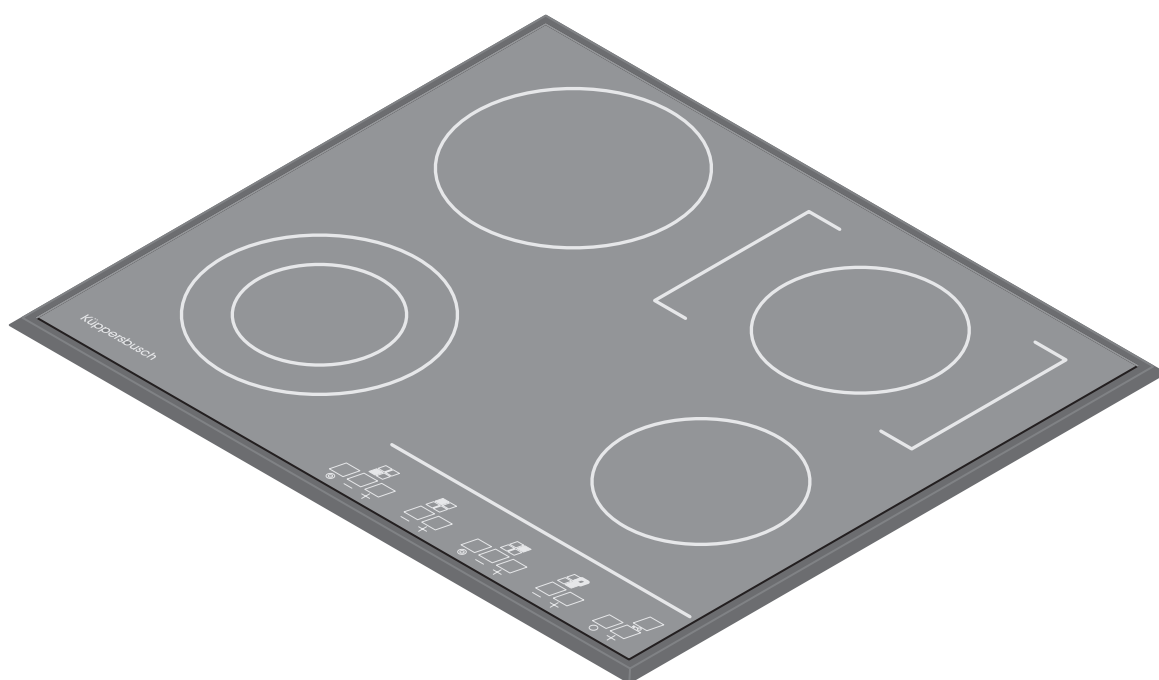


Glass ceramic hob unit with sensor touch control

EKE 804.2 / 604.2



4 cooking zones ökospeed plus
Electrical connection: 6,7 kW
1 dual-circuit cooking zone 12 cm / 750 W
or 21 cm / 2200 W
1 cooking zone 14,5 cm / 1200 W
1 cooking zone 18 cm / 1800 W
1 dual-circuit cooking zone
14 cm / 1100 W
frying zone 24,0 x 14,0 cm/ 2000 W

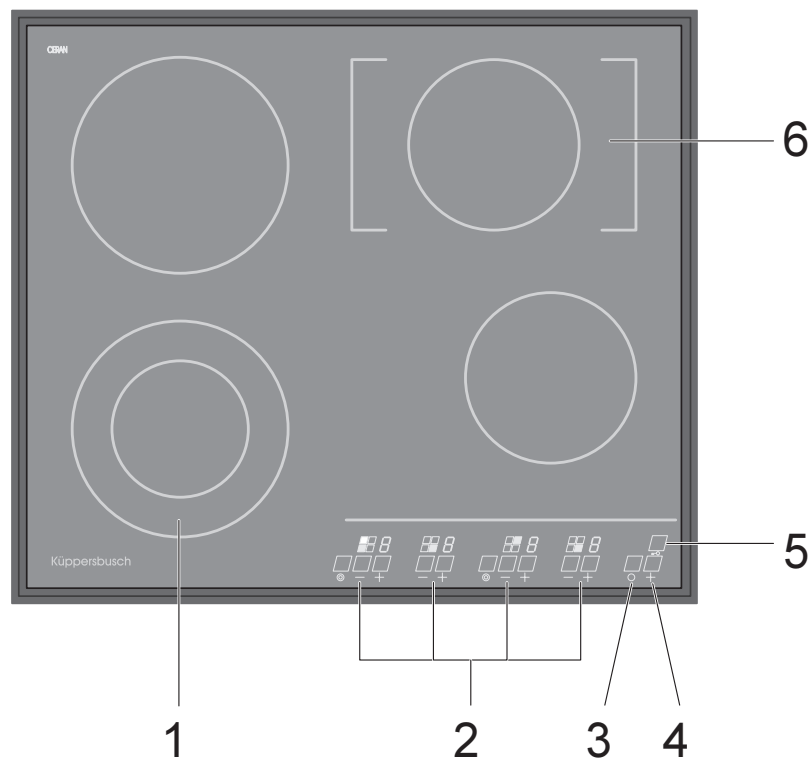
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VKS-H	Service Manual EKE 604.2		H1-50-01-01
Responsible: Rutz	Fax: (0209) 401-743	Tel.: (0209) 401-733	Date: 25.04.1997

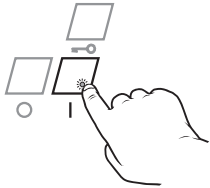
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Your appliance at a glance

- 1 Dual-circuit cooking zone
- 2 Sensor keys for cooking zones
- 3 Off sensor / emergency switch
- 4 Sensor standby switch
- 5 Childproof lock (sensor lock)
- 6 Frying zone

Using the cooking zones



Touch the sensor pad for approx. 2 seconds. The LED display above the pad will then light up and the appliance will go into operation (standby mode).

