SERVICE MANUAL

OVENS

Module: User Interface

iTex10

1 PRECAUTION

⚠	**Information** "Warnings"

All work with open appliances must be done with the mains supply disconnected.

Work on electrical equipment should only be carried out by qualified personnel.

Before working on a device, check the efficiency of the system casing using appropriate equipment. As an example, refer to the indications described / illustrated in the portal Electrolux Learning Gateway (http://electrolux.edvantage.net).

After the work, carry out electrical safety tests and ensure that the all safety   devices are working properly.

In the case of manipulation / replacement of the PCB, use the ESD kit (Code 405 50 63-95/4) to prevent electrostatic discharge damage the circuit board see SB No. 599 72 08-09

Document Revisions

Revision	Date	Description	Approved by
0.0	10/2017	Document creation	

2 PURPOSE OF THIS MANUAL

The purpose of this Manual is to provide information of Ovens User Interface iTex10

## 3   CONTENTS

User interface:

- Input module for UI family iTex 1,10,100

Integrated functionalities:

- Metal ring with capacitive touch sensor
- Digital Bit-Encoder signal by turning
- Electrical micro switch signal by pressing
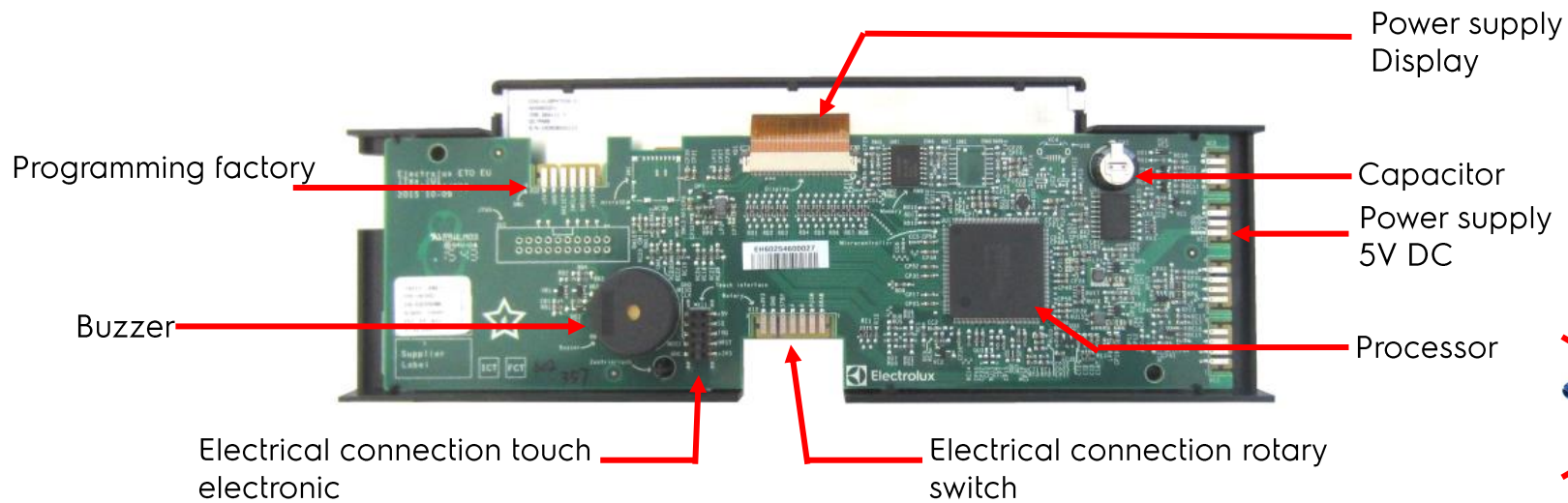

Design and mechanical demands:

