MI_2421: Heating coil with graphite gasket and heating coil latch - replacement

iHexagon

40 min.

See below under “Required tools”

21/09/2026

Topic

These modification instructions describe the removal and installation of the heating coil in an iHexagon with graphite gasket and heating coil latch.

Affected appliances

iHexagon

Required tool

- Standard
- Hose clamp pliers

Required protective equipment

- safety gloves

Required components

Depending on the voltage variant, one of the following two articles is required.

- For units with a voltage of **400 - 415 V**, use article **87.01.945S**
- For units with a voltage of **200 - 208 V**, use article **87.01.946S**
- For units with a voltage of **220 V**, article **87.02.085S**

Article 87.01.945S

Component	Article number	Number
Heating coil 230 V, 17 kW	46.00.235	1
Heating coil latch cpl.	46.00.893	1
Heating coil gasket (graphite gasket)	46.00783	1
Moistening nozzle with guide	50.02.004	1
Union nut M10x1	50.02.005	1
PEEK moistening tubes	50.02.006	1
Hose NW6	50.02.321	1

Component	Article number	Number
Hose clamp 10-16x9 mm SW 7 mm	2066.0205	2

Article 87.01.946S

Component	Article number	Number
Heating coil 208 V, 17 kW	46.00.376	1
Heating coil latch cpl.	46.00.893	1
Heating coil gasket (graphite gasket)	46.00783	1
Moistening nozzle with guide	50.02.004	1
Union nut M10x1	50.02.005	1
PEEK moistening tubes	50.02.006	1
Hose NW6	50.02.321	1
Hose clamp 10-16x9 mm SW 7 mm	2066.0205	2

Article 87.02.085S

Component	Article number	Number
Heating coil 220 V, 17 kW	46.00.907	1
Heating coil latch cpl.	46.00.893	1
Heating coil gasket (graphite gasket)	46.00783	1
Moistening nozzle with guide	50.02.004	1
Union nut M10x1	50.02.005	1
PEEK moistening tubes	50.02.006	1
Hose NW6	50.02.321	1
Hose clamp 10-16x9 mm SW 7 mm	2066.0205	2

General information

Information

Enter the component's installation at the service level (*Component Replacement* tab). This is an integral part of the maintenance history.

Target group

Installation, inspection, maintenance and repair work must only be carried out by trained technicians and technicians authorised by the manufacturer. In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Information

For more information, see the installation manual.

Installation position

Safety instructions

DANGER

High voltage when connecting to the mains power

Danger to life when working with high voltage.

- Disconnect from the power supply.
- Secure against unintentional switching on.
- Make sure the unit is disconnected from the power.

CAUTION

Sharp edges on the housing

Risk of cuts on the housing when working in the unit.

- Wear protective gloves.

Information

Observe regional and country-specific safety and testing regulations

The relevant regional, country-specific safety and testing regulations apply to all work on RATIONAL units. These regulations may vary by region and are country-specific and are therefore not listed separately in this document.

The technician is responsible for complying with these regulations.

Removal - heating coil

400 - 415 V

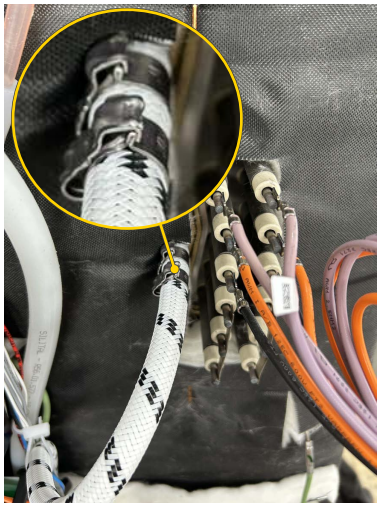
200 - 208 V & 220 V

- ✔ The unit is disconnected from the power.
- ✔ The left side panel is open.
- ✔ The cooking cabinet door is open.
- ✔ There are no cooking accessories in the cooking cabinet.

⚠ **CAUTION!**
Risk of burns. Hot surface in the cooking cabinet after operation.

- **Leave the cooking cabinet to cool down.**
- **Wear suitable protective gloves.**

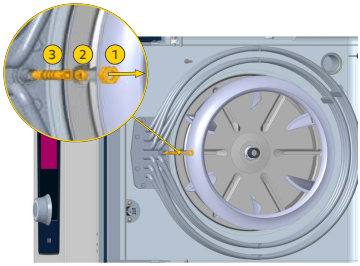
1. Make a note of the wiring for the heating coil. You will need to rewire the cables accordingly when **installing the heating coil, step 20**.
2. Disconnect all cables from the heating coil that are connected to the solid state relays (SSR) and terminal blocks.



