

Scope of this work instruction:

Applicable for: national / international
 Subject: WIESHEU service engineer (partner)

Application of the work instruction:

- Fault or repair
 - Deployment following a repair order

Applies to:

This work instruction applies to the following appliances:

- Euromat EM [Comfort control unit]
- Euromat 64 [IS 600 E control unit]
- Dibas 64 [Classic, Comfort, Exclusive control unit]
- Dibas 64 blue [Exclusive, Wtouch control unit]
- Minimat 43 + 64 [Comfort control unit]
- Ebo 64 + 68 + 86 + 128 [Classic, Comfort, Exclusive control unit]

Description:

The component or assembly will only be replaced if it is defective.

This work instruction describes how to replace the following component or the following assembly:

- Power board 400 V with the following item numbers:
 - 9030-330-003
 - 9030-330-020
 - 9030-330-022

The replacement of the power board is standardised for all versions listed above.

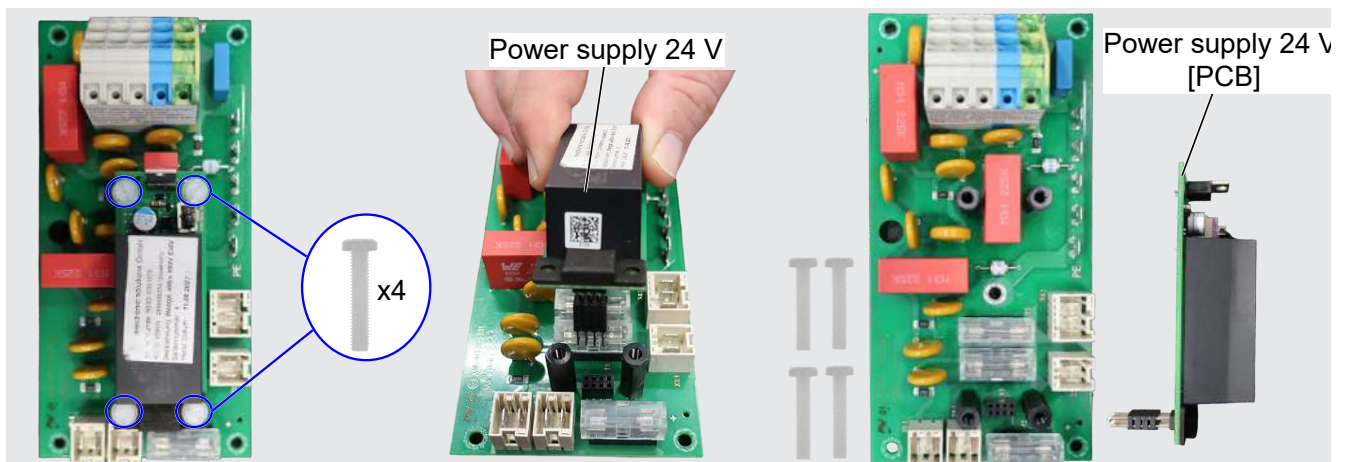
- Use the power board with the following item number:
 - 9030-330-025
 - 9030-330-030

Fault description:

