

Conversion to new generation Power&I/O board in the STO-i

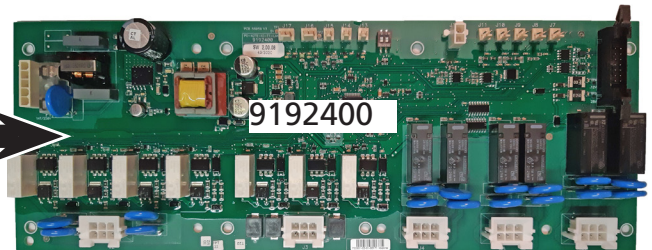
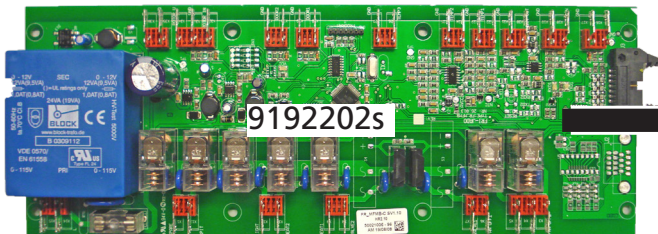


Stacked underneath a STG i



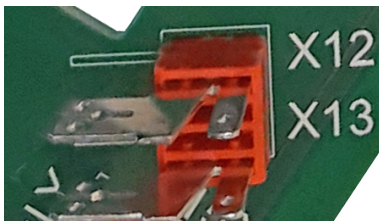
The below 9192202s board is no longer deliverable. This because some components became obsolete

The below 9192400 board will replace it

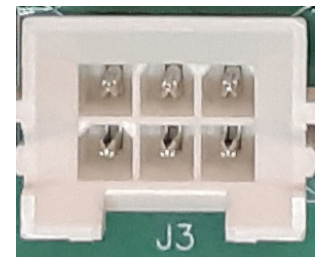


Old boards have spade terminals

New boards have multi pole sockets



"X" numbers to "J" numbers

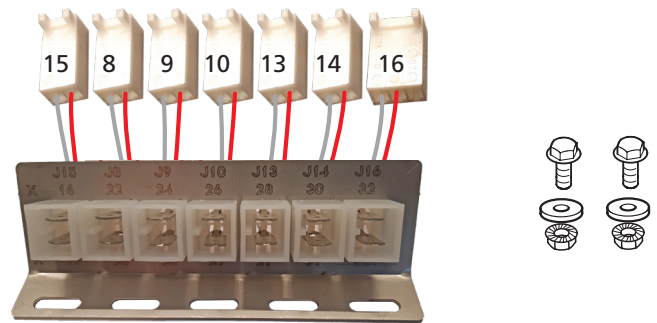
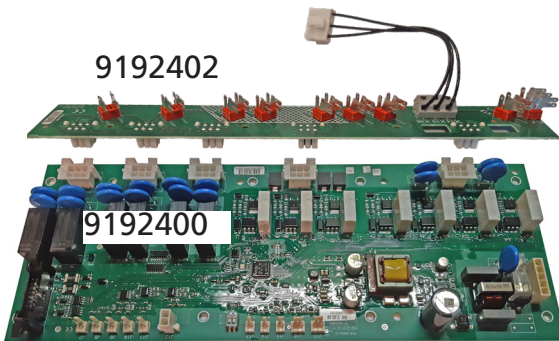


Notes!

- These ovens have been manufactured until april 2011

The kit comes with:

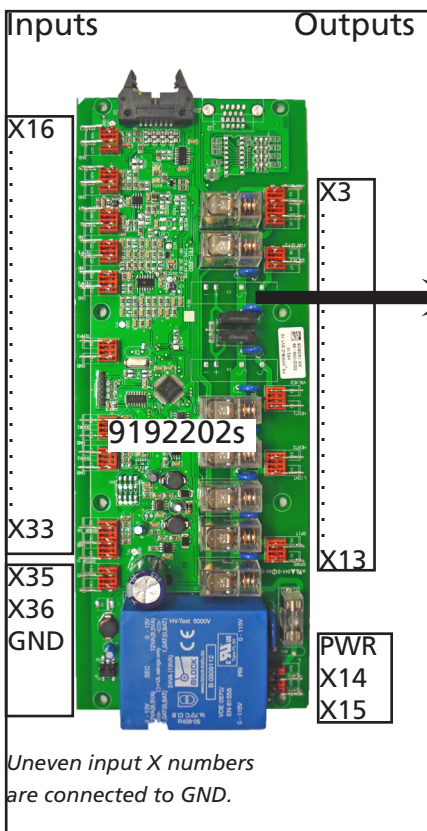
- ➔ An interface board 9192402 to convert the output wiring.
- ➔ A bracket with wiring to convert the input wiring.
- ➔ Mounting material.



