Induction hob
EKIW 9850.0F

Küppersbusch

THE HEART OF A GOOD KITCHEN

GB

Service Manual: H1-TE-01

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Contents

1. Safety

Danger!

Repairs may only be carried out by a qualified electrician!
Improper repairs can be extremely dangerous for the user.

It is essential that you observe the following instructions in order to prevent electric shocks:

- The casing and the frame may be live in the event of faults!
- Touching live components inside the appliance may cause dangerous currents to flow through your body!
- Disconnect the appliance from the mains prior to carrying out any repair work!
- When inspecting live parts, a residual current circuit breaker must always be used!
- The earthed conductor resistance must not exceed the resistance specified in the standard! It is vital for ensuring the safety of persons and the functioning of the appliance.
- On completion of repairs, an inspection must be carried out in accordance with VDE 0701 [Association of German Electrical Engineers] or in accordance with the corresponding regulations for your country!
- Do not touch any of the components in the appliance. The modules are also live!
- Observe instructions on electrostatic hazards!

Attention!

Make sure you observe the following instructions:

- The appliances must be disconnected from the mains prior to all repairs. If inspections must be carried out on live appliances, make sure you use a residual current operated device.

Sharp edges: Use protective gloves.

Components may be electrostatic!
Observe handling precautions!

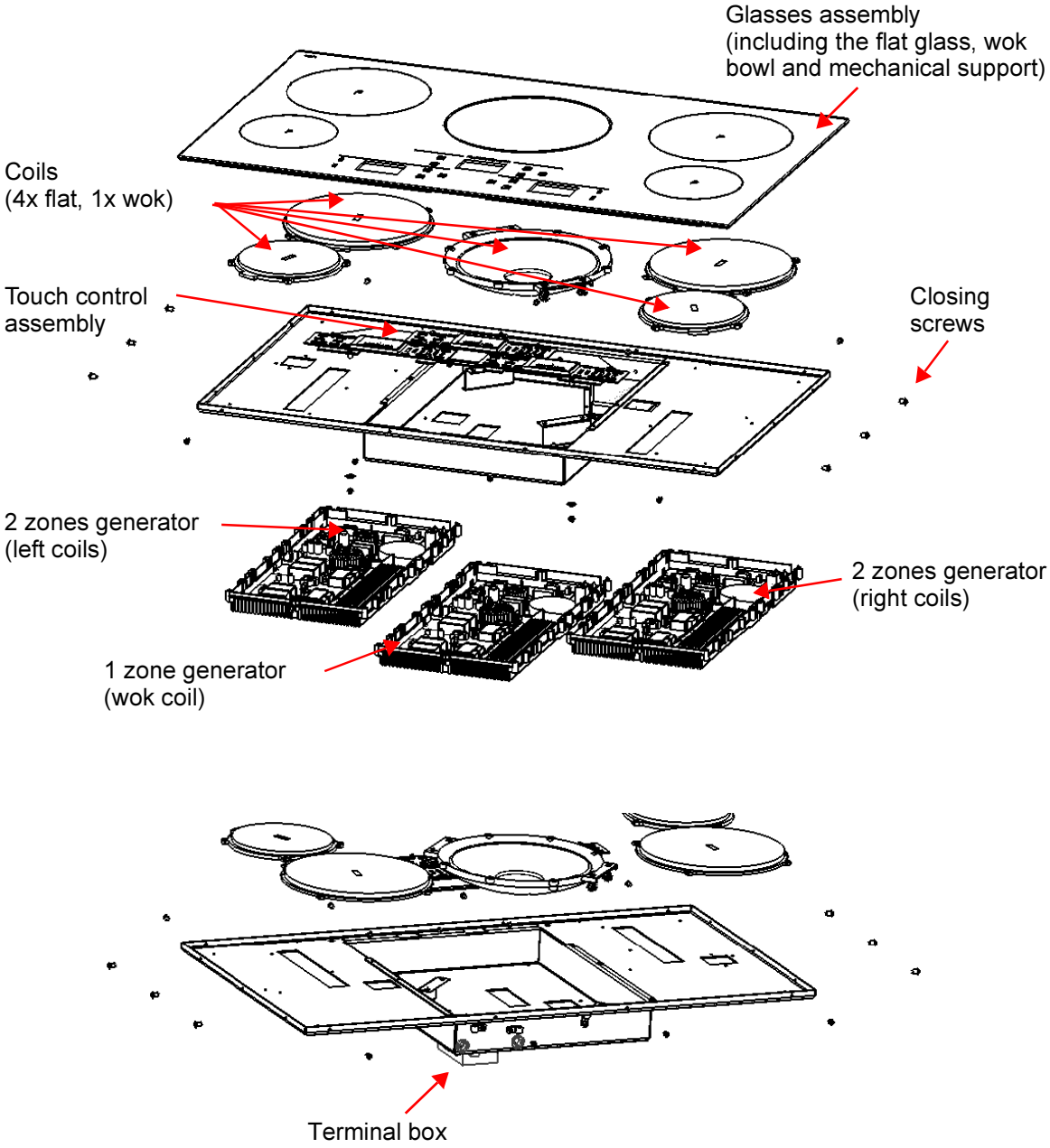
2. Repair instructions

- Never attempt to carry out repairs by “randomly replacing” components!
- Always proceed systematically and observe the technical documentation that goes with the appliance!
- Electronic circuit boards are generally not repaired; instead they are completely replaced with original spare parts. Exceptions are documented separately.

