

New Display backlite for the Korg DSS-1

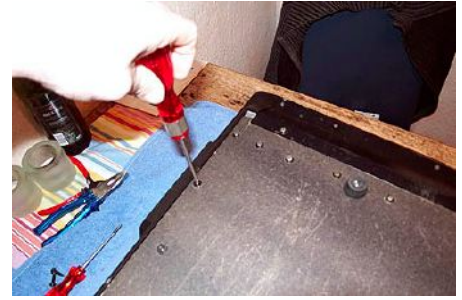
read it carefully - steps 1 to 12 are easy, from step 13 and later you have to be very careful!



1) Unplug first the power cable!
Ok, let's go! Unscrew the 4 screws light and left...



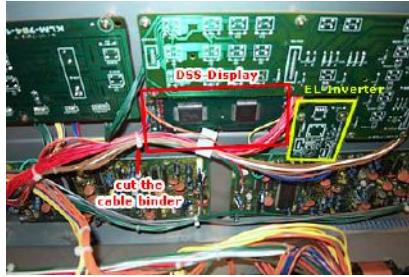
2) ... and at the back of your DSS...



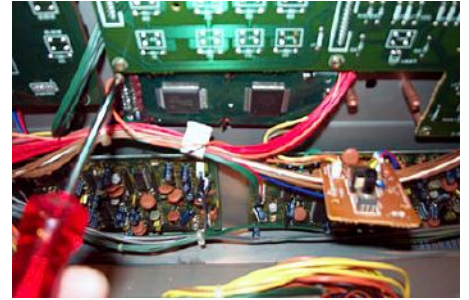
3) ... and 4 screws at the bottom (right and left)



4) Open the DSS board. left side: the Floppy with the cable (I'll add instruction how to replace the Floppy later).



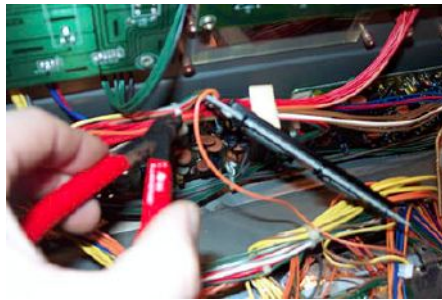
5) This is the Display (red area) and the little plate for the inverter (yellow). 6 screws to be released.



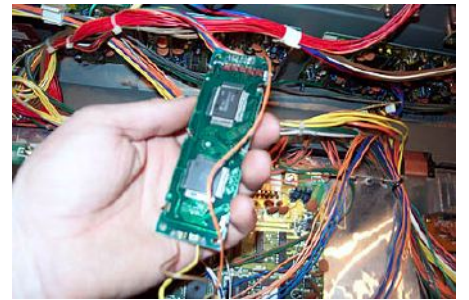
6) The screws are quite fixed, use a good Screwdriver to release them!



7) This is the Display with the holder.



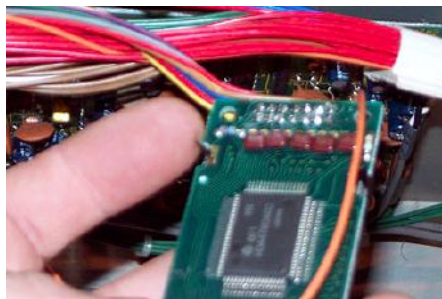
8) Cut the cable binder (be careful!).



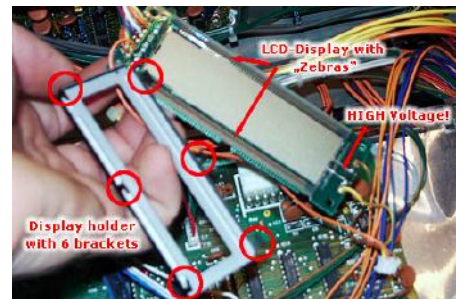
9) This is the Display backside. 3 cables: mid-brown (top), brown and yellow - they'll power your EL-plate from the inverter. CAUTION: The inverter is powering the EL-plate with ~600 Volts, DON'T TOUCH IT when the DSS is powered on!



10) The holder and the 2 contacts from front.