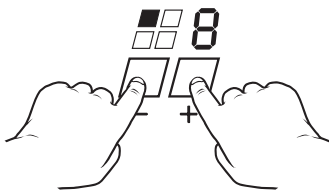
The standby mode automatically switches itself off, if

- no cooking zone is activated within 20 minutes (after 10 seconds an acoustic signal will indicate that the appliance will switch itself off after a further 10 seconds)

or if

- the appliance is not used for 10 minutes after starting operation.

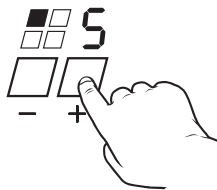
The cooking setting



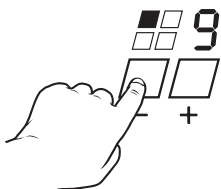
You have 9 cooking settings available.

Select the required cooking setting with the plus or minus pad. The setting will be indicated in the display.

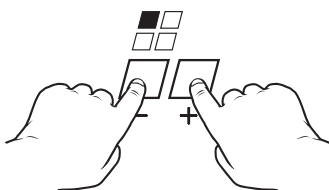
The "0" position is visible for about 2 seconds after the appliance switches off.



If you touch the plus pad, the cooking zone starts at cooking setting 5, without boost.



When the minus pad is touched the cooking zone will start at setting 9 and the automatic boost is automatically switched on.



Switching off a cooking zone:

Touch the plus and minus pads simultaneously.

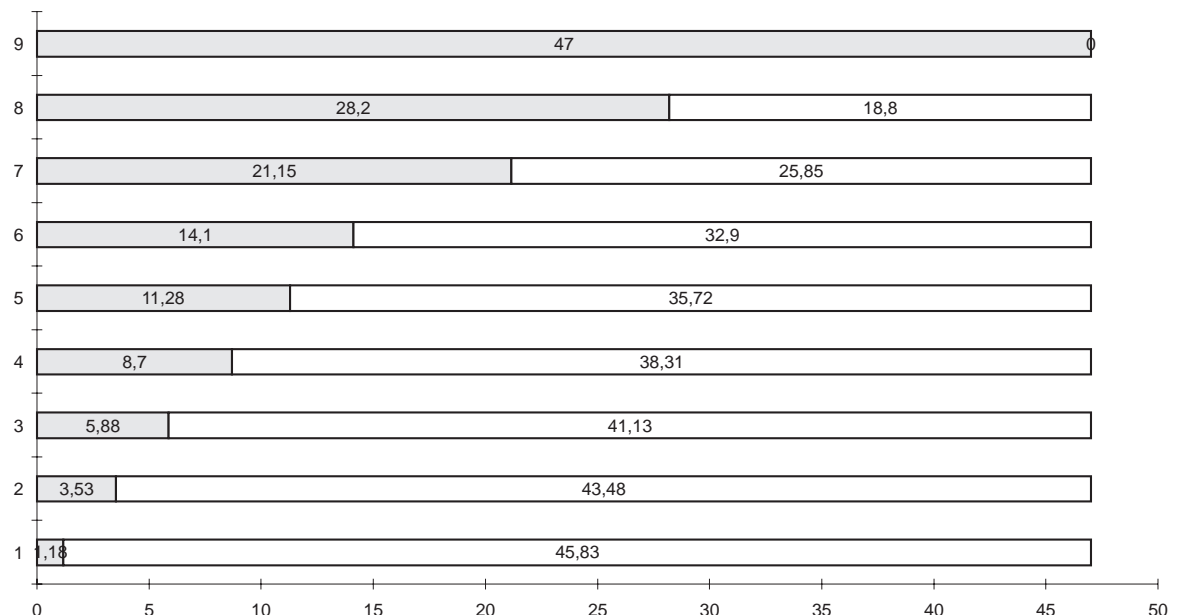
Operating time in seconds

The temperature of the cooking zones is time-adjusted, in the same way as the energy control unit. Depending on the cooking setting, the corresponding cooking zone will be switched on or off as described in the following table.

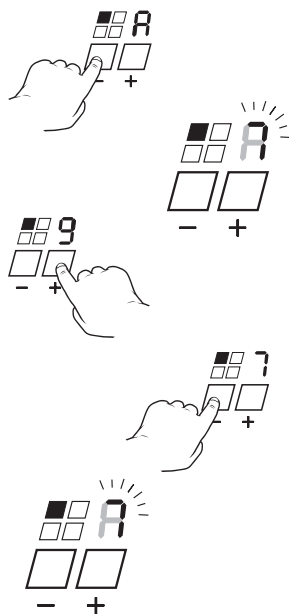
Cooking setting	1	2	3	4	5	6	7	8	9
ON in secs.	1	4	6	9	11	14	21	28	47
OFF in secs.	46	43	41	38	36	33	26	19	0

This means, for instance, that at cooking setting 6 the control unit is switched on for 14 seconds and is then switched off for 33 seconds. Thus the total amount of time is 47 seconds. Then the process starts again.

Operating time in seconds



The automatic boost function



All cooking zones are equipped with an automatic boost function. Maximum power is used for the boost. The time period of the boost depends on the selected cooking setting. After the time has elapsed the cooking zone automatically switches back to the selected cooking setting.

When you select the respective cooking setting by touching the minus pad, the boost function will switch on automatically.

