



*Index Braille opens
the door to Windows*

Basic-D/S v.II fuse exchange

Mr Bjorn Lofstedt



Reasons for blown fuses

- **Major peaks on the main power supply**
- **No or bad grounding of the embossing unit**
- **Fault on the mainboard**
- **Burned hammers, OK hammers should have 1.8-2.4 Ohm resistance**
- **Damaged printhead cable**

Check fuse

- **Incoming fuse in the power on/off switch.**
If the on/off switch is lighted the incoming fuse is OK.
Fuse = 4.0 A, slow blow (glass 20x5 mm)
- **Main embosser fuse is OK if any of the LED on the main board is lighted, they can be seen through a slit at the backplate**
Fuse = 6.3 A, slow blow (glass 20x5 mm).
Located in a hole under the front profile of the embosser



Exchange incoming fuse

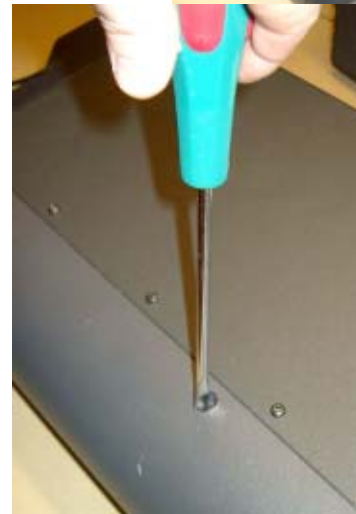
- **Remove the power cable from the embosser**
- **Remove the fuse holder with a sharp tool.**
- **Insert a new fuse, check that on/off switch is lighted when powered on**





Exchange main fuse – 1/2

- **Check if the on/off switch is lighted but not any of the LED at the backplate, which indicates burned main fuse**
- **Hold the embosser up-side down and rotate the fuse holder contra clock wise 1/8 revolution**
- **Shake it until the fuse falls out, if not go to next step**



Exchange main fuse – 2/2

- **If the fuse does not fall out the friction between fuse holder is to high**
- **Use a hot glue gun, apply glue on a pencil, and press it against the released fuse holder until the glue has cooled down**
- **Use the pencil to pull out the fuse holder**
- **If this fails the embosser has to be disassembled to reach the fuse**



Exchange main fuse - 3

- **Insert a new fuse (6.3 A, slow blow) in the fuse holder**
- **Insert the complete fuse holder and lock it clockwise 1/8 revolution**
- **Press power on and check that it starts up**





Test printout

- **Install paper and make a test printout, power on "on line" + "on line"**
- **Check that the printout is correct on all thirteen**



If the fuse blows again

- **Disconnect power supply from mainboard and power up to check if the fault is on power supply board or mainboard/ printinghead**
- **Connect power to mainboard and disconnect the printhead. Starting up = mainboard is OK, hammer drivers not checked**
- **Check the resistance on each hammer. Correct level is 1.8-2.4 ohm. If any of the hammers is burned (< 1.8 ohm) the printhead has to be exchanged**
- **If printhead is correct (1.8-2.4) connect printhead cable without power off the unit. Direct blown fuse = faulty hammer drivers on mainboard – exchange mainboard**
- **If OK, make a power on "on line" + "on line" test printout. Check that printout of all 13 hammers are OK**