3. The appliance at a glance

3.1 General overview

3.2 Components



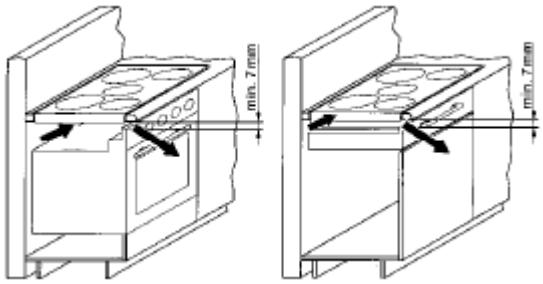
4. Installation instructions

4.1 Safety instructions for kitchen unit fitters

- Veneers, adhesives and plastic surfaces of surrounding furniture must be temperature resistant (>75°C). If the veneers and surfaces are not sufficiently heat resistant they can become deformed.
- Ensure that all live connections are safely insulated when installing the hob.
- Cover strips between the wall and the worktop behind the hob which are made of solid wood are permissible as long as minimum clearances in accordance with the installation diagrams are maintained.
- Minimum clearances of the hob cut-out towards the rear are to be maintained in accordance with the installation diagram.
- For installation directly next to a tall cupboard, a safety distance of at least 40 mm must be ensured. The side surface of the tall cupboard should be fitted with heat resistant material. Due to working requirements, however, the distance should be at least 300 mm.
- The clearance between the hob and an extraction hood must be at least as large as that stipulated in the assembly instructions for the cooker hood.
- The packaging materials (plastic foil, polystyrene, nails etc.) must be kept out of reach of children as these parts are potentially dangerous. Small parts can be swallowed and there is a danger of plastic sheeting causing suffocation.
- **The KÜPPERSBUSCH induction hob must not be installed above a dishwasher.**

4.2 Ventilation

- The back wall of the bottom cabinet must be open in the area of the cut-out in order to provide for air circulation.
- The front transverse strip of the unit must be removed so that an air flow opening of at least 7 mm is created underneath the worktop over the entire width of the appliance.



- Remove any transverse strips underneath the worktop at least in the area of the worktop cut-out.
- Clearance between the induction hob and kitchen furniture or built-in units must provide for sufficient ventilation of the induction hob.
- The induction hob may not be used when pyrolysis operation is taking place in a built-in oven.

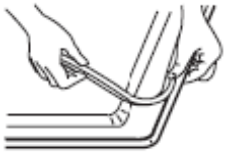
4.3 Installation

4.3.1 Important information

- If the hob is located above drawers or furniture parts, a shelf must be inserted at a minimum distance of 20 mm to the bottom of the hob in order to ensure that contact is not made accidentally. The intermediate shelf may only be removed with tools.
- To avoid danger of fire, make sure that no combustible objects which could easily catch fire or become deformed on exposure to heat are placed directly next to or above the hob.

4.3.2 Sealing of the hob

Before installation, correctly insert the sealing unit delivered with the hob.



- No liquids may penetrate between the edge of the hob and the worktop or between the hob and the wall and come into contact with any electrical appliances.
- When installing a hob into an uneven worktop, e.g. with a ceramic or similar covering (tiles etc.), the seal on the hob is to be removed and the seal between the hob and worktop made with plastic sealing materials (putty).
- The hob must under no circumstances be sealed with silicone sealant! This would make it impossible to remove the hob at a later date without damaging it.

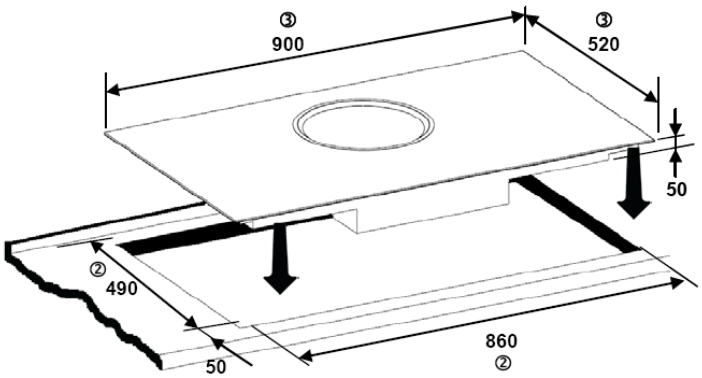
4.3.3 Working surface cut-out

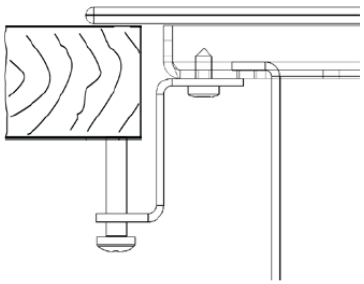
Cut out the worktop recess accurately with a good, straight saw blade or recessing machine. The cut edges should then be sealed so that no moisture can penetrate.

