

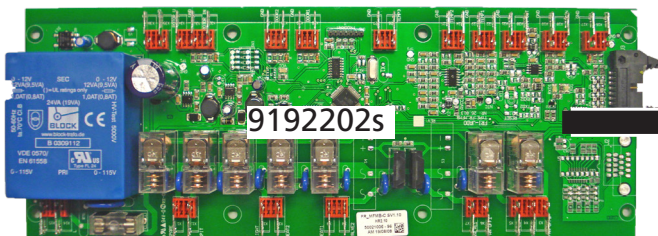
Conversion to new generation Power&I/O board in the ACR

BS10 i



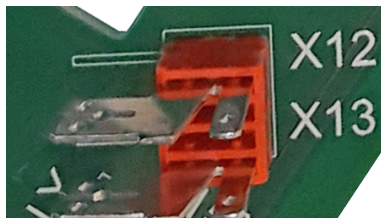
The below 9192202s board is no longer deliverable. This because some components became obsolete

The below 9192400 board will replace it

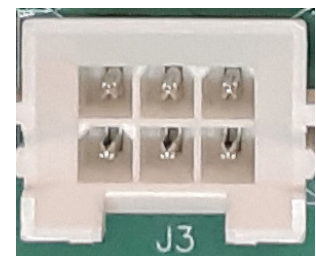


Old boards have spade terminals

New boards have multi pole sockets

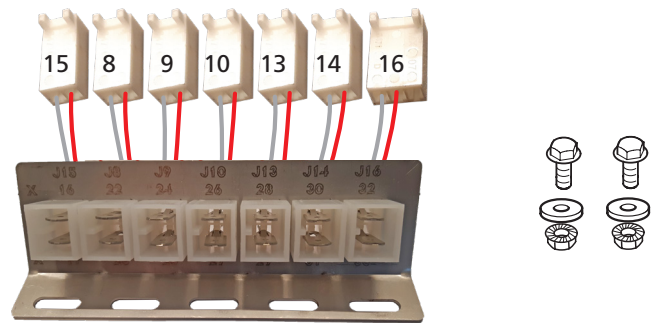
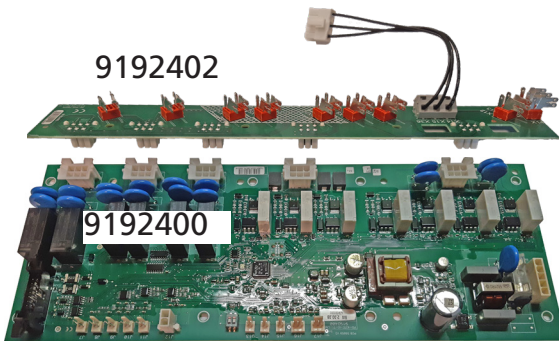


"X" numbers to "J" numbers



The kit comes with:

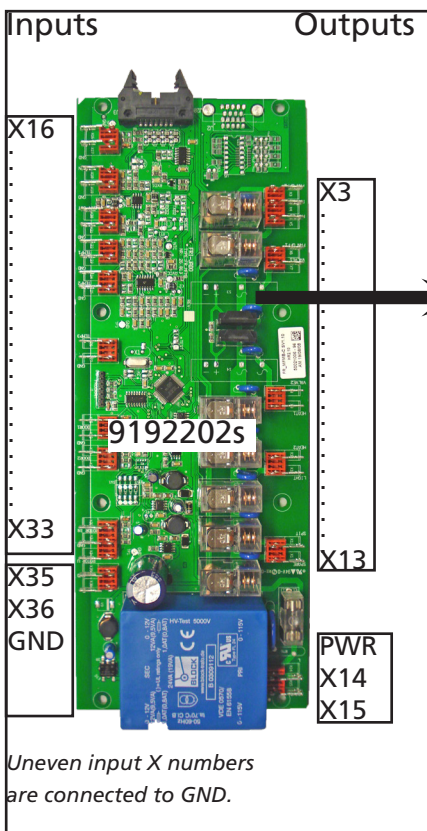
- ➔ An interface board 9192402 to convert the output wiring.
- ➔ A bracket with wiring to convert the input wiring.
- ➔ Mounting material.