During automatic operation an "A" lights up in the display alternately with the selected cooking setting.

When you select the required cooking setting by pressing the plus pad, it is necessary to press the plus pad again after reaching cooking setting 9 if the automatic boost function is to be activated.

Then select the required cooking setting.

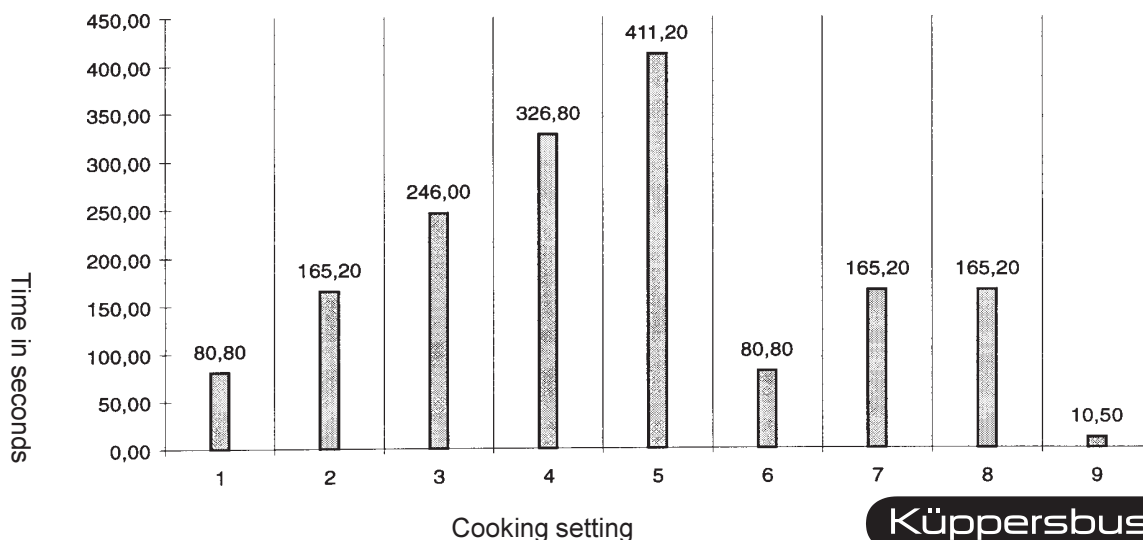
"A" lights up in the display alternately with the selected cooking setting until the boost has finished.

The automatic boost works at full power and for the time specified in the table (depending on the cooking setting):

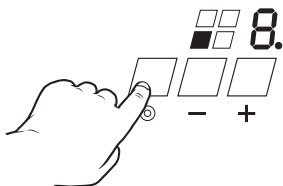
Cooking setting	1	2	3	4	5	6	7	8	9
Seconds	80	165	246	326	411	80	165	135	10
Minutes	1,3	2,7	4,1	5,4	6,8	1,3	2,7	2,2	0,0

After this time, the automatic boost switches off and cooking continues as specified in the table. At setting 9 the cooking zone functions at full power, thus obviating the need for the boost function.

Length of initial boost



Dual-circuit cooking zones and frying zones



Usually the cooking zone with the smaller diameter heats up.

Switch on the outer cooking zone circuit for bigger saucepans or frying pans.

Press the cooking zone symbol next to the plus/minus pad. A dot at the bottom right of the display for the cooking level indicates that the function has been switched on.

Pressing the cooking zone symbol again deactivates the dual circuit cooking zone or frying zone.

The rapid switch-off function



All the cooking zones can be switched off quickly with the OFF sensor.

Time limit function (holiday function)

Depending on which cooking setting has been set for a cooking zone, the appliance will switch off automatically after a certain time if it is not used.

Cooking setting	Appliance switches off after
9 to 6	2 hours
5	3 hours
4	4 hours
3 to 2	5 hours
1	10 hours

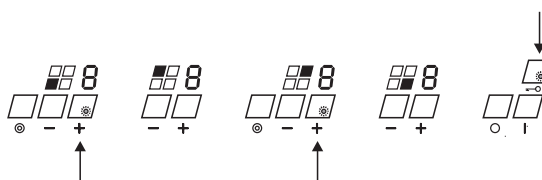
Childproof lock (sensor lock)



Operating the sensor lock prevents unauthorised persons from using the appliance. In order to activate this lock the hob has to be in operation.

Activating the lock:

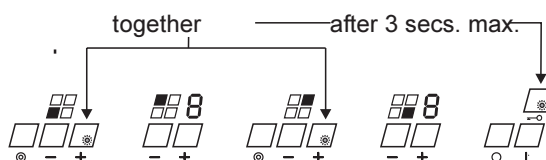
Press the sensor lock for 2 seconds. You may also switch on the lock while cooking. Then, however, you can only reduce the heat or switch off the hob.



The lock is indicated by 3 flashing control indicators.

Be careful: Switching off the hob does not deactivate the lock!

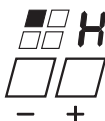
Deactivating the lock:



Simultaneously touch the pads under the two flashing control indicators on the left. After not more than 3 seconds touch the pad for the sensor lock.