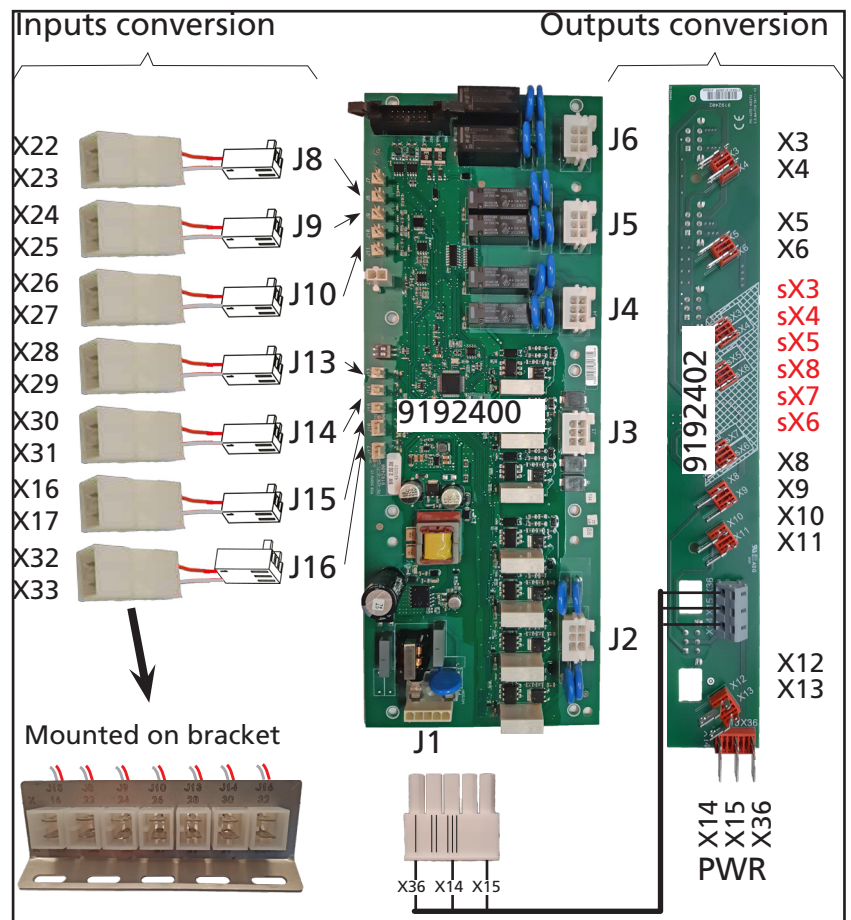
The principle

Inputs are signals like switches and sensors.
Outputs are power consumers like contactors, motors, lamps.

Old board connections.

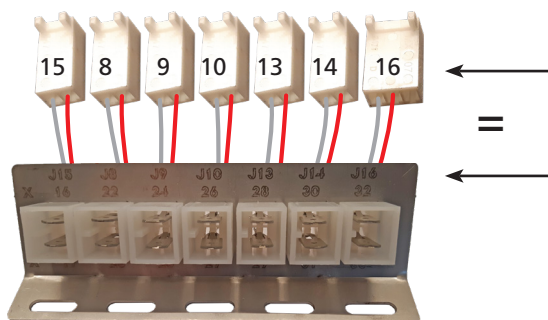
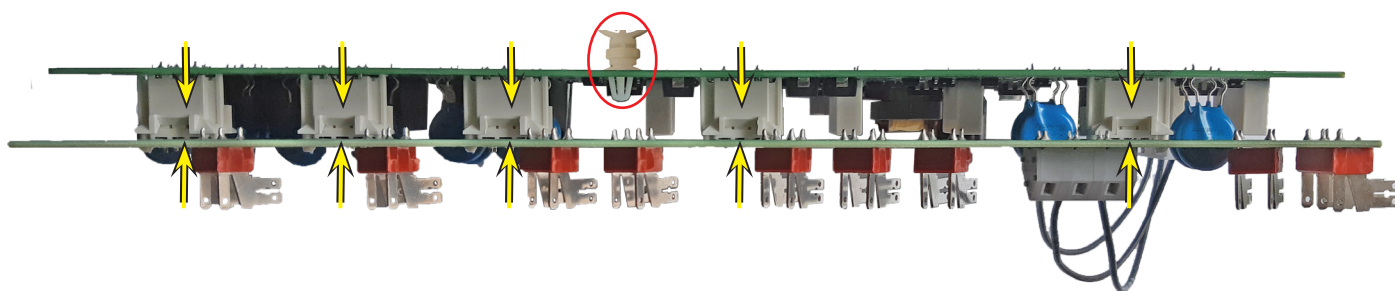


