SERVICE MANUAL

COOKERS

Built-in hob

Interface
Kite 2

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1. ESD=electrostatic discharge

As the single electronic interfaces are not protected internally against statical electricity and are partially open, you must pay attention to that, in case of a repair, there will be a potential compensation via the housing of the appliance (touch it) in order to neutralize a possible charging and to prevent a damaging of the affected electronic interface.

You also have to be careful with those electronics delivered as spare parts, which have to be put out of the ESD protective package only after a potential compensation (discharge of possible statical electricity).

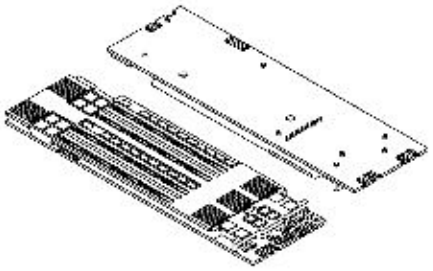
If a potential compensation with an existing static electricity is not executed, it does not mean that the electronic is demaged directly. Consequential damages may result due to the damaging of internal structures which arise only in case of load through temperature and current.

Endangered are all assembly groups which are provided with control entries, wire paths lying open and free-accessible processors.

2. Overview

Kite 2 enlarges the product range with slider interface for direct power level access.

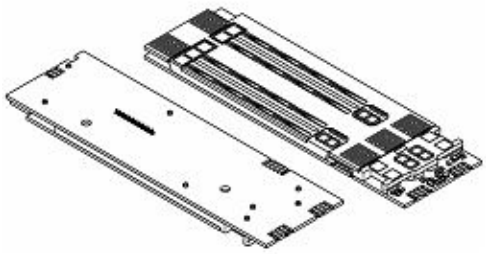
2.1 Interface Kite Split Bargraph



Variants:
- Induction
- Radiant 230 V

Definitions
- Kite = Slider technology
- Split = Interface left and right
- Bargraph = light chain for displaying power level

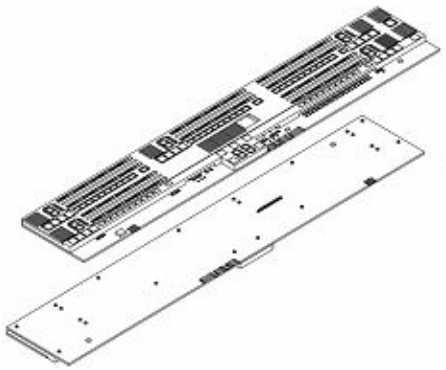
2.2 Interface Kite Split with 7-Segment Display



Variants:
- Induction
- Radiant 230 V
- Radiant 400 V

Definitions
- Kite = Slider technology
- Split = Interface left and right
- 7-S.D. = 7 Segments to display

2.3 Interface Kite 5-zone



Variants:
- 7-Segment Display
- Bargraph
- Radiant
- Induction

Definitions
- Kite = Slider technology
- Split = Interface left and right
- 7-S.D. = 7 Segments to display
- Bargraph = light chain for displaying power level

2.4 Configuration

The input electronics is self-configuring. This configuration defines:
- Power / size of the cooking zone
- Key-lock and stop & go function
- Power levels (9 / 14)

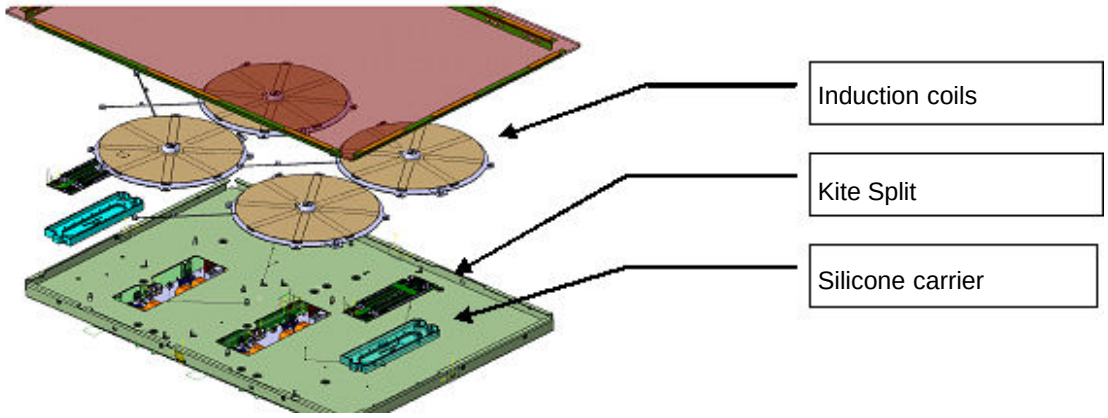
If the configuration is not matching to the interface functions are not available or the display of the 7-Segement /Bargraph is not logic.

