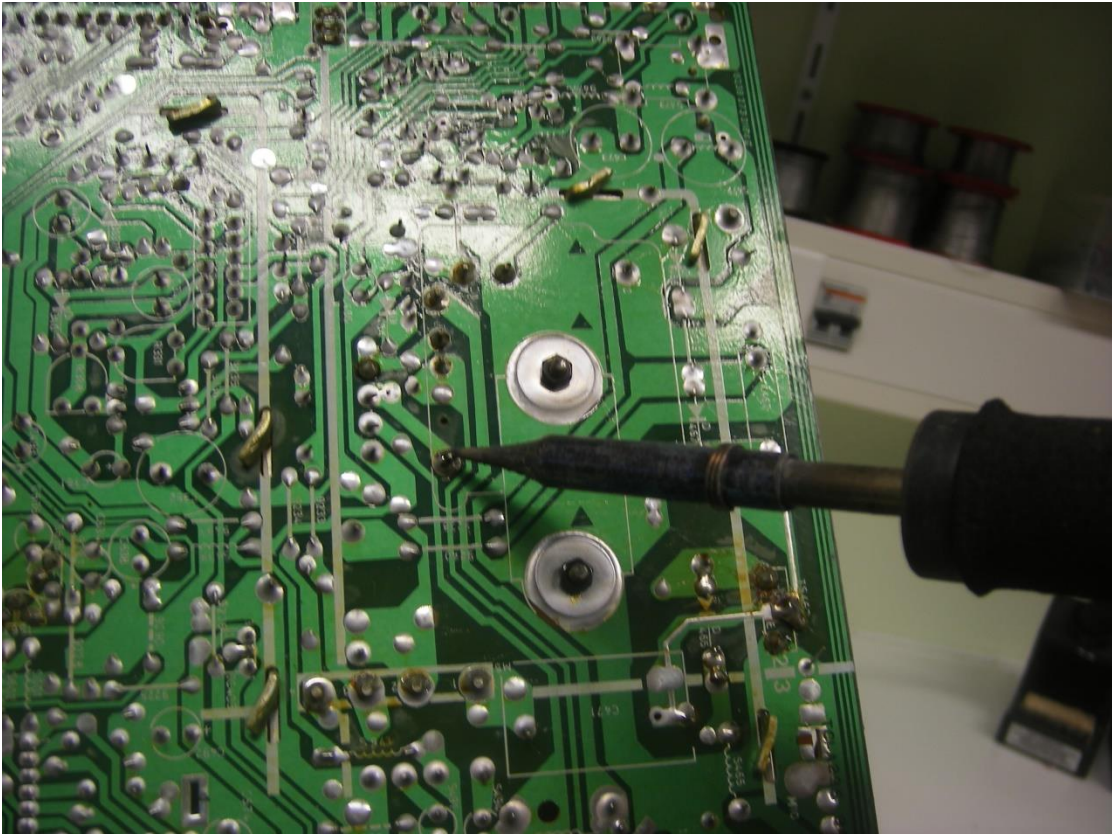


Defective switch connected to the power supply PCB and a loose new switch.