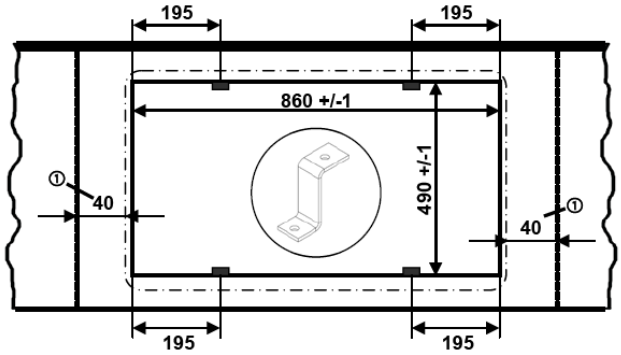
The area is cut out as illustrated. The glass ceramic hob must have a level and flush bearing. Any distortion may lead to fracture of the glass panel.

Make sure that the sealing of the hob is properly seated.

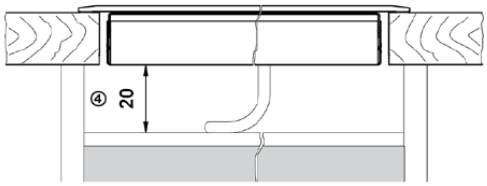
The glass ceramic hob is fastened with clamps.





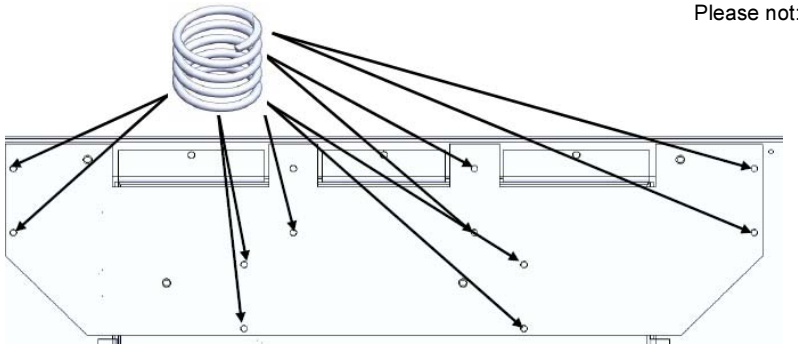


Clamps



Minimum distance to adjacent walls
Cut-out dimension
Outer dimensions of the hob
Cable routing in rear wall

Please not: All dimensions in mm.



- Cut out the worktop according to the measurements in the illustration.
- Insert the glass ceramic hob.
- Fasten the clamps under the worktop to the hob with a sheet metal screw.
- Fasten the hob to the worktop with the screw.

Fastening it too tightly may fracture of the glass panel.

Important! There is a risk of breakage if the hob is canted or subjected to stress during installation!

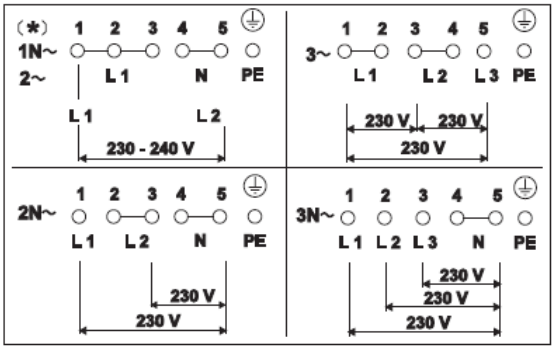
4.4 Electrical connection

- The electrical connection must be carried out by a qualified electrician who is authorised to carry out such work!
- Statutory regulations and the connection specifications issued by the local power supply company must be strictly observed.
- When connecting the appliance it must be ensured that there is a device which makes it possible to disconnect it from the mains at all poles with a contact opening width of at least 3 mm. Fuses or contactors are suitable cut-out devices. When connecting and repairing the appliance disconnect it from the electricity supply with one of these devices.
- Please make sure that the safety fuse has been adapted to the load and that it complies with regulations in force.
- Any superfluous cable must be removed from the installation area beneath the appliance.
- Make sure that the local mains voltage is the same as the voltage on the rating label.
- The connection cable must be at least H05 RR-F.
- If the connection cable of this appliance is damaged, it has to be replaced by the manufacturer, the Customer Service of the manufacturer or by another qualified person to avoid danger.
- Full protection against accidental contact must be ensured on installation.
- Attention: Incorrect connection may result in the power electronics unit being destroyed.