New board with conversion



Preparation

Note that the assembly of boards has one spacer mounted, with the top, cut off.
Check if the connectors are completely pushed into each other.

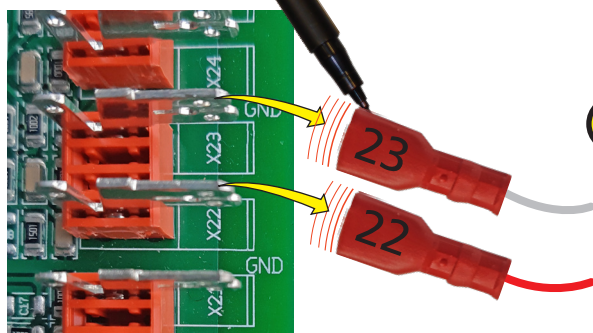


Check if the "J" numbers on the plugs, correspond with the laser burned ones.

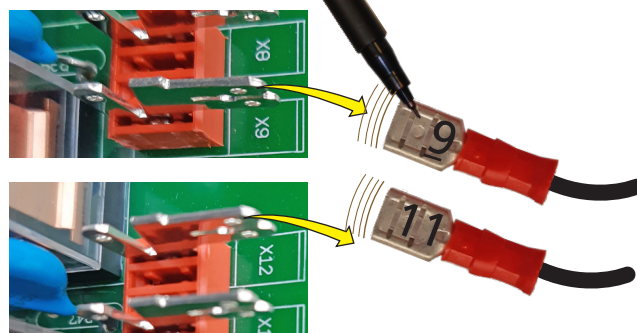
Do not forget !!!

Write the corresponding X numbers on the fasten connectors, when disconnecting !!!!!

Example X22 and X23 from the PT1000 sensor



Example X9 (Heater contactor)
X12 (Fan in Hood)

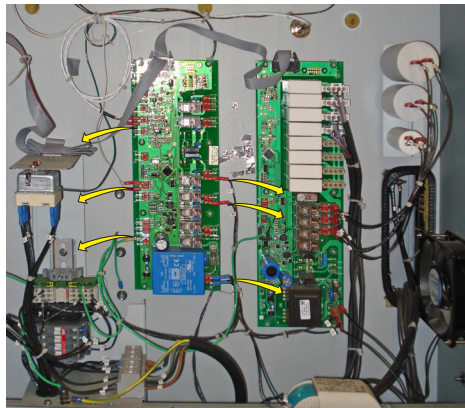


Conversion of the STO-i

Disconnect the mains power.

Remove the service panel.

Disconnect all wires and number them with the "X" numbers.



