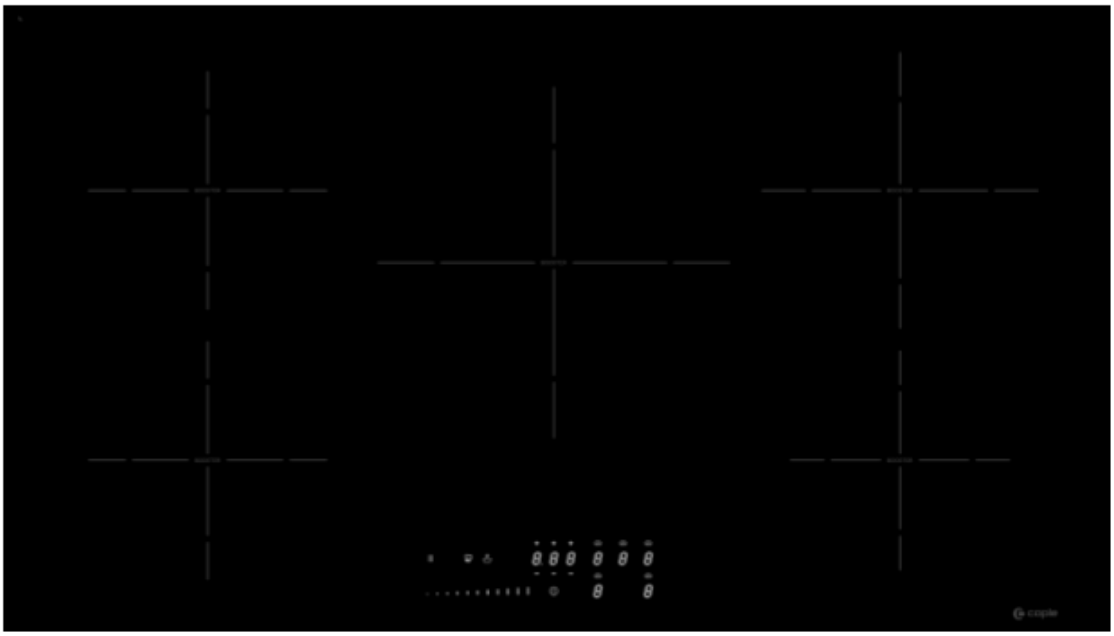
C901I

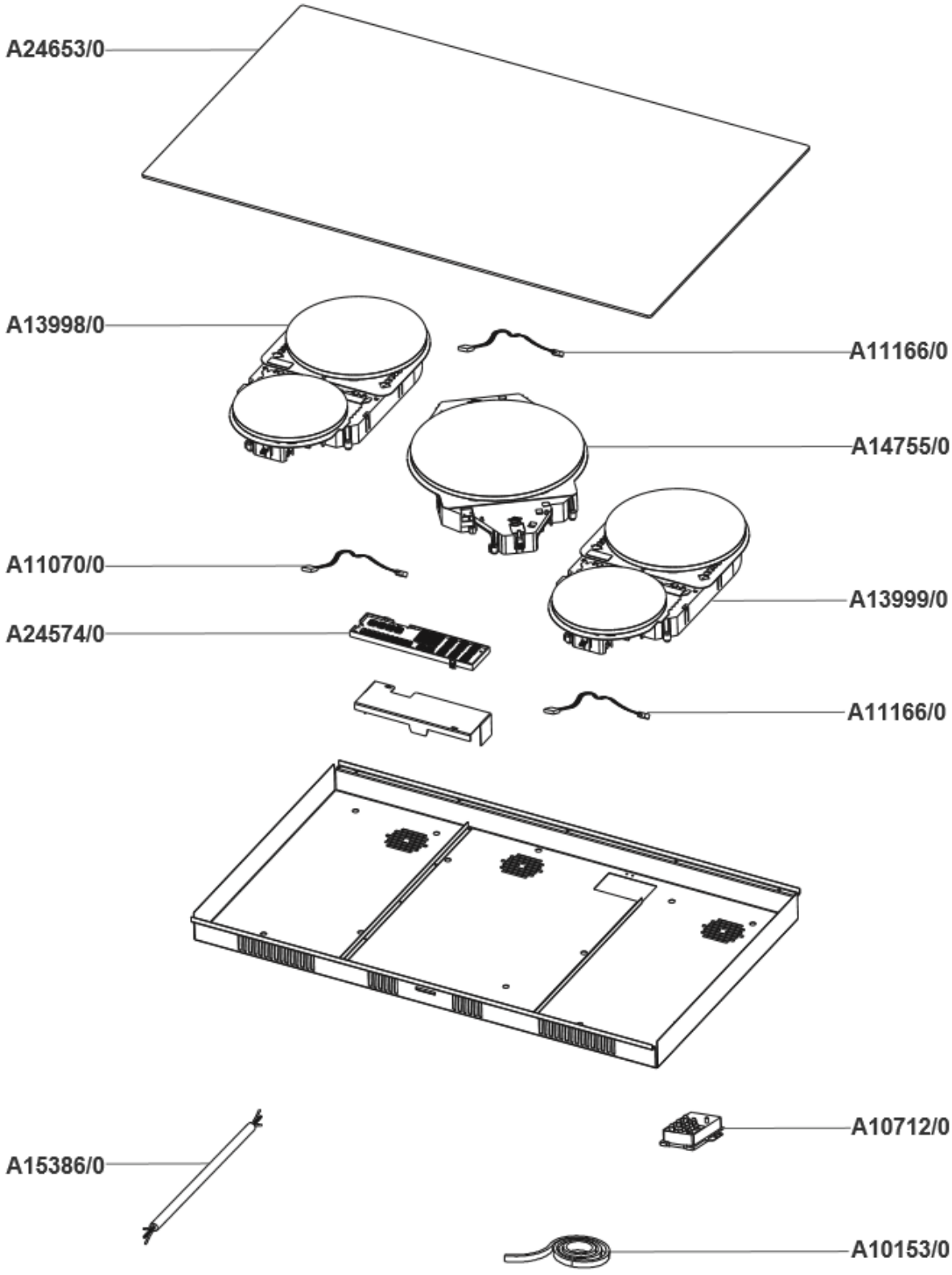
# Caple Sense 90cm Touch Induction Hob



Technical Manual

C901I

Caple Sense 90cm Touch Induction Hob



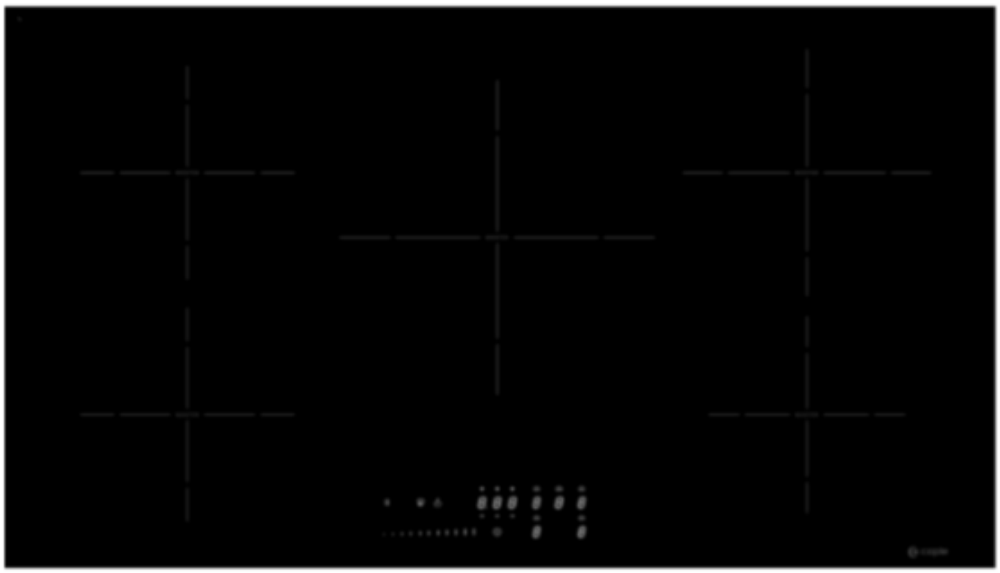
C901I

Caple Sense 90cm Touch Induction Hob

| Part Number | Description |
|---|---|
| A24653/0 | GLASS |
| A13998/0 | INDUCTOR 160P/160 IPS |
| A11166/0 | CABLE 4 WIRES |
| A14755/0 | INDUCTOR 250P NIPS |
| A13999/0 | INDUCTOR 200P/160 NIPS |