- "Best in Class" for FFF (Fit Feel Finish)
- Click rotating
- Real glass inlay and metal ring
- Short and smooth travelling way by pressing
- Mechanical feedback by pressing and rotating
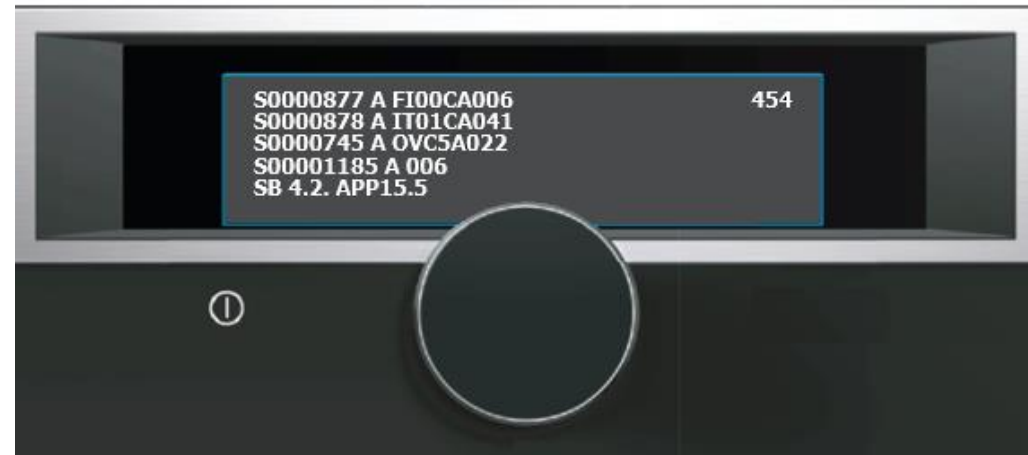
Attention ! Be careful during the assemble of the rotary switch. The rotary switch isn't coded and it   is possible to mount the rotary switch in a wrong way. 180° rotated. The function is still   working correctly

5.1 USER INTERFACE ITEX

Display

Reflector

Power supply Display

Programming factory

Capacitor

Power supply 5V DC

Buzzer

Processor

Electrical connection touch electronic

Electrical connection rotary switch

!! Sidekick is not available

Pins thicker and stronger are more stable. Touch electronics is connected to UI by this pin and not glued
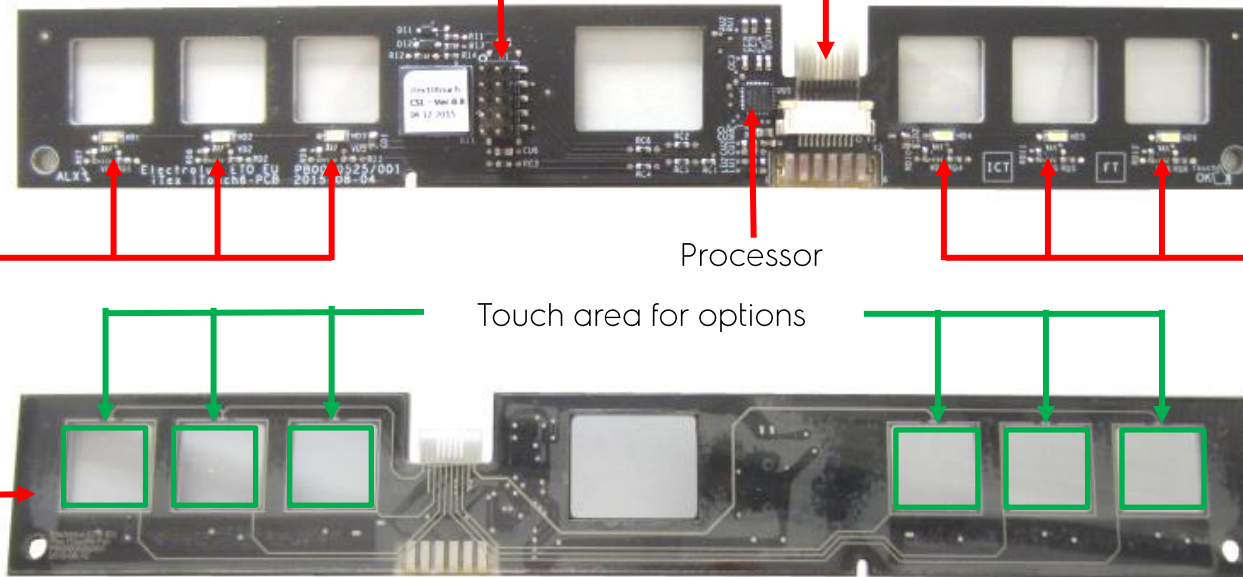
Power supply