Power supply

Mains voltage: 200-240 V
Frequency: 50/60 Hz

Electrical connections



* This type of electrical connection is not permitted by the SEV (Swiss Association of Electrical Engineers) in Switzerland

4.5 Technical data

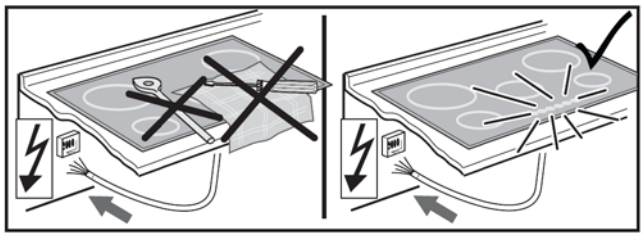
Dimensions		
Hob Width / Depth / Height	mm	900 x 520 x 50/106
Cooking zones		
rear left	Ø cm / kW	21 / 2.3 (3.2)*
front left	Ø cm / kW	14.5 / 1.4 (1.8)*
middle	Ø cm / kW	21 / 2.4 (3.0)*
rear right	Ø cm / kW	21 / 2.3 (3.2)*
front right	Ø cm / kW	14.5 / 1.4 (1.8)*
Hob, total	kW	10.2

* Power when the booster setting is activated.

4.6 Putting the appliance into operation

Once the hob has been installed and the power supply has been provided (mains connected) an automatic test of the controls will be carried out and information for Customer Service will be indicated.

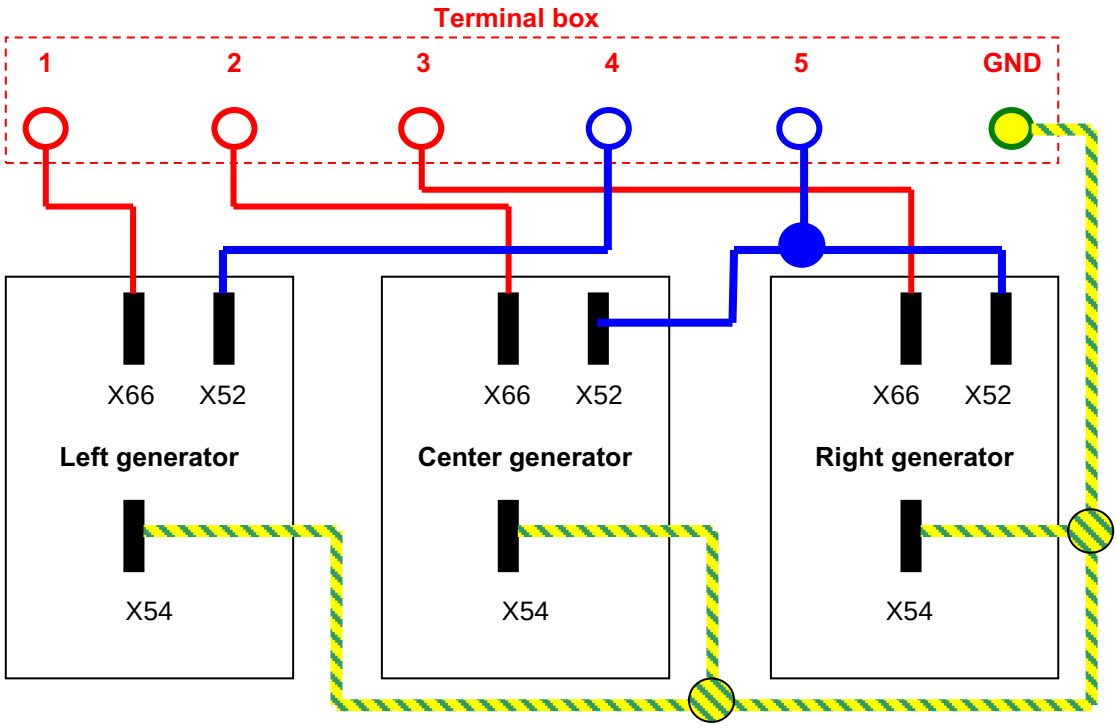
Important! No items may be on the sensor keys when the appliance is being connected!



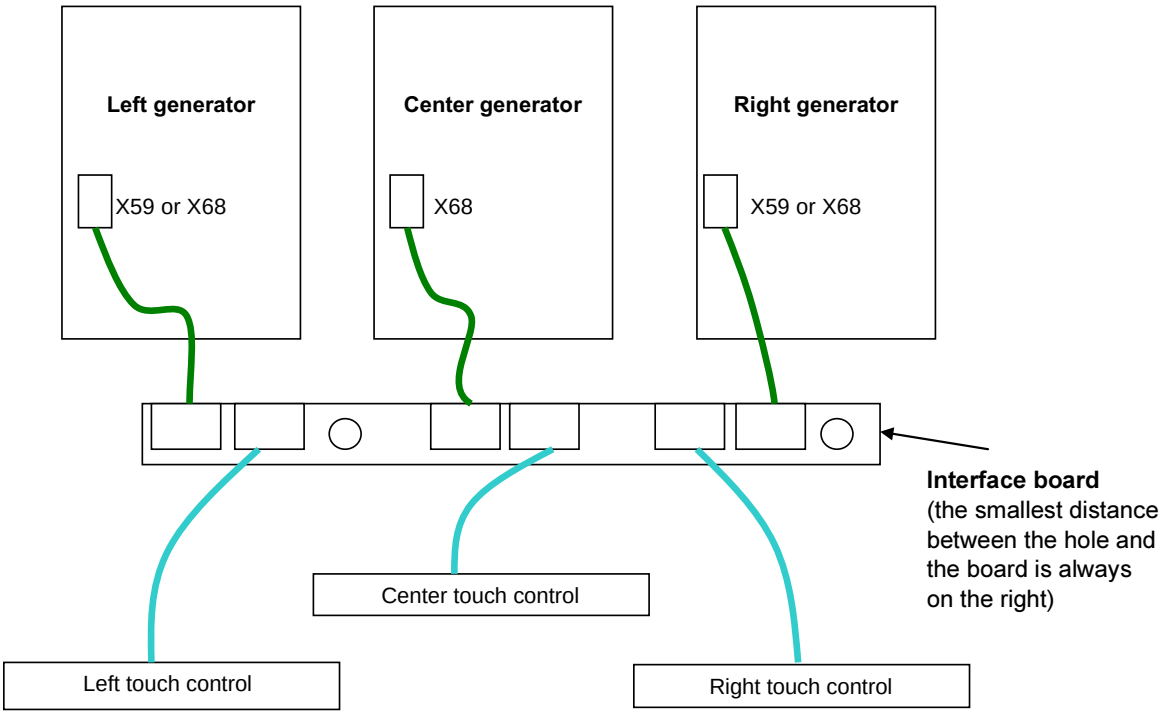
Briefly wipe over the surface of the hob with a sponge and soapy water and then dry with a clean cloth.