2.5 Firmware

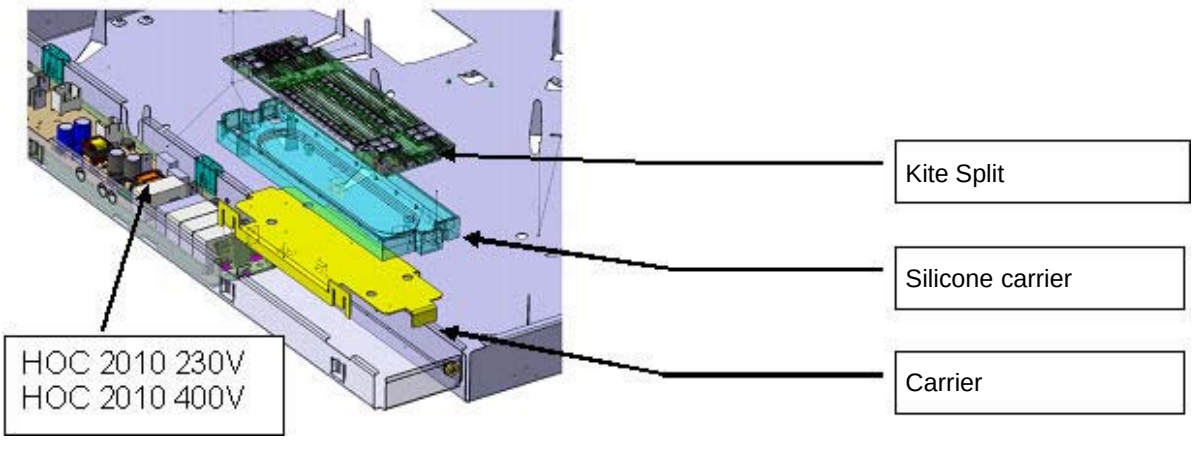
The firmware is the software to control the interface independent on the configuration.

3. Position of the input electronics

3.1 Split interfaces for induction hobs



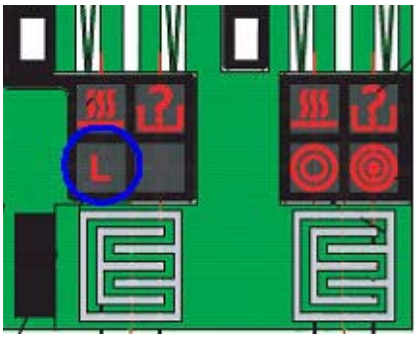
3.2 Split input electronics for hobs with radiant heating



