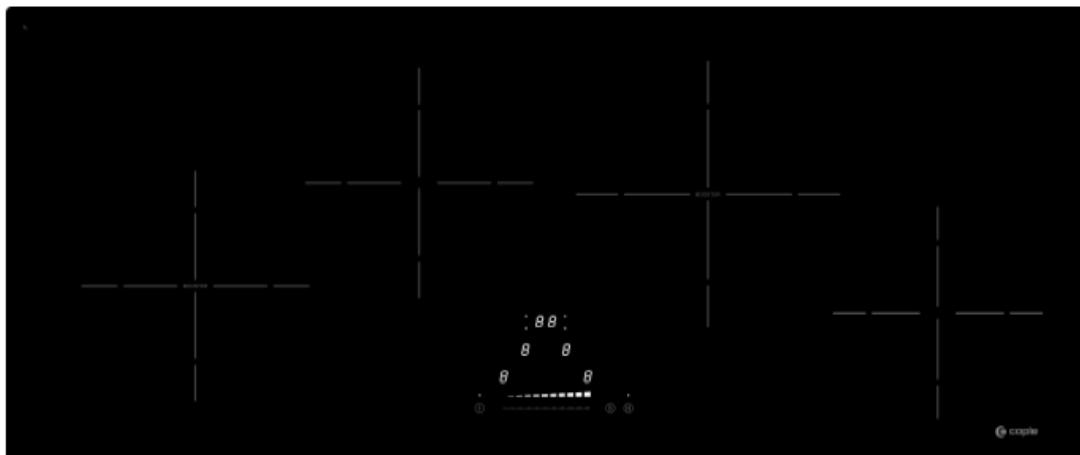




C876I

Caple Sense Induction Hob Ribbon

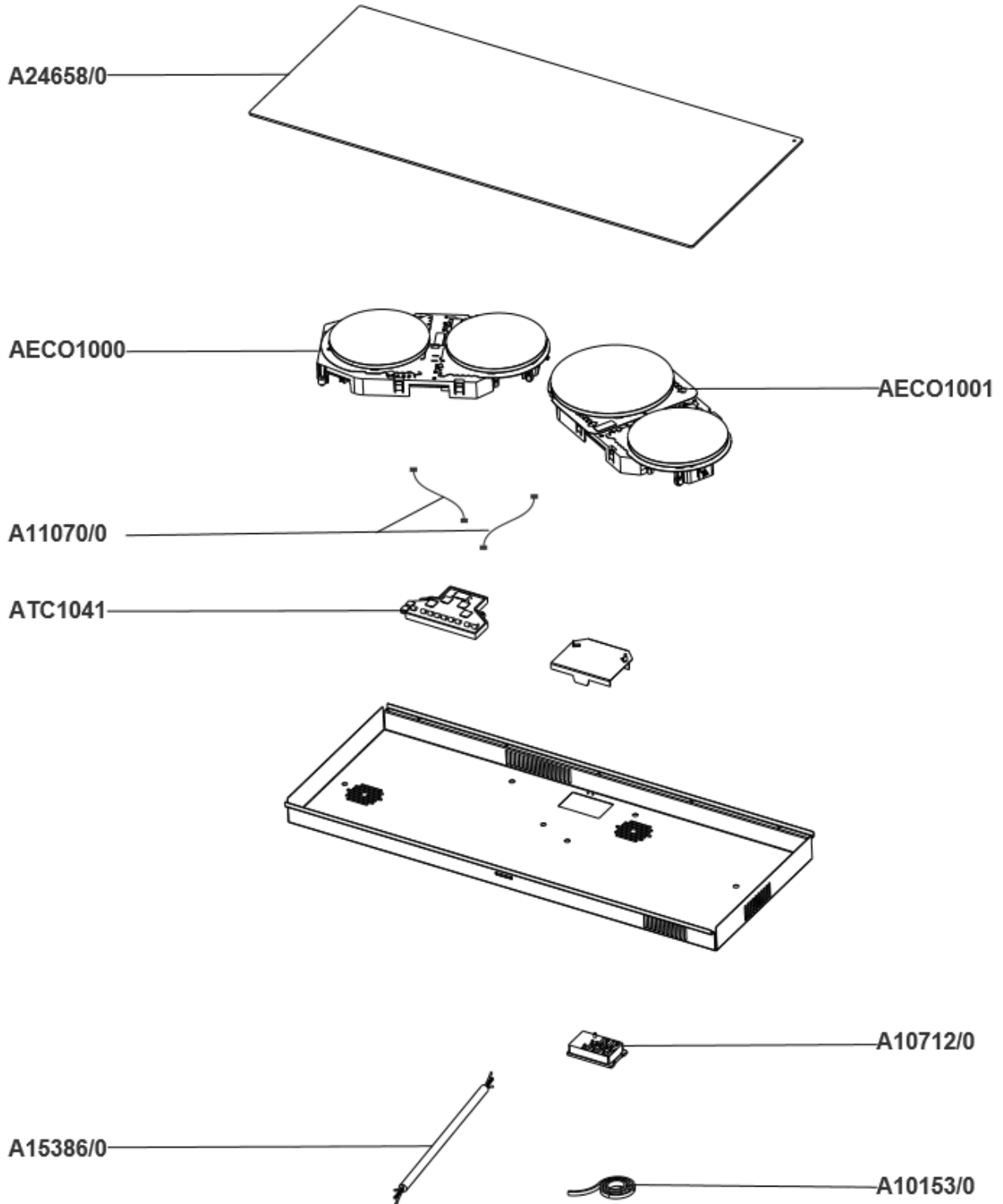


Technical Manual



C876I

Caple Sense Induction Hob Ribbon





C876I

Caple Sense Induction Hob Ribbon

Part Number	Description
A24658/0	GLASS
AECO1000	INDUCTOR 160P/160 IPS
AECO1001	INDUCTOR 200P/160 NIPS
A11070/0	CABLE 4 WIRES FOR INDUCTOR
ATC1041	TOUCH CONRTOL PCB
A15386/0	POWER CORD
A10712/0	CONNECTION BOX
A10153/0	GASKET FOR WORKTOP

C876I Service Manual

1. To detect the wrong breakdowns :

1-1 Connection to the electric network:

- Control the tightening of the screws of the connection box