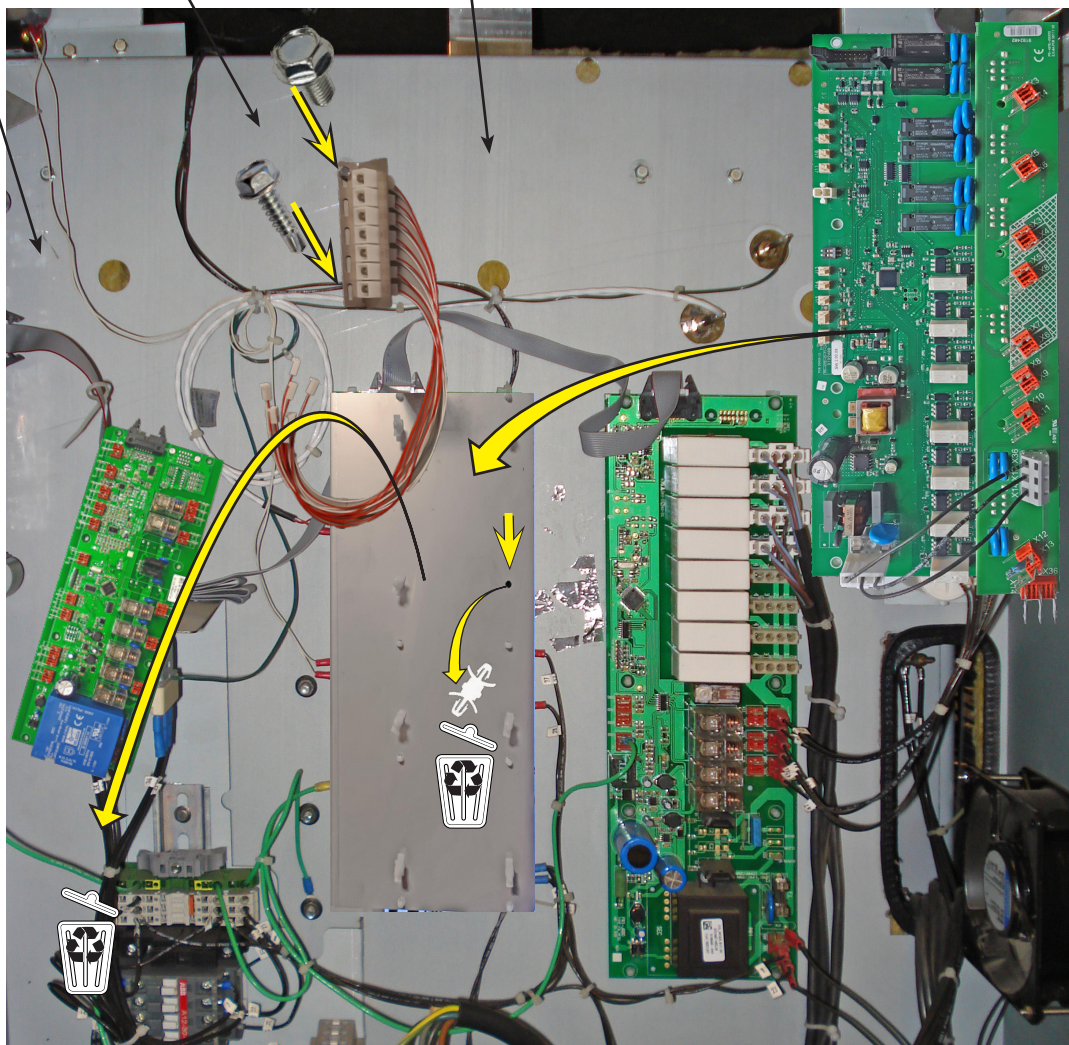
Remove the power&I/O board.

Mount the assembled bracket. (optionally with an additional self-drilling

and tapping screw.

Remove one spacer

Mount the new board assembly.



Connect X22, X23 and X28, X29 (PT1000 sensor and door switch)