Electrical connector touch foil

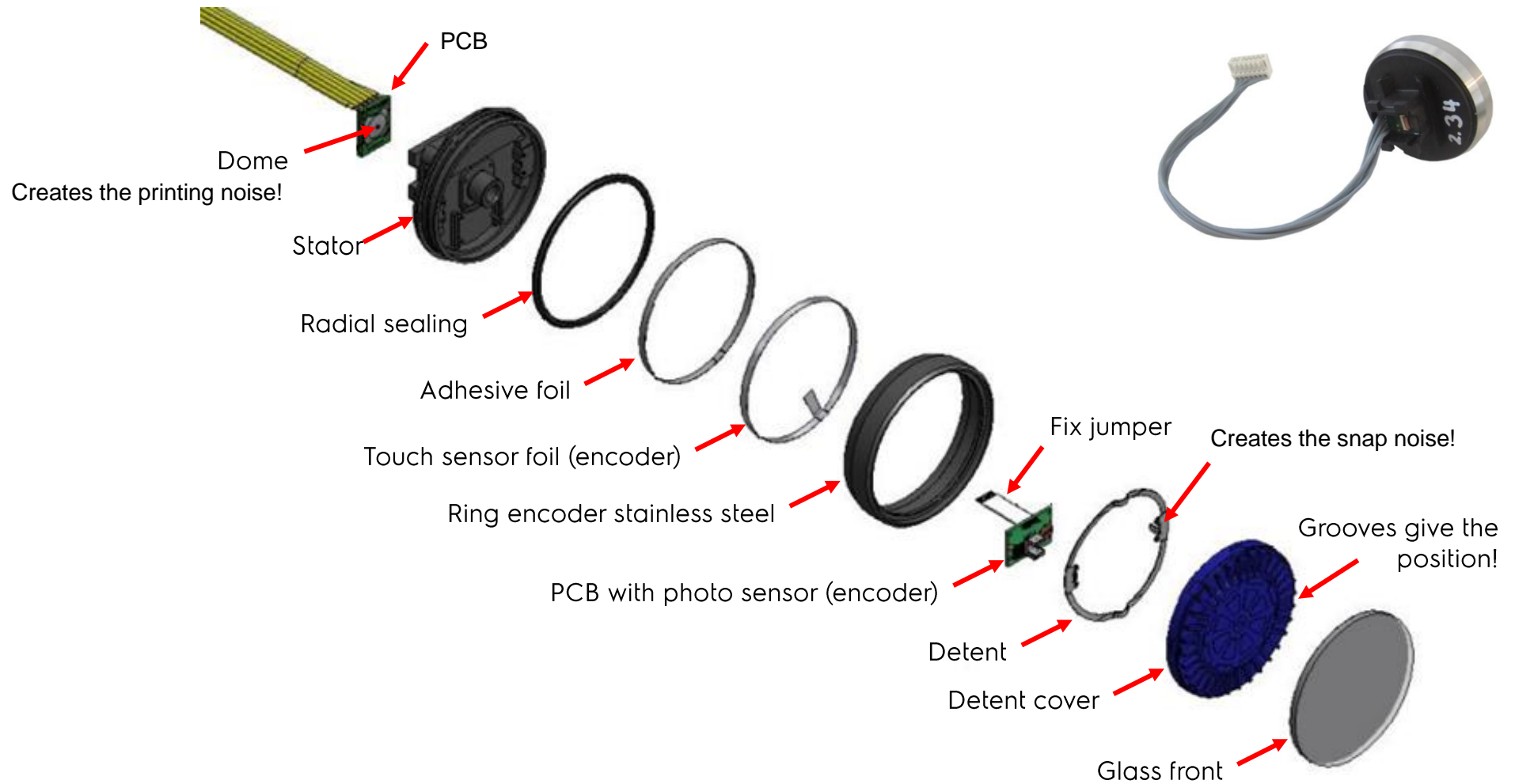3 LED's for options

Processor

3 LED's for options

Touch area for options

Touch foil (glued)

The special customer settings (clock, brightness, favourites etc.), are stored in the processor on the touch electronics.