- Control the section of the cables used (see manual of use)
- Control if the earth wire (green/yellow) is connected

1+2 = phase

4 = neutral

3 = no connection

Earth = obligatory

Alimentation cable: advised with fasten terminal wires (see photograph).

Tightening of the screws: either with a cross screwdriver (PZ N°2), or with a torx screwdriver (T20 footprint) according to the type of terminal block.

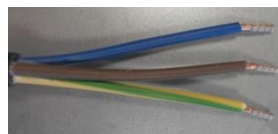
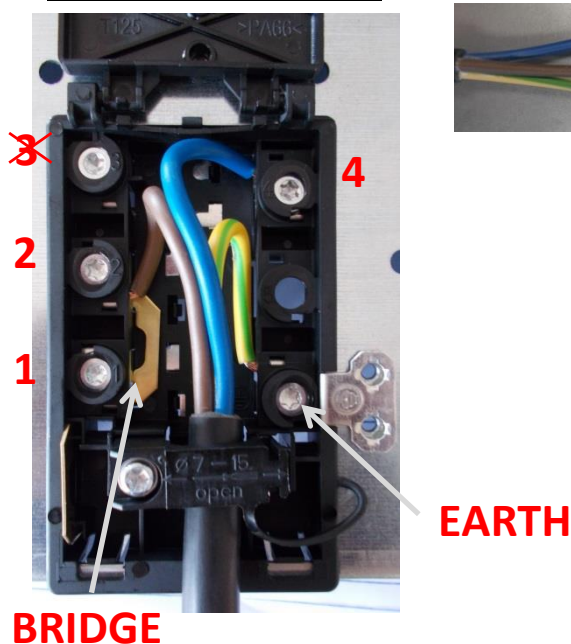
- The checking of the connection and tightening has to be made before any intervention on the hob.