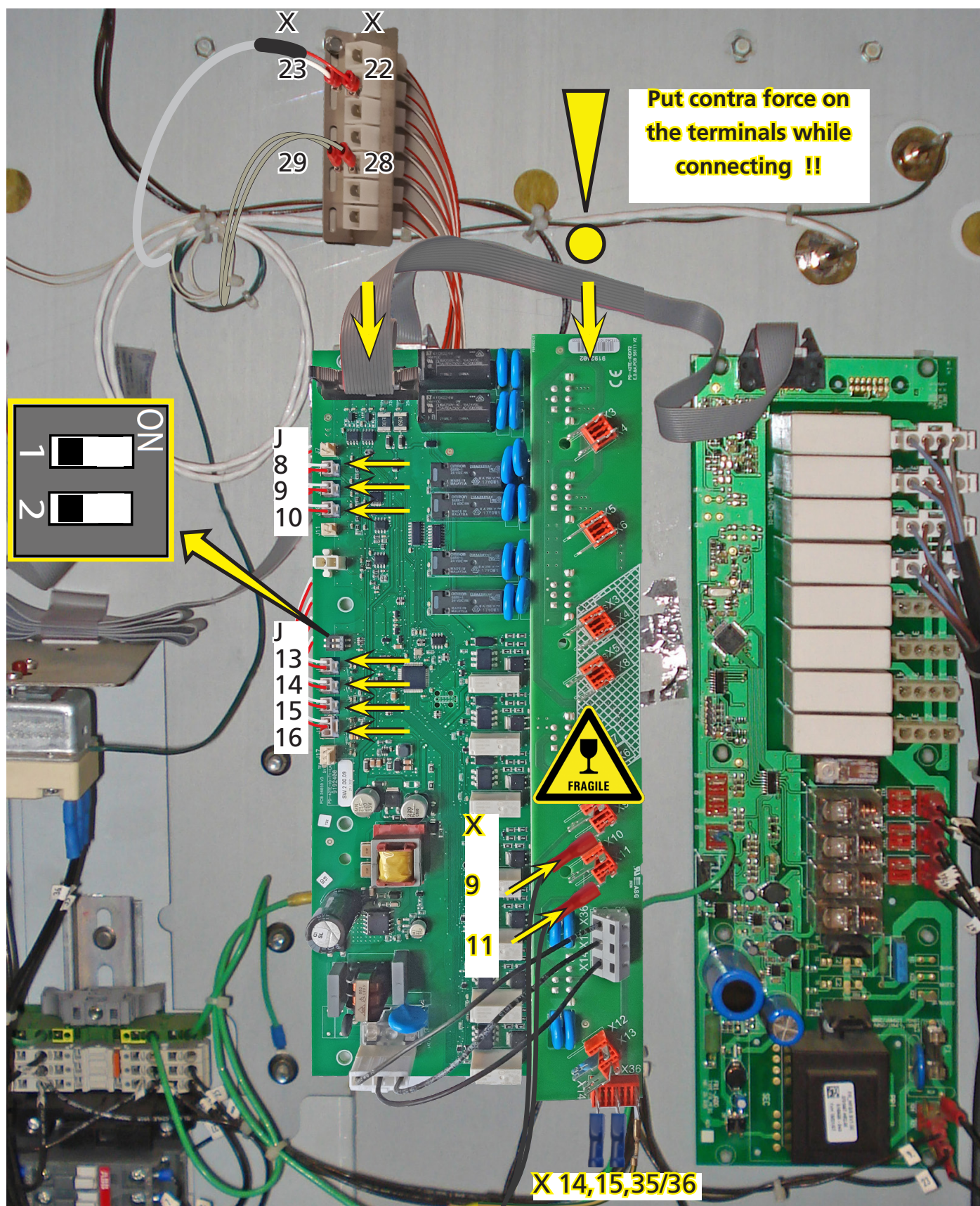
Set the dip switches in the OFF position.

Connect the "J" input connectors.

Connect the ribbon cable.

Connect the outputs and power wiring.

