

Electrolux

ELECTROLUX HOME PRODUCTS PTY LTD

ABN 51 004 762 341

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SERVICE MANUAL

Kite-C User Interface Nanda Devi Power Board

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SAFETY INFORMATION

Under NO circumstances should any service work be carried out unless you are qualified and licensed as per Federal, State and Territory requirements.

General Safety

- Work should not be undertaken on any electrical appliance without first checking the earthing integrity of the appliance and electrical supply.
- A safety audit should be carried out of the work area to ensure the area has adequate room to work in and is free from any hazards that may cause any injury to yourself and any other person in the vicinity.
- After repair, product has to be reassembled as it was which complies with specification of the Manufacturer to ensure product is safe to operate both mechanically and electrically.

Electrical Safety

- Under NO circumstances should changing or repairs to parts be carried out on live appliances. Any changing or repair to parts must be done with the appliance removed from the electrical supply. Failure to do so may result in injury or death.
- After any work is completed the earthing integrity of the appliance must be checked.
- If you need to do electrical testing with the product live the following must be observed:
 - It must be on a circuit with earth leakage protection.
 - As much skin as possible should be covered to reduce the chances of coming into contact with live terminals
 - All jewellery should be removed.
 - There should not be any water/moisture on the ground.
 - A safety sign should be displayed to warn others of the danger.

Running appliances with panels/covers removed

- All the electrical safety procedures above must be observed.
- Care must be taken not to come into contact with moving parts.
- Loose clothing or jewellery that can become entrapped should not be worn.
- If handling or working near sharp edges the appropriate personal protection equipment must be used.
- Safety eyewear should be used if removing parts that may “spring and fly” if they slip off a tool. Eg removing a spring which is under compression.
- Any removed panels that have sharp edges should be placed where they do not cause any danger of injury to yourself or others.
- A safety sign should be displayed to warn others of the danger.
- If handling or working in a dusty area or with Dust Product, dust mask or appropriate PPE should be used.

Refrigeration

- Ensure you know which refrigerant is in the appliance so the correct gas handling procedures can be used. Failure to use the correct procedure may result in injury.
- If hot work needs to be done ensure all the surround area is safe and free from combustibles. Where necessary heat shielding should be used.
- Ensure pipework has cooled down before touching.
- When handling gas make sure all necessary PPE is used.
- Ensure there is enough ventilation.
- Place warnings signs so others know flames/smoking must not be in the area.

Gas Safety

- Under no circumstances should a naked flame be used, eg match, lighter etc, to try and find a gas leak, only an appropriate gas leak detector or soapy water should be used.
- When converting an appliance to another gas type, the gas type label supplied must be fitted in the appropriate area.
- Always ensure the product is connected to the correct gas type.
- When working with a gas leak place warnings signs so others know flames/smoking must not be in the area.
- After fixing a gas leak do not try and ignite the burner(s) until any remaining escaped gas has dissipated.

TOOLS

Standard tools

- Pliers;
- Side cutters;
- Long nose pliers;
- Phillips screwdriver;
- Flat blade screwdriver;
- Torx bits;
- Shifter;
- Insulation tape;
- PTFE tape
- Polishing cloth;
- Antistatic strap;