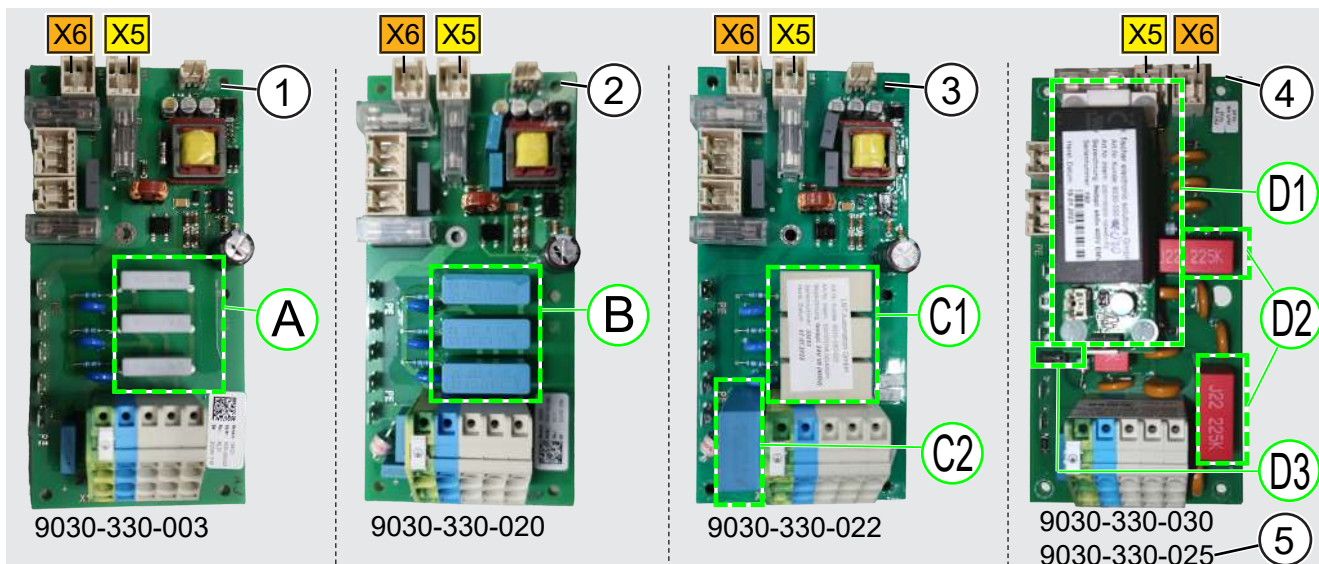
- Oven does not work.
- The control unit display is dark.

Spare parts

Description of the power board 400 V



Overview of the existing and new power boards 400 V



No.	Used in	Designation	Feature
1	Minimat	A	3x condenser grey, narrow
2	Ebo, Dibas 64, Dibas 64 blue, Euromat 64	B	3x condenser blue, wide
3	Euromat 64, Dibas 64, Dibas 64 blue	C1 C2	3x condenser grey, wide + 1x condenser blue, wide
4	Minimat, Ebo, Euromat, Dibas 64, Dibas 64 blue	D1 D2 X5 D3	1x additional board with power supply 24 V 3x condenser red, wide X5 and X6 order swapped Connection socket for voltage test, interruption for high voltage test, not relevant for service
5	Minimat, Ebo, Euromat, Dibas 64, Dibas 64 blue	No fig. X5	1x additional board with power supply 24 V 3x condenser red, wide X5 and X6 order swapped

AIDS/TOOLS

Socket wrench size 7

Screwdriver, flat



⚠ DANGER
RISK OF ELECTRIC SHOCK!

Risk of electric shock on live parts

- Before starting work, switch off the on-site fuse and disconnect the mains plug.
- If necessary, unplug all signal connectors in the device rear wall.
- Secure the appliance against reactivation.

NOTICE

Technical damage due to incorrect installation conditions

- Use suitable electric tools.
- Observe ESD measures.

INFORMATION

In addition to the safety instructions listed here, the safety instructions in the training documentation 9422-100-014 apply. Training on these safety instructions has been provided and they must be observed. Service engineers from WIESHEU GmbH (national/international) have confirmed compliance and implementation with their signature.

All illustrations of spare parts, tools, aids, etc., used are examples only. Illustrations may differ from the actual appearance. In general, a spare part is clearly defined by the article number.

PREPARATION AND CONNECTION DOCUMENTS

Safety information, life phases training documentation, document no. 9422-100-014



WORK STEPS

Preparing the in-store baking oven

- Disconnect the in-store baking oven from the power supply.
- Secure the appliance against being switched on again.
- Check and ensure it is no longer live.

INFORMATION

The service manual shows how to replace the power board using the Euromat 64 as an example. Only access to the power boards for all affected appliances is shown. Removal and installation is completed in the same way for all affected appliances.

Dibas 64/Dibas 64 blue

TOOLS

Hexagon socket wrench insert WAF 5

Hexagon socket wrench insert WAF 7

Screwdriver, flat

Open the controller housing.

