



Replacing Paddle's on the PD-1

If you need this document you are unlucky or very strong! Only 4 or 5 paddles have broken in the first 1,000 switches.

You will need the following tools:

- 1) 2mm Allen Key
- 2) Small Pozidrive screwdriver
- 3) M3 (5.5mm) Nut Runner or spanner

To Replace:

- 1) Remove the 4 M3x6 Allen screws securing the front panel
- 2) Note the orientation of the 14 way plug to the LCD
- 3) Unplug the 26 way ribbon cable to the keyboard
- 4) Unplug the 14 way ribbon cable to the LCD
- 5) Unplug the 16 way ribbon cable between the two switch boards
- 6) Undo the 6 Nylock nuts securing the paddle PCB and remove (The original units used full nuts). Be careful not to lose any of the spacers (there are two 8mm spacers on each M3 stud).
- 7) Loosen the 10 M3 pozidrive screws securing the bar holding the paddles.
- 8) Slide the bar far enough to remove the broken paddle.
- 9) Insert the new paddle and reassemble
- 10) Tighten the 10 M3 pozidrive screws securing the bar, finger tight is enough.
- 11) Align the paddles with the holes in the front panel and replace the board.
- 12) Replace the 6 M3 nylock nuts; tighten enough for the board to lay flat on the 16mm brass pillars that support the bar.
- 13) Connect the 16 way ribbon cable between the two switch boards
- 14) Connect the 14 way ribbon cable to the LCD Pin 1 on the outside
- 15) Connect the 26 way ribbon cable to the switch board
- 16) Replace the Panel and secure with the four M3x6 Allen screws

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