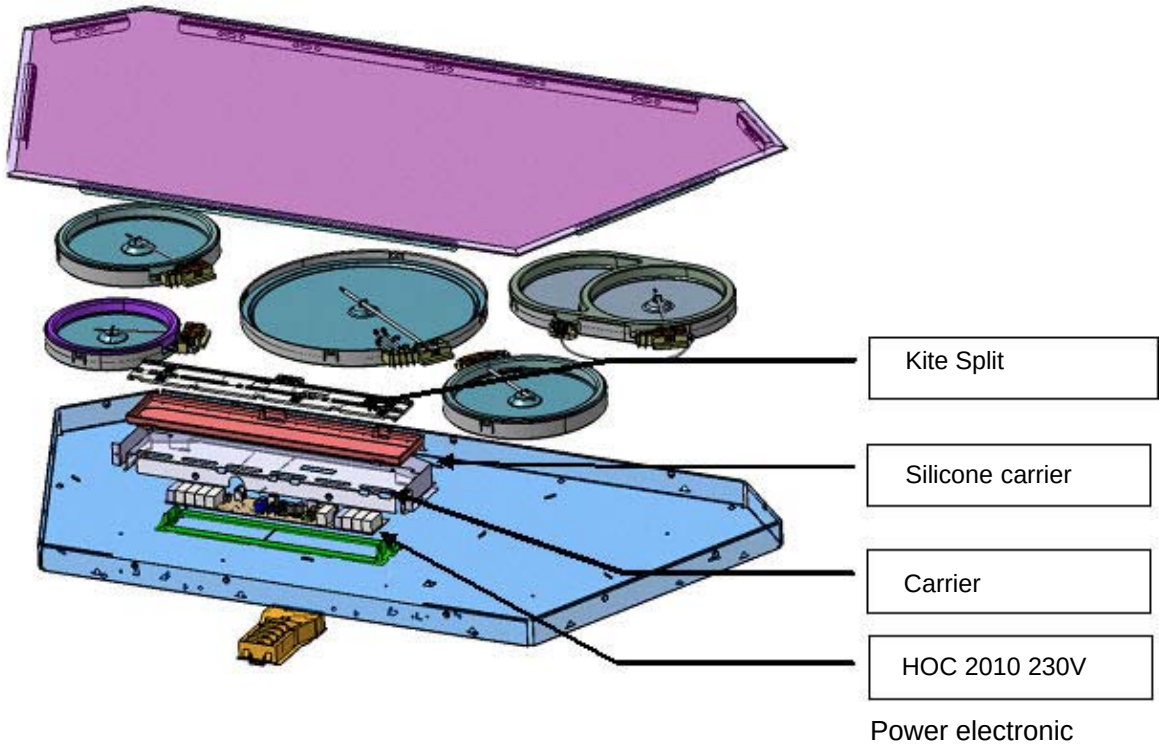
Power electronic

3.3 Differentiation between the input electonics right / left

The hardware of the electronic is for the left and right interface the same. The difference is the lasered on the top. The lasered ANCs is near the timer display. To make sure that the left and the right interface in places correctely one illuminated field is lasered with “R” for tight display and “L”.



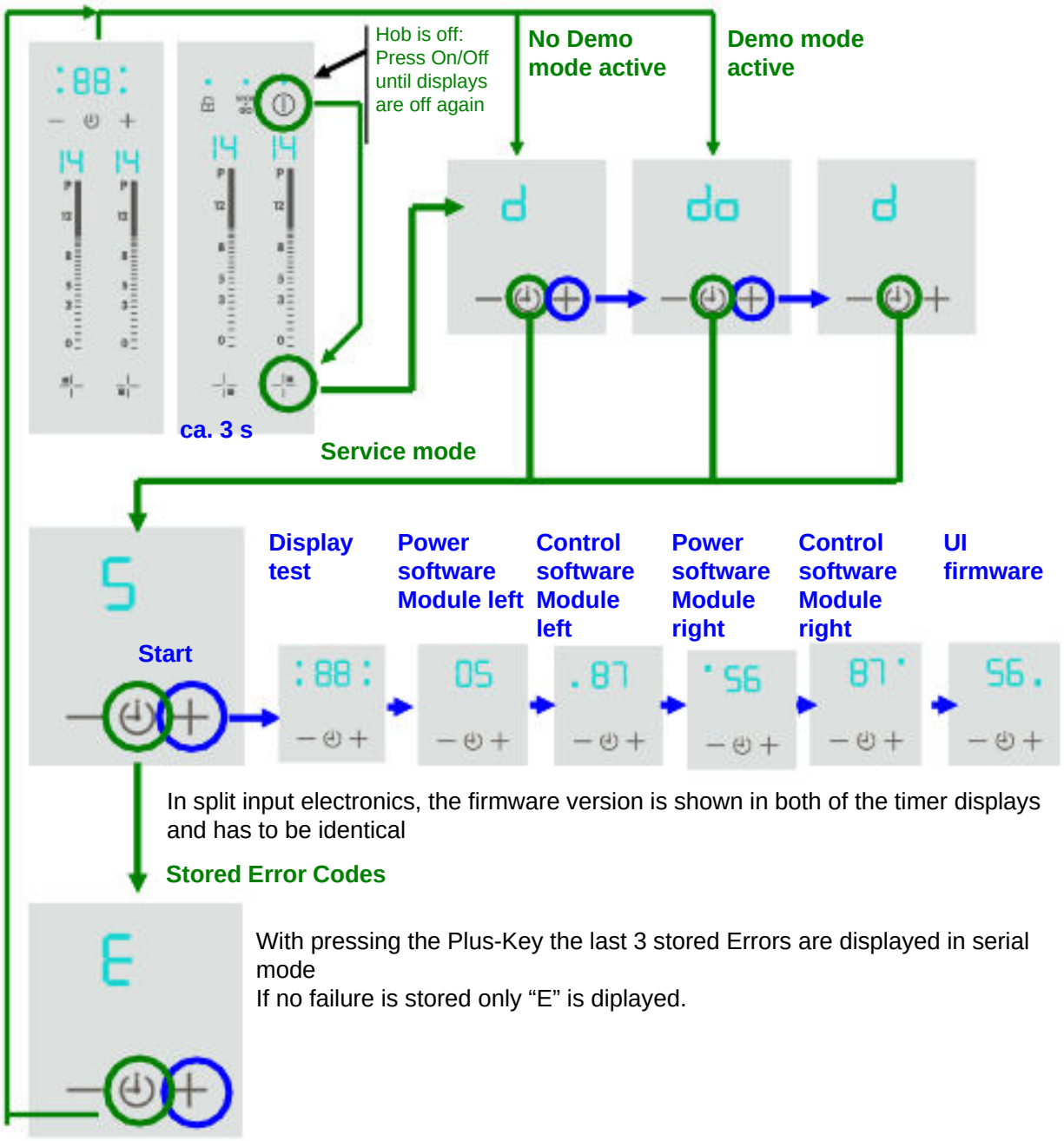
3.4 5-zone input electronics for cooking hobs with radiant heating