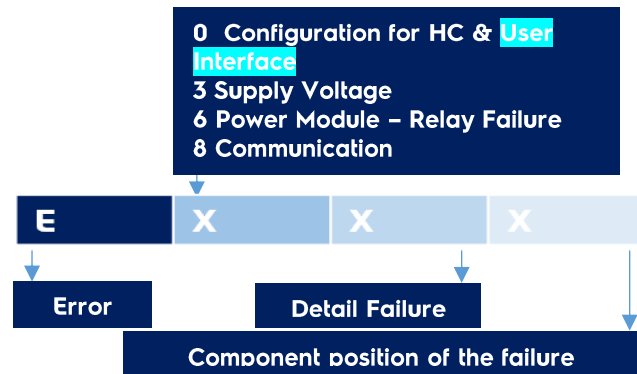
Measuring Instruments

- Multimeter
- Manometer

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ALARM CODES

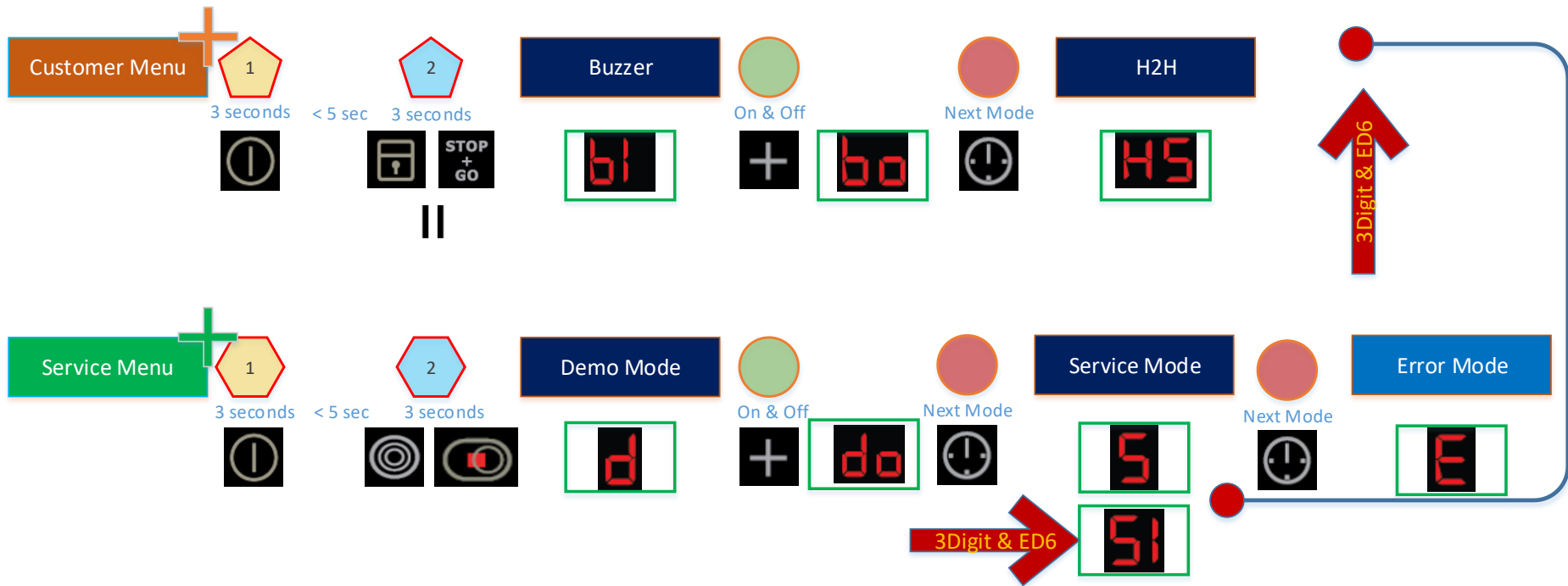


"2" Digit Error Code	"3" Digit Error Code	Possible Root Cause	Troubleshooting
E0	E011	Wrong configuration for Hob Control.	Check the configuration and software version on the User Interface as per the PNC of Hob. If the Software update didn't work then: Step 1. Change the User Interface. Step 2. Change the Power Board.
		SW error detected.	
E1		Wrong configuration on User Interface.	<ul style="list-style-type: none"> Disconnect the appliance from the mains for 30 sec. <ol style="list-style-type: none"> If alarm still occurs replace or reprogram the left User Interface. If the User Interface was replaced and then the alarm occurs, the User Interface spare parts is incorrectly programmed or defect.
E3	E321	Alarm "50Hz signal missing".	<ul style="list-style-type: none"> Disconnect the power cable and connect it again. Change the Power Board.