X11 and 12. and X14,15, (35)36

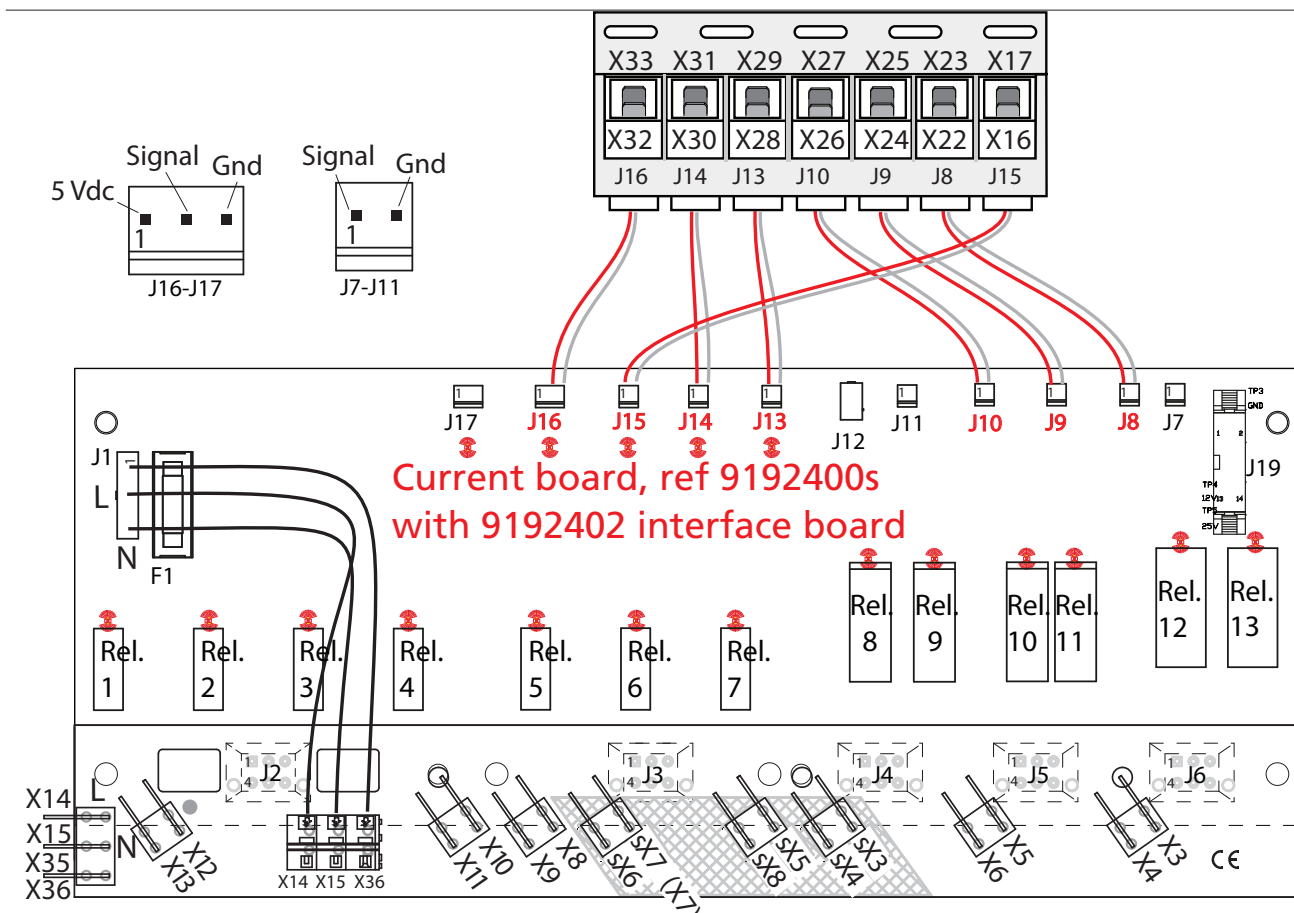
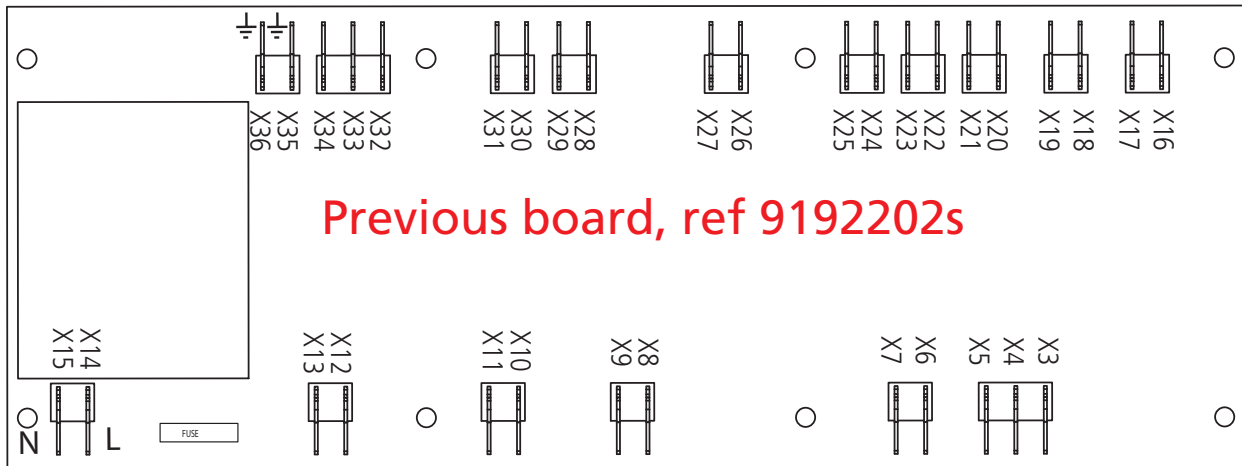


Connect the mains power and upgrade the software, if applicable.
Check all inputs and outputs by means of the I/O test facility in the service parameters.
If everything ok, then remount the side panel.



Overview of board terminals

Leave this sheet in the oven, next to the electric diagrams for future trouble shooting.



Electrical diagram of the new board assembly.

