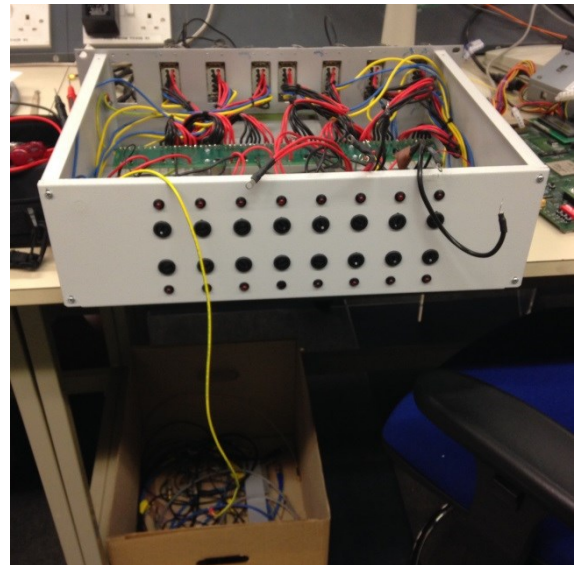
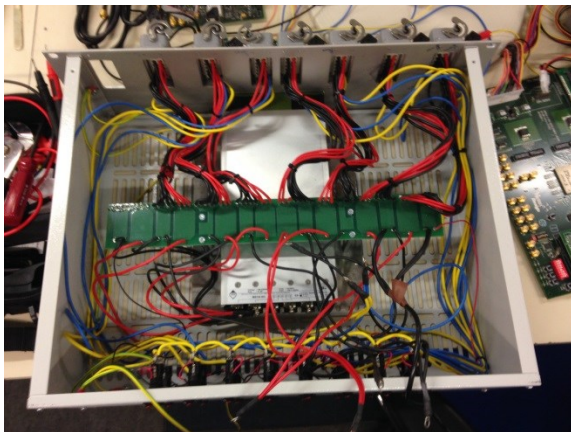


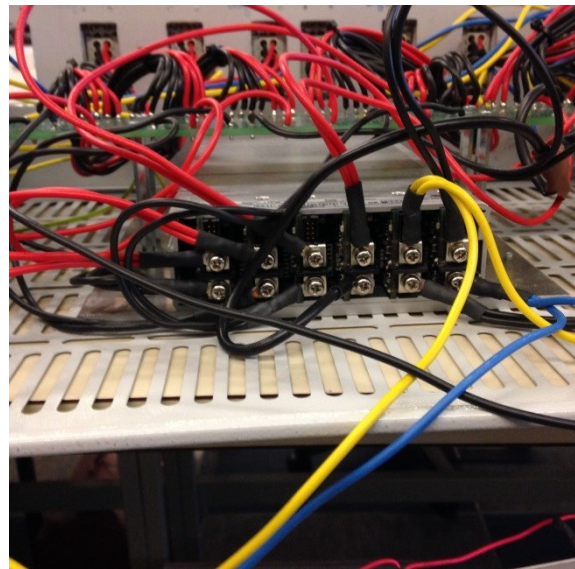
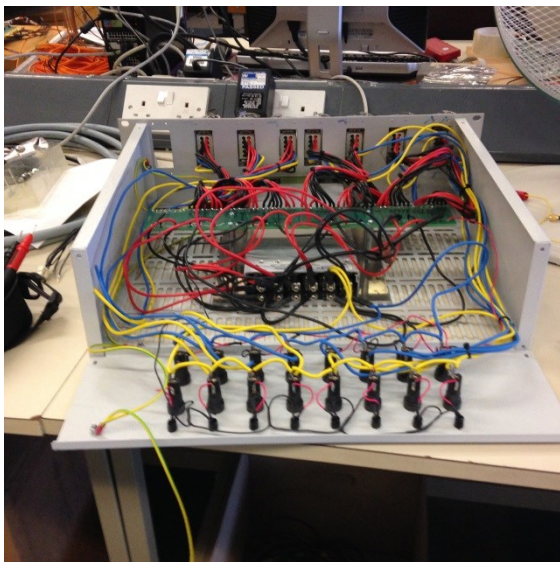
# Power Supply setup and options for RIKEN February 2015

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Remove the supply from the rack to an appropriate bench. Remove the top cover and the back panel.