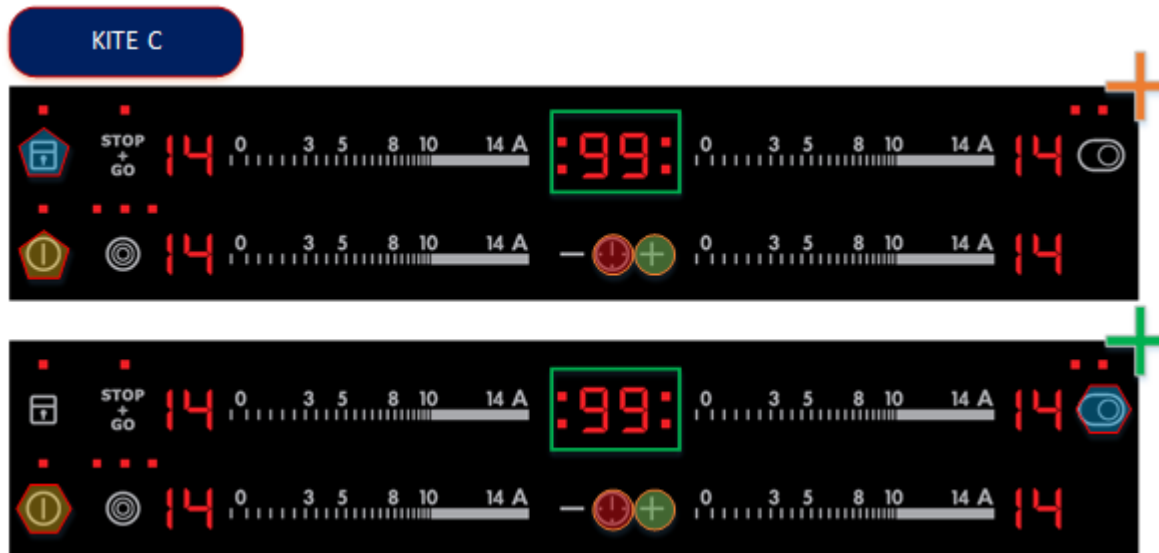
"2" Digit Error Code	"3" Digit Error Code	Possible Root Cause	Troubleshooting
E6	E641	Relays – secondary side sensing failure.	<ul style="list-style-type: none"> • Disconnect the power cable and connect it again. • Check for wear and tear in relays, (<i>common fault for relays</i>). • Check for any broken component on the Power Board. • Change the PCB.
	E601	Relays - primary sensing failure OR, 13V are supplied, but without both ac signals (CYCLE 1 + CYCLE 2).	
		E6A1	
	E621	HC internal safety software class failure detected.	
		Miss alignment of Neutral and Phase.	
E8	E811	Communication – User Interface message for >10 sec missing. Older Power Board versions have 30 sec communication timeout.	<ul style="list-style-type: none"> • Reconnect the Macs wire again. • Check the Macs Cable, if it is broken replace it. • Check the User Interface and replace. • Check the Power Board and Replace. • Check the power connection.
	E821	Communication – HC message missing.	
	E822	Communication – Induction Power Board is missing. Active requesting of the status from the Power Board to the User Interface missing.	
E9	E91x	Too low a key reference value.	Disconnect the appliance from the mains for 30 sec. If alarm still occurs after 1 min operation: <ol style="list-style-type: none"> 1) Refer "<u><i>User Interface with Slider – installation tips + key operation</i></u>" 2) Check Wiring. 3) Exchange User Interface.
	E92x	Too low a key reference signal. (~ ¼ of normal value for Atmel processor).	
	E93x	Too high a key reference value.	
	E94x	Too high a key reference signal.	
	E96x	Communication with external key module.	

