

# Floppy Disk Drives / BASF 6128-C / Information

[Homepage](#) | [Abbreviations](#) | [Literature](#) | [Links](#)

## An interesting locking mechanism

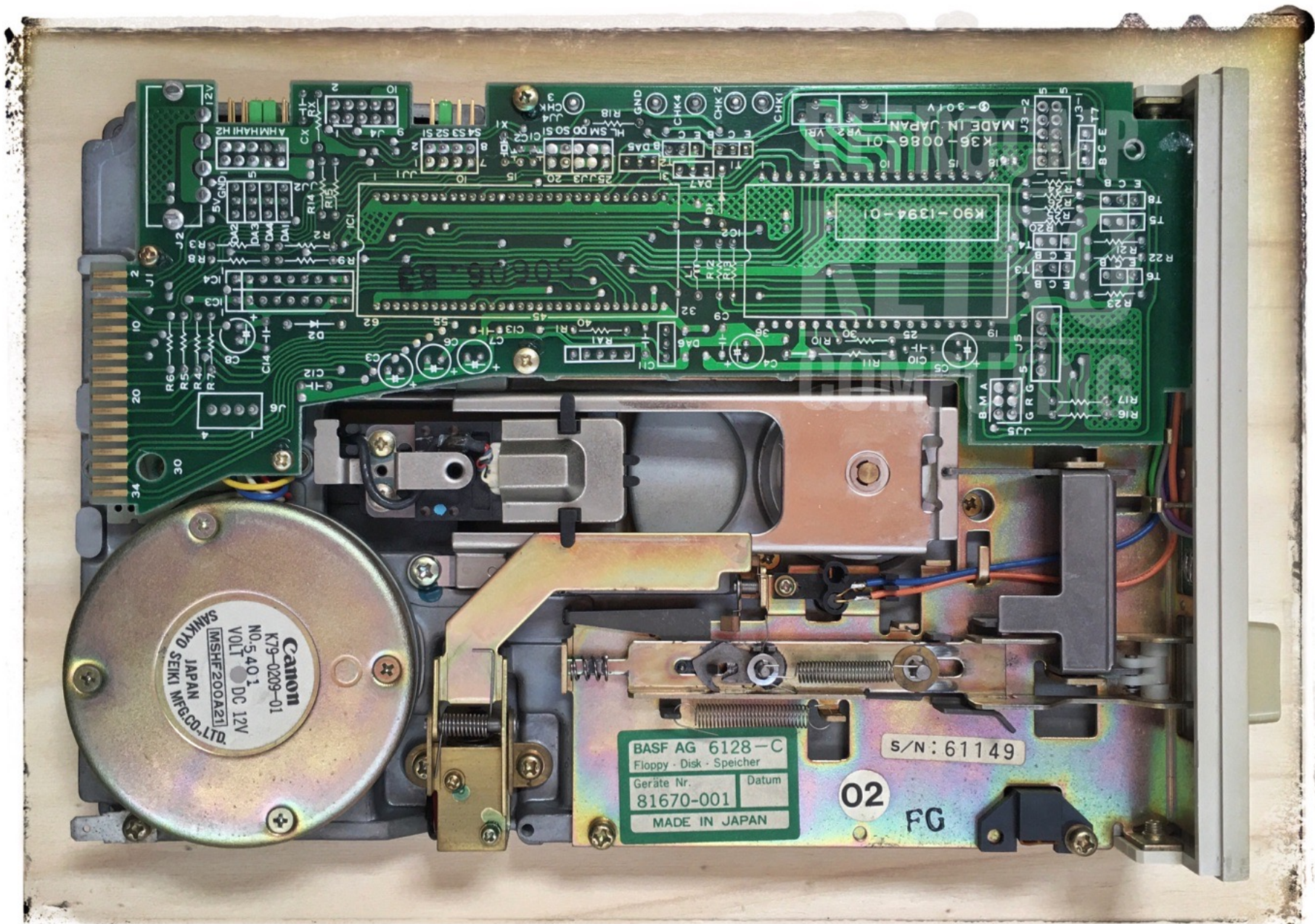
This BASF 6128 has the suffix "C" because this drive was made for Commodore, especially for the PC 10. For this reason this drive also has a beige front panel. The PC 10 came on the market in 1984 and was offered at a price of 4.950 DM without value added tax.

Later PC 10 computers were also equipped with an ALPS floppy disk drive, the DFC 222A. This is mentioned in a service manual from 1985.