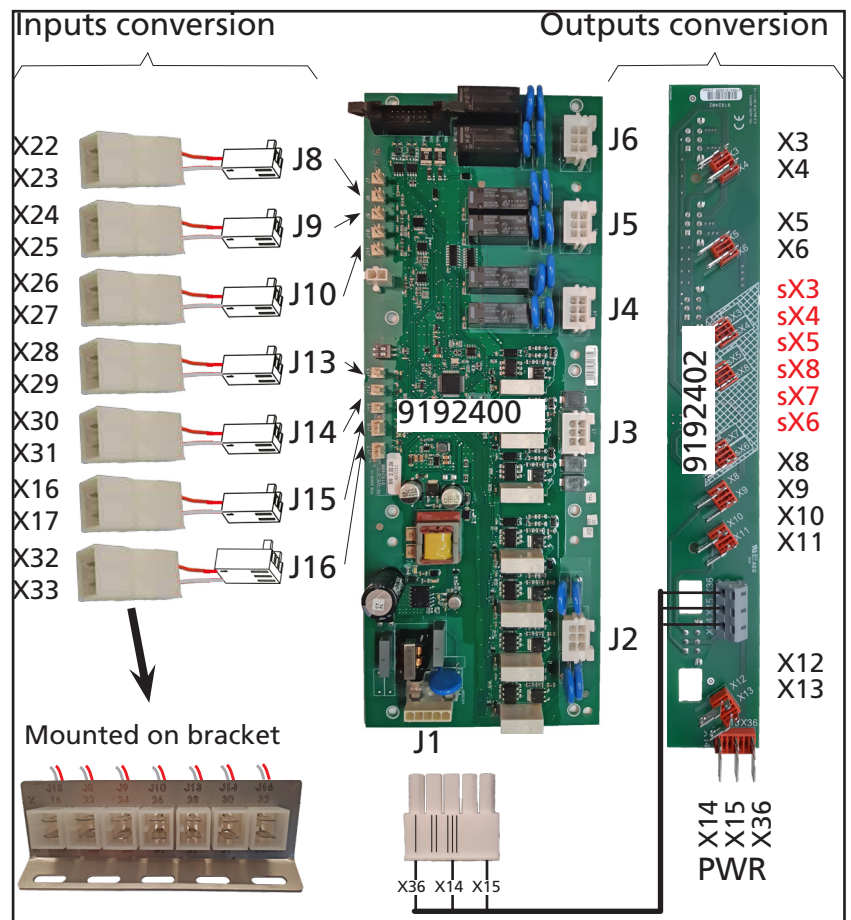
The principle

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

Old board connections.

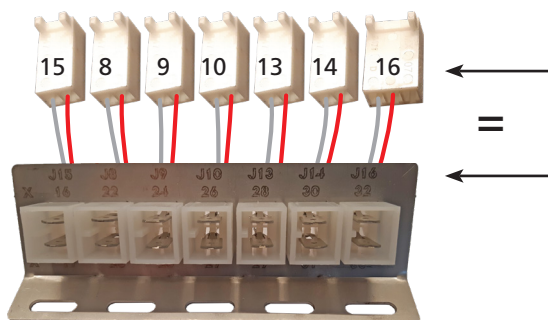
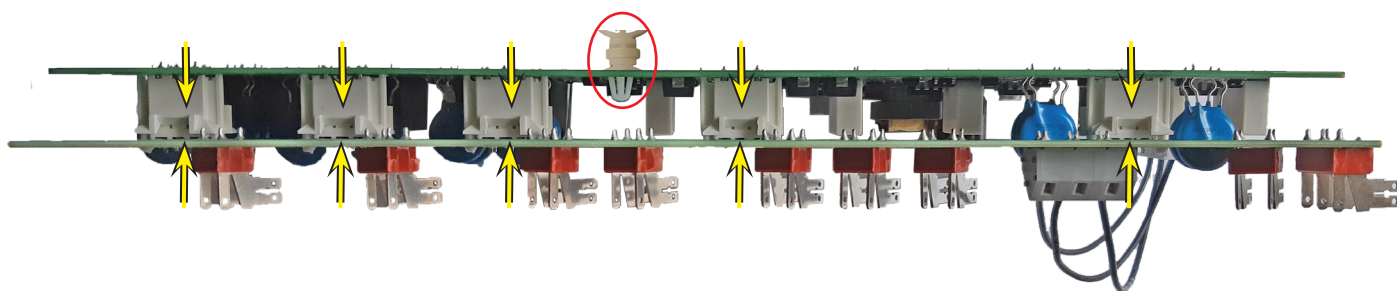


New board with conversion



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.