| A11070/0 | CABLE 4 WIRES FOR INDUCTOR |
| A24574/0 | TOUCH PCB |
| A11166/0 | CABLE 4 WIRES |
| A15386/0 | POWER CORD |
| A10712/0 | CONNECTION BOX |
| A10153/0 | GASKET FOR WORKTOP |

C901I

# Caple Sense 90cm Touch Control Induction Hob



Service Manual

Caple C901I Induction Hob

# INDUCTION HOB G5 – TC SLIM SLIDER

## 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.

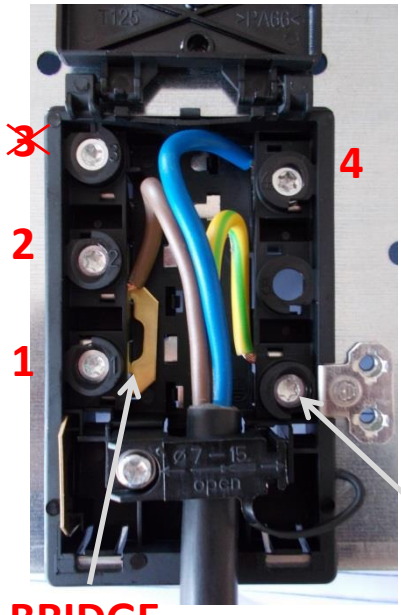
- The checking of the connection and tightening has to be made before any intervention on the hob.