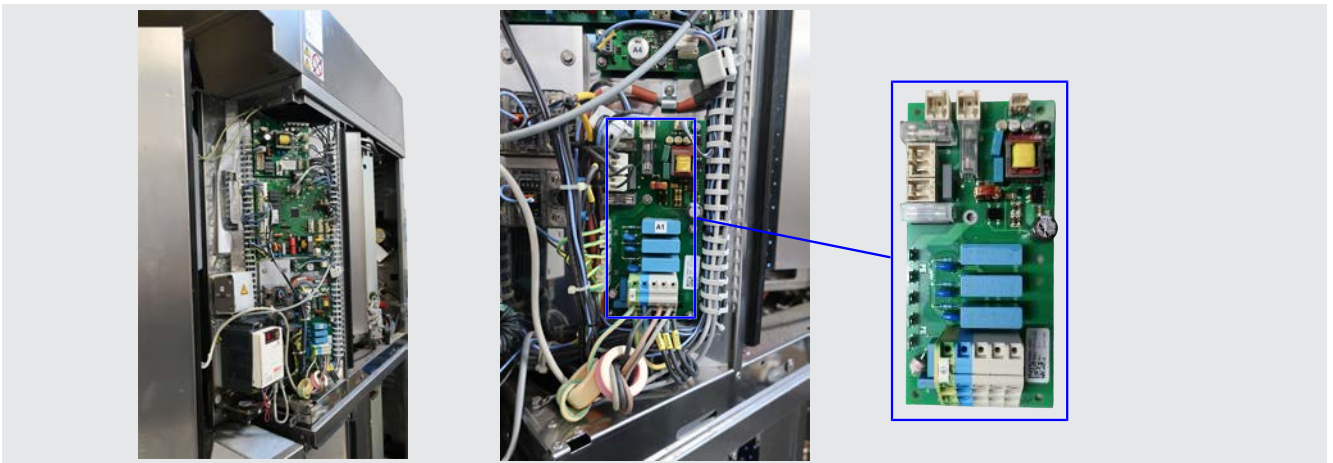


- Turn 2x screws on the latch hook clockwise.
 - The latch hook opens.
- Pivot the control housing forwards.

Removing the side panel [right-hand side]



- Loosen and remove 1x screw for the side panel latch.
 - Retain the fasteners, these will be used again.
- Pull out the side panel latch as far as it will go.
- Pivot open the side panel from below.
- Remove the side panel downwards.



- The power board is accessible.
- Remove and install the power board as described for Euromat 64.

Minimat

TOOLS

Hexagon socket wrench insert WAF 2.5

Making the electric actuator accessible



- Remove 1x screw
 - Minimat electric actuator right-hand side cover.
 - Minimat electric actuator left-hand side cover.

- Remove 2x screws.
 - Minimat rear cover.
- Lift the front panel slightly and pull it out towards the front.
- Push the electric actuator cover backwards.
- Lift off the lid.



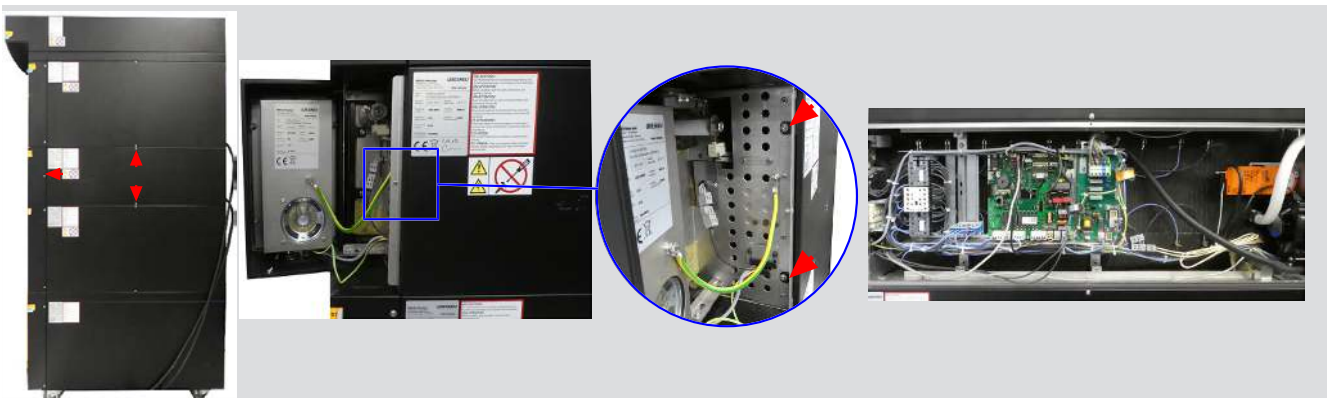
- The power board is accessible.
- Remove and install the power board as described for Euromat 64.