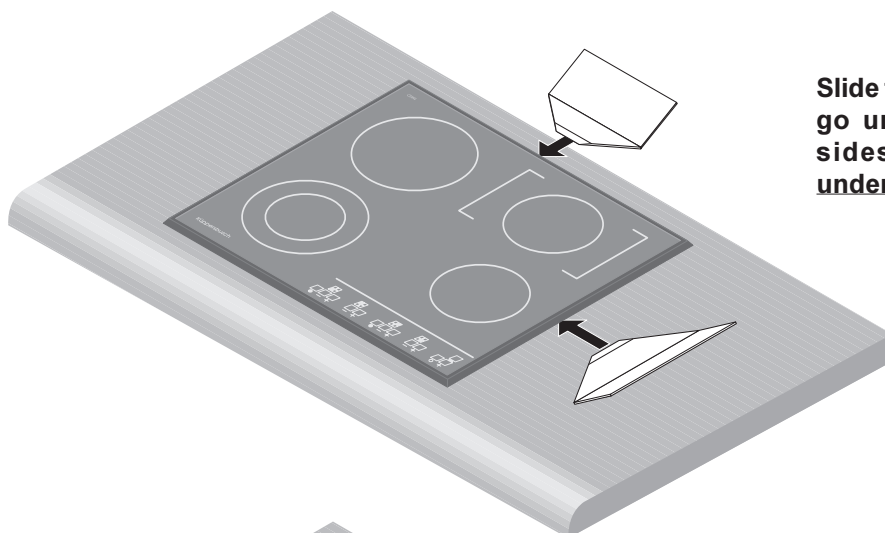
Note: When the power supply has been interrupted the childproof lock is no longer active.

Residual heat indicators

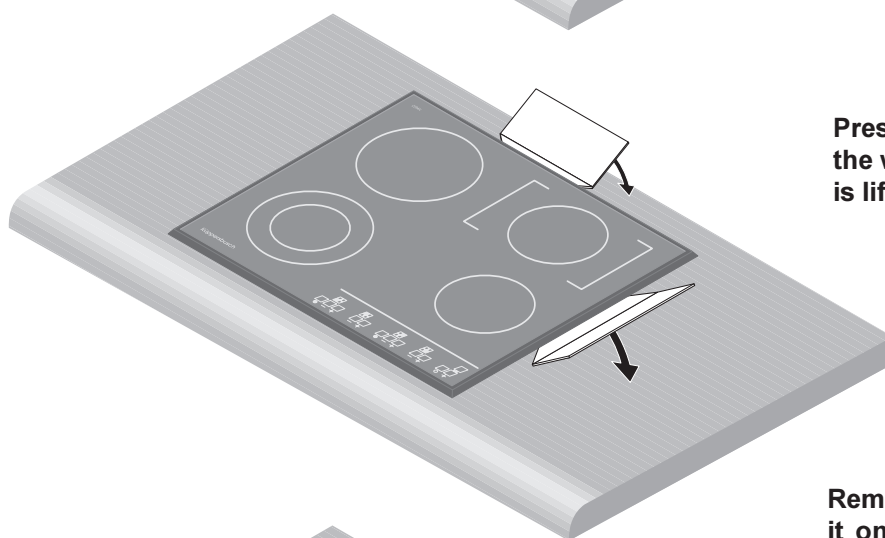


As long as the cooking zone is still hot, an "H" will appear in the display when the cooking zone has been switched off.

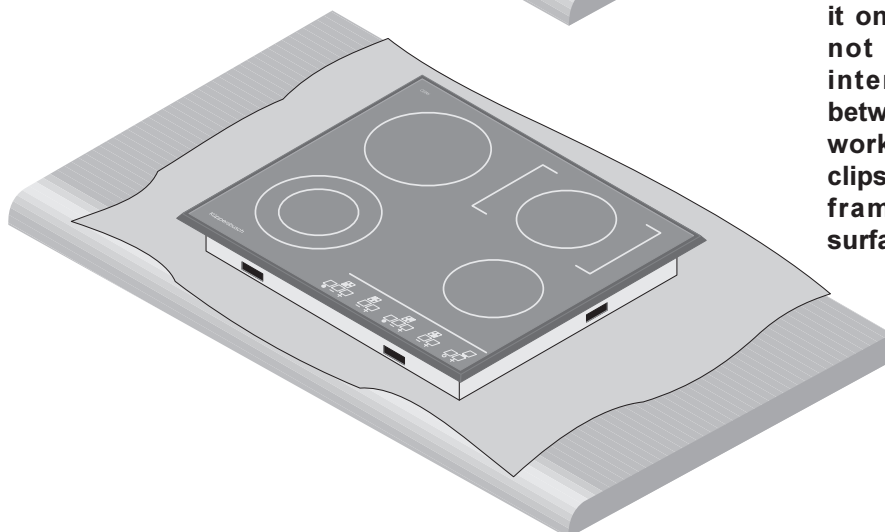
Disassembling the electric hob



Slide the lifter as far as it will go under the back or the sides of the hob (never under the front).



Press the lifter onto the worktop, the hob is lifted off the clips.



Remove the hob and put it onto the worktop. Do not forget to put an intermediate layer between the hob and the worktop to prevent the clips from scratching the frame and the glass surface.

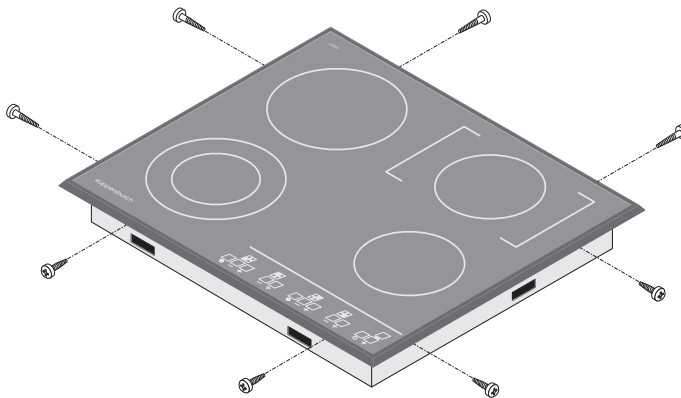
Changing the Touch Control unit

Electronic components and electronic modules are always sensitive to high voltage. The Touch Control unit is equipped with C-MOS-components which are very sensitive to electrostatic charging.