CUSTOMER MENU & SERVICE MENU

Demo / Service / Error



FAULT FINDING



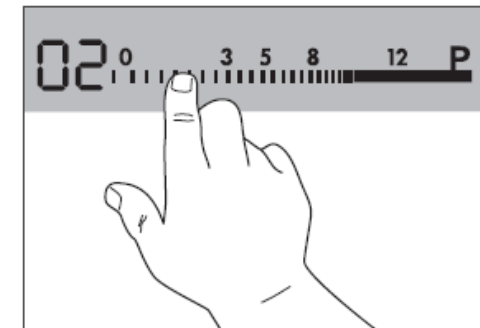
USER INTERFACE MODULE CHECK

USER INTERFACE WITH SLIDER INSTALLATION TIPS + KEY OPERATION

- Direct access of the cooking levels.
 - If the customer has difficulties directly hitting a cooking level – recommend the following:
 - Touch the level; Check the display.
 - Correct the level if necessary by shifting (without lifting) the finger left or right.

Problems besides the above tips:

- Check build in position of the User Interface and correct if necessary.
- The LED should be central above the main switch.
- If some keys or cooking levels are difficult to operate or unstable:



- Disconnect the appliance from the mains for 30 sec. and try again.
- If the problem still exists, probably the User Interface is either pressed too less or not equal to the ceramic glass:
 - Check if there is a cable between User Interface and carrier.
 - Check if the carrier of the User Interface is correct positioned and all spring elements present
 - In addition, the coils have to be correctly assembled, so that the distance between the support plate and the ceramic is not increased.

Otherwise:

- Appliances with carrier; exchange
- Appliances with silicon element; put underneath the silicon element in the area of the keys that are unstable to operate e.g. a metal sheet with a thickness of 1-1.5mm.

HOB IS NOT DISPLAYING

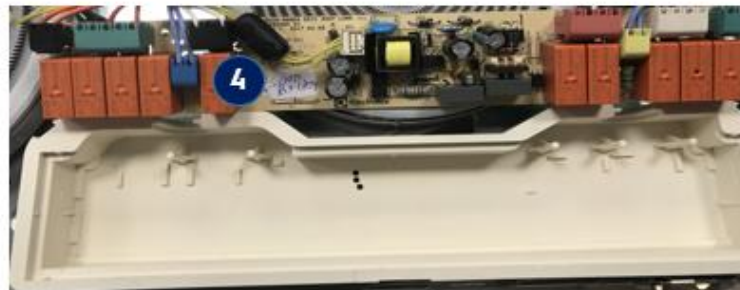
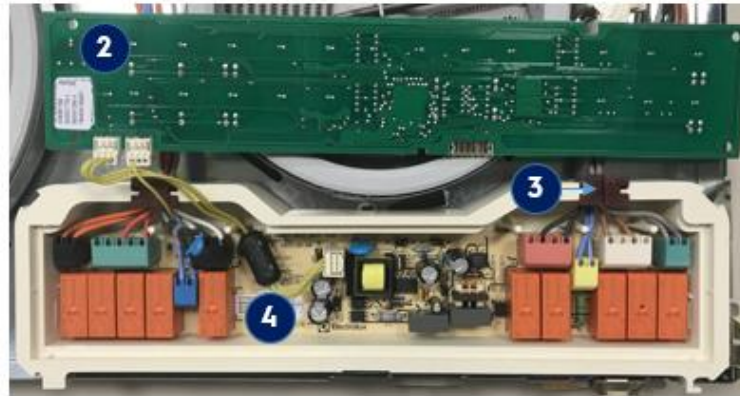
HOW TO CHECK USER INTERFACE

The User Interface is not displaying: no 5V supply for the User Interface, or the User Interface is faulty.

- Check the cables: the User Interface is supported on the PIN 1 & 3; the other port is inverted.



DISSASSEMBLY / ASSEMBLY



- 1) Remove the glass.
- 2) Flip the User Interface (disconnect the wires and replace the User Interface).
- 3) Pull the Harness Rubber support to loosen the Wires.
- 4) Take out the Power Board (disconnect the wires and replace the Power Board).

Note * 5) Place the Controls Plastic support correctly on the HOB Frame.

- 6) Check the 4 springs under the Plastic support.

PUBLICATION VERSION CONTROL CHART		
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1	Original Document	22/5/19