Power electronic

4. Service Menue

4.1 Induction split input electronics (UI)

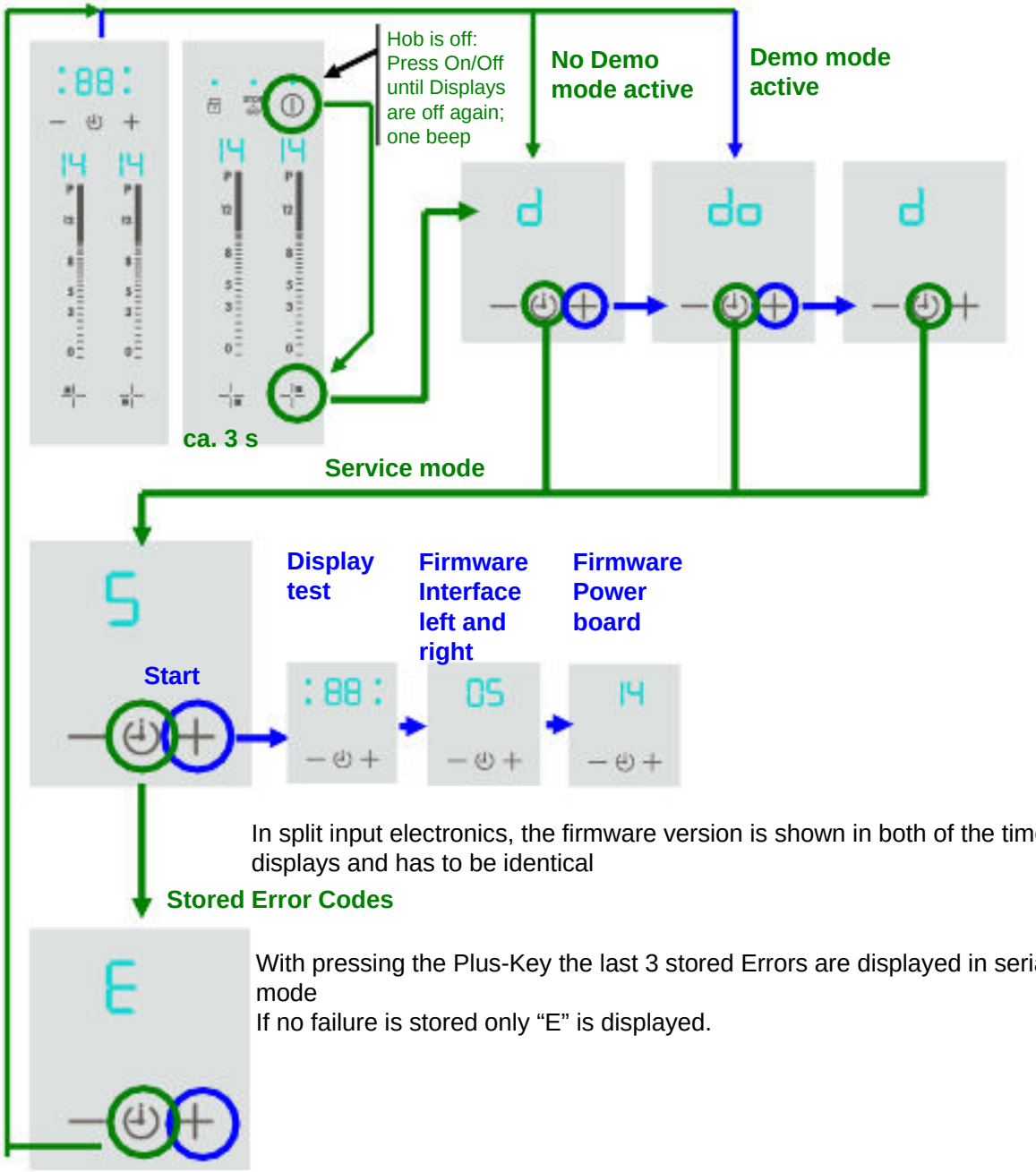


In split input electronics, the firmware version is shown in both of the timer displays and has to be identical

Stored Error Codes

With pressing the Plus-Key the last 3 stored Errors are displayed in serial mode
If no failure is stored only “E” is diplayed.