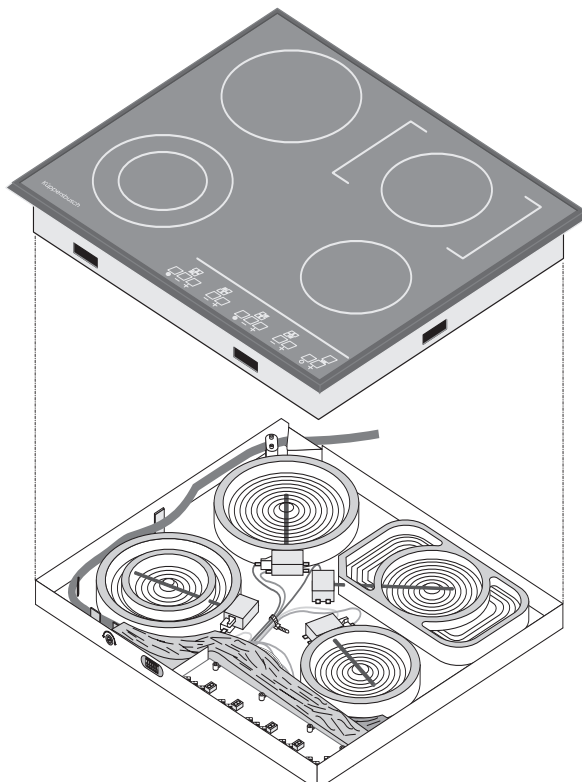


Equipotential bonding should be performed by simultaneously taking hold of the conductive protection bag of the Touch Control unit and the metal case of the hob. Do not move with it afterwards.

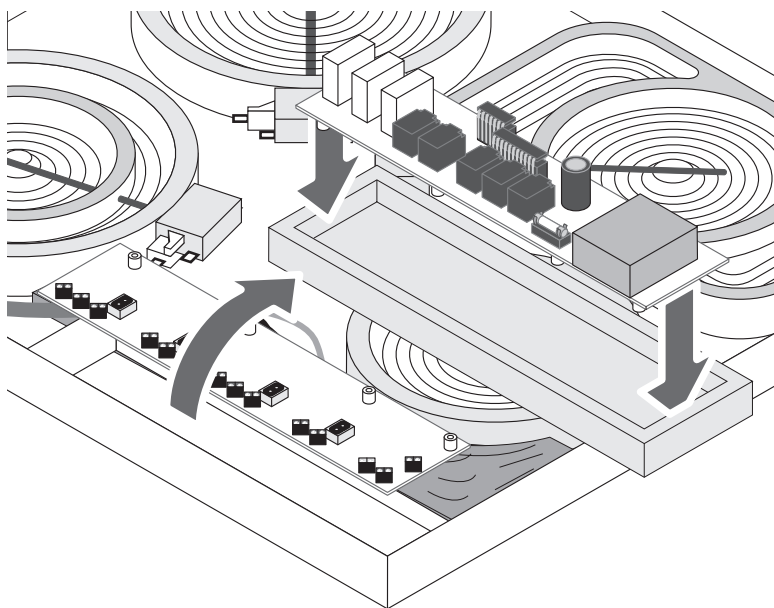
For this reason the Touch Control unit should be ready at hand!



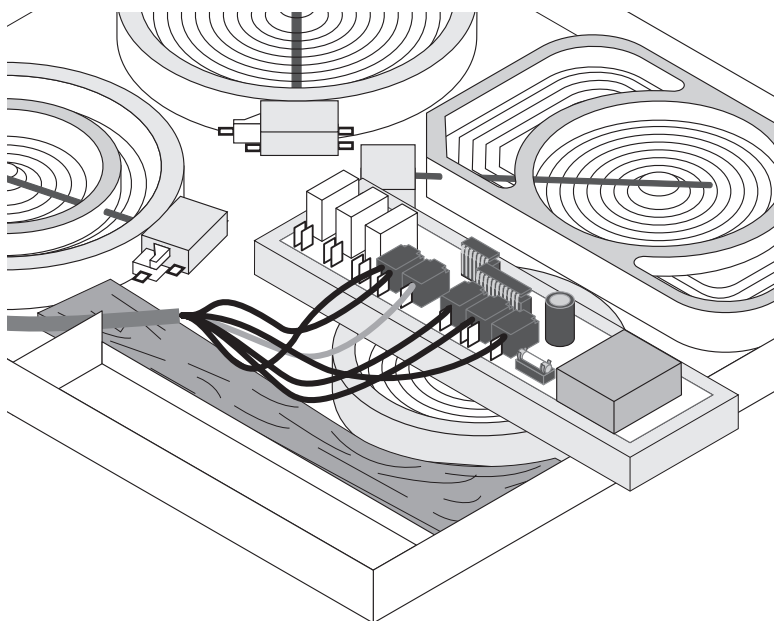
To exchange the Touch Control unit, you must remove the glass ceramic top. To do this unscrew the screws on both sides of the hob.



Then the glass ceramic top can be removed by lifting it upwards.