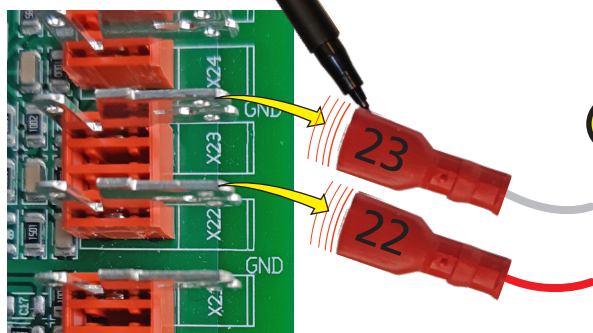


Check if the "J" numbers on the plugs, correspond with the laser burned ones.

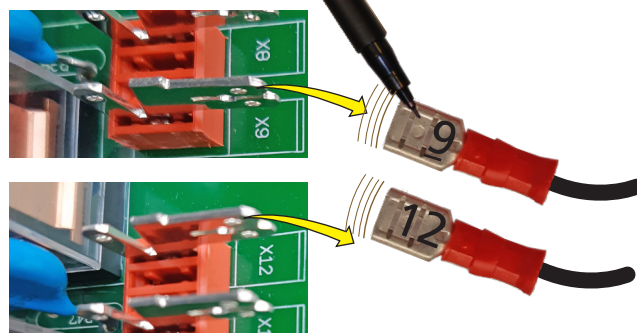
Do not forget !!!

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

Example X22 and X23 from the PT1000 sensor



Example X9 (Heater contactor)
X12 (Rotor motor)



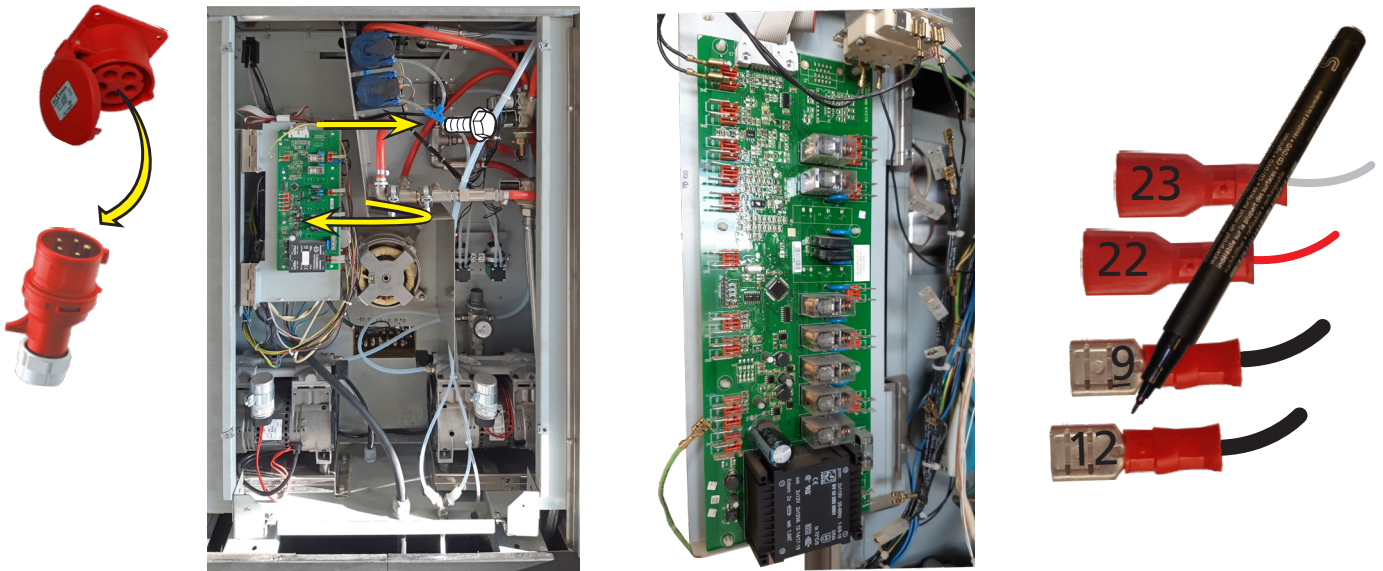
Conversion of the ACR

Disconnect the mains power.

Remove the service panel.

Unscrew the screw and turn the I/O board outwards.