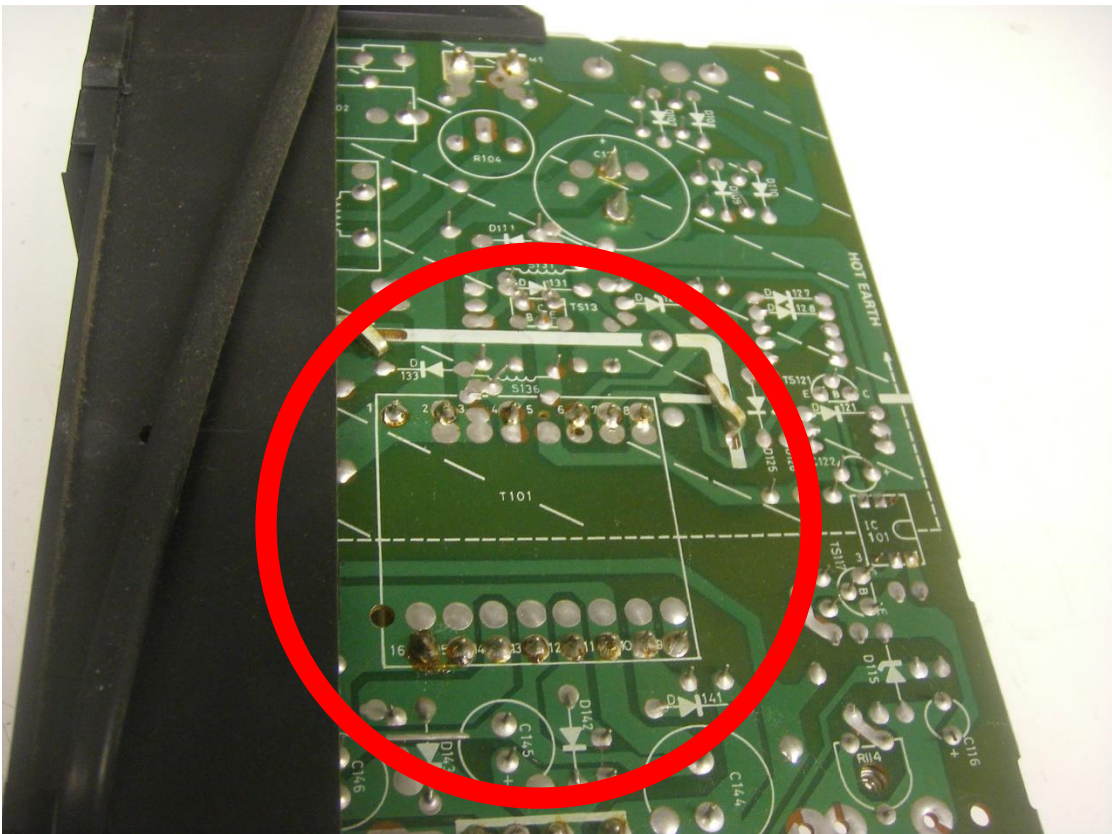
Various problems

Another problem with the monitor is that after prolonged use, a prolonged standstill, a lot of changing cables or being transported a lot, various parts become loose. This will result in the monitor becoming unstable. Print spot fractures are often invisible to the naked eye, so it is wise to re-solder several parts. In order to be able to reach everything, the main board has to be removed. The solution to this is to re-solder several parts:

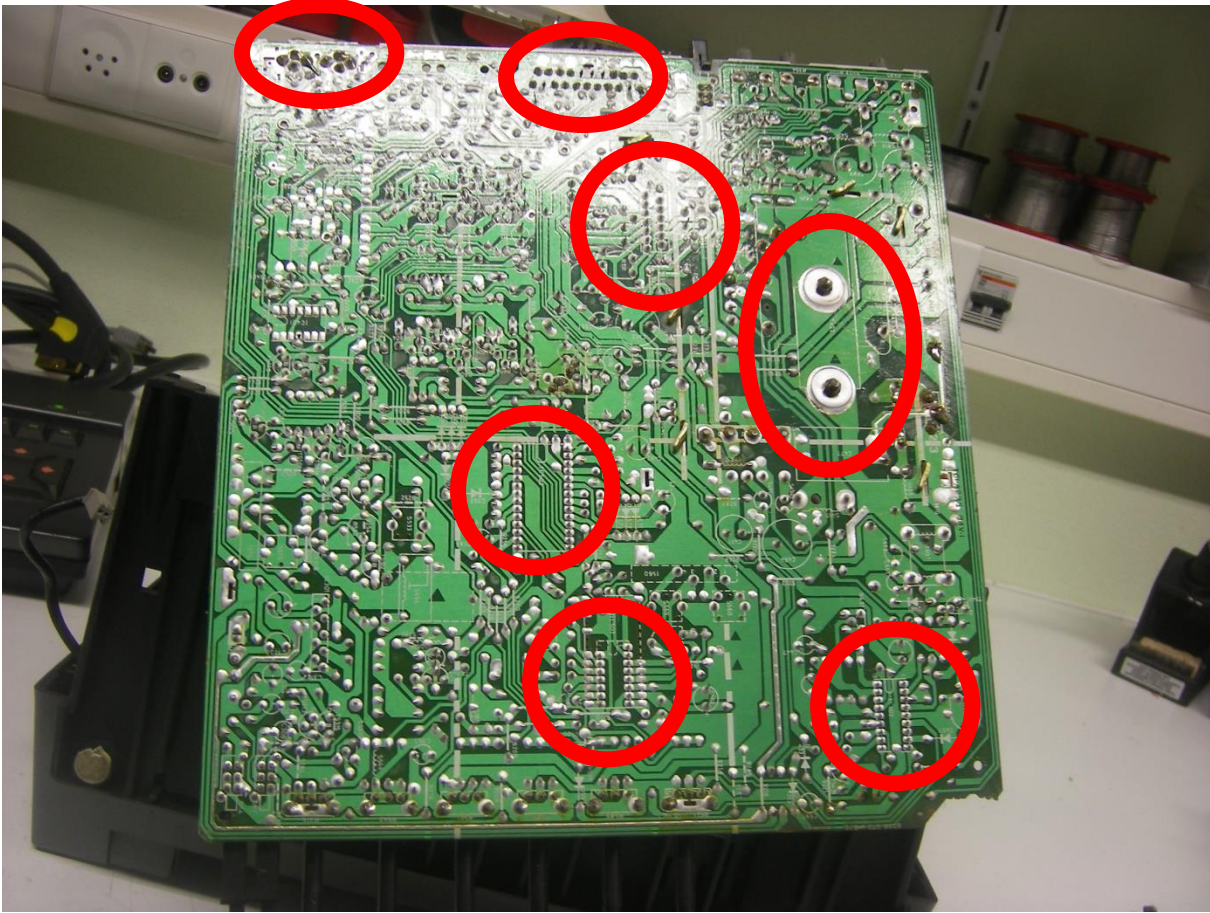
- T101 (transformer on power supply board)
- T402 (high voltage transformer)
- Scart-connector
- Audio/Video-connectors
- IC302
- IC502
- IC501
- IC402



Soldering using proper tools.



The power supply PCB.



The marked parts are the most susceptible to print spot fractures.

Use contact spray to properly spray all potentiometers (regulators) on the front and rear, so that oxidation disappears. Wipe off any excess contact spray with a cloth.



Inject contact spray into all potentiometers.