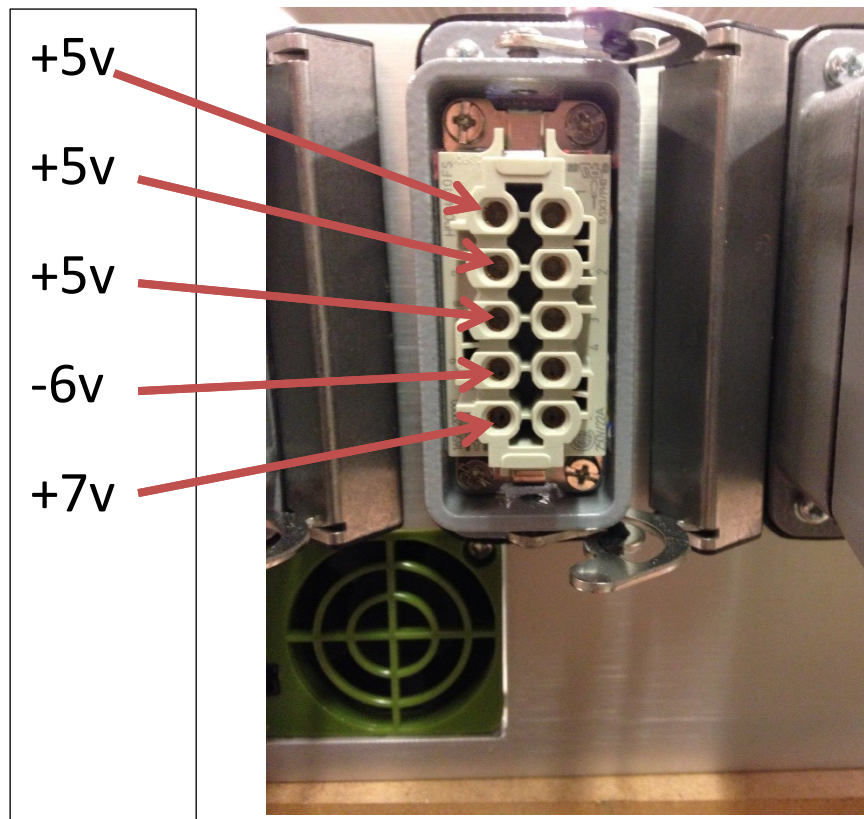


The back panel will hinge down to reveal the back of the power module.



Using a suitable DC voltmeter measure the voltages at the front panel connector.

See the next picture for an indication of the values to measure at each pin.



All the pins on the right are 0V.