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



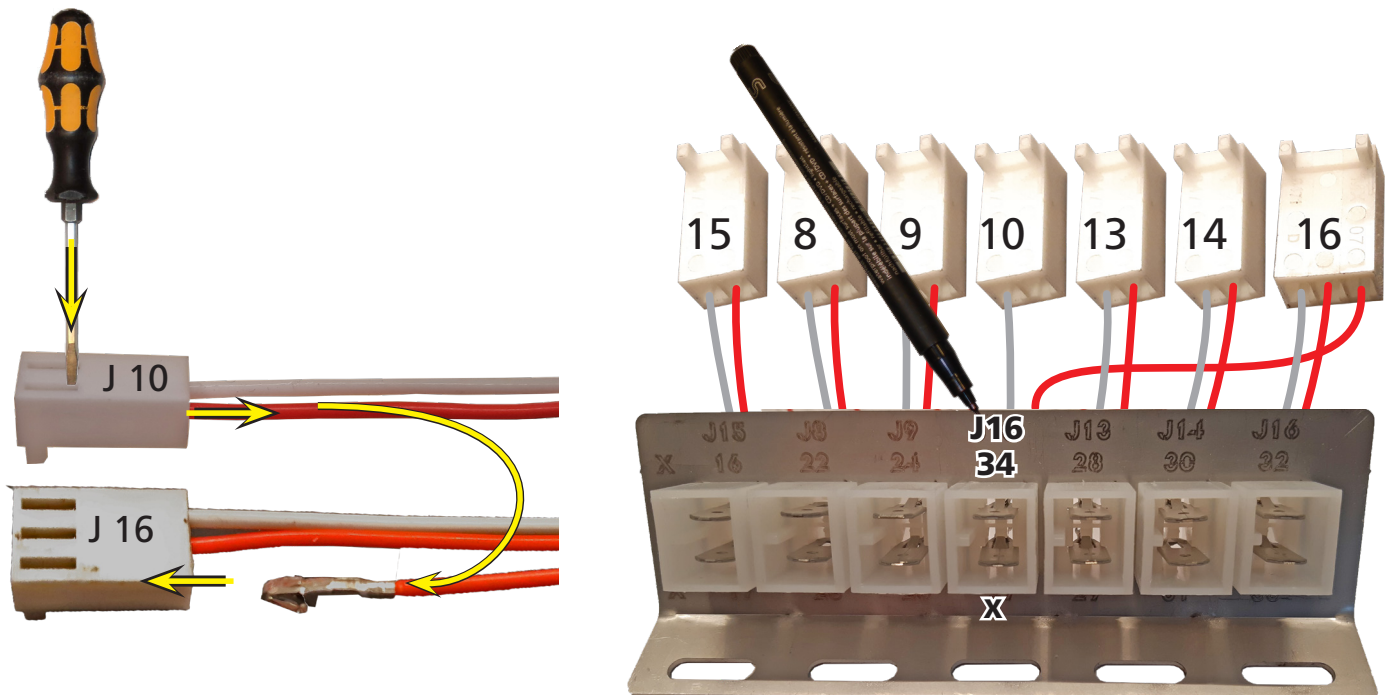
Convert the inputs bracket

- Push down the barb with a small screw driver and pull out the red wire from J10.
- Push the wire in the empty position of J16 and check if it is fixed. Adjust the barb if necessary.

Rename J10 into J16.

Rename X26 into X34.

Cross out X 27.



Remove the power&I/O board.

