

Repairing a Panasonic FS-A1F/A1FM disk drive

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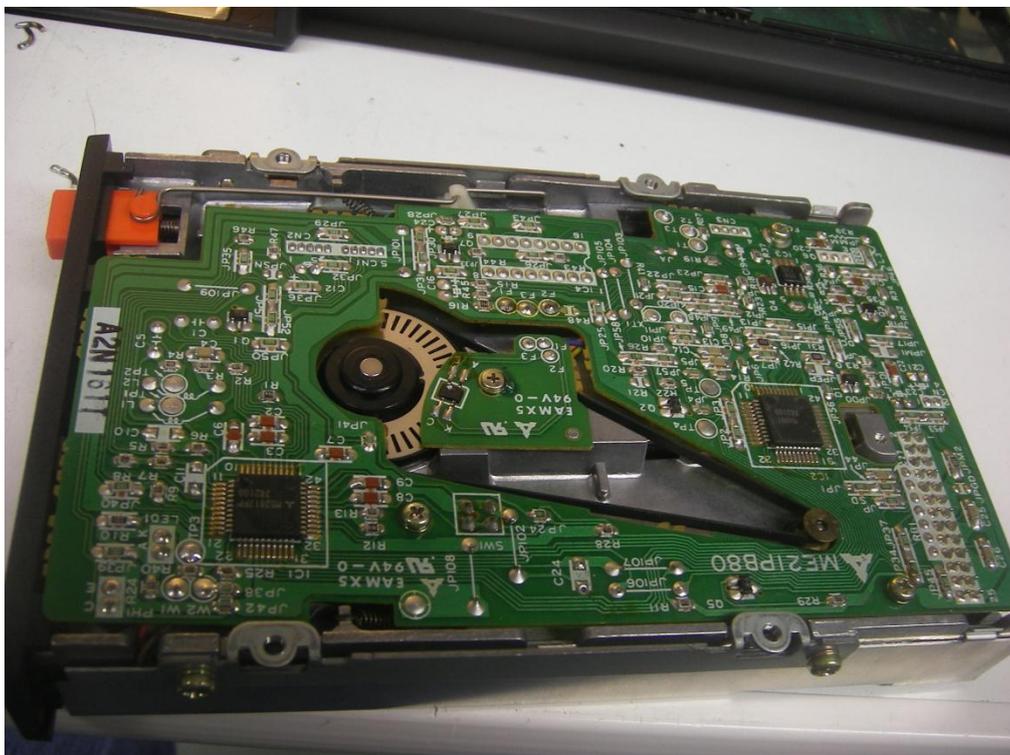
Warning:

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 drive belt in the original disk drive of a Panasonic FS-A1F/A1FM. The disk drive is very similar to that of a Philips NMS 8245, but they are not interchangeable. Like the Philips NMS 8245 disk drive, this disk drive is belt-driven, and the most common problem is that the belt 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.



The Panasonic FS-A1F with built-in disk drive.



Bottom of the disk drive with visible 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).