Deck oven

TOOLS

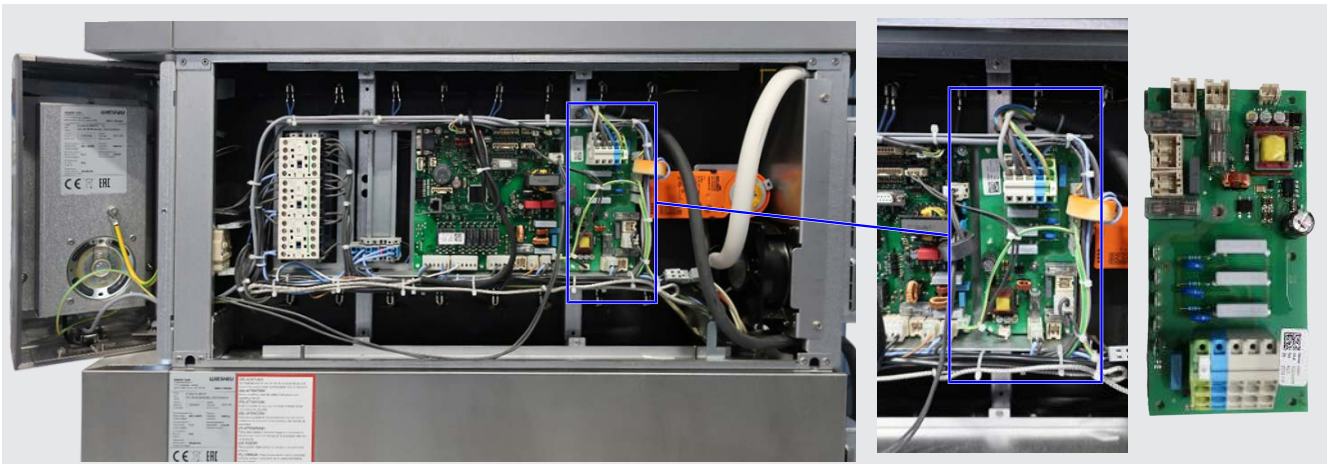
Hexagon socket wrench insert WAF 7

Hexagon socket wrench insert WAF 2.5



- Open the controller housing.
 - Remove 1x hexagon socket screw (2x screws for L chamber).
 - Swivel the controller housing open.
- Remove the side section.
 - Remove 2x hexagon socket screws on the outside of the side section.
 - Remove 2x hexagon socket screws on the inside of the control housing.

– Swing open the side section to the side and push it out towards the rear.

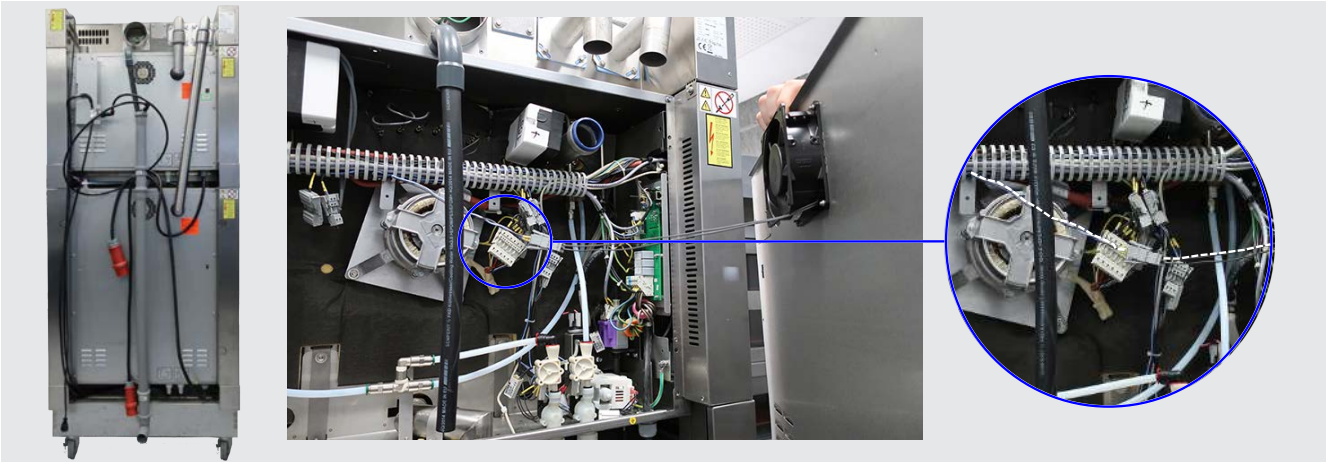


- The power board is accessible.
- Remove and install the power board as described for Euromat 64.