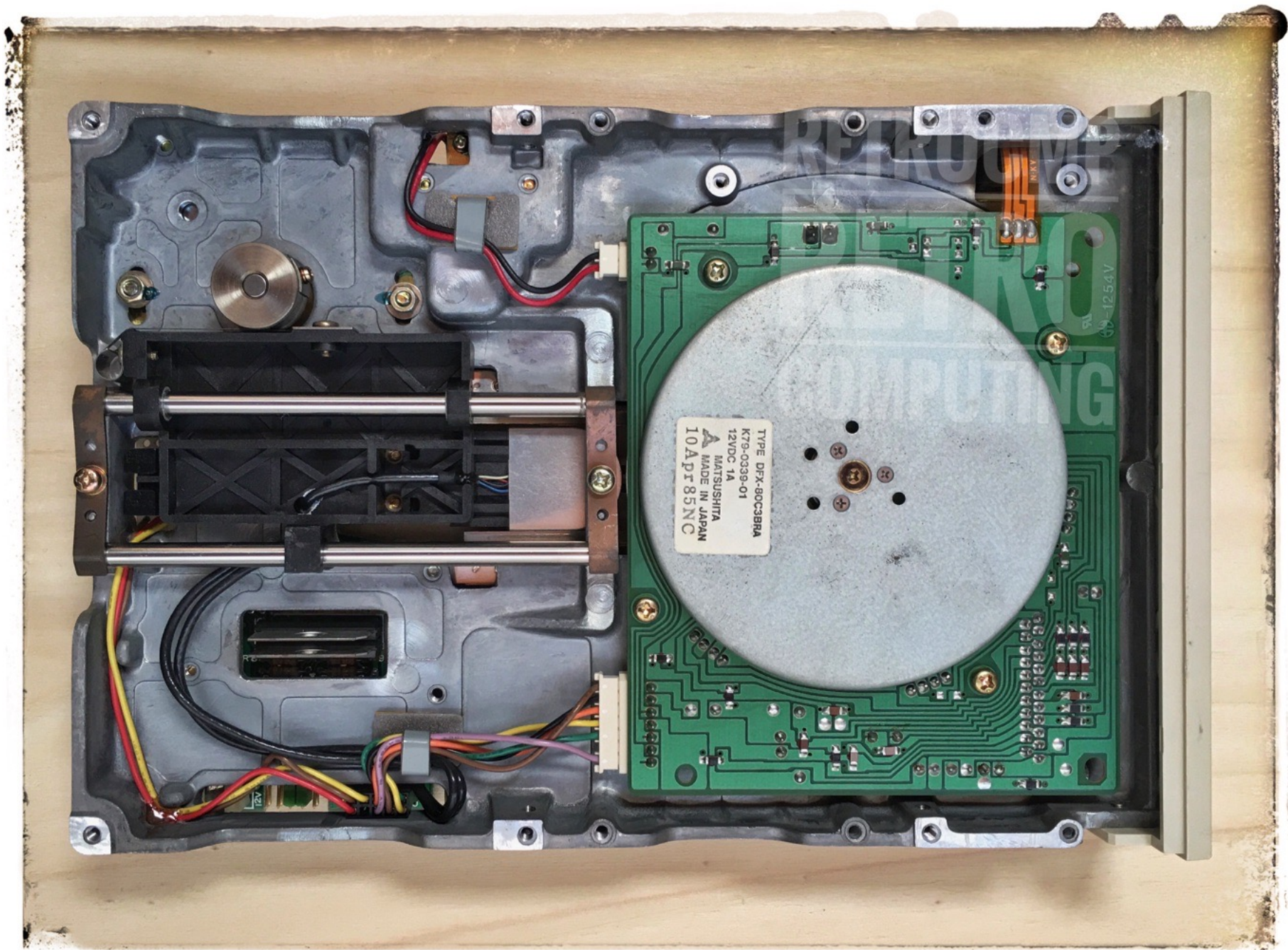


Commodore PC 10 / (c) <https://oldcrap.org/2019/03/16/commodore-pc-10>

Like many old floppy drives, the BASF 6128-C has a real HEAD LOAD mechanism.