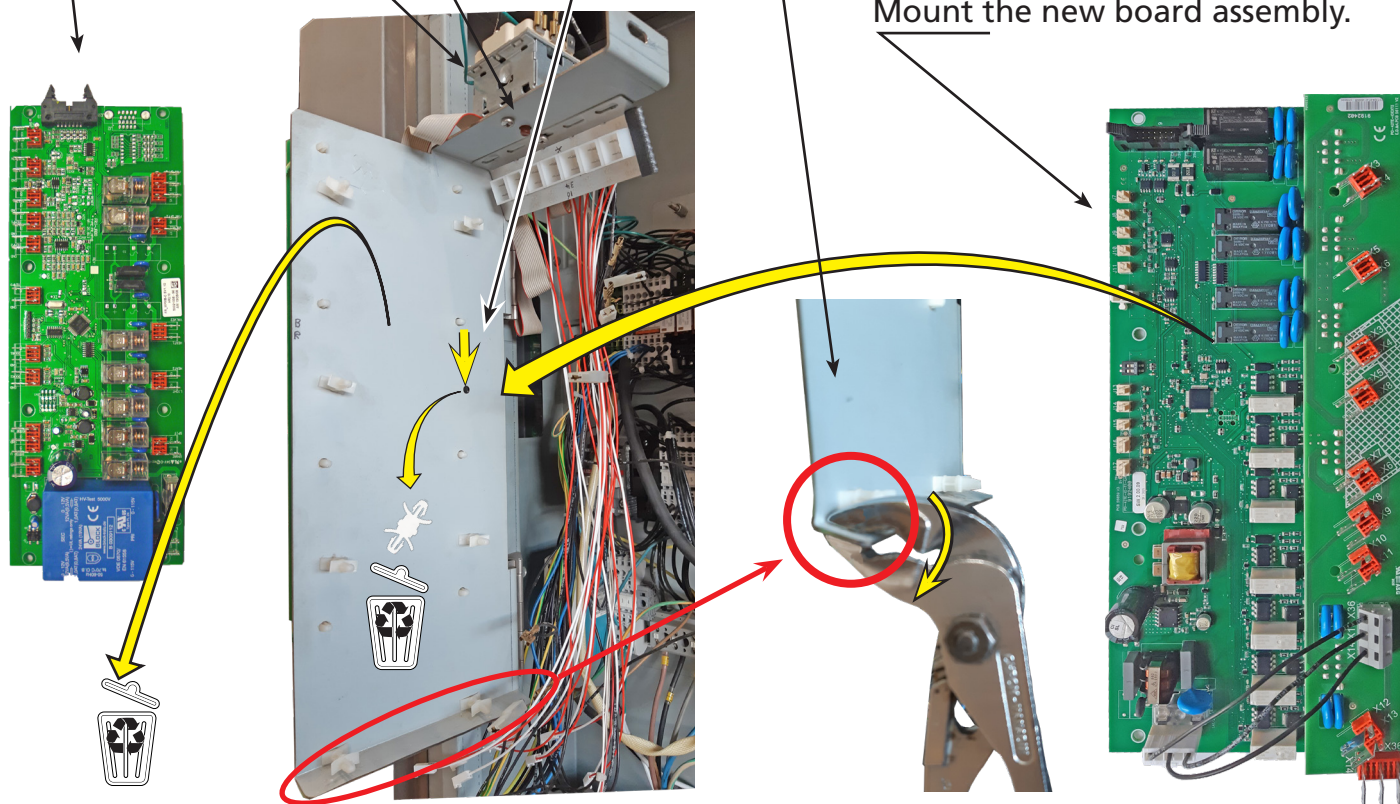
Move the hi-limit thermostat to the upside. Extend wires if necessary.

Mount the assembled bracket as well.

Remove one spacer.

Bend the plate a little.

