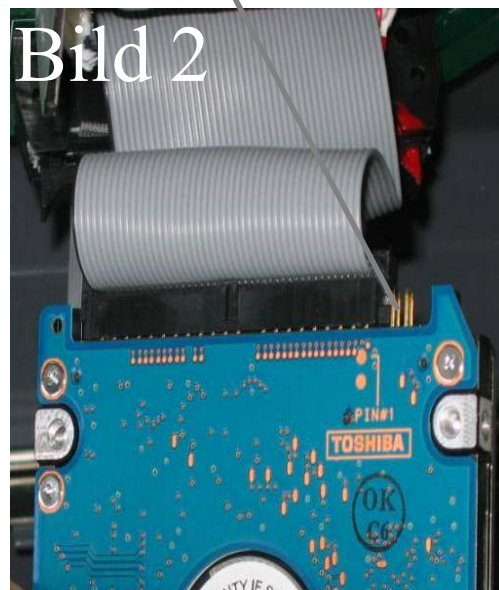# Replacing the disc drive   (grandMA UltraLight)

The following tasks may be performed by qualified personnel only! By disregarding the instructions or the prescribed sequence of tasks the unit can be severely damaged. These instructions are intended as a guide for qualified personnel.

You need:
- DOS Boot Disc (WIN95B oder 98); create it with your PC (www.bootdisk.com)
- grandMA utility Disc ; find it inside your desk or download from www.malighting.de homepage
- grandMA Software Discs download from www.malighting.de homepage

1. Pull the main plug.
2. Remove the connecting screws between lid and bottom section all around the unit from below and open the lid.
3. Remove the 4 screws of the disc drive , and support the drive. Remove the bracket and remove carefully the plug from the disc drive (see Fig 1).
4. Plug in the new disc drive - **ATTENTION! Wrong position of the plug or damage of the connections will destroy the disc drive.**
   Hold the disc drive in this position (see Fig 2) and plug in the disc drive in the shown position (both rows of pins must be insertet into the plug - some pins on the right side remain visible)

5. Fix the disc drive (together with the bracket) to the board with the 4 screws.
6. Close the lid and secure it with the screws.
7. Insert the DOS-boot disc and have a keyboard ready for use,
8. Switch ON the desk and wait, till the cursor flashes at A:\>_
9. type **fdisk** and confirm with ENTER
10. type **N** (NO) and confirm with ENTER
11. type **1** and confirm with ENTER
12. type **1** and confirm with ENTER
    Wait, till the automatic check of the disc drive is finished.
13. type **N** (no) and confirm with ENTER
    Wait, till the automatic check of the disc drive is finished.
14. type **128** and confirm with ENTER
15. press ESC

16. type *2* and confirm with ENTER
17. type *1* and confirm with ENTER
18. press ESC
19. press ESC
20. press ESC
21. type *fdisk* and confirm with ENTER
22. type *y* (yes) and confirm with ENTER
23. type *1* and confirm with ENTER
24. type *2* and confirm with ENTER
     Wait, till the automatic check of the disc drive is finished.
25. type in max 32000 (or less, if less space is availabel) and confirm with ENTER
26. press ESC
     Wait, till the automatic check of the disc drive is finished.
27. ENTER
28. press ESC
29. pess ESC   then start the desk with Contr + Alt + Del without a disc.
30. type *format_c:*   and confirm with ENTER
31. type *y* (yes) and confirm with ENTER
32. ENTER (type no namen)
33. type *format_d:*   and confirm with ENTER
34. type *y* (yes) and confirm with ENTER   formatting can take 10 - 15 minutes
35. ENTER (type no namen)
36. type *lock_c:*   and confirm with ENTER
37. type *y* (yes)   and confirm with ENTER
     remove DOS-bootdisc and insert utility disc
38. type *cd_doc42*   and confirm with ENTER
39. type *vxsys_c:*   and confirm with ENTER
40. type *y* (yes)   and confirm with ENTER
41. type *cd..*   and confirm with ENTER
42. type *unzip*   and confirm with ENTER
     Start the desk with Contr + Alt + Del without a disc.
43. When   „To enter Utility menu press any key" appears, press any key
44.   Continue with *1* (Restore grandMA operating system)
          or (with empty disc drive)
          continue with *5* (you need the grandMA Software discs)
Then restart the desk