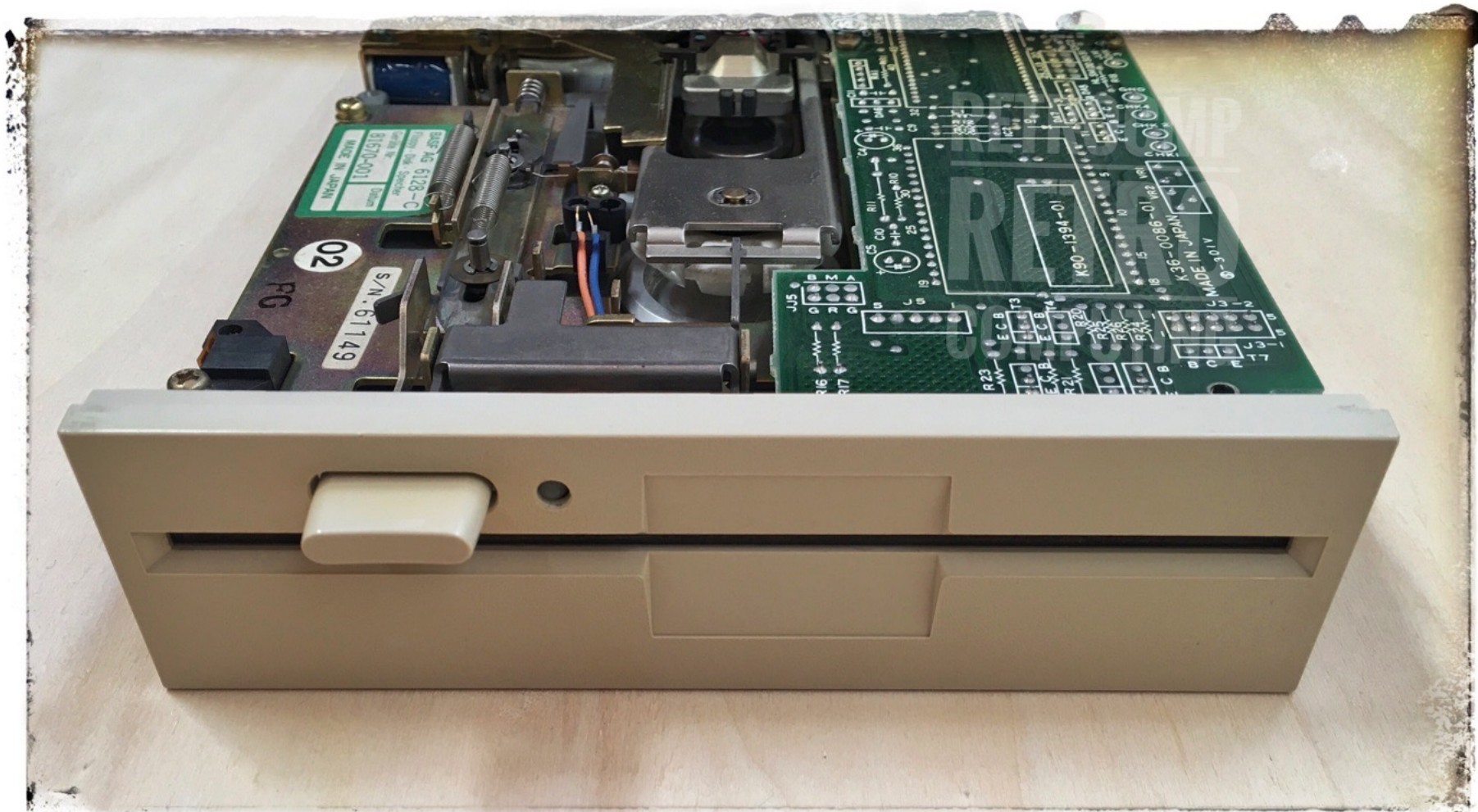
BASF 6106-C



BASF 6106-C

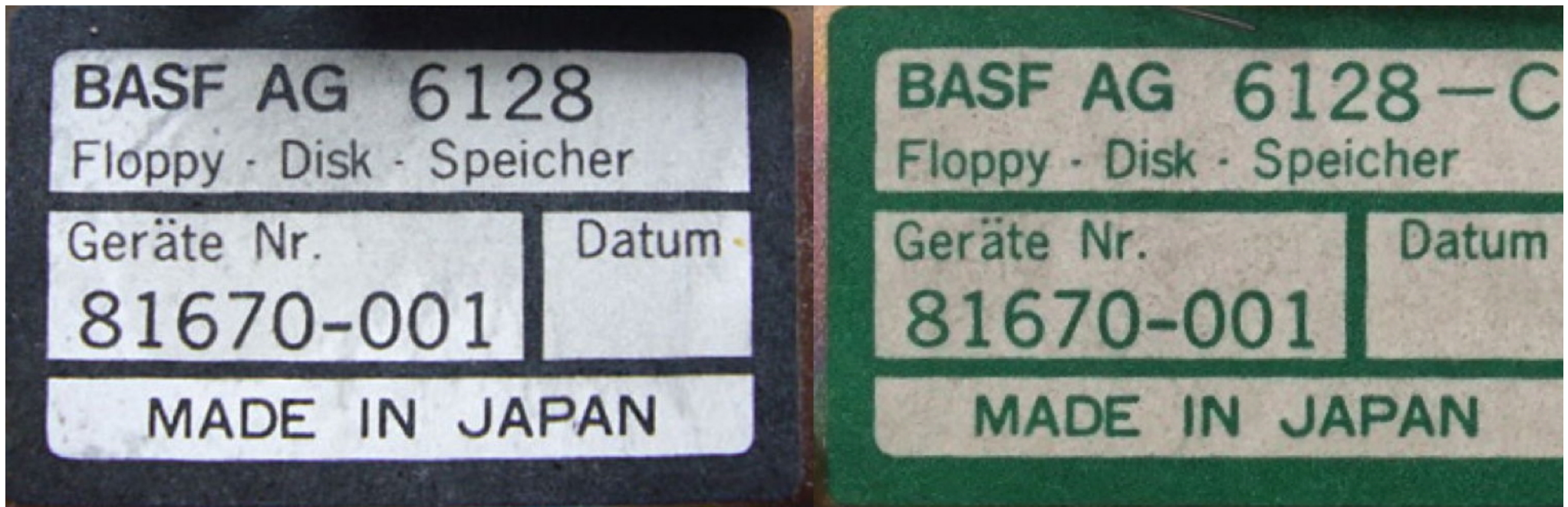
The most noticeable thing about this drive is the locking mechanism. While almost all other drives have a so-called knob to turn, the BASF 6128 has a push button.

- Insert floppy completely.
- Press the button and lock the drive/floppy.
- ...
- Press the button and eject the floppy.



BASF 6106-C

The Commodore floppy has a green label, while the original floppy has a black label and a black front panel. In the internet I only found two pictures with „black“ drives.



BASF 6128 labels / Same device number

## Technical specifications

|                      |  |
|----------------------|--|
| <b>Formfactor</b>    | 5,25"  |
| <b>Capacity</b>      | 360 KByte / DSDD / (2 x 40 x 9 x 512 = 368.640 Byte) |
| <b>Sides (Heads)</b> | 2  |
| <b>Tracks/Side</b>   | 40   |
| <b>Sectors/Track</b> | 9  |
| <b>Byte/Sector</b>   | 512  |
| <b>Height</b>        | 42 mm  |