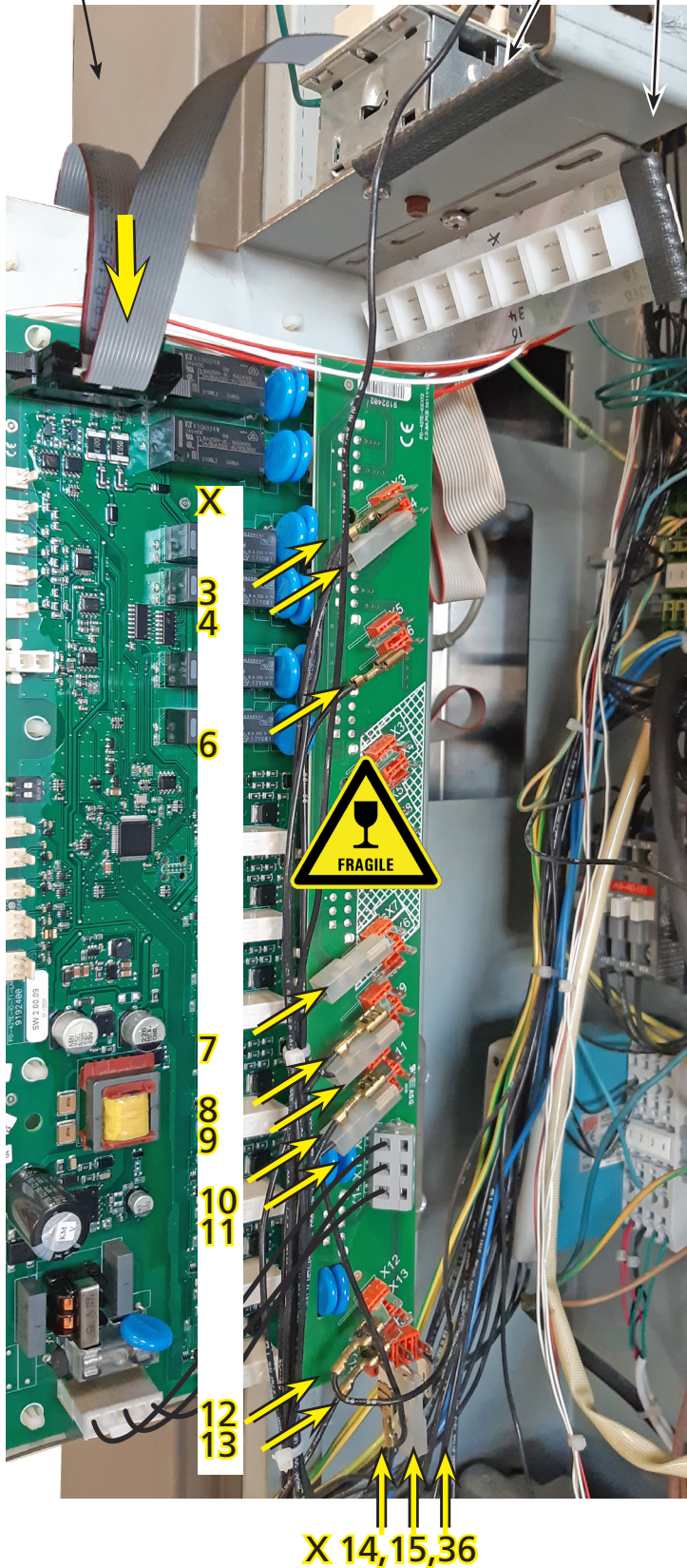
Mount the new board assembly.



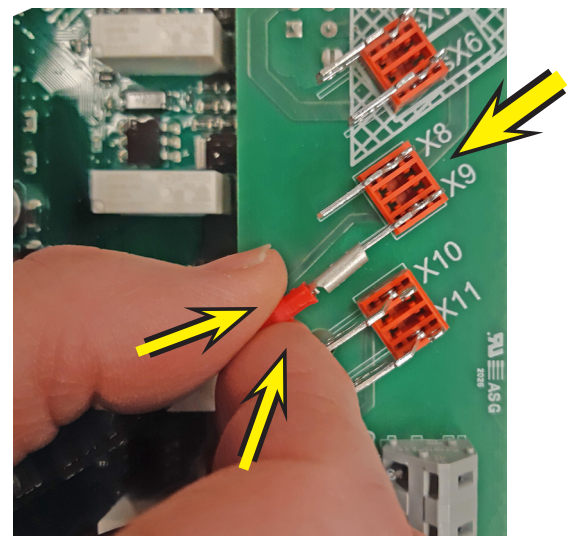
Connect the ribbon cable.

Connect the outputs and power wiring. X 3,4, 6-13. and X14,15, (35)36

Mount 2 protecting strips.