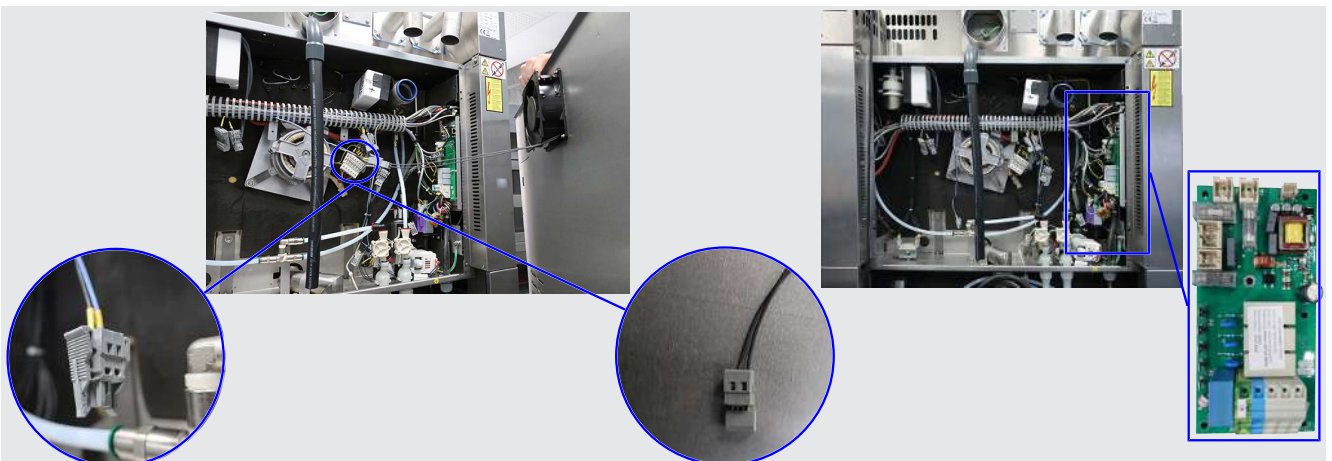
Euromat 64

TOOLS

Hexagon socket wrench insert WAF 8

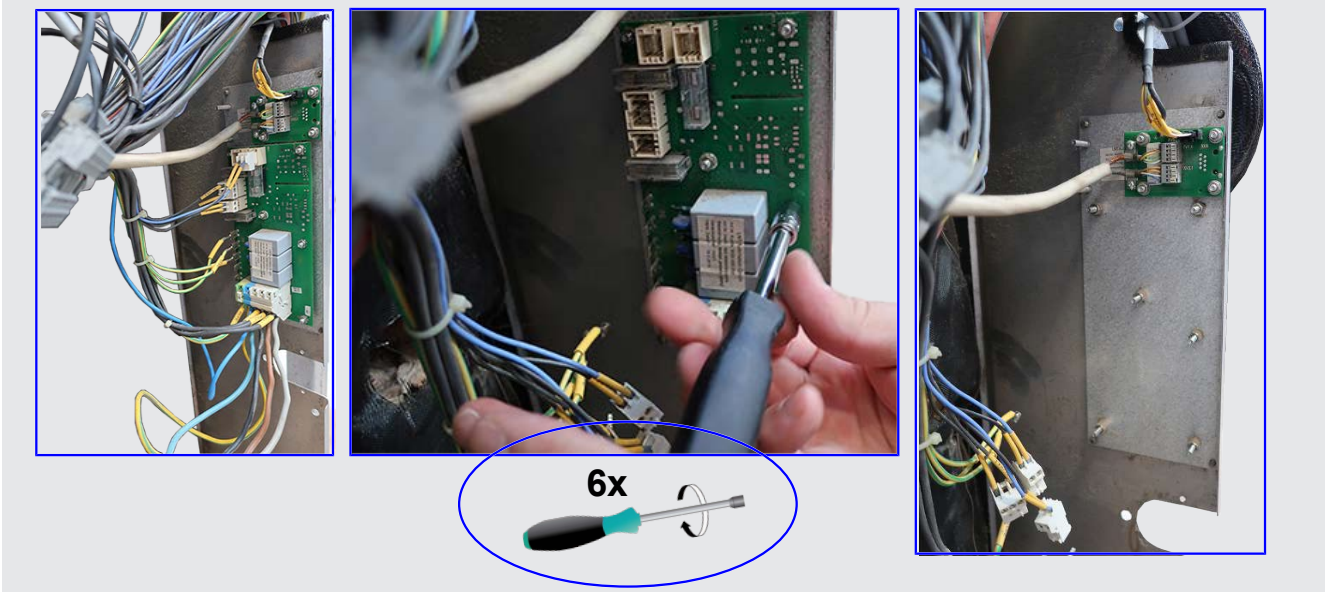


- Dismantle the water, waste water and exhaust air piping as required.
- Dismantle the water filter and water filter bracket.
 - Unscrew the water filter.