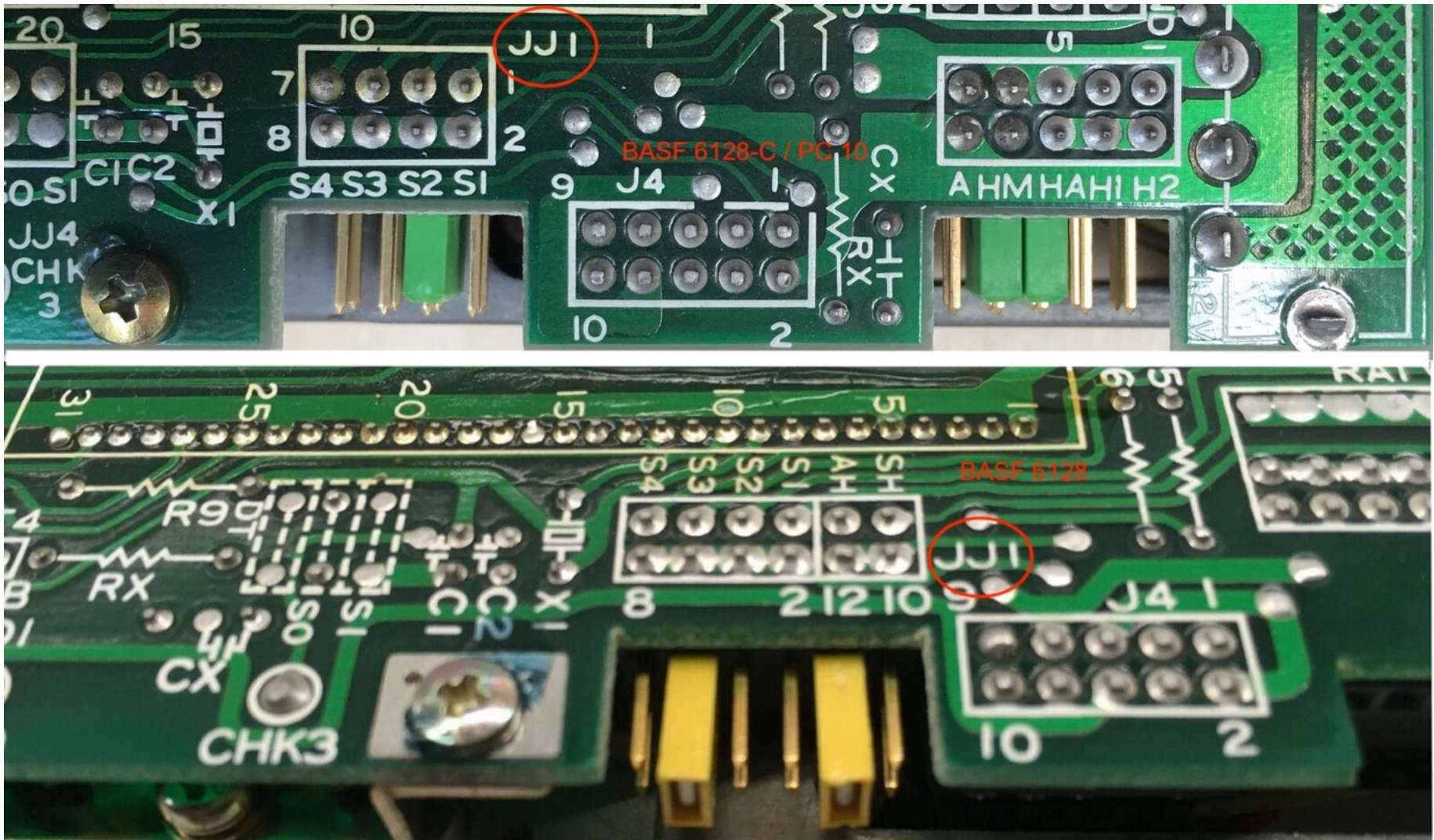
The holes for the fixing are in the lower part of the 6126 (as on the Qumetrak 142 or ALPS DFC222A). For this reason this drive may not be mountable in the normal bays. On the TEAF FD-55 the holes are higher!

The BASF „6128-C“ has no pluggable terminating resistor like the TEAC FD-55 drives or others! This is strange, because the „6128“ manual mentions a pluggable resistor array „close to the connector J2“ (p. 4, 2.1 Signal Interface).

However, this may well be possible because the two PCBs are different in this area.

## Jumper Settings

Note! The jumper settings of the Commodore PC 10 drive (6128-C) differ from those in the manual (6128). The BASF 6128-C has two two jumper areas, the BASF 6128 only one!



BASF 6128-C (top) / 6128 (below)

- BASF 6128
  - JJ1: SH\*, AH / S1\*, S2, S3, S4
  - SH = Head loading takes place under head loading signal.
  - AH = Head loading takes place by ready mode automatically.
  - \* = factory settings
- BASF 6128-C
  - JJ1: S1, S2, S3, S4
  - JJ2\*: A, HM, HA, H1, H2
  - \* = The meaning of these jumpers is not known to me.



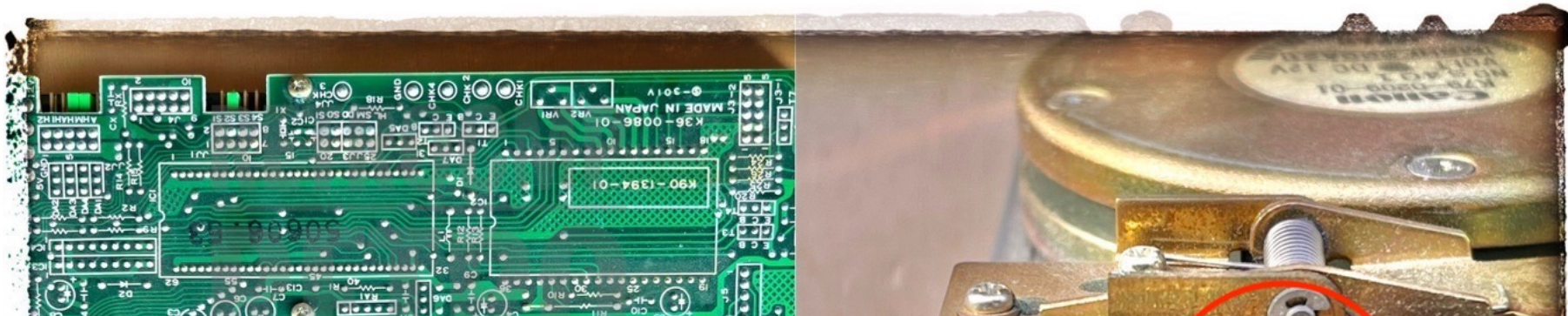
BASF 6128-C, (c) <https://oldcrap.org/2019/03/16/commodore-pc-10>