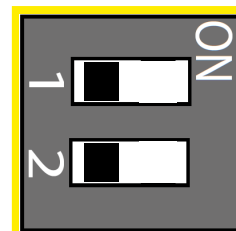
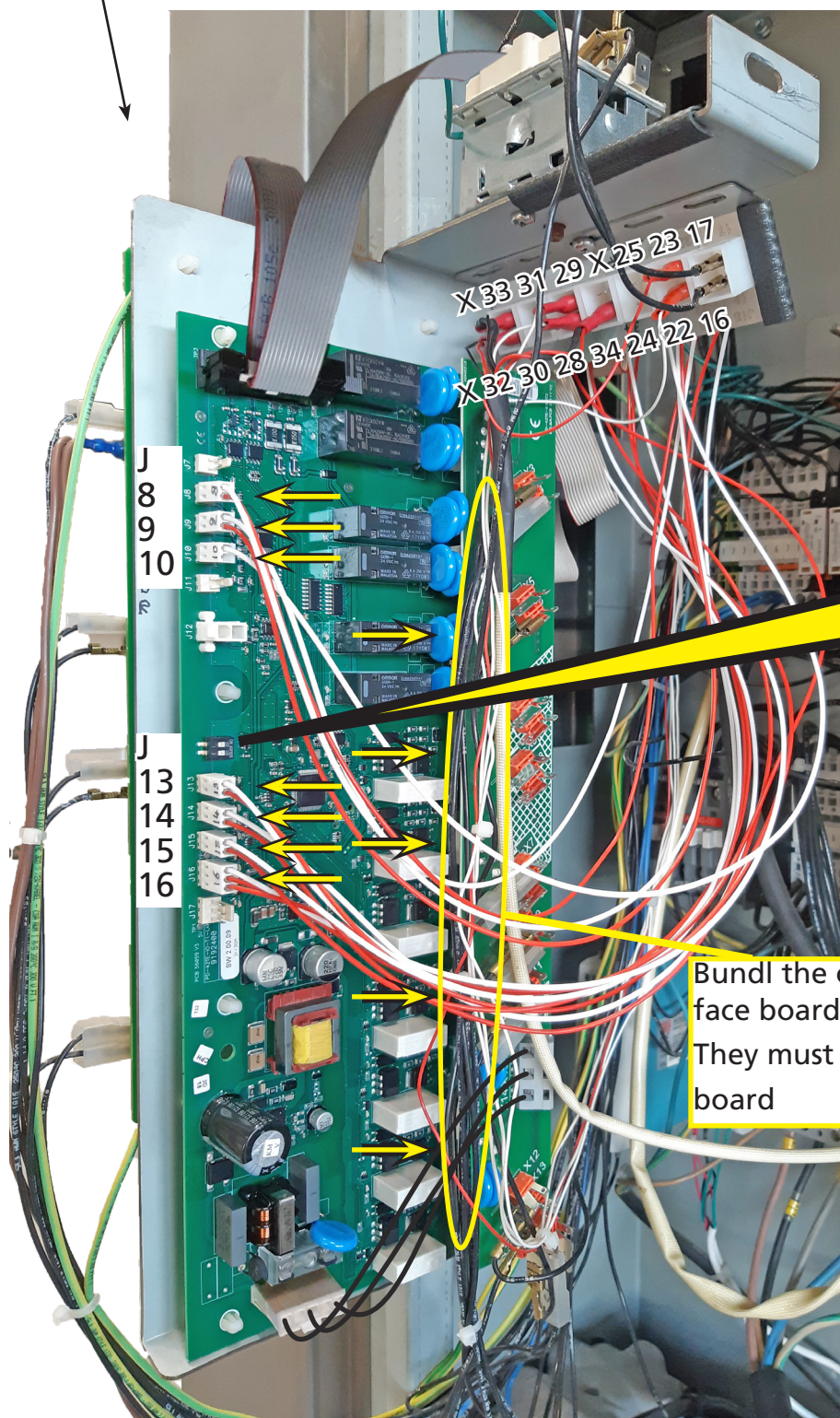
Put contra force on the terminals while connecting !!



Connect the "J" input connectors.

Connect the inputs "X" wiring

Set the dip switches in the OFF position.