5. Electrical cabling

5.1 From terminal box to generators



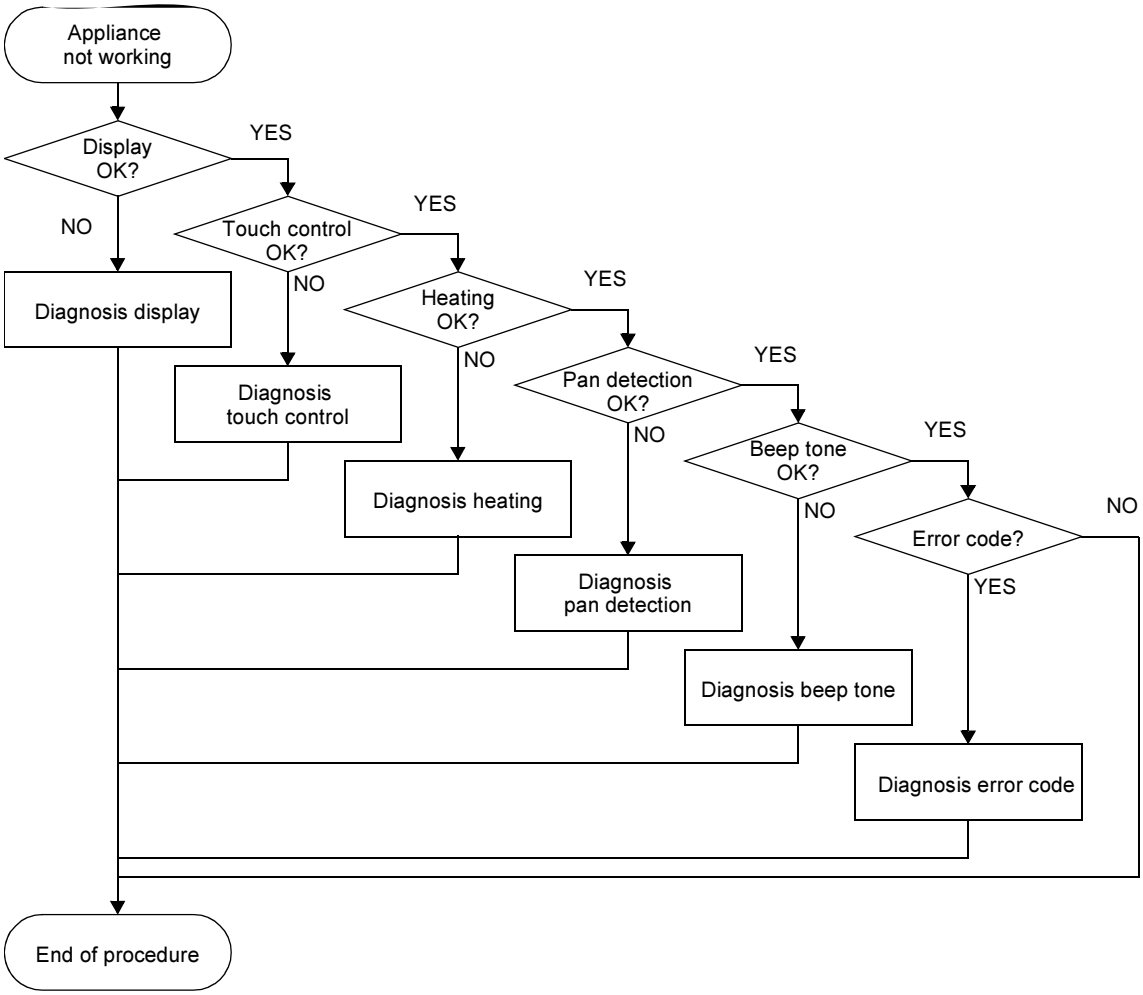
5.2 From generators to HMI



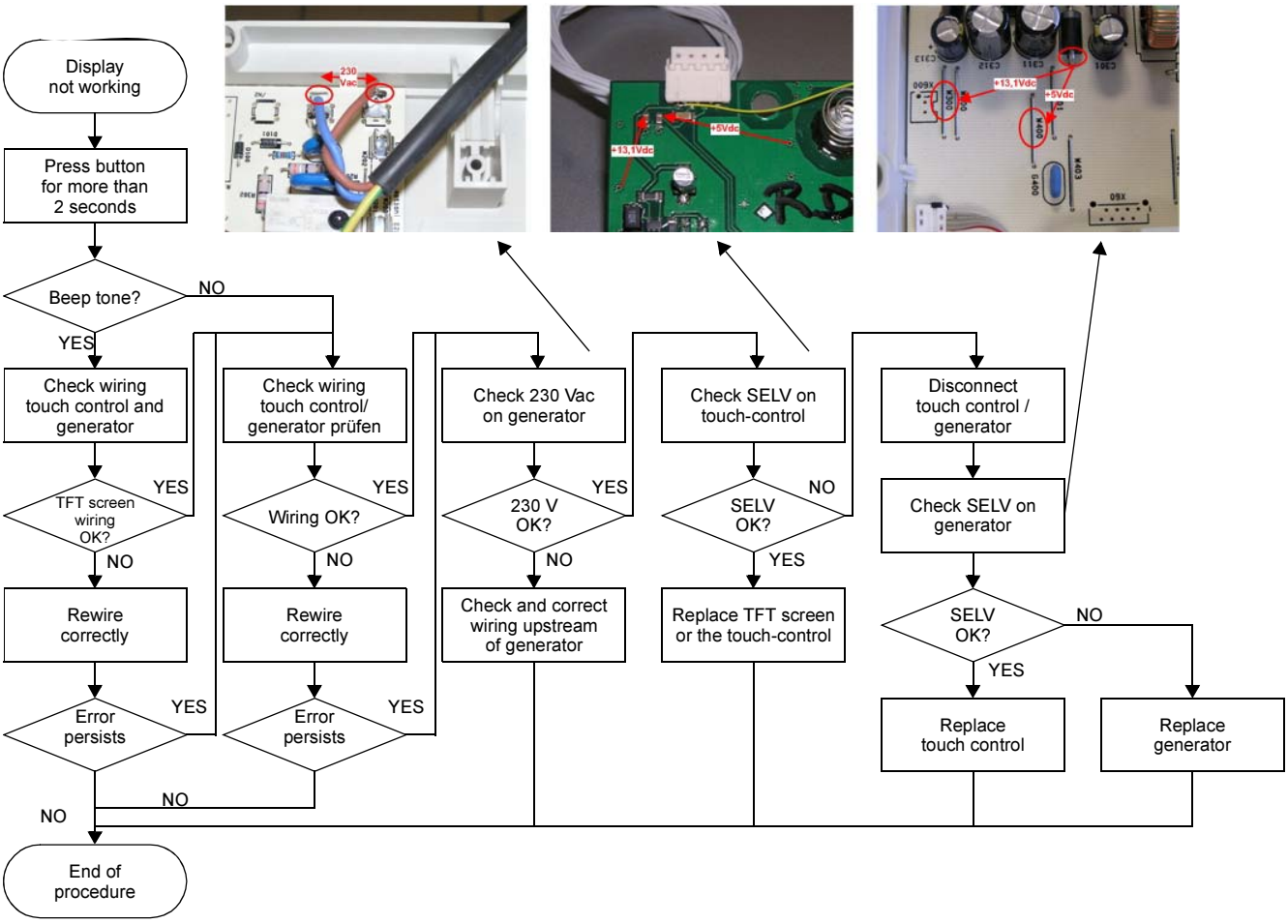
6. Maintenance

6.1 Diagnosis

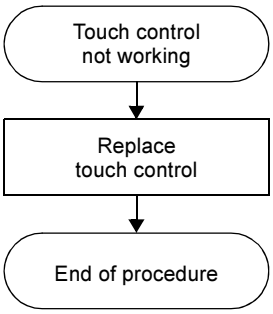
6.1.1 General decision diagram



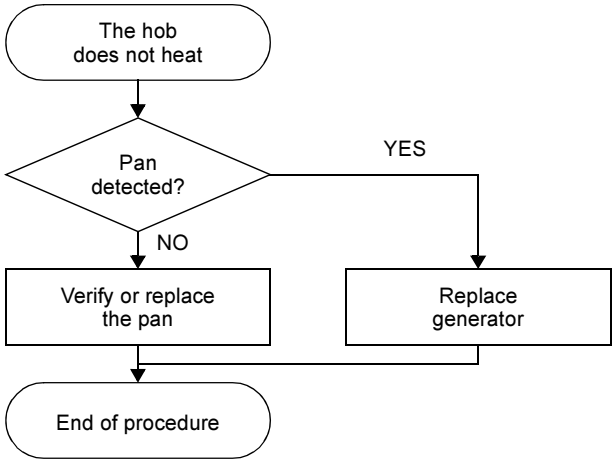
6.1.2 Diagnosis: Display



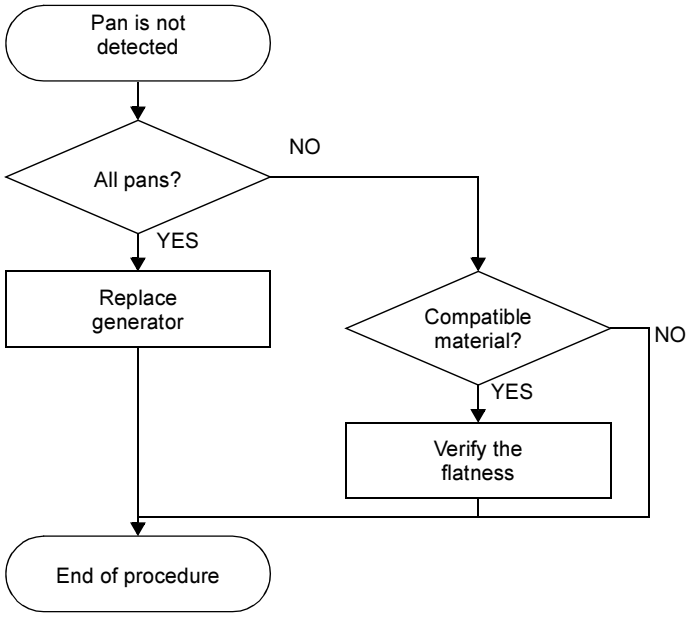
6.1.3 Diagnosis: Touch control



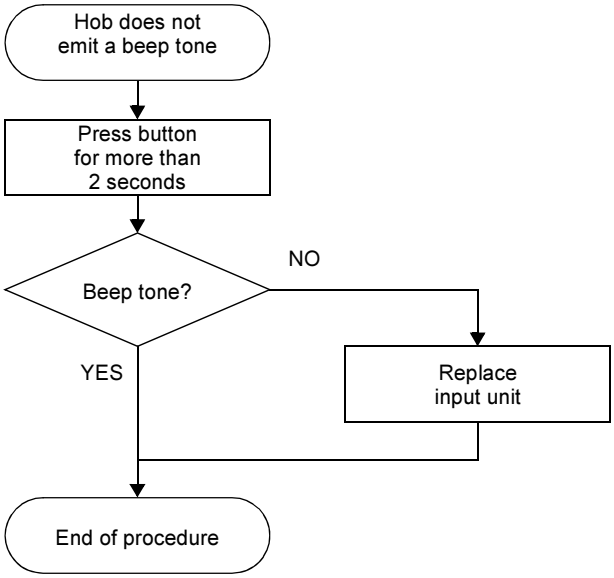
6.1.4 Diagnosis: Heating



6.1.5 Diagnosis: Pan detection



6.1.6 Diagnosis: Beep tone



6.2 Procedure in case of error code

6.2.1 Error code ER00

Clean the surface or move the item from the control panel. Push ON/OFF key.

If the error message does not disappear, exchange the touch control.