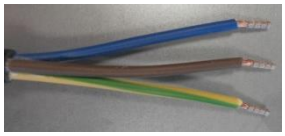
**-** A bad tightening can be at the origin of a breakdown

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

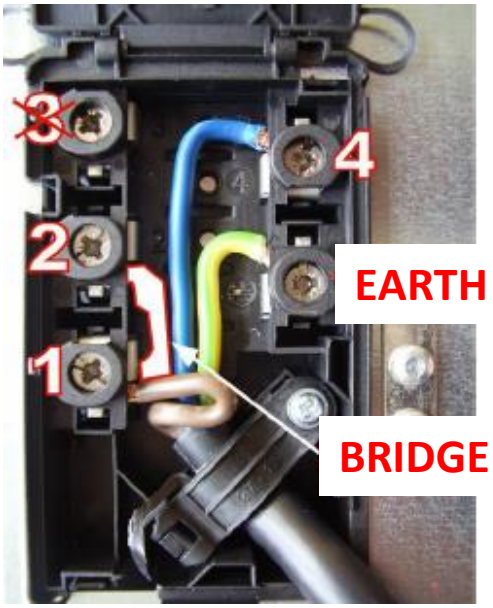
- If the terminals 1 or 4 are wrong connected, the hob does not switch on (no reaction) because the touch control is not supplied.
- If the terminal 2 is wrong connected, “E5” will appear on the right hand side displays on the right side.