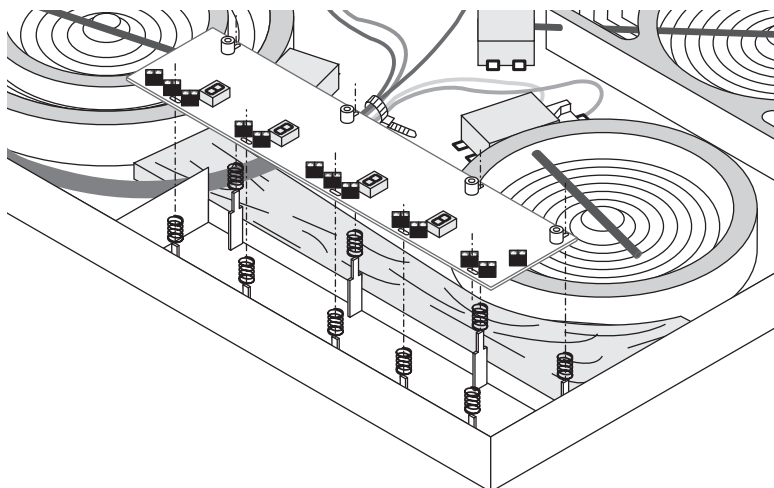


To exchange the connectors, remove the Touch Control unit, rotate it by 180° and place it on the assembly board as shown in the diagram.

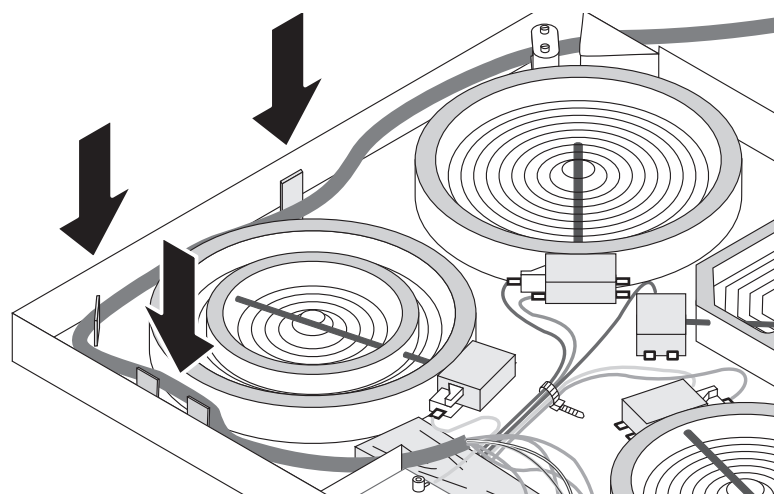


Insert the AMP plugs into the slots on the new Touch Control unit, making sure that they are in the right order.

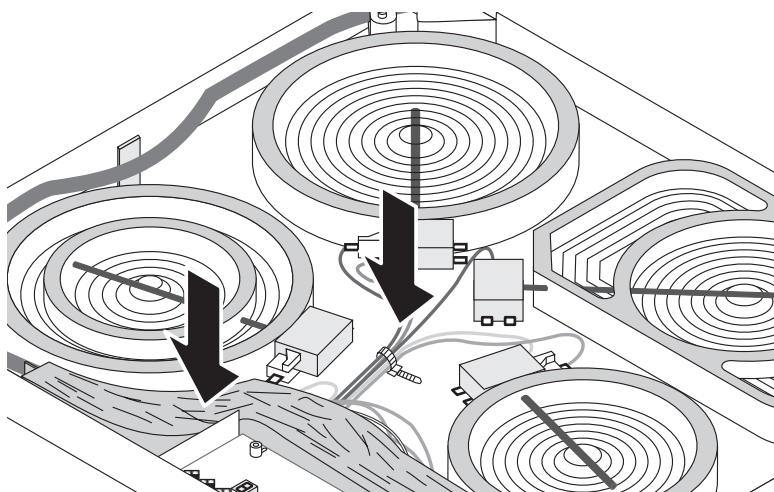
Installing the Touch Control unit



Before the Touch Control unit is installed, align the metal brackets. Make sure that all the *springs* are on the metal parts.



Be certain that the cables are led around the metal parts provided for them, as shown in the diagram, and press them onto the base of the hob.



If assembly makes it necessary to loosen some of the cable binders, it is *essential* that these are replaced.

It is also important to make sure that the insulation material is put back into the correct positions.

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Returning the Touch Control unit

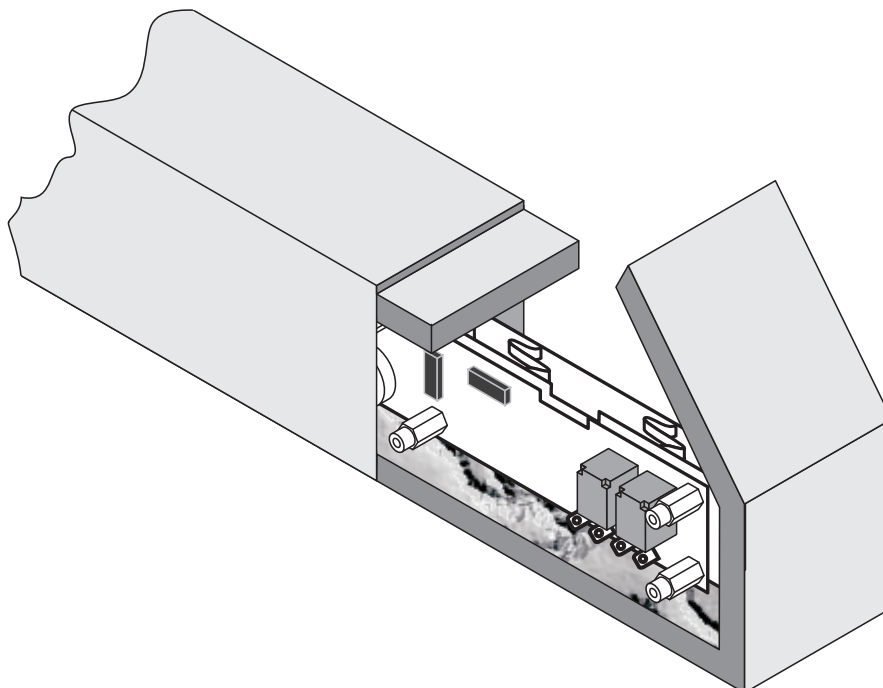
Electronic components must always be treated with care and specially protected during transport. Furthermore, we request you to be very careful when disassembling the components as they are recycled to save costs.