Attention !

- To activate the service mode, it is necessary to reset all customer settings
- The touch electronics and the user interface must be synchronized

PCB

Dome
Creates the printing noise!

Stator

Radial sealing

Adhesive foil

Touch sensor foil (encoder)

Ring encoder stainless steel

Fix jumper

Creates the snap noise!

Grooves give the position!

PCB with photo sensor (encoder)

Detent

Detent cover

Glass front

Attention !

No error code available for the rotary switch

electronics itex10

6.1   UNLATCH THE UI COVER
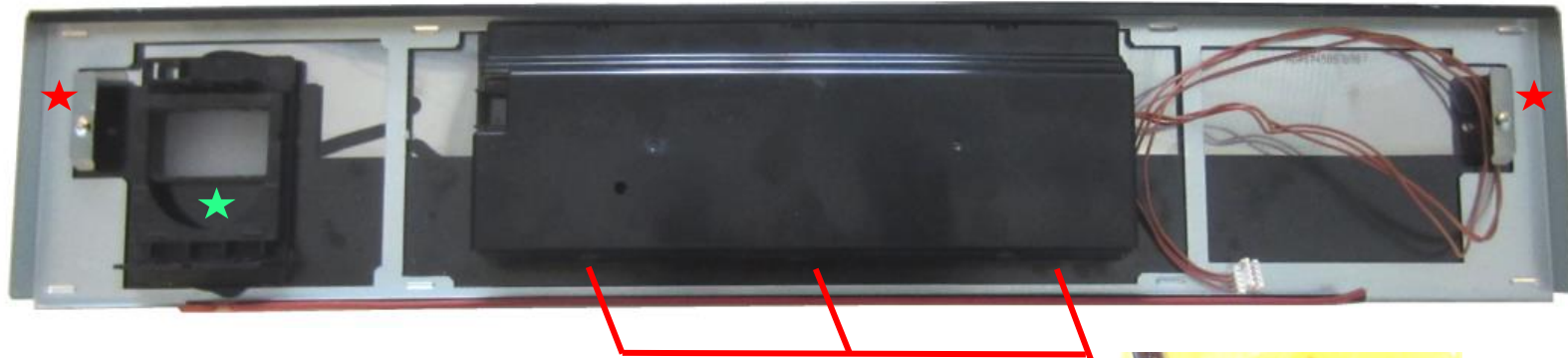
Unlatch the three clips one by one on the cover

with a screwdriver and pull up the cover

Disassembly the panel support from the housing (★ 2 screws). On steamer, unlatch the ★ water drawer

6.2   UNLATCH THE UI FROM THE PANEL SUPPORT

Unlatch the user interface from the panel support (6 clips).

User interface
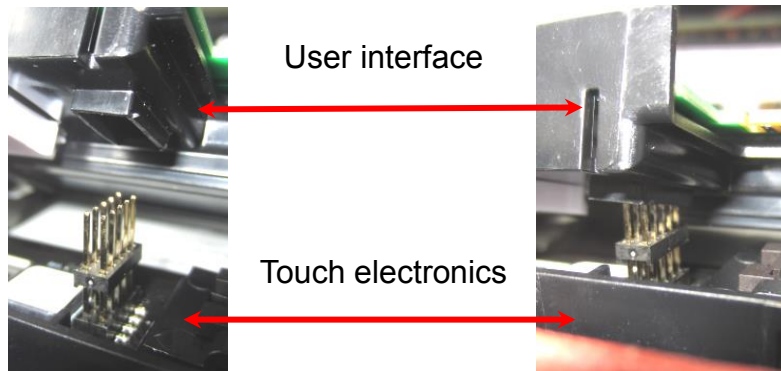
Touch electronics

Unplug the user interface from the touch electronics. Be careful during assembly

Accessing UI iTex10

6.3   DISASSEMBLE THE TOUCH ELECTRONICS, ROTARY SWITCH

Unlatch the spring for the rotary switch.

