How to replace Rosendahl Nanosyncs HD pushbuttons

Nanosyncs HD units with serial numbers H60001 - H80999 use Mentor pushbuttons series which can get damaged at excessive use. Nanosyncs with serial numbers from H81000 are assembled with new NKK pushbuttons series.

This document describes how to replace a damaged Mentor pushbutton 1852.6232. You can also use a Mentor 1852.6231 which is the vertical version, see details below.

https://www.mentor.de.com/bauelemente/en/?s=1852.6232
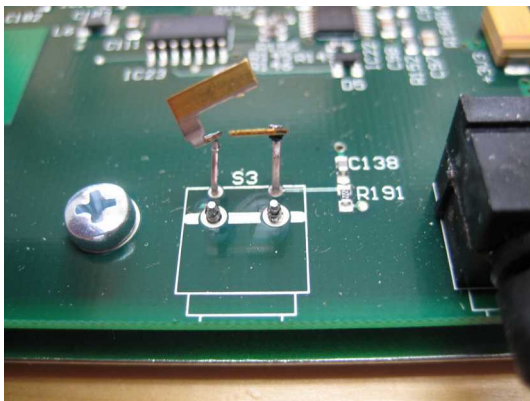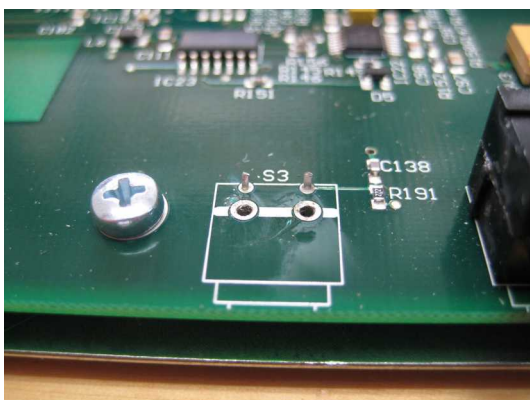https://www.buerklin.com/de/p/mentor/druckschalter/1852-6231/12G2771/

(1) **DISCONNECT THE UNIT FROM MAINS!**

(2) Open the 8 Philips screws on the top, 2 on the left and 2 on the right side to remove the cover. Open the 4 Philips screws on the bottom/ front side to detach the front panel.

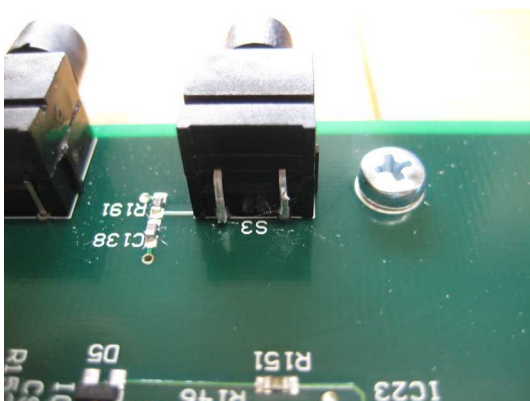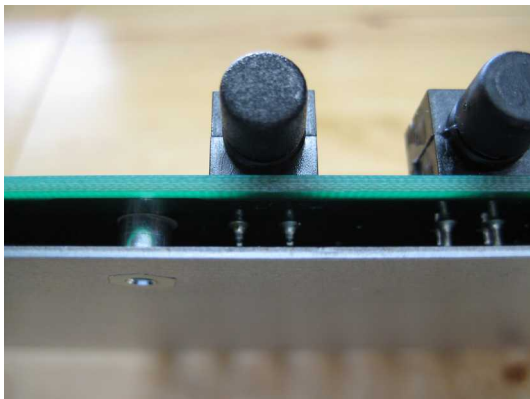(3) Carefully remove the plastic parts of the broken pushbutton with a wire cutter.

(4) Unsolder and remove the two mounting bolts (tweezers are useful). Clean up the pads with desoldering braid. Cut the two contact wires to 3-4 mm length.

(5) Prepare the provided spare pushbutton and cut of the two contacts as shown.

(6) With a small soldering iron it is possible to solder the two mounting bolts without extending the complete PCB from the chassis. Please take care to solder the two bolts quickly, because they are just press-fitted in the plastic body of the pushbutton. Connect the contacts on the rear side of the pushbutton also carefully with respect to the closed plastic housing.

Please be patient when you reassemble the front panel to bring in all the optical conductors. Assemble the top cover before you reconnect the unit to mains!

Thank you for your assistance!