KEN HYGIENE SYSTEMS®

Service Bulletin

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Retrofitting of printer for IQ5 & IQ6 series.

Kit no. 998140

This guide describes how to retrofit a panel printer at the IQ5 or IQ6.
The complete retrofit kit can be ordered as kit no. 998140.
The kit contains all parts necessary to install the printer at machines that
was originally manufactured and shipped without the printeroption 2908140.

Mechanical fitting:

A mounting hole for the printer has been 99% precut in the frontpanel metal plate. The cut out blanket is only hold in place by a tiny "micro-joint" in each corner, and can be knocked out relatively easy using a hammer. Before knocking out the blanket, the front panel overlay must be cut along the edges of the hole. The cut must be done using a sharp knife from the frontside. To know where to cut, the trick is to place a light source behind the frontpanel. (e.g. a mobile phone photo light). The white line in the front cover is transparent, and so you can locate where the pre cut crosses the white line. Start the cut there, and follow the pre-cut groove all the way round.

To knock out the blanket, the complete front panel assembly should be removed and placed on a solid table, and be firmly supported by e.g. some wooden blocks just outside the pre-cut area, in a way that protects the display and other components against overload/damage when knocking out the blanket. Finally, when the blanket is out, the printer shall be mounted in the hole from the outside, pushbuttons upwards, and be firmly secured by mounting the 2 black plastic locks at the sides of the printer.

Electrical fitting:

Power supply board: The kit includes a power supply circuit board that shall be mounted at the back side of printer. The utmost care must be taken to fit the 8 small pins correctly into the black socket, while simultanously tightening the 2 screws step by step.

The wiring of the printer is shown in the standard schematics in the IQ5 & IQ6 technical manuals, but to ease and clarify how to fit the wiring in praxis,   it is explained in more details at page 2, that can be read in addition to the manual.

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These instructions are intended for guidance purposes only. They have been developed to support authorised technicians, trained by KEN HYGIENE SYSTEMS A/S, or by a KEN HYGIENE SYSTEMS A/S approved training partner, with the installation and maintainance of, products manufactured by KEN HYGIENE SYSTEMS A/S.
The instructions are subject to change without notice.

Power supply wires:
(blue wires "23-1" & "23-8")
The 2 blue wires shall connect the printer to connector X13 at the Slave module K101 (the leftmost module).

Be aware that the blue wires has different crimp terminals in each end ! The hollow (female) terminals shall be mounted in the X13 connector.!

Wire 23-1 shall be plugged into terminal place 11 in the X13 connector.
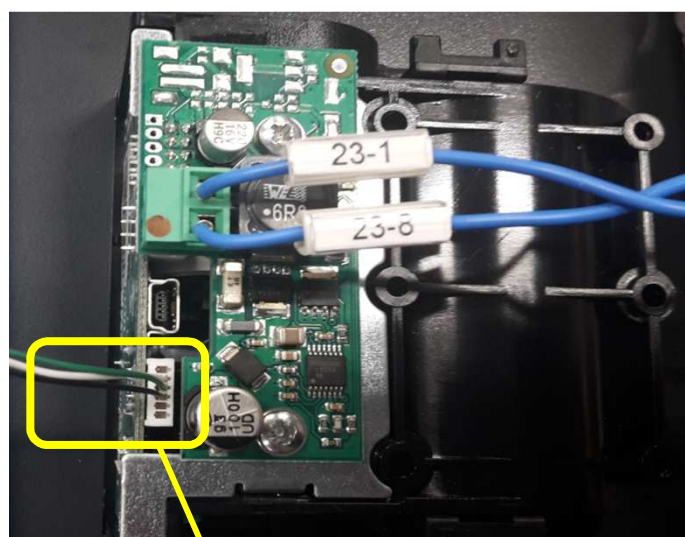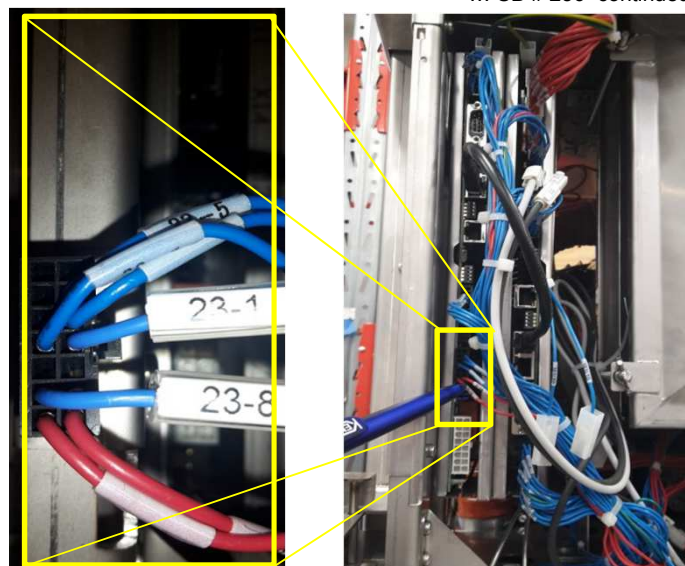Wire 23-8 shall be plugged into terminal place 2 in the X13 connector.

In rare cases, you may find place 2 or 11 allready in use by other wires.
a) If loading table option installed, there may allready be a wire 23-8 installed at place 11.
b) If Tank2(Booster Tank) installed, there may allready be a wire 23-1 installed at place 2.
If so, please contact KEN for further guidance.

At the printer, the wire 23-8 shall be mounted in the green connector at the terminal marked by a dot.
Wire 23-1 shall be mounted in the other terminal in the green connector.

NB! In case testing/trouble shooting is necessary due to printing problems, please be aware that the positive voltage at wire 23-8 can only be measured when the PWM1 output is active. If problems, please contact KEN for further guidance.
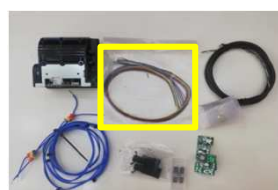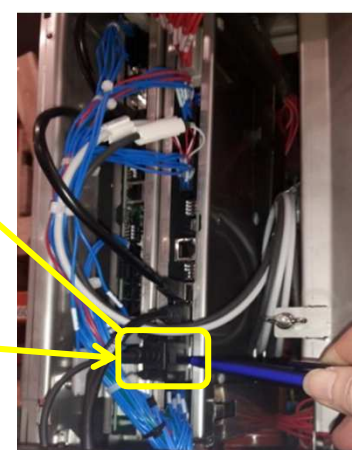
Communication cable (7608404):

The communication cable (7608404) connects the printer to the CPU/Master Module K100 (rightmost module)

The 9-pin Sub-D connector shall be plugged into the Master/CPU module, (The right hand module closest to middle of machine)

Unused part:
The alternative wiring harness with multiple coloured wires is an optional harness supplied by the printer manufacturer.
It is not in use for the KEN IQ series, and can be discarded in case it has been included in the kit received.

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