6.2.2 Error code ER01

Check the installation. Make sure there is sufficient ventilation.

If the error message does not disappear, exchange the generator.

6.2.3 Error code ER02

Check the supply terminals and the mains connection.

6.2.4 Error code ER13

Exchange the generator.

6.2.5 Error code ER20

Exchange the generator.

6.2.6 Error code ER21

Cooling down the coils. It may take a few minutes.

6.2.7 Error code ER27

Exchange the generator.

6.2.8 Error code ER30

Exchange the generator.

6.2.9 Error code ER33

Exchange the generator.

6.2.10 Error code ER41

Disconnect the temperature sensor of each coil.

Measure the resistivity value of the sensor of the front inductor. The resistance should be R = 1000 Ohms. Otherwise exchange the temperature sensor.

Measure the resistivity value of the sensor of the rear inductor. The resistance should be R = 1000 Ohms. Otherwise exchange the temperature sensor.

If both resistivity values are 1000 Ohms, exchange the generator.

6.2.11 Error code ER42

Exchange the generator.

6.2.12 Error code ER43

Exchange the generator.

6.2.13 Error code ER44

Exchange the generator.

6.2.14 Error code ER45

Exchange temporarily the connection between generator and touch control.

If the error code is still displayed, re-assemble the previous wire and exchange temporarily the touch control.

If the error code is still displayed, re-assemble the previous touch control and exchange the generator.