4.2 Radiant-heated cooking hobs with split input electronics

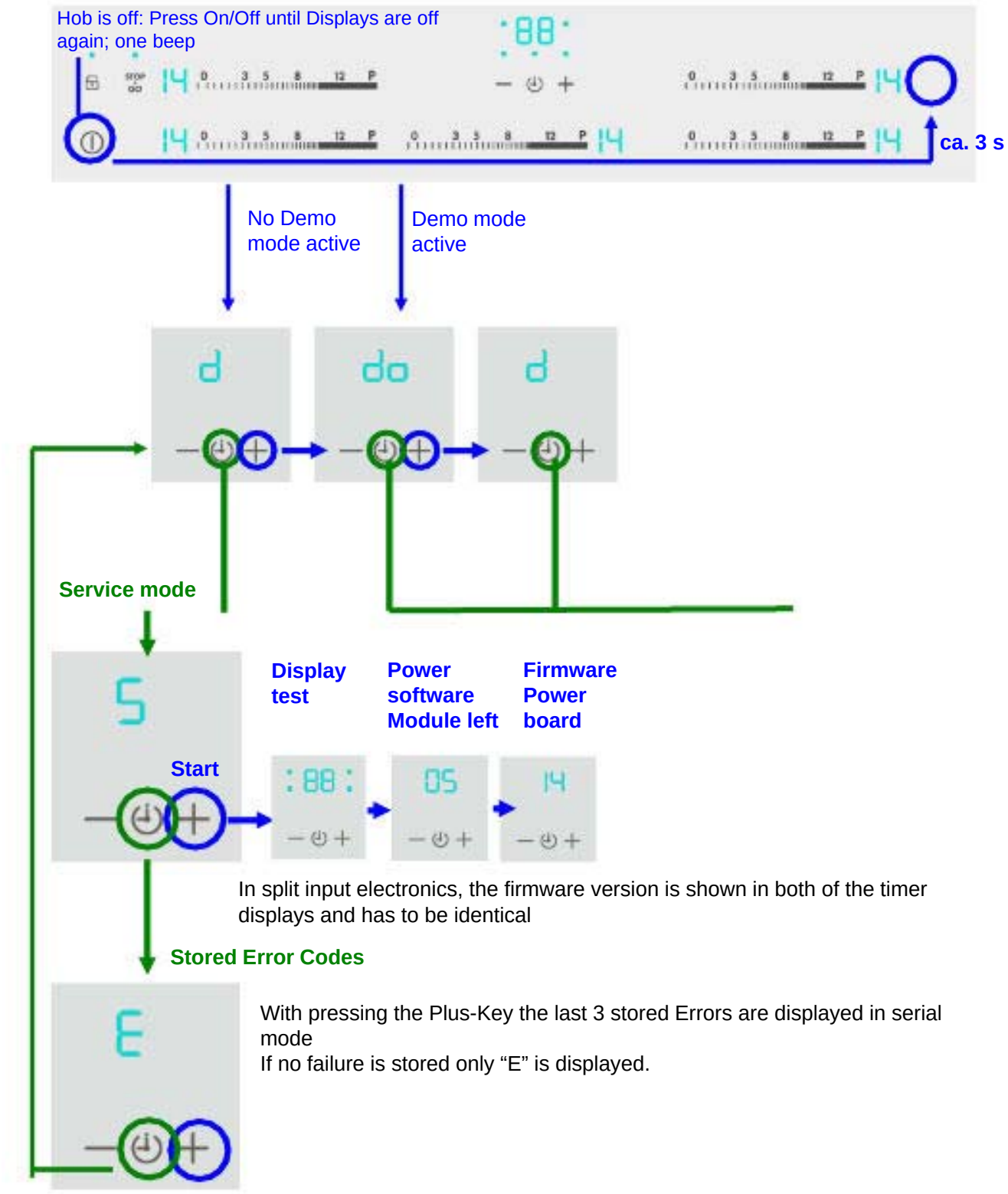


In split input electronics, the firmware version is shown in both of the timer displays and has to be identical

Stored Error Codes

With pressing the Plus-Key the last 3 stored Errors are displayed in serial mode
If no failure is stored only “E” is displayed.

4.3 Five-zone input electronics



In split input electronics, the firmware version is shown in both of the timer displays and has to be identical

With pressing the Plus-Key the last 3 stored Errors are displayed in serial mode
If no failure is stored only “E” is displayed.

4.4 Error Codes induction hobs

Error in the timer display	Failure	Solution for 5-zone induction
E0	Configuration Error of Interface	Exchange Interfaces
E1	Compatibilty failure	Exchange Interfaces
E2	n/a	-
E3	Overvoltage; wrong connection	Check power supply
E4	Temperature sensor coil defect	The zone with the defect sensor displays “E” or “?” Change the Coil of the displayed zone
E5	Supply voltage out of range	1. Check Voltage and Frequency 2. Exchange module left side
E6	Induction module defect	Change module left with power supply
E7	“E7” in Timer display + “E” or “?”in the left zones	Change induction module on the left side
	“E7” in Timer display + “E” or “?”in the right zones	Change iduction module on the right side
E8	Communication error with the power board	1. Check supply connection 2. Check wiring between interface and power board 3. Change induction module
E9	Internal interface error	Exchange interface with silicone carrier

Remark for hobs with left and right interface:
If a Error occurs the hob switches off automatically. Switch the hob on again the error is displayed again. Afterwards the Error disaapears and the defect side is shown by the displays “?” for bargraph or “E” in the 7-segment displayes.

