

Repairing the disk drive of a Philips NMS 8245

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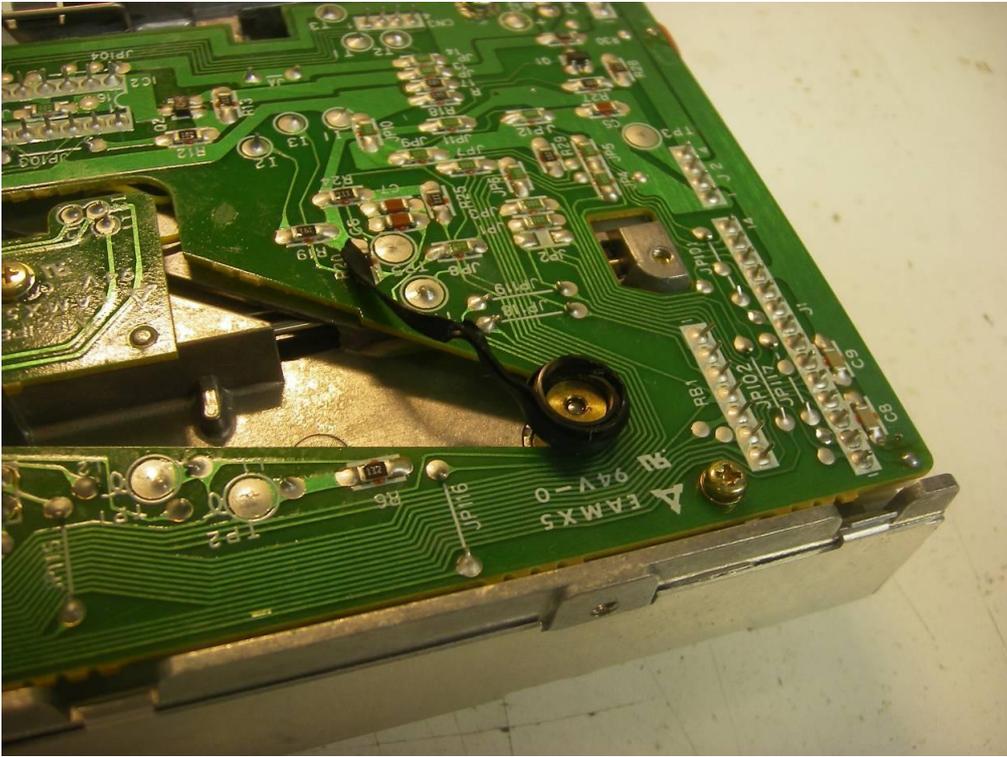
Warning:

The most important part in the computer is the printed circuit board (PCB). Parts can be replaced, but not the PCB. Do not try to unsolder the parts, but cut them loose and then remove the solder pins. The use of IC sockets is recommended.

This document describes how to replace the belt of the original disk drive of a Philips NMS 8245. The most common problem is that it has dried out due to the disk drive not being used for a long time. First, check that the disk drive motor is running, as it only makes sense to replace the belt if the motor is working normally.



Bottom of the disk drive with a dried out belt.



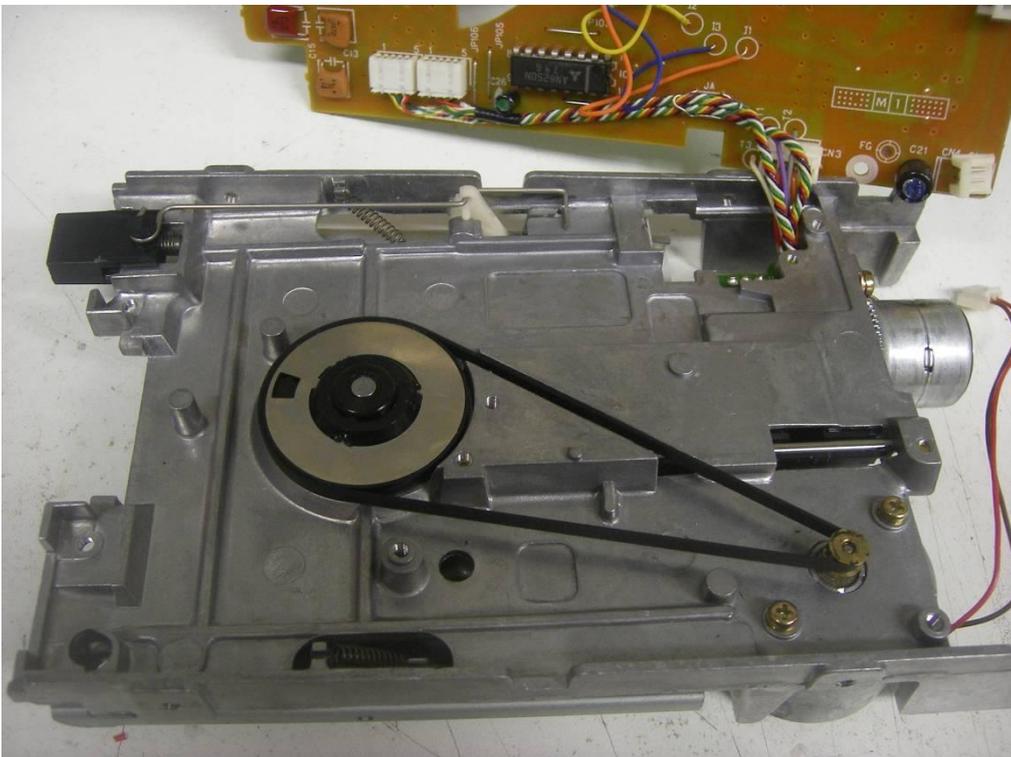
Detail photo of the remains of the old belt.

Requisites:

- Original disk drive suitable for repair.
- New drive belt.

The repair:

- Remove the disk drive from the computer and remove the bottom plate.
- Remove the cover.
- Remove the front panel.
- Unscrew the large PCB.
- Unscrew the small PCB, paying attention to its orientation. There is a slot in it.
- Disconnect the motor connector and set the board aside.
- Remove all remnants of the old belt (degrease if necessary).
- Insert the new belt.
- Reassemble everything (be careful when replacing the small PCB with the slot).



The disk drive with the PCB removed and fitted with a new belt.



The reassembled disk drive with a new belt.