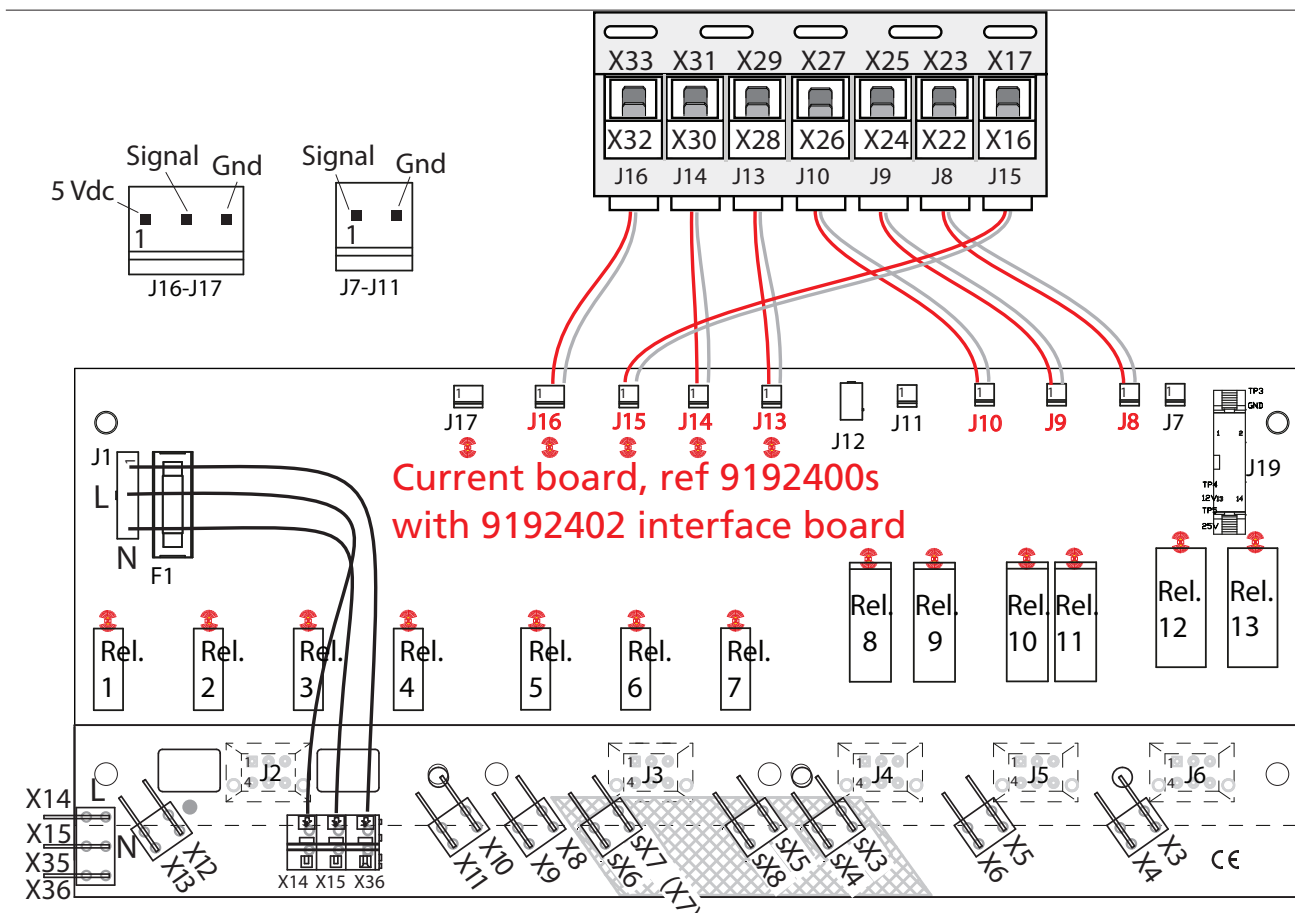
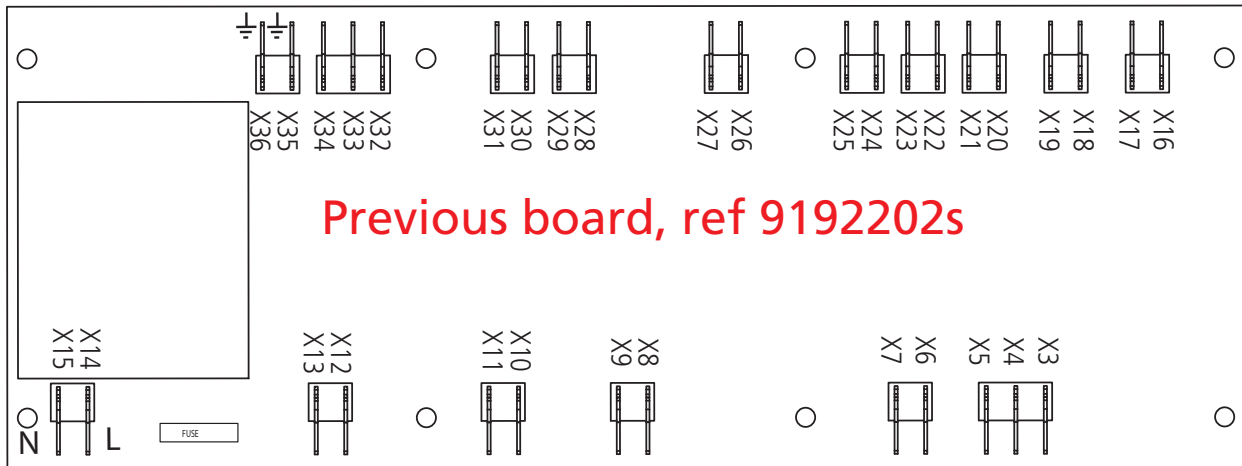
Bundle the outputs wires close to the interface board.
They must not fan out above the power board

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.