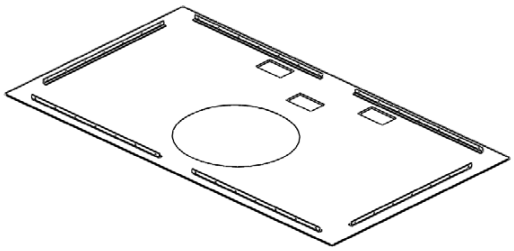
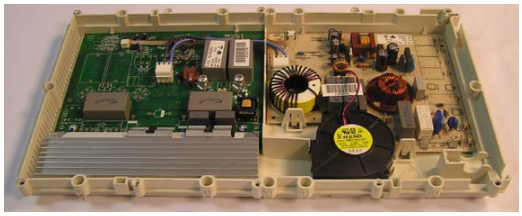
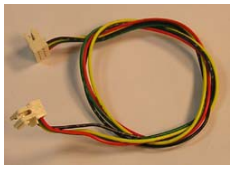
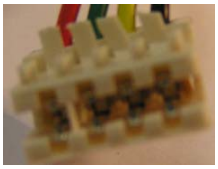
6.2.15 Error code ER47

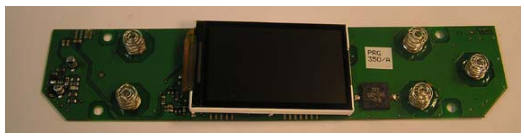
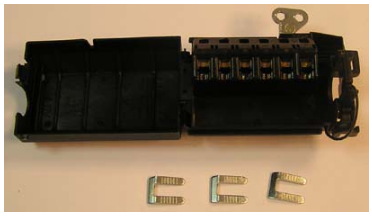
Exchange temporarily the connection between generator and touch control.

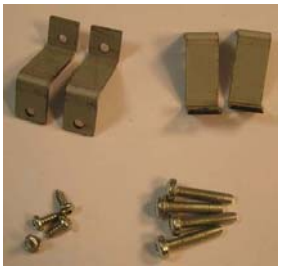
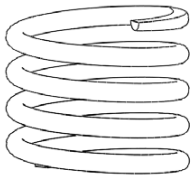
If the error code is still displayed, re-assemble the previous wire and exchange temporarily the touch control.

If the error code is still displayed, re-assemble the previous touch control and exchange the generator.

7. Spare parts

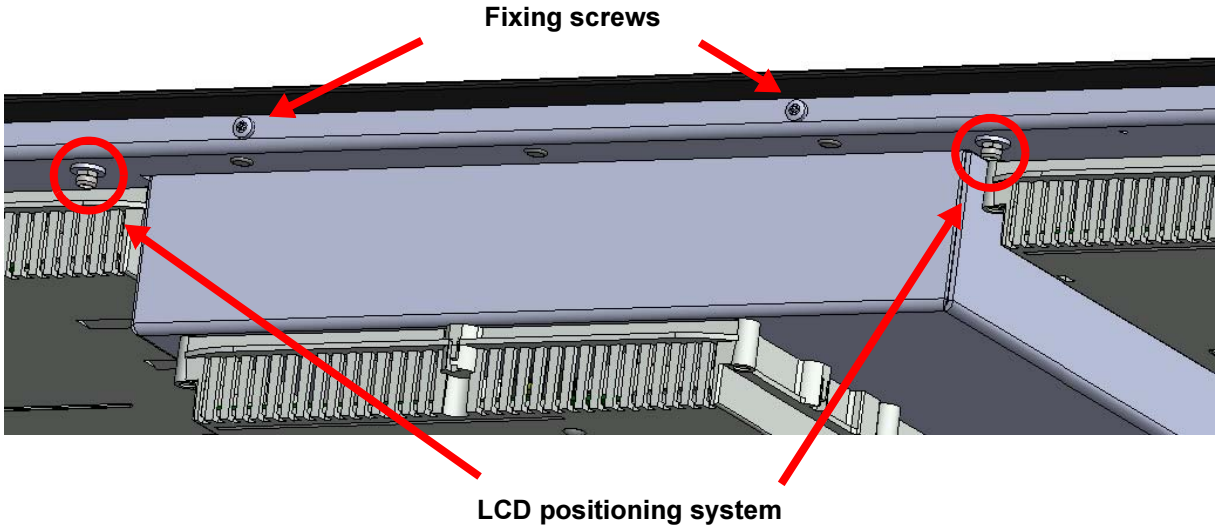
Spare part no.	Designation	Picture
543988	Glass assembly	
543992	Central induction generator	
543993	Generator/Interface board cable	  
543991	Right and left generator	
543990	Inductor Ø145	

543989	Inductor Ø210	
544007	Wok coil silicon insulation with specific cutting (the same as in EKIW 957.0F)	
543996	Left touch control	 With TC0030.102G.vX on PHT label
543998	Right touch control	 With TC0030.102D.vX on PHT label
543997	Central touch control	 With TC0030.104C.vX on PHT label
543994	Interface board	
544003	Terminal box (with 3 jumpers)	
543999	Side generator/ terminal box cable	
544002	Central generator - terminal box phase wire	

544001	Central generator - terminal box neutral wire	
544000	Central generator - terminal box ground wire	
543995	Interface board/touch control cable	  
544005	Fixing system (complete kit)	
544004	Spring (to ensure the contact between LCD screen and glass)	
544006	Temperature sensor for wok coil	

8. LCD positioning

To ensure a good positioning of the LCD vs the transparent zone in the glass, a setting system is provided:



1. Partially unscrew the two nuts.
2. Partially unscrew the two fixing screws.
3. Use the nuts to move the 3 LCD in the same time until having a good positioning.
4. Screw the nuts and the fixing screws.