Spring

Spring

2x clips

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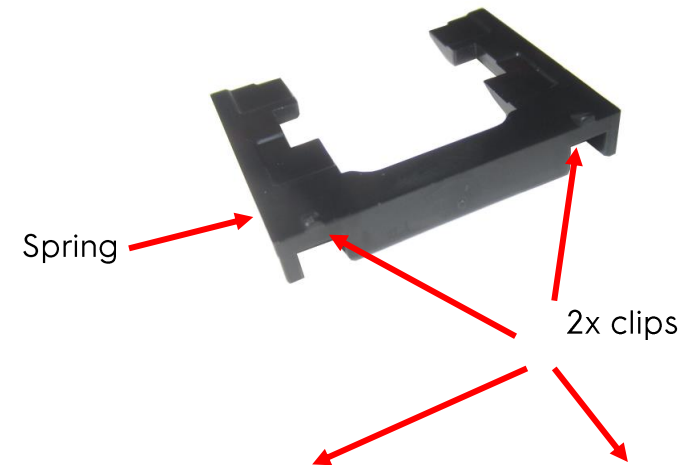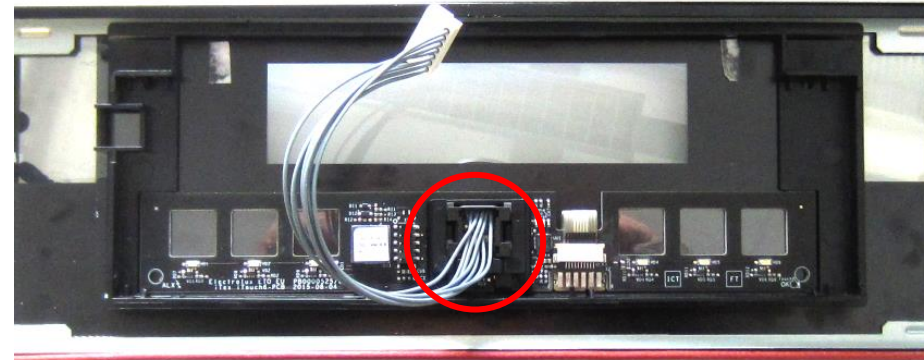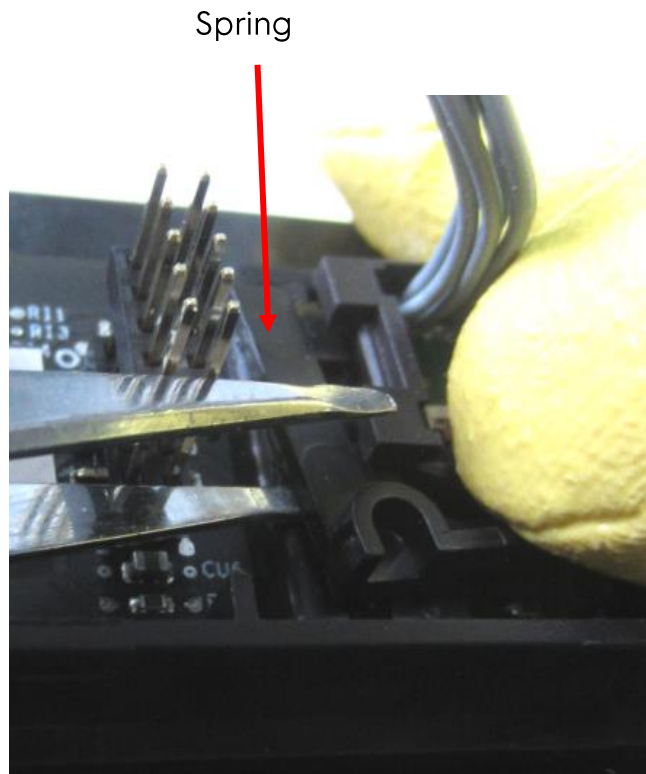
Lift up the holder.
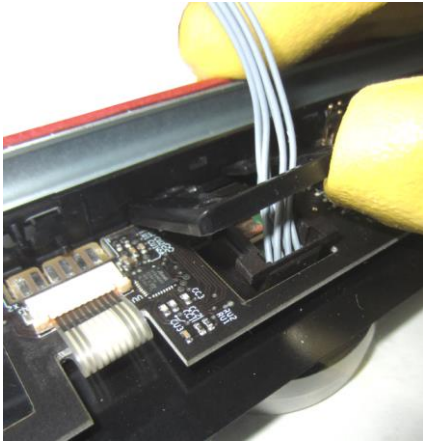
Pass the cable through the holder.
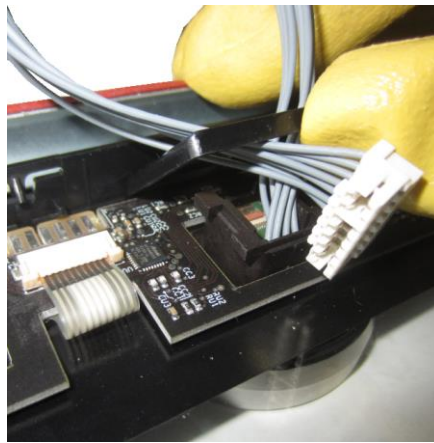
Pull out the user interface.