Torx screw terminal block



Philips screw terminal block

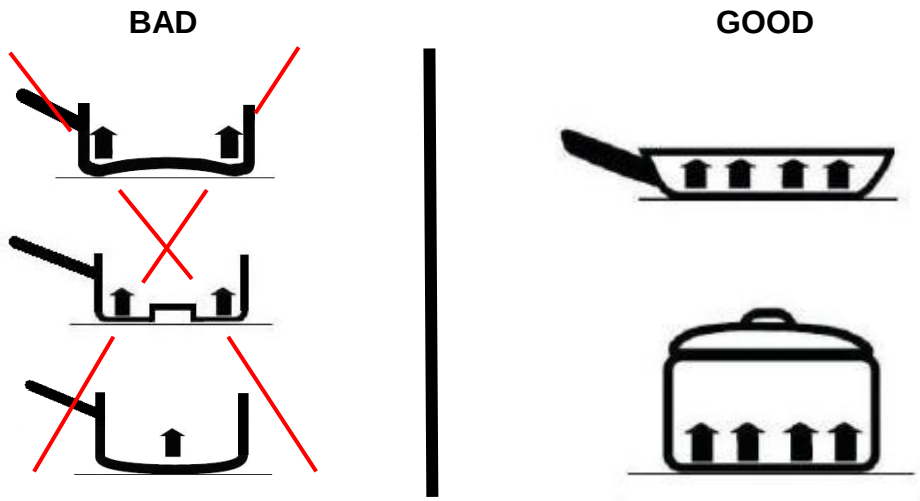


## 1-2 Installation :

- Control the installation of the gasket under the glass.
- If the glass is glued with silicone and in case of an after sales service: leave the glass in place and dismount the steel case under the work plan.
- Control the ventilation of the air coming in of the ventilator (minimum 20 mm of space).

## 1-3 Quality of the pans :

- Control if the pan is compatible with induction.
  - either a „magnet“ must remain hung on the bottom of the pan
  - or put a little water that must quickly boil at the power level „9”.
- The functioning of an induction generates a 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 press the key [0/I] during 2 to 3 seconds.
- During the first times of use, the cooking appliance will release an smell of „new“.

## 1-5 Ventilation :

- The ventilation starts as soon as two heating zones are switched on.
- This ventilation goes on cooling the heating zones even after the stop of cooking.

## 1-6 Securities :

- In case of overflow, the hob stops as soon as 2 keys at least of the control panel are covered.

- 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.

### 2-1 Normal Display (according to the models)

| Display | Designation | Description |
|---|---|---|
| 0. | Zero | The heating zone is activated. |
| 1…9 | Power level | Selection of the cooking level. |
| U | No Pan detection | No pan or inadequate pan. |
| A | Heat accelerator | Automatic cooking. |
| H | Residual heat | The heating zone is hot. |
| P | Booster | The booster is activated. |
|  | Double booster | The double booster is activated. |
| U | Keep warm | Maintain automatically of 42, 70, or 94°C. |
| II | Pause | The hob is in pause. |

### 2-2 Display of an error message :

| Display | Designation | Description |
|---|---|---|
| E | Error message | Electronic hardware failure. |
| Er | Error message | Electronic software or TC failure. |

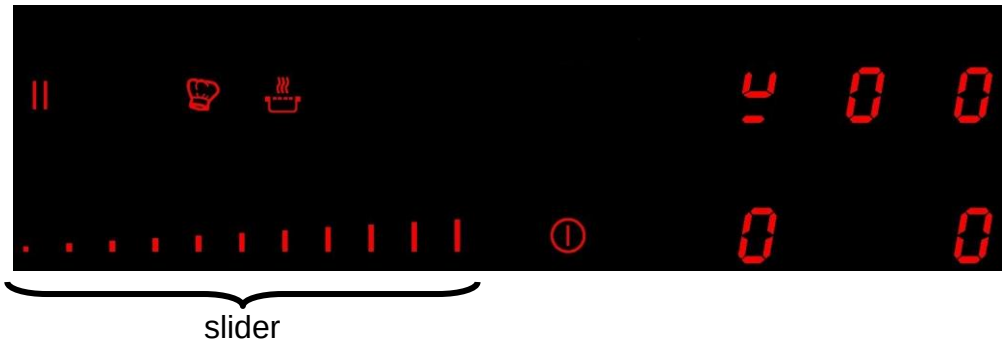
Example of error display 31 : “Er” blinks with “31”

## 2-3 Fast starting :

When the hob is connected to the electric network, the displays' segments scroll clockwise.
After that, press the key [0/I] (On/Off), « 0 » appears.

If no handling is made within 20 seconds, everything switches off.
So, slide on the « slider » to regulate gradually from 1 to 9, or press the selected level for a direct access before 20 seconds (First put a pan with a little water. The bottom of the pan has to be cleaned to avoid from any scratching).