For this reason the following packing instructions must be observed:

- Each electronic component must be packed separately in a cardboard box lined with nap foam.
- When returning electronic components, use only the original packaging in which they have been supplied. This packing material can also be obtained via our Spare Parts Department.
- Even if they have been properly packed, electronic components must not be thrown around.

Packing:

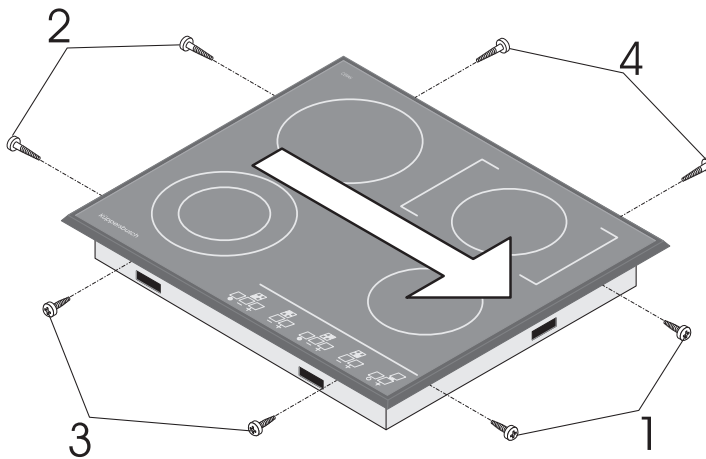
1. Put the unit into an antistatic flat bag, roll up the bag up and close it.
2. Put the unit with the bag onto the nap foam of the box in such a way that the printed circuit boards are in a vertical position.
3. Assemble the cardboard box, close it and seal with scotch tape.
4. It is very important that the box is marked with the green "R" sticker.



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Aligning the glass ceramic hob

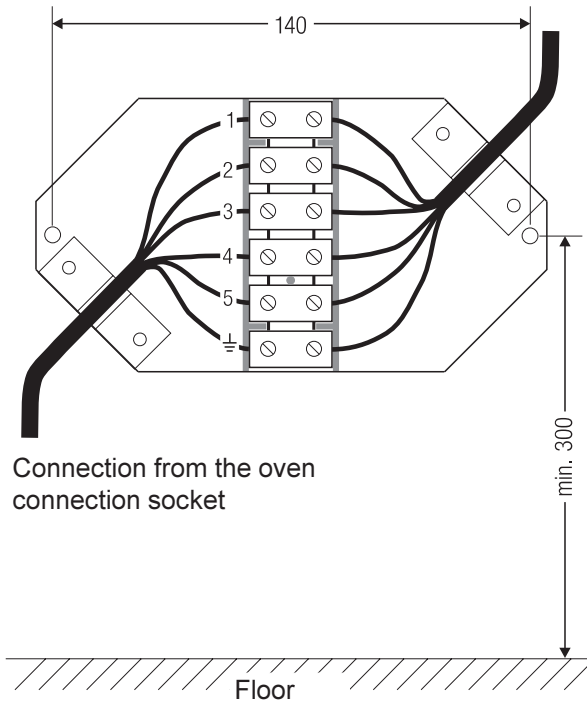


By skilfully tightening the screws (one screw, then the screw on the opposite side and so on) you can slightly adjust the position of the marked cooking zones on the glass ceramic top in relation to the heating spirals.

In the example illustrated the glass ceramic top would shift in the direction of the arrow if the screws are tightened in the specified sequence.

Electrical connection

- The built-in hob must be connected to the mains supply by a qualified electrician who is authorized to carry out such work.
- Both legal wiring regulations and the requirements of your local electricity supply board must be fully complied with.
- When connecting the hob, a device must be provided which enables all-pole disconnection of the hob from the supply with a gap construction of at least 3 mm. Circuit breakers, fuses and contactors are considered to be suitable disconnecting units.
- When connecting and repairing the appliance disconnect it from the electricity supply with one of these devices.
- Overall protection against electric shock must be ensured by the installation.
- The earthed conductor lead must be sufficiently long so that, in the event of failure of the strain relief, it is not subjected to strain until after the live wires of the connection cable.
- Any superfluous cable must be removed from the installation area beneath the appliance.



At the factory the electronic hob has been equipped with a temperature-proof cable with a connecting box for the oven connection cable.

The connecting box is fastened to the kitchen wall behind the built-in furniture.

If there is no built-in oven below the hob, the connecting box can also be fastened to the furniture below the hob.

- When assembling the connecting box remember that it must be at least 300 mm from the floor, as shown in the drawing.
- The connecting box must not come into contact with any hot appliance parts.
- The connecting box must not be used as a voltage distributor for other appliances.
- The fitted connection cable must be replaced by the **Küppersbusch** Customer Service if it becomes damaged.
- The appliance is connected to the mains at the connecting box as shown in the wiring diagram.