Remove the rotary switch.
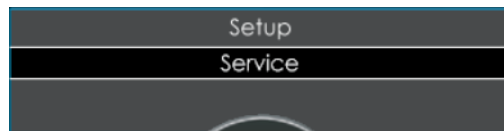

Holder
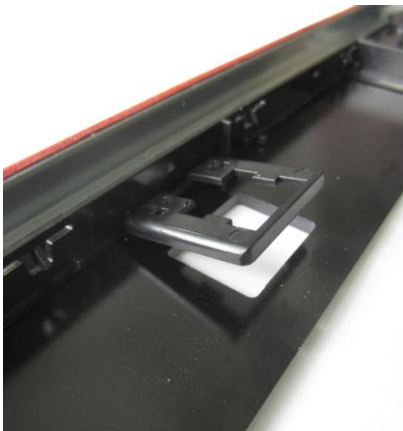
User interface.

Rotary switch.

Accessing UI iTex10
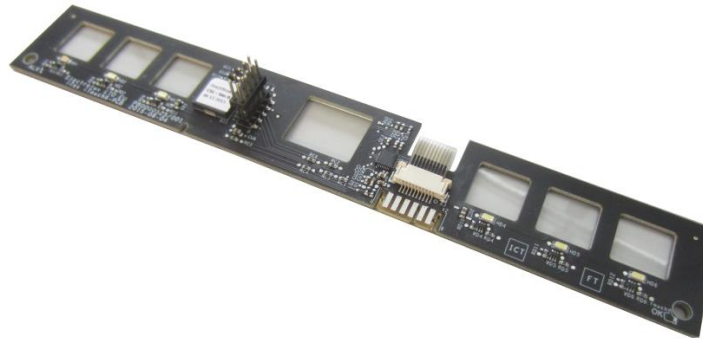
7 DEMO MODE

Activate demo mode: The appliance is in off-state

1. Switch on the appliance.
2. Select "Menu" and press the shuttle.
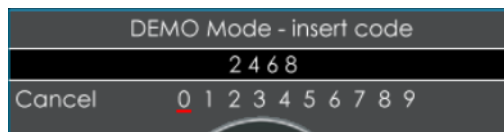3. Select "Basic Settings" and press the shuttle.
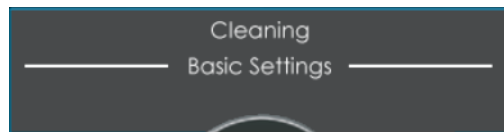
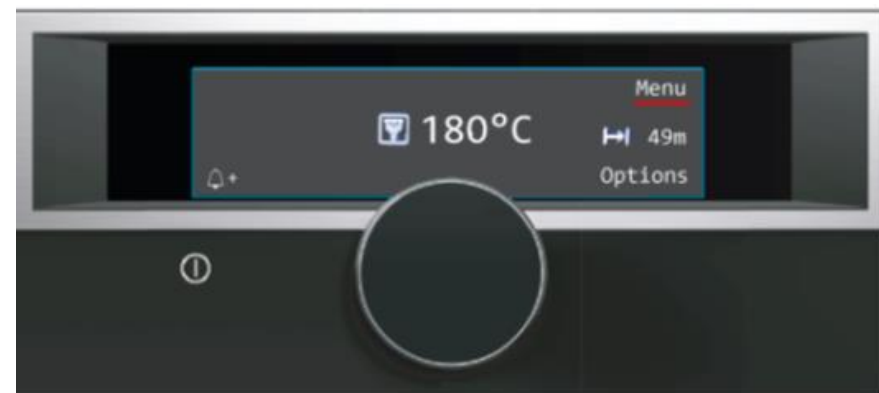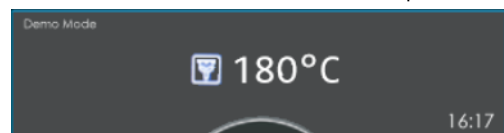4. Select "Service" and press the shuttle.