## Important Note

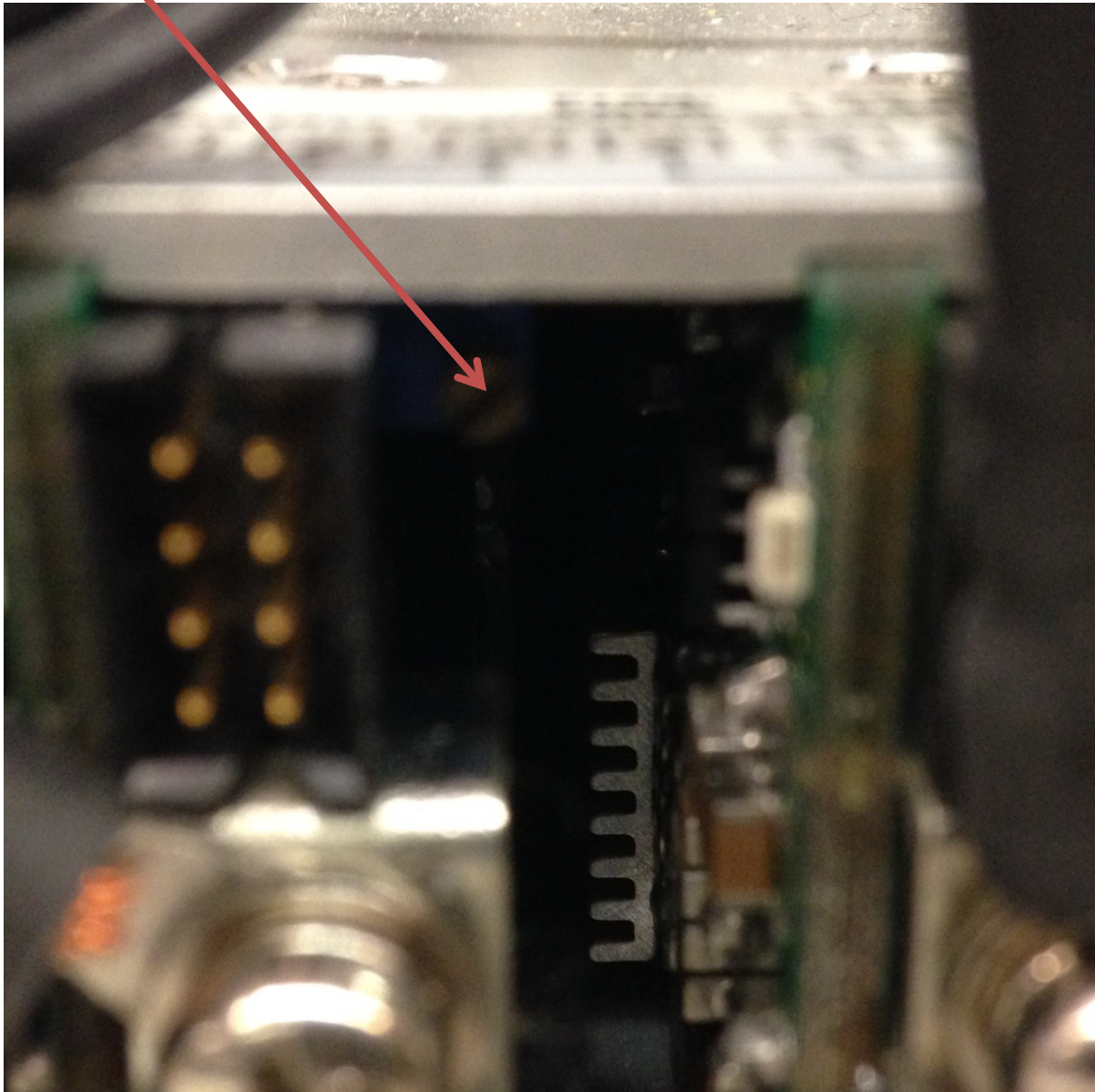
When the power supply is on there is 40A available at each of the +5v supplies and 20A at the -6v and +7v. If you connect the two with metal ( a ring or a screwdriver for example ) there is the possibility of metal vapourisation.

For the following adjustments it is recommended that **ONLY** a plastic “pot-twiddler” provided.

To reach the adjuster you may need to adjust the position of some wires. Slacken the screw of the terminal and re-tighten and ensure the connection is immobile.



The adjuster for each power sub-unit is to the right of the 8 pin IDC plug on the back of the power unit.



With the meter connected to the -6v pin and a 0v pin of the front panel connectors apply mains power to the power supply.

Adjust the voltage at the rightmost supply board, ( as seen from the back ) where the blue wire is connected , to give -6.5v.

Repeat for the +7v pin to give +8v by adjusting the second from the right supply where the yellow wire connects.

In each of the front-panel connectors test the +5v and adjust to +5.5v. Each of the +5v supply boards is used for two connectors. Follow the wiring to identify which board connects to which front-panel connector.

Re-assemble the panels and then test the voltages before returning the unit to the system.