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:



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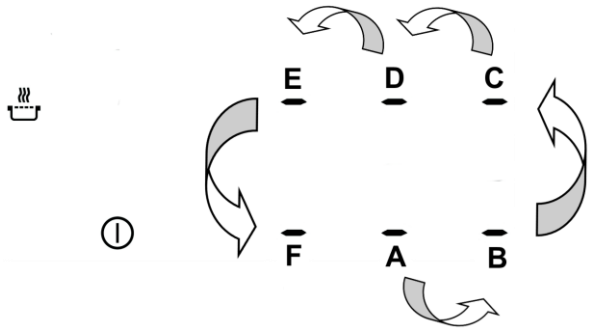
# PROCEDURE OF CONFIGURATION (E4) - TC SMART SLIDER




A. Disconnect the hob from **the electrical network**.

B. Connect the network and take into account that the configuration setting has to be made in a **maximum time of 2 minutes** (If the time goes over, the procedure must be begun again from stage A).

C. **Do not switch on** the hob by pressing key **[ ⏻ ]**.

D. **Press and keep the finger** on key **[ ♨ ]** until you hear a “Beep”.

E. Then, press on each display in the order « A-B-C-D-E-F » until you hear a “Beep”.

F. Remove your fingers from the touch control, then push again on touch **[ ⏻ ]** during few seconds, until blinking **[ E ]** symbols appears.

G. Wait until **[ E ]** symbols stop blinking. After few seconds, **[ E ]** are automatically transformed in **[ C ]**. The existing setup has been cancelled

H. Take a ferromagnetical pot with a minimum diameter of 16 cm. Select a cooking zone by pushing on the corresponding **[ C ]** display. Place the pot on the area to be set. Wait until the **[ C ]** display becomes a **[ - ]**. The selected cooking zone is now configured.

I. Follow the same procedure for each cooking zone with a **[ C ]** display.
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.

The hob is now ready to be used.

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# ERROR CODES

**Legend:**


Visual Control


No appropriated measure


Measure with multimetre

TC = Touch Control panel
Cable LIN = White Cable 0.25 $mm^2$ (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!**<br>IHE configurations have been erased | |  | You are in the configuration menu:<br>See description of the configuration procedure |
| **C** | **No error!**<br>Cooking zone can be Configured | |  | You are in the configuration menu:<br>See description of the configuration procedure |
| **-** | **No error!**<br>Cooking zone is configured | |  | You are in the configuration menu:<br>See description of the configuration procedure |
| **C blinking** | **No error!**<br>Cooking zone can be configured | |  | You are in the configuration menu:<br>See description of the configuration procedure |

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

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| Error Code | Description | Potential Failure | Measure | What to do… |
|---|---|---|---|---|
| **E 6** | Network failure | Frequency problem<br><br>Overvoltage |  | Check the frequency and voltage<br><br>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 |

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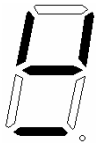
| Error Code | Description | Potential Failure | Measure | What to do… |
|---|---|---|---|---|
| **No display / Function** | Wrong connection<br><br>Error on Touch Control | Defect mains connection<br><br>Component part error on TC<br><br>Component part error on IHE |  | As soon as the hob is installed, 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.<br><br>Check the mains connection<br><br>replace TC<br><br>replace IHE<br><br>Review or replacement of Lin Bus Cable |
|  | Incorrect pot detection | Pan not adapted<br><br>Component failure on IHE |  <br>  | Use an adapted pan<br><br>Replace IHE |
| **Cyclic bar display**<br><br>**Er31**<br><br>**Er47** | TC | Defective or missing Lin Bus cable between CU and IHE<br><br>TC failure |  | Reconfigure the TC<br><br>Review or replacement of Lin Bus Cable<br><br>Replace TC |

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| 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"**<br>**Or symbol:**  | Continuous key activation, Control switches off after 10s | Liquid or cookware on glass above control |  | Clean glass ceramics |
| **Er 20** | Flash error<br>Data not plausible<br>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) |