 - Loosen 2x screws on the water filter bracket.
 - Unhook the water filter bracket.
- Dismantle the rear wall from the baking oven.



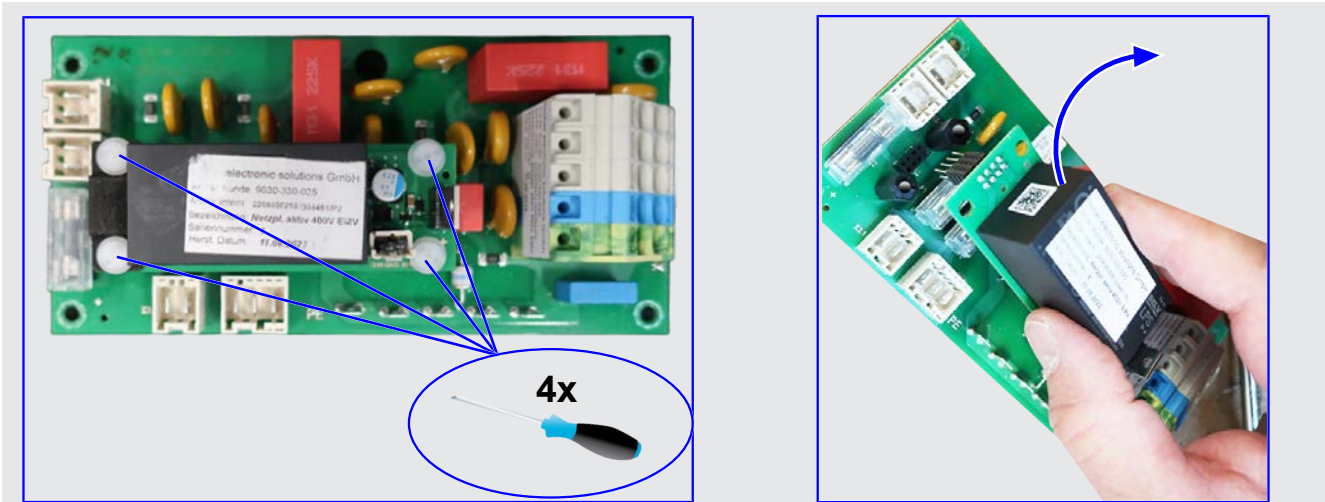
- Carefully swing the rear wall to the side.
- Disconnect the axial fan cable connection.
- The power board is accessible.