- A bad tightening can be at the origin of a breakdown

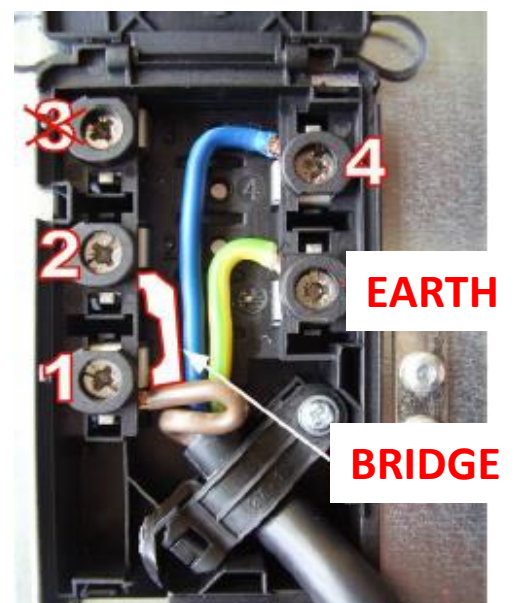
If a bridging is not made correctly or if a screw is badly tightened, there can be the following symptoms:

- If the terminals 1 or 4 are wrong connected, the hob does not switch on (no reaction) because the touch control is not supplied.
- If the terminal 2 is wrong connected, "E5" will appear on the right hand side displays on the right side.

Torx screw terminal block



Philips screw terminal block

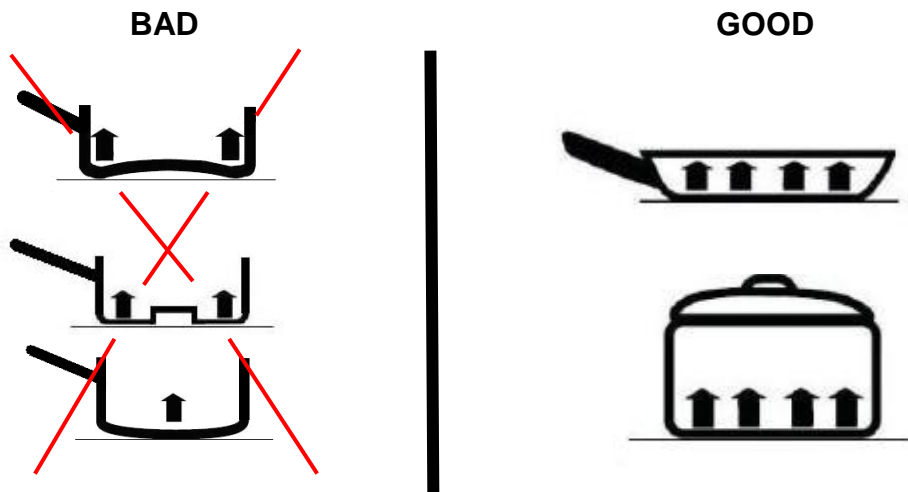


1-2 Installation:

- Control the installation of the gasket under the glass.
- If the glass is glued with silicone → leave the glass in place and dismantle the steel case under the work plan.
- Control the ventilation of the air coming in of the ventilators (minimum 2 cm of space).

1-3 Quality of the pans:

- Control if the pan is compatible with the heating by induction.
- To check by using a „magnet“ that must remain hung on the bottom of the pan or by putting a little water in the bottom of the pan and while making this water heat in position „9“ → water must boil quickly.
- The functioning of an induction generates certain sonority. This one depends on the pans used.
- **Use only pans with flat bottoms. Others risk damaging the hob.**



1-4 Use:

- To start the hob it is necessary to keep the key [0/I] pressed during 2 to 3 seconds.
- During the first times of use, the cooking appliance will release a smell of „new“.