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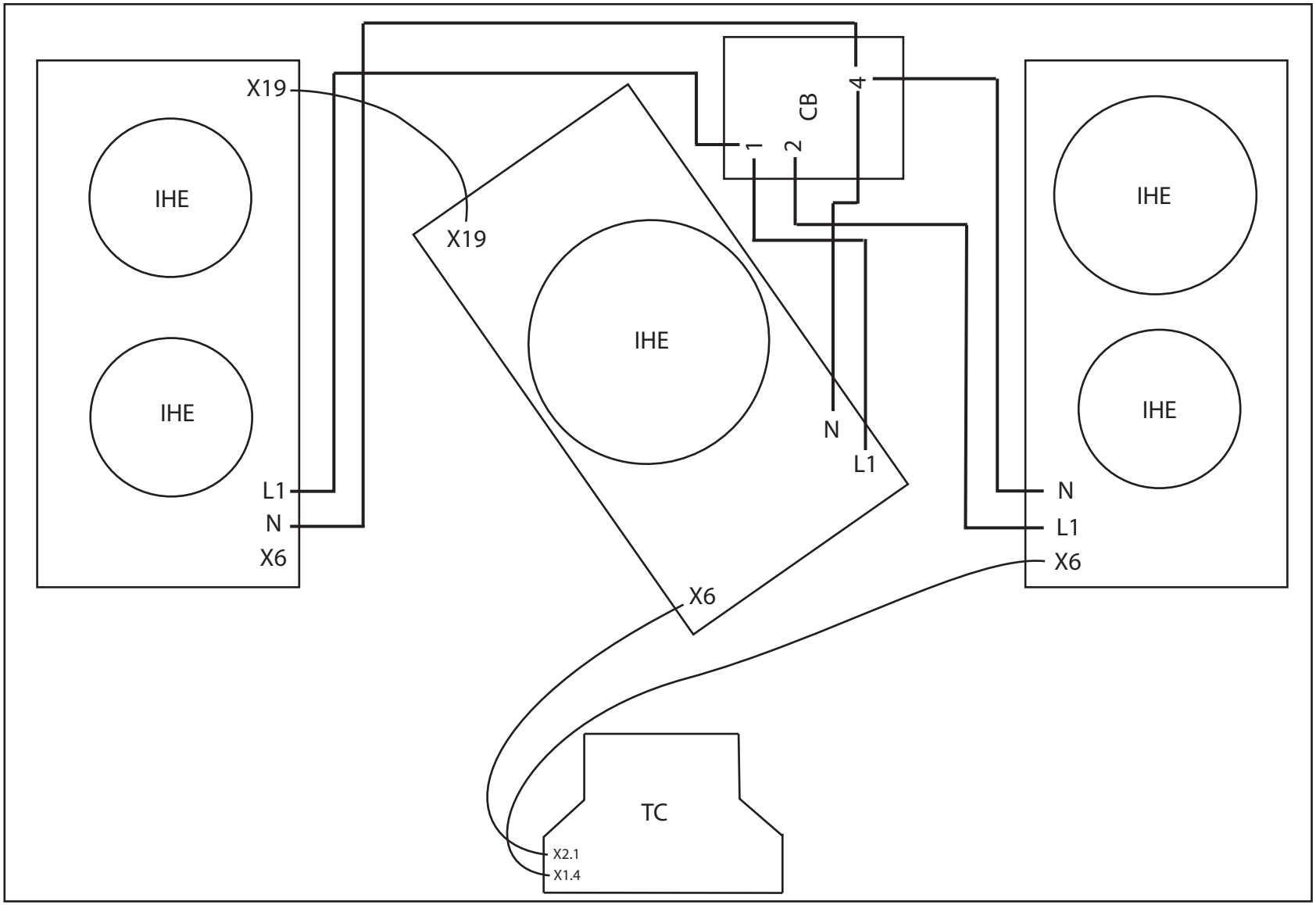
# WIRING DIAGRAM




IHE : Induction Heating Element
TC : Touch Control
CB : Connection Box