Removing the existing power board



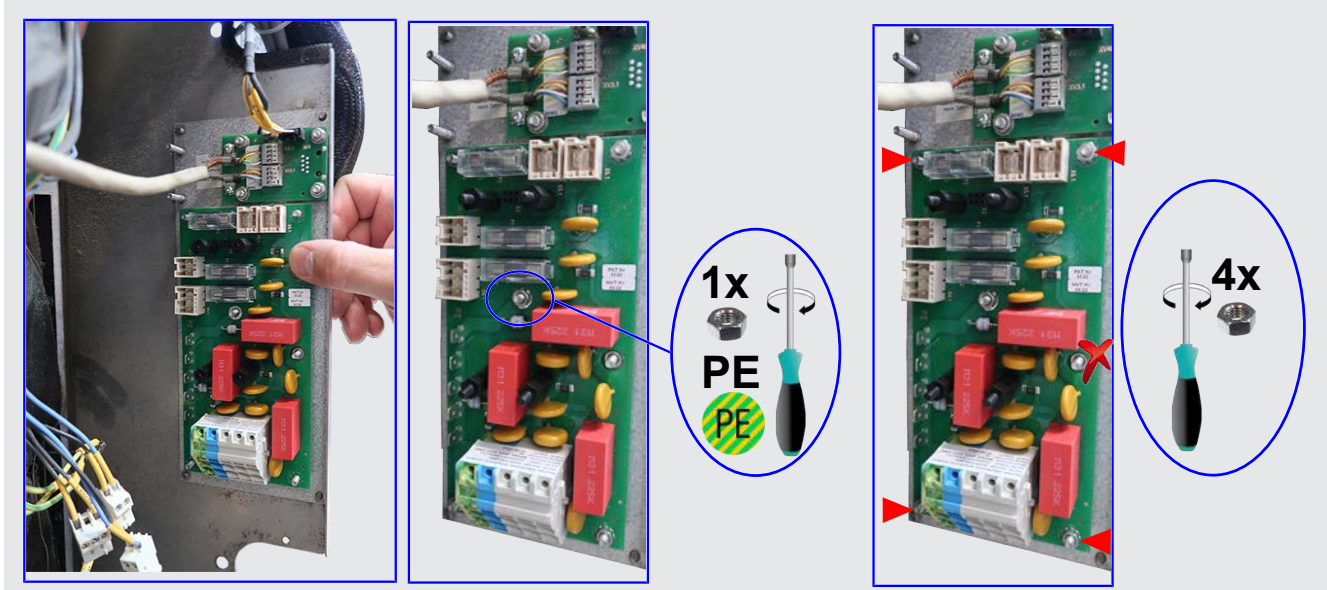
- Mark cables and plugs without labelling.
- Disconnect all cable connections on the existing board.
- Unscrew the fastening nuts with a socket spanner.
- Keep fastening elements in a safe place as they can be reused for the assembly if they are not damaged.
- Remove the PCB.
- Dispose of removed component in an environmentally friendly manner.

Preparing the power board (new) – Dismantling the additional board

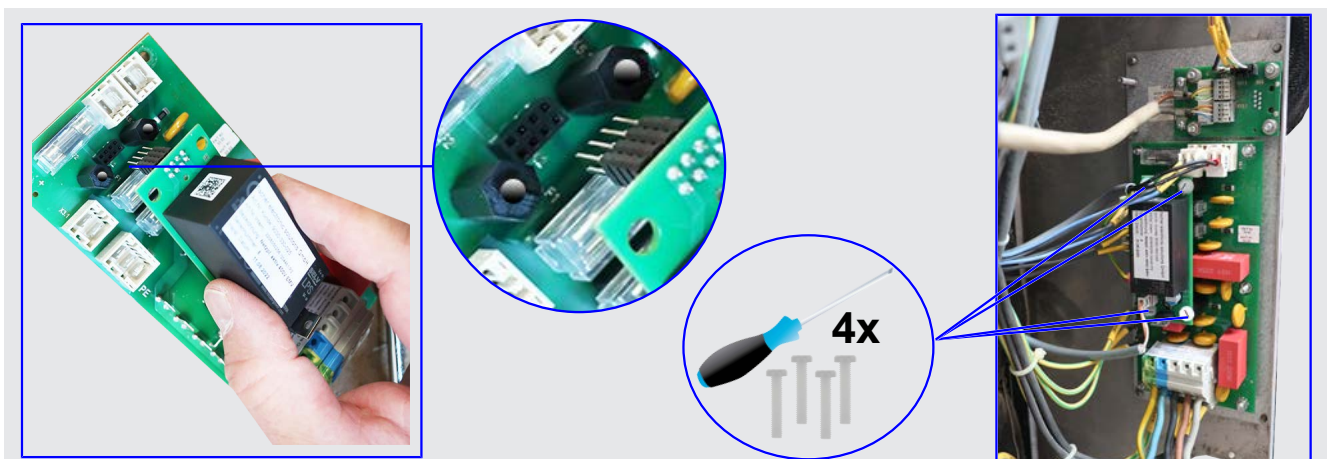


- Dismantle 4x plastic screws on the additional board.
- Carefully remove the additional board.
- Do not damage the contacts.