2-5 Ventilation:

- The ventilation starts as soon as the heating zones reach a certain level of temperature.
- This ventilation goes on cooling the heating zones even after the stop of cooking.

3-6 Securities:

- In case of overflow, the hob stops as soon as 2 keys at least of the control panel are covered with the liquid of overflow.
- In case of overheating of the heating zones, an automatic and progressive reduction of the power takes place.

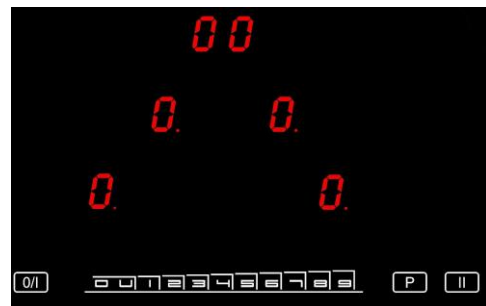
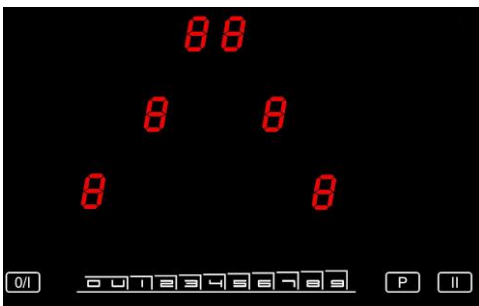
2. To determine the breakdown according to the indications of the control panel.

<u>Display</u>	<u>Designation</u>	<u>Description</u>
0	zero	the heating zone is activated
1...9	level of power	selection of the cooking level
U	pan detection	no pan or inadequate pan
E	Error message	electronic failure
H	residual heat	heating zone is hot
L	locking	the hob is protected

2-1 Fast starting:

With the connection of the hob to the electric network, four “8” are indicated and then get off.

After that, press the key [0/I] (On/Off), « 0 » appears with a blinking point (3 or 4 according to the hob).



If no handling is made within 20 seconds, everything switches off.

Therefore, before the 20 seconds, press with your finger on the display of the cooking zone to use (while having put before a pan with water, a pan which external bottom has been wiped in order to avoid from any scratching of the glass).

Then, either slip on the SLIDER to regulate gradually from 1 to 9, or press the selected level for a direct access.

If no pan is put on the selected cooking zone, or if the pan is taken away during the cooking, or if the pan is not adapted to induction, you will have the following display:



2-2 Locking « L »

To lock the hob:

Press the key [0/I] (On/Off).

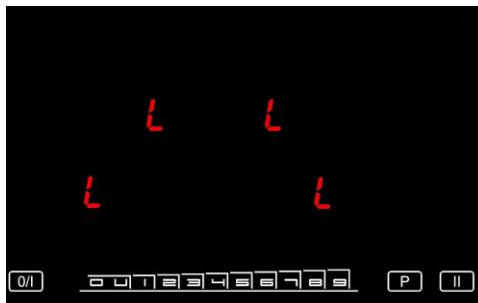
Press at once simultaneously the key “P” and the display of the front right cooking zone for 4 zones hobs and rear right cooking zone for 3 zones hobs.

Then press the key of the cooking zone again.

These 3 operations have to be done within maximum 9 seconds, or else it will be necessary to start again by stopping the hob (key [0/I] (On/Off)).

Once these 3 operations done, the “L” appear on the hob (3 or 4 according to the model) and after this they get off; the hob is so locked.

That corresponds to a main switch, nobody can start the hob anymore (children security) and the hob can be cleaned without fear to put it in function.



To unlock the hob:

Press the key [0/I] (On/Off).

Press at once simultaneously the key « P » and the display of the front right cooking zone for 4 zones hobs and rear right cooking zone for 3 zones hobs.

Then press the key « P ».

These 3 operations have to be done within maximum 9 seconds, or else it will be necessary to start again by stopping the hob (key [0/I] (On/Off)).