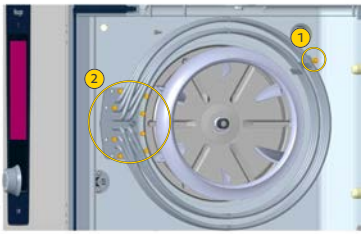
3. Open the 2 hose clamps on the moistening supply hose.
4. Disconnect the supply hose from the heating coil.

5. Remove the 2 cap nuts.
6. Remove the left hinging rack by swivelling it at the bottom towards the centre of the cooking cabinet.

7. Remove the 2 cap nuts.
8. Remove the air baffle by swivelling it on the underside towards the centre of the cooking cabinet.



9. Remove the union nut of the moistening nozzle (1).
10. Remove the moistening nozzle (2).
11. Remove the PEEK plastic tube (3).



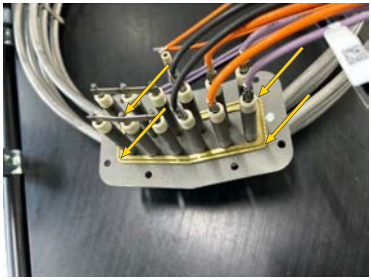
12. Remove the cap nut (1) from the heating coil.
13. Remove the 8 screws (2) from the heating coil.

NOTICE!
Take care not to knock against any of the heating coil wires.

14. Carefully pull out the heating coil.

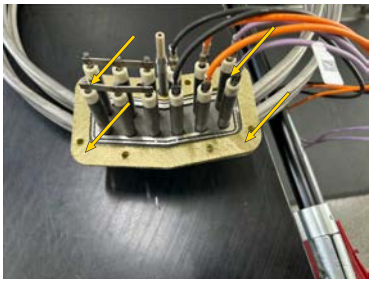
>> The removal of the heating coil with graphite gasket and heating coil latch is complete.

Installation - heating coil



- ✔ The unit is disconnected from the power.
- ✔ The left side panel is open.
- ✔ The cooking cabinet door is open.
- ✔ The heating coil has been removed.

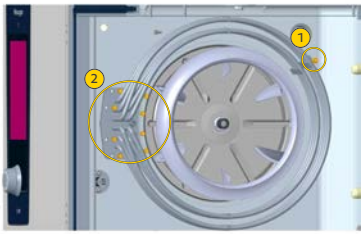
1. Carefully thread the new heating coil trap over the heating coil wires.
2. Slide the new heating coil trap up to the flange.



3. Carefully thread the new graphite gasket over the heating coil wires.
4. Push the new graphite gasket up to the flange.

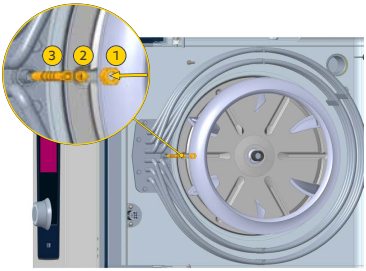
NOTICE!
When threading in the heating coil, take care not to damage the wires.

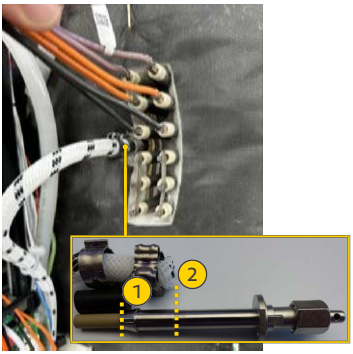
5. Carefully thread in the heating coil.



6. Screw the cap nut (1) onto the heating coil.
7. Slightly tighten all 8 screws (2) on the heating coil.
8. Tighten the 8 screws (2) on the heating coil.

> The heating coil is fixed.

	9. Insert the PEEK plastic tube (3). 10. Replace the moistening nozzle (2). 11. Tighten the union nut (1).
	12. Fit the air baffle. 13. Fasten the air baffle with the 2 cap nuts.
	14. Fit the left hinging rack. 15. Fasten the hinging rack with the 2 cap nuts.

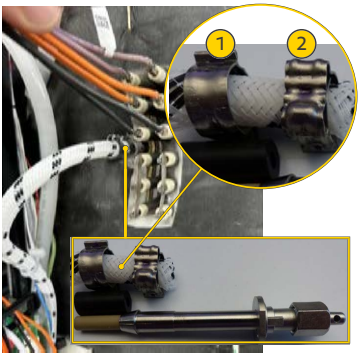


Information
You can use the silicone hose that was fitted previously, provided it is still in good condition. Otherwise, use the new silicone hose supplied.

16. Slide the black silicone tube over the PEEK plastic tube up to the dashed line (1).

NOTICE!
Only use the new hose clamps supplied with the unit to secure the inlet hose.