Fitting the power board and additional board (24 V power supply)



- Place the new PCB on the stud bolts.
- Fit 1x fastening nut for protective earthing.
 - Use the middle stud bolt (below the additional board).
- Fit 4x fastening nuts, in the corners of the board.
 - Leave the described stud bolt free.
 - Use the existing fastening nuts.



- Plug the pins of the additional board into the power board slot.
 - Caution! Do not damage the contacts.
- Ensure all pins are correctly plugged in.
- Fit the additional board on the power board using plastic screws.
 - Tighten the screw with the following torque:

	Torque: 3.0 Nm
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- Reconnect all cables.
- Short designations are included on the cables and plugs.
- Short designations are included on the PCB.

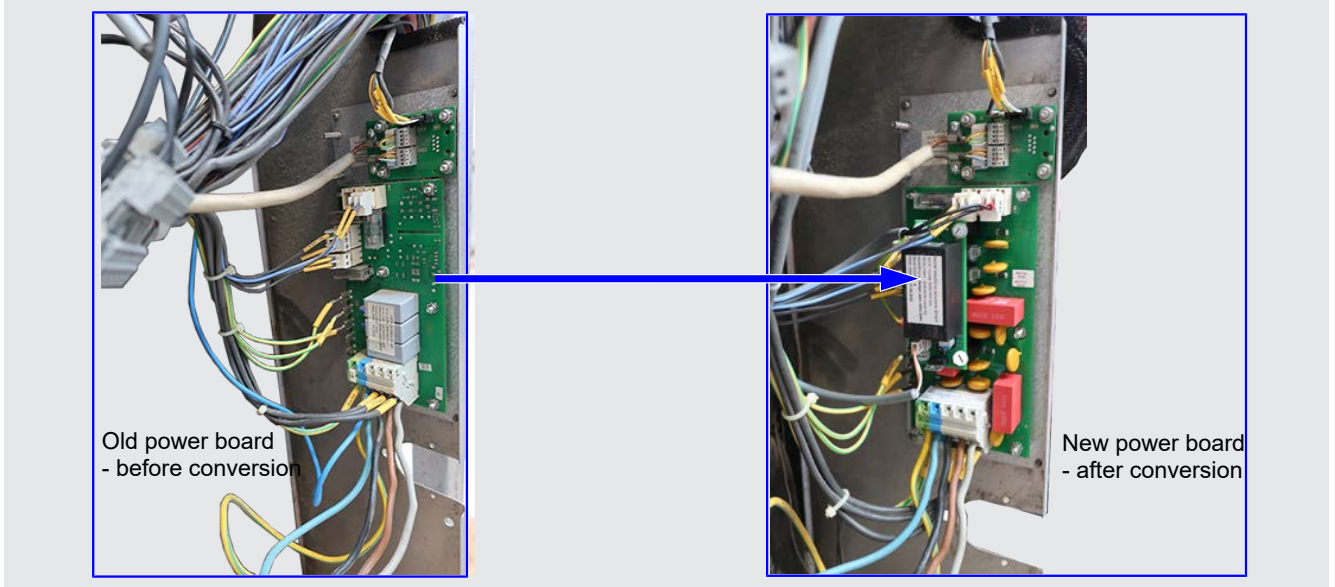
NOTICE

Technical damage if connected incorrectly.

ATTENTION: X5 and X6 order swapped.

- If the connection is reversed, fuse F2 is triggered.
- Note the labelling.
- Make the correct connection.

INFORMATION



This conversion can also be used for passive power boards.
 In this case, the 24 V power supply for the base PCB is still provided by the FU board.

Complete the service callout.

- Close open installation spaces.
- Connect separate pipework.

 **FUNCTION TEST**

- Connect the in-store baking oven to the power supply.

NOTICE

- Carry out an appliance test in accordance with the relevant national regulations, e.g. according to DIN VDE 0701-0702.
- Document the appliance test.

- Carry out a test run.
- Check and ensure that the fault has been eliminated.