Electrical connection

Permanent connection by means of an oven connection socket.

Connection diagram

Is depicted on the connecting box of the appliance, suitable for the various types of mains.

Connection data

Permanent connection 400 V 3 N ~ 50 Hz (AC 230 V in UK) voltage of heating elements: 230 V

Total connected load 6.7kW

400 V 3 N ~ fuse rating 16 A

400 V 2 N ~ fuse rating 20 A

230 V 1 N ~ fuse rating 25 A

230 V 3 ~ fuse rating 16 A

Connection cable

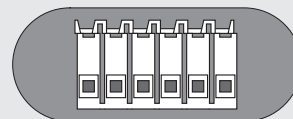
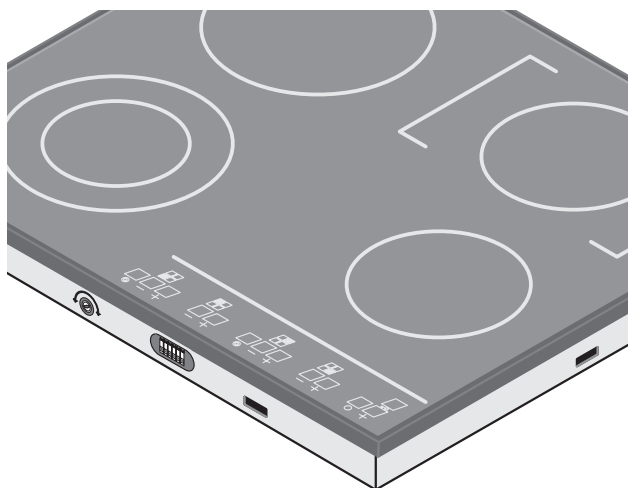
Use H 05 RR-F or H 07 RN-F.

The cable must be no shorter than 2 m.

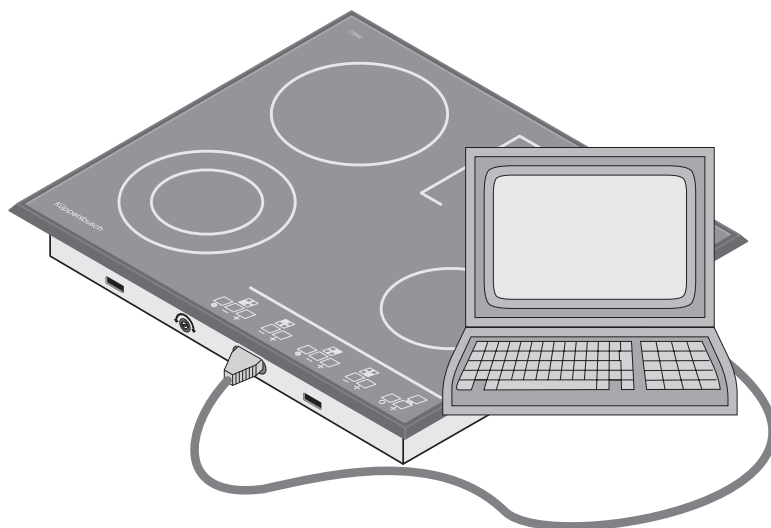
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Serial interface



**Slot for
interface cable**



Insert the plug of a special cable through the side openings in the hob base and into the multiple connector. The other side of the special cable is connected with the printer port of the computer.

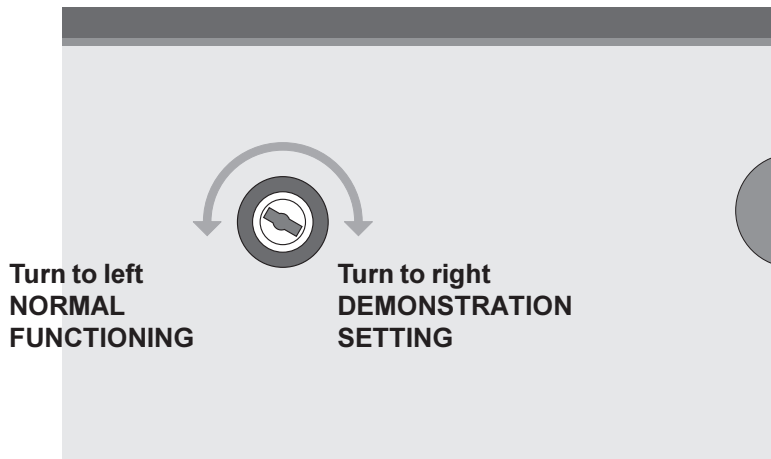
When you have made the connection you must start the sensor test program.

***Type of computer required:
min. AT 486 with an 8 MB
RAM***

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Demonstration setting

When the demonstration setting is activated, the glass ceramic hob can be operated normally, but all the heating elements will remain cold.



To activate the demonstration setting *carefully* turn the rotary-type switch on the side of the hob base with a screwdriver as far as it will go to the right.

For normal operation *carefully* turn the switch as far as it will go to the left.

What to do if there is a fault

Problems	Cause	On-the-spot measures
LED display for cooking settings and heat indicator do not or only partially light up	<ul style="list-style-type: none"> - LED display defective - Household fuse defective 	
It is not possible to switch off the hob	<ul style="list-style-type: none"> - Electronic component defective 	
The hob does not heat up	<ul style="list-style-type: none"> - Childproof lock not deactivated 	
	<ul style="list-style-type: none"> - Cooking zone defective 	
	<ul style="list-style-type: none"> - Inner circuit of a dual-circuit cooking zone defective 	

Terminal connection diagram