4.5 Error Codes for cooking hobs with radiant heating

Error in the timer display	Failure	Solution
E0	Configuration Error of Interface	Exchange Interfaces
E1	Compatibilty failure	Exchange Interfaces
E2	Pot detection error	If pot detection is available change Pot detection electronic
E3	n/a	-
E4	n/a	-
E5	Supply voltage out of range, one phase missing	1. Check Voltage and Frequency 2. Exchange module right side
E6	Induction module defect	Change module left with power supply
E7	“E7” in Timer display + “E” or “?”in the left zone	Exchange displayed heater with pot detection senor and calibrate new
E8	Communication error with the power board	1. Check supply connection 2. Check wiring between interface and power board 3. Change induction module
E9	Internal interface error Liquid blocks interface	Exchange interface with silicone carrier

5. Failure detection

Detected failure	Possible Failure	Solution
Displayes keeps dark	Power supply incorrect	Check supply voltages of all phases; Check mainsterminal if connected right
LED check after reset of mains	Distance between interface and glass is too large	Exchange interface with silicone carrier
No displays after reset of mains	Interface is defect	Change interface
	No 5 Voltage on the bus	1. Check wirings 2. Exchange powerboard (left)
Radiant heater is not working	Demo mode is active	Remove demo mode in the service menue
	Relay for heater is defect	Check if a click of the relay is to hear if not the power board is defect
	Heater is defect	Check the resistance of the heater with a multimeter. The resistance need to be lower than 100Ohm If it is higher exchange heater
More than one heater is not working	Phase is missing, Connection is not right	Check voltage on mains connection; Check cable connection in the main terminal