Once these 3 operations done, the “L” disappear and the hob can be used again.

Caution:

To cancel the security realized on the hob, it is imperative:

- Either to wait for 20 seconds so that the control lights switches off.
- Or to press the key [0/I] (On/Off) to stop the hob.

If a short circuit occurs after having been put in the security does not cancel the locking.

The electronic keeps indeed this security in memory and at the moment of the re-connexion, the “L” will appear while pressing the key [0/I] (On/Off).

ERROR CODE

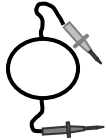
Legend:



Visual Control











No appropriated measure











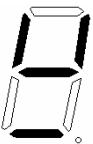



Measure with multimetre



TC = Touch Control panel
 Cable LIN = White Cable 0.25 mm² (ex : connection between TC and Filter Board PCB).
 IHE = Induction Heating Element

Error Code	Description	Potential Failure	Measure	What to do...
E blinking	No error! IHE configurations have been erased			You are in the configuration menu: See description of the configuration procedure
C	No error! Cooking zone can be Configured			You are in the configuration menu: See description of the configuration procedure
-	No error! Cooking zone is configured			You are in the configuration menu: See description of the configuration procedure
C blinking	No error! Cooking zone can be configured			You are in the configuration menu: See description of the configuration procedure

Error Code	Description	Potential Failure	Measure	What to do...
E 2	<p>Temperature sensor indicates overheat of induction coil</p> <p>IHE over temperature Wrong algorithm calculated over-temperature at coil sensor PT-1000 (only for cooking level 9)</p>	<p>Cooking zone has overheated (maybe pot boiled without food...)</p>		<p>A cool down is necessary Error is disappearing when cooling down</p> <p>Replace IHE with sensor if E2 reappears after complete cooling down of cooktop.</p>
E 3	<p>Not adapted pan</p> <p>or</p> <p>Component failure</p>	<p>Some pans lose their magnetic properties due to a overheat of the bottom</p> <p>The pan generates interferences which disturb the functioning of the induction.</p> <p>Some bad pans may destroy some electronic components.</p>		<p>Employment of suitable pan ⇒ Replace the pan</p> <p>Replace IHE</p>
E 4	<p>IHE is not configured</p> <p>Communication failure between TC and IHE</p> <p>Component failure</p>	<p>Defective or missing Lin Bus cable between CU and IHE</p> <p>Missing voltage supplying of the IHE</p> <p>Failure on the IHE</p>		<p>Configure again, with the manual procedure</p> <p>Check and/or change the Lin Bus cable</p> <p>Check the voltage of the IHE</p> <p>Replace the IHE</p>
E 5	<p>Communication failure between TC and IHE</p>	<p>Defective Lin Bus cable</p> <p>Absence of power supply</p> <p>IHE not connected</p>		<p>Check the mains connection</p> <p>Check and/or change Lin Bus cable</p> <p>Replace the IHE</p>

Error Code	Description	Potential Failure	Measure	What to do...
E 6	Network failure	Frequency problem Overvoltage		Check the frequency and voltage Replace the IHE
E 7	Unknown error	Compatibility problems between IHE and TC		Replace IHE or TC
E 8	Fan failure	Fan or control electronics defect		Replace IHE
E 9	Temperature probe PT 1000	Temperature probe PT 1000 is defective		Replace IHE
E A	Hardware failure	Hardware failure		Replace IHE
E C	Configuration failure	2 cooking zones are connected on the same key		Configure again with the manual procedure
E H	Fixed resistor recognition	If there is no temperature change at the cook place after activation of cooktop within 5 minutes, error display shows message "E H"		Induction cooktop has to cool down