17. Slide the moistening supply hose with 2 hose clamps over the moistening nozzle up to the dashed line (2).



18. Clamp the hose clamp (1) at the height of the plastic tube.

Information
The black silicone hose must be fixed at the end of the plastic hose with the hose clamp (1).

19. Tighten the hose clamp (2) on the moistening nozzle.

400 - 415 V

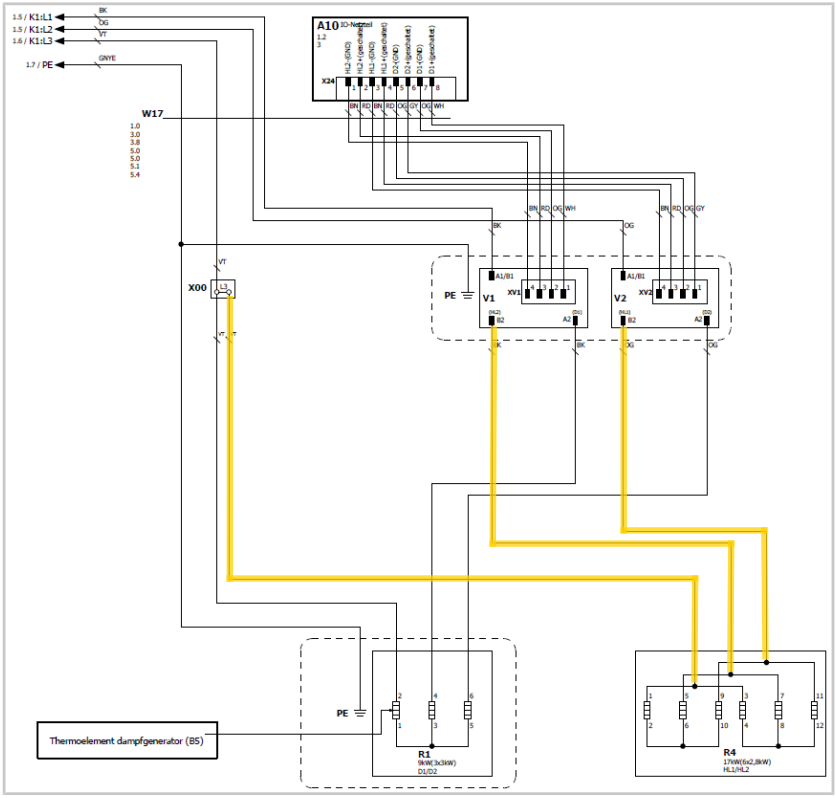
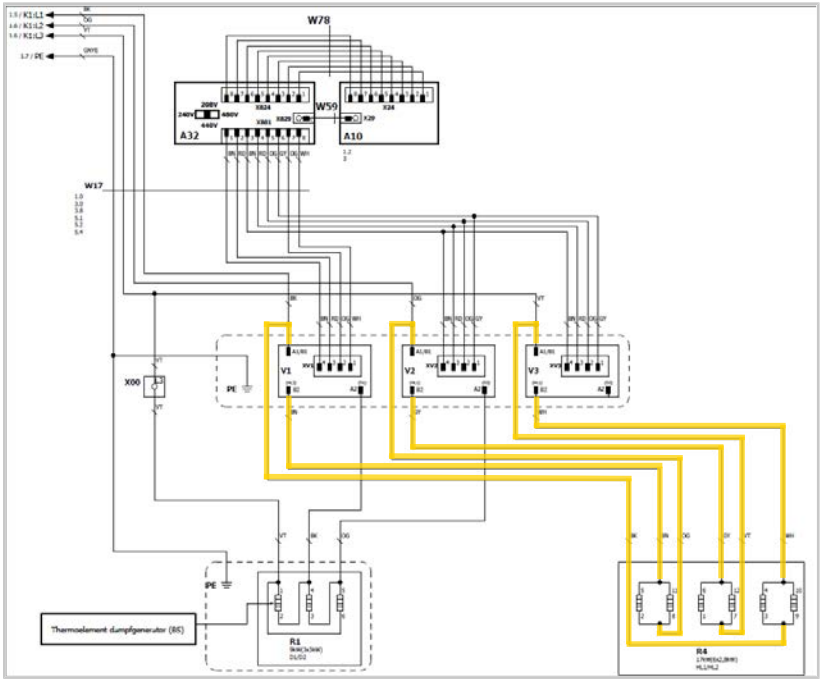
200 - 208 V & 220 V

20. Wire the wires from the heating coil to the solid state relays (SSR) and terminal blocks according to their voltage variant.
21. Check the wiring.

>> The installation of the heating coil with graphite gasket and heating coil latch is complete.

Overview - Heating coil circuit diagram

Heating coil circuit diagram 400 - 415 V:



Heating coil circuit diagram 200 – 208 V and 220 V: