

# Modification of double side disk drive

Original by: Bas Kornalijnslijper

Translated by: Bart Hamer



## 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 a small modification to an original double-sided disk drive, which will extend its lifespan. By tightening the eject mechanism, it will automatically retract a bit slower when a disk is removed, preventing the disk drive head from getting caught on the disk's shutter. This modification applies to original disk drives used in the following hardware, among others:

- Philips NMS 8250
- Philips NMS 8255
- Philips NMS 8280
- Sony HB-F500
- Sony HB-F500P/D/F
- Sony HB-T600
- Sony HB-F700P/D/F/S
- Sony HB-F900
- Sony HBD-20W
- Sony HBD-30W
- Panasonic FS-FD1



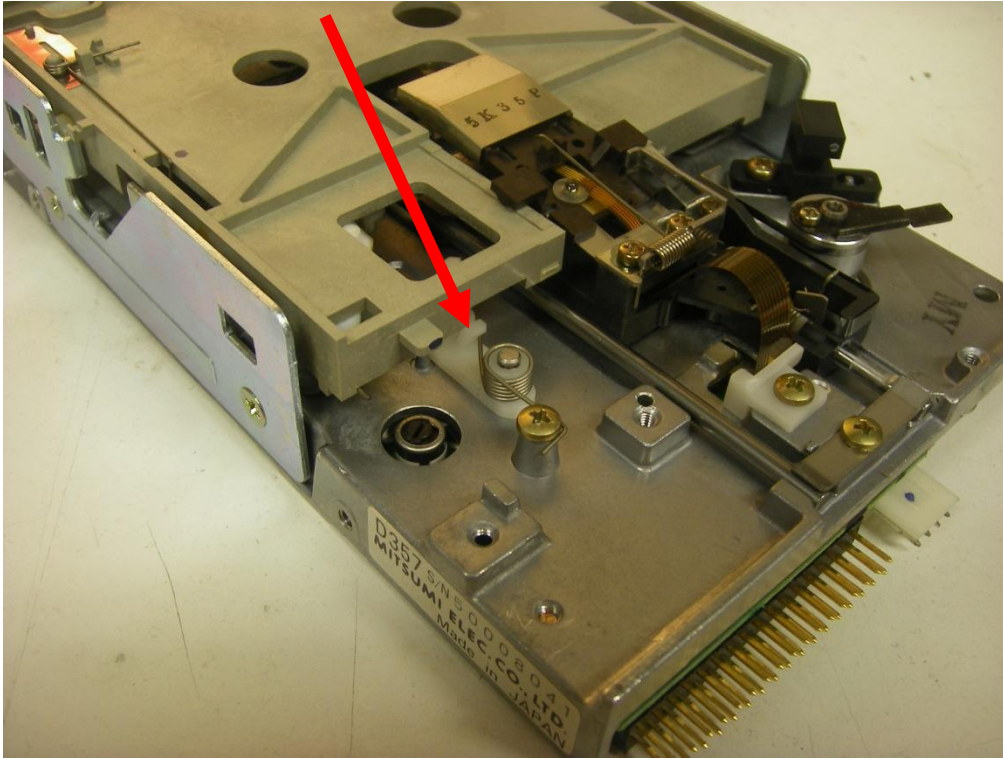
Two examples of original double-sided disk drives.

## Requisites:

- Original disk drive suitable for modification.
- A sharp knife.

## Disassembly:

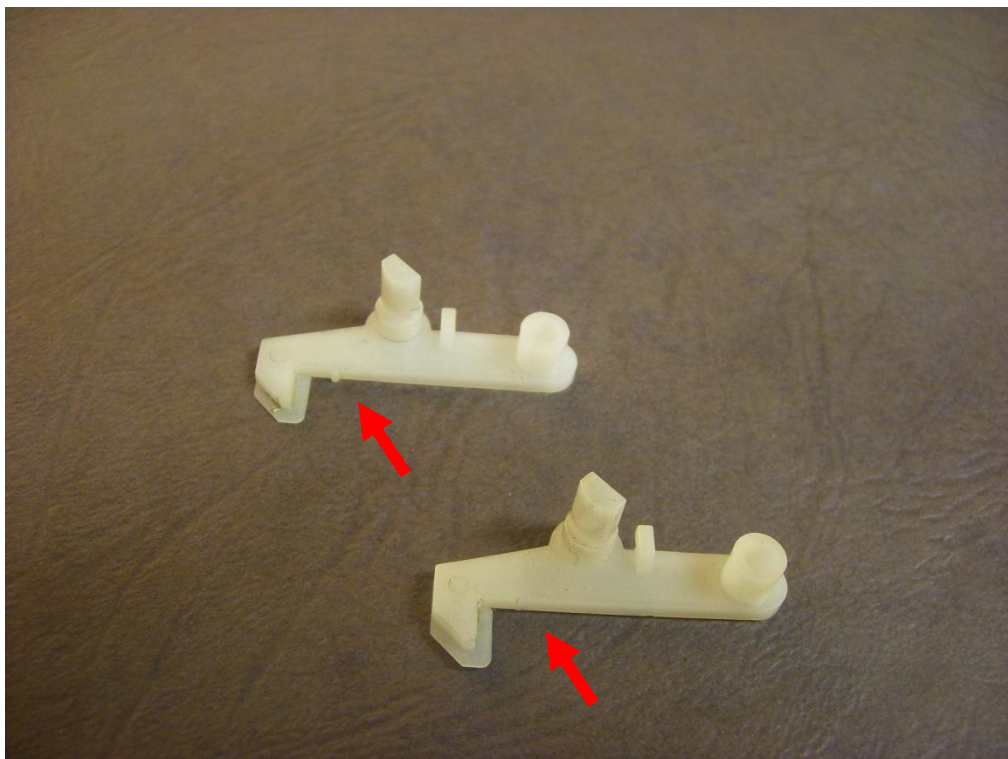
- Remove the part marked in the photo.



The white component to be removed.

## The modification:

- Cut off the small tab marked in the photo below.
- Place the component back in the disk drive.



Above the original component, below the modified component.