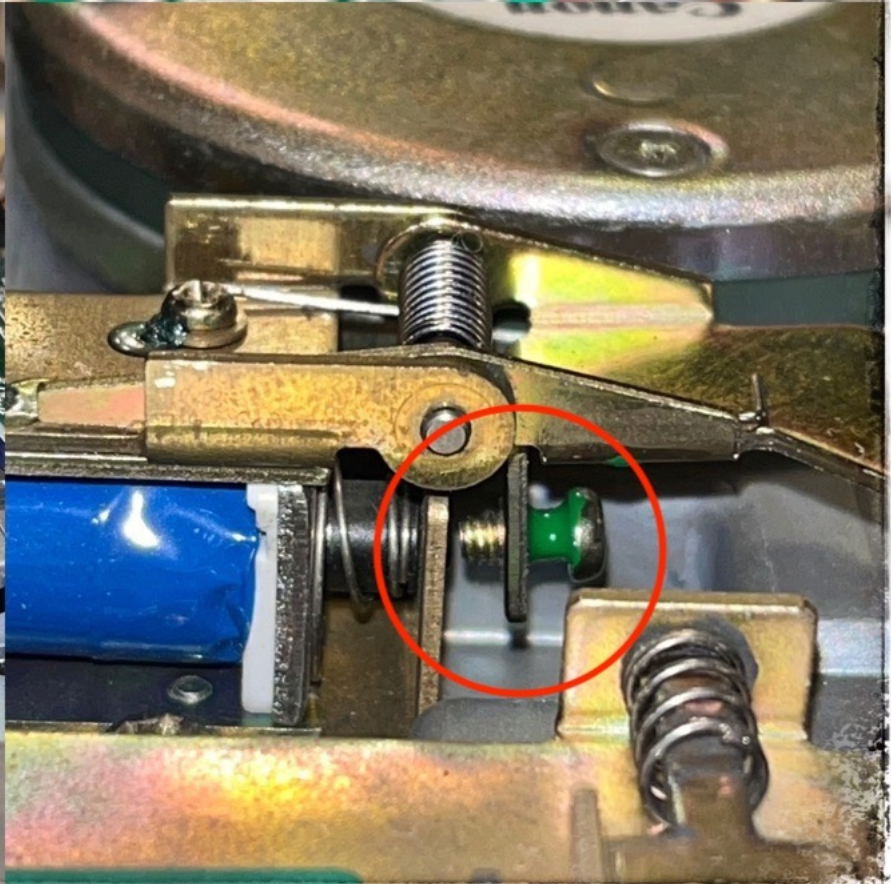
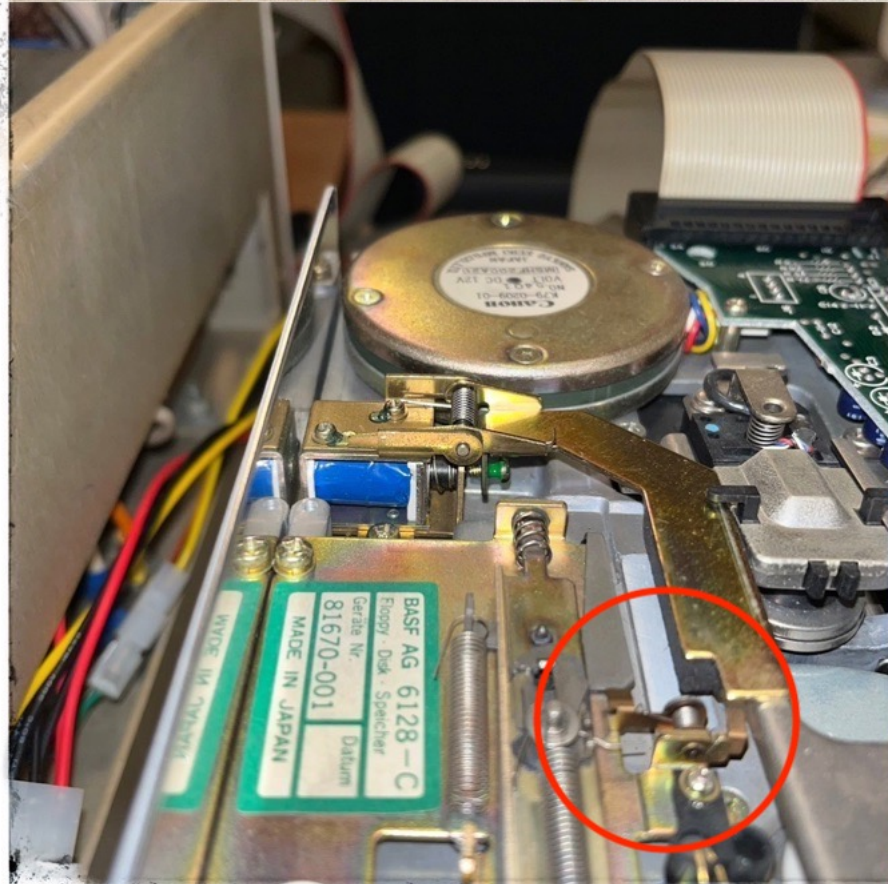
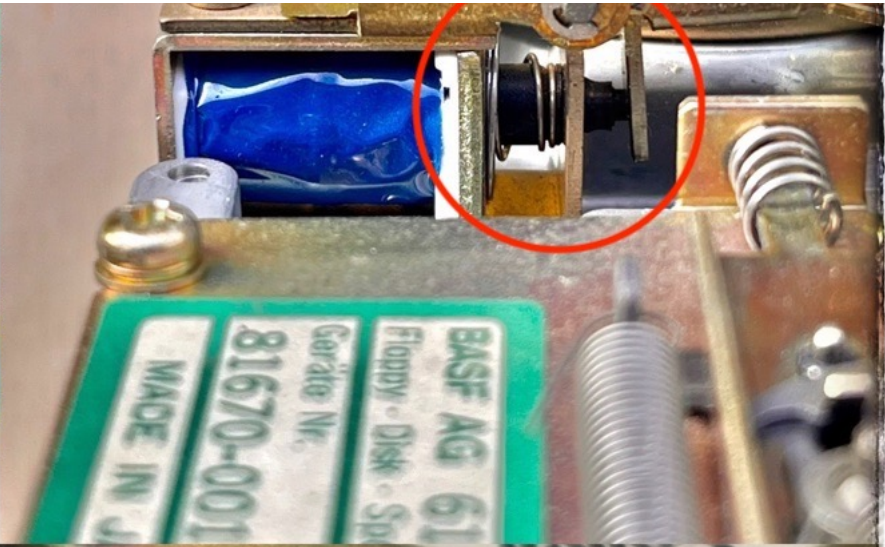
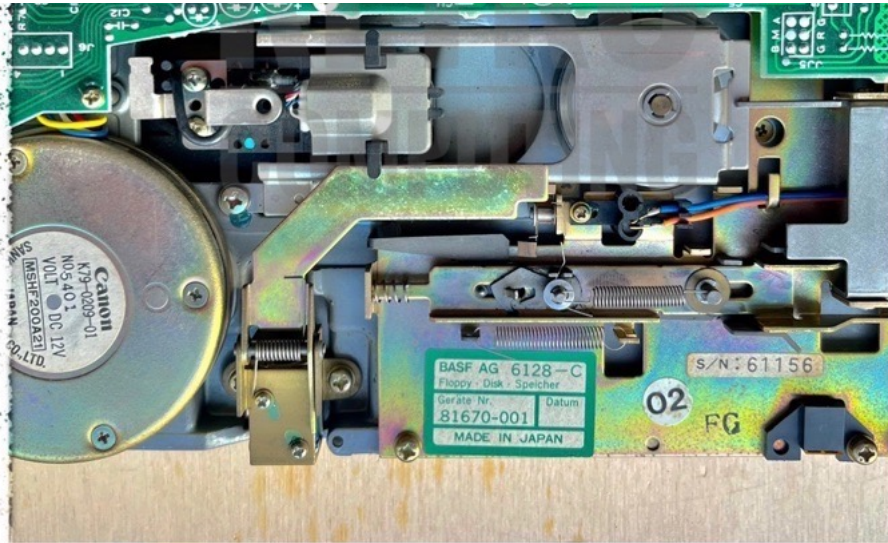
I use two BASF 6128-C on my IBM 5160 XT (with CompatiCard IV) as drives A: and B: with the standard twisted 34 pin cable. Both drives have the same settings: S2, HM and HA.