5. Select "Demo Mode On" and press the shuttle.
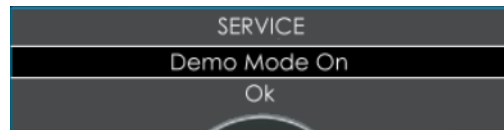
6. Insert the activation code: → **2 : 4 : 6 : 8**

Choose the number via shuttle and press to confirm the number.

Deactivate demo mode: Same procedure.

Demo Mode

Activate service mode: Disconnect the appliance once from the power supply

The activation of service mode can only be done, while the software appears for approx. 7 seconds

First line: Firmware from user interface

Second line: Configuration from user interface

Third line: Firmware from power electronics

Fourth line: Firmware from touch electronics

Fifth line: Story board vision

454:       Working hours

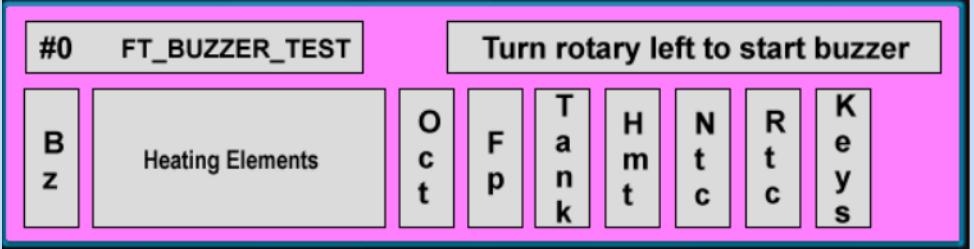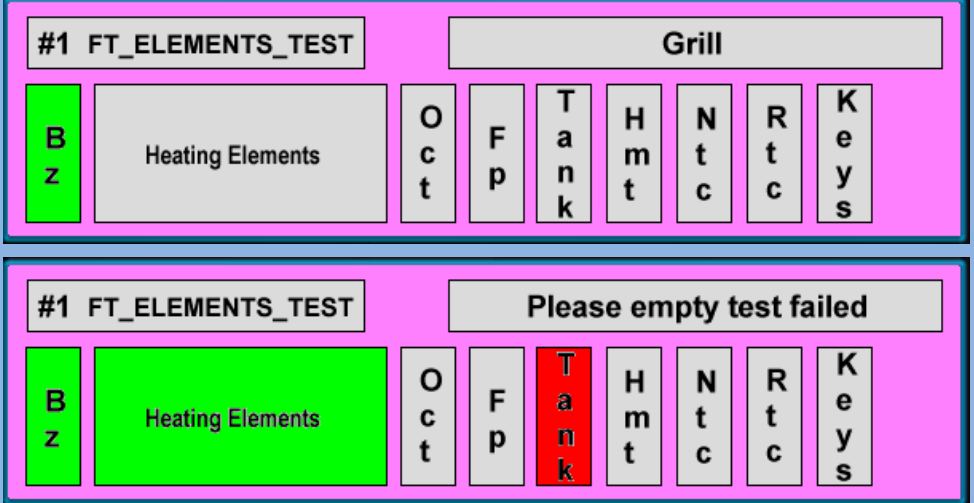