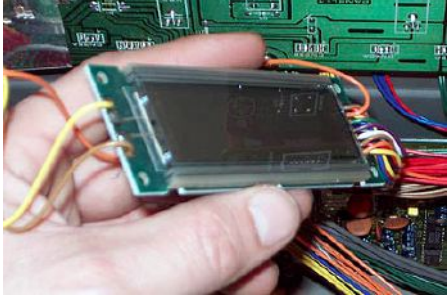


11) This is a bracket (at the finger) fixing the LCD to the board. They're 6 of them. Turn the brackets softly (don't break them!) and turn the display before you lift it!



From here on: don't follow the next steps **except as indicated!**

12) Release the holder softly. Do you see the LCD and the "zebras" fixing the board? DO NOT LIFT THE LCD - I did it, and it was a nightmare!

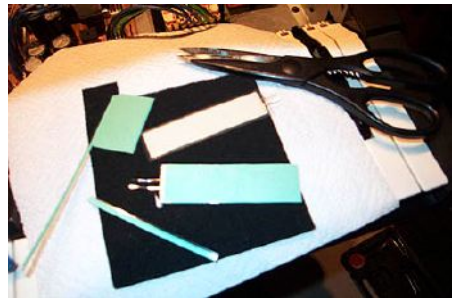
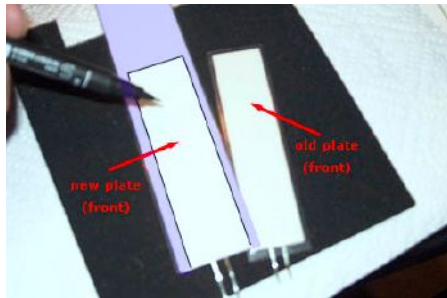
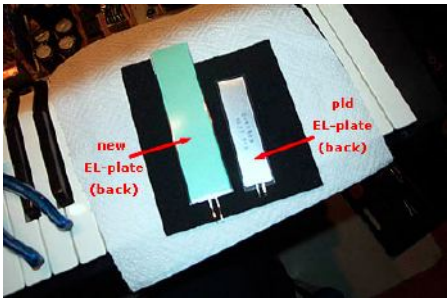


13) Now here's a hint: Fix the "zebras" (the silicon stripes) with the LCD with **super glue (next pic blue)** to the board – but really **FIX** it! The LCD is just on top of the board, no screws etc. You can lift it but if you do so (I did) you're very buys later! The zebras (and the contacts inside them) have to match exactly later again. **IF NOT – check out pic xx, best case: you display will work, worst case: some le*t*e*s a*e mi*s*ng or very worst case: the display will NOT work!**

13b) Fixed the LCD with super glue? If yes, ok. Get a soldering iron (with low heat or be fast) and desolder the two cables. very easy, done within seconds.

14) The new EL plate (green, it's the backside). The right size is around 8,5 cm x 2 cm (~3.5 x 0.8 inch); the new plate is larger, no problem! You have to cut it!

13c) You can pull out now the old EL plate under the LCD (yellow arrow) - very softly, it's not fixed to the board!



15) Put the old plate to the top of the new plate (both with front side)- new backside is green (or blue) or silver (just as on the old plate). The front sides are white (always!)

16) Mark with a thin, waterproof felt tip. The lines will be cut too...

17) Dont be stupid and cut it at the wrong side: you need the 2 flat contacts , careful! Don't break them!

Use a sharp cutter!

Forget the rest, it's rubbish now.



18) Push the new plate (white side to top, colored side down) under the LCD display. Power you DSS ON and check the light. Does it work? ok, Power OFF.

19) In both pictures my LCD and the holder is missing – if you followed step 13–13b you can see the welcome message from the KORG.

20) This happened to my DSS – and it can happen to you too if you lifted the zebras and the contacts: some letters are missing. This is a good case: I managed to fix it (took me 2 hours at least) and a lot of sweat and tears. Worst case is: the display lighe works but you cant read anything!

CAUTION! don't touch the cables or the inverter! HIGH VOLTAGE (600 Volts). Do it and you're disqualified ;-). Forever!



FINAL: This is how it should look like! (After i finally got the zebras matching exactly to the contacts.) Btw: I read about a noizy beep at the Ensoniq ESQ-1 – its the display, if the EL plate does

not match exactly, you'll hear a noisy
beep...