## Head Load

[top](#)

In the course of my activities with my [North Star Horizon](#), I noticed that the HEAD LOAD and the eject mechanism of my two drives have been damaged in the meantime. A small plastic part has become weak and has deformed. With the consequence that the disks could no longer be ejected. This was not the case about three years ago. Well then. I fixed the error by replacing it with a small screw.

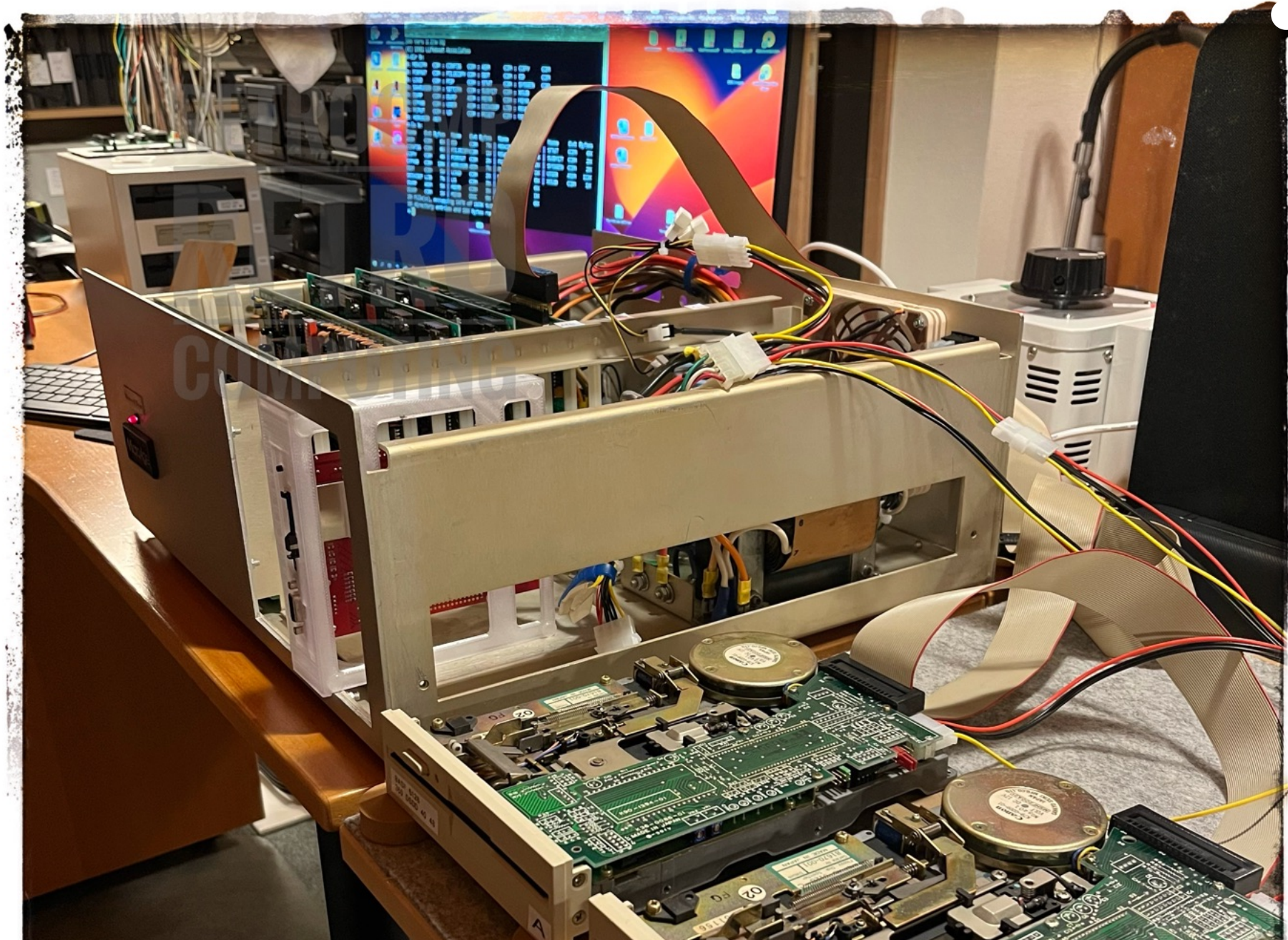






BASF 6128-C, faulty and new head load

The BASF runs perfectly with hard-sectored disks with my North Star Horizon. Even the front blade colour fits perfect!





BASF 6128-C & North Star Horizon

---

## Manuals

- [Technical Manual 6128, 6138 \(en\)](#) (4,3 MByte)

[Homepage](#)

[top](#)