Error Code	Description	Potential Failure	Measure	What to do...
No display / Function	Wrong connection Error on Touch Control	Defect mains connection Component part error on TC Component part error on IHE		<p>As soon as the hob is installed, please check if it works properly. If you cannot turn on the appliance, please double check the electrical connections on both sides of the power cord. A wrong connection that lasts more than 30 minutes will cause permanent damage that is not covered by the warranty.</p> <p>Check the mains connection</p> <p>replace TC</p> <p>replace IHE</p> <p>Review or replacement of Lin Bus Cable</p>
	Incorrect pot detection	Pan not adapted Component failure on IHE	 	<p>Use an adapted pan</p> <p>Replace IHE</p>
Cyclic bar display Er31 Er47	TC	Defective or missing Lin Bus cable between CU and IHE TC failure		<p>Reconfigure the TC</p> <p>Review or replacement of Lin Bus Cable</p> <p>Replace TC</p>

Error Code	Description	Potential Failure	Measure	What to do...
Er22	Key evaluation defect, Touch Control switches off after 3,5-7,5s.	Short circuit or interruption around key evaluation	✕	Replace TC
Er 03 + continuously "sound" Or symbol: 	Continuous key activation, Control switches off after 10s	Liquid or cookware on glass above control		Clean glass ceramics
Er 20	Flash error Data not plausible Programming options wrong	Component part error on Touch Control	✕	replace Touch Control
Cooking level back to 0	Power level returns automatically to zero	Component part error on IHE	✕	Replace IHE
L	No mistake!	Safety device for children activates	✕	Desactivate the safety device for children (see instruction manual)

CONFIGURATION PROCEDURE

What to do when the symbol [E 4] appears :

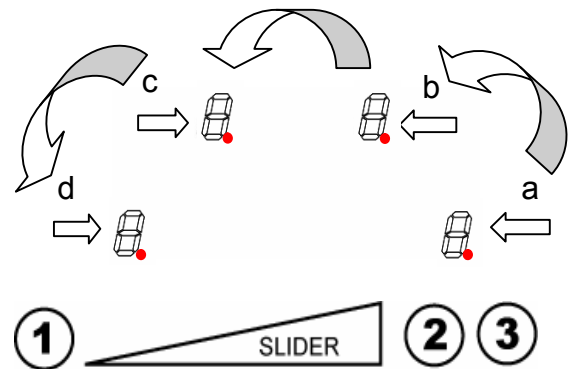
I) The hob must be reconfigured according to the following procedure :

Before you start the procedure :

- Make sure that there is no more pot on the hob.
- Use a pan adapted to induction.
- Disconnect the appliance from the electrical network by removing the fuse or turning the circuit breaker off
- Reconnect the table to the electrical network.
- It is necessary to start the procedure within 2 minutes after the connection of the hob to the electrical network.
- Do not press the [O/I] key.

II) Cancellation of the existing configuration :

- 1) Press the **key n°2** and hold down.
- 2) The symbol [•] will appear on each display
- 3) With your other hand, press successively and quickly (less than 2s) on each [•] display. Begin from the front right side and turn contrary clockwise as described on the picture (a -> b -> c -> d)).
A double "beep" means an error occurred.



If so, start again from item 1).

- 4) Remove your fingers from the touch control, then **push again on touch 1** during few seconds, until blinking [E] symbols appear.
- 5) Wait until [E] symbols stop blinking.
- 6) After few seconds, [E] are automatically transformed in [C]. The existing setup has been cancelled.

Note: For induction hobs with 3 cooking zones, as the right front zone doesn't exist in this case, begin the procedure with the right rear zone (b).

III) How to reconfigure the hob ?

- 1) Take a ferromagnetic pot with a minimum diameter of 16 cm
- 2) Select a cooking zone by pushing on the corresponding [C] display
- 3) Place the pot on the area to be set
- 4) Wait until the [C] display becomes a [-]. The selected cooking zone is now configured.
- 5) Follow the same procedure for each cooking zone with a [C] display.
- 6) All the cooking zones are configured once all the displays are turned off.

Please use the same pot for the whole procedure.

Never put several pots together on the zones during the setup-process.

- If [E 4] displaying remains, please call the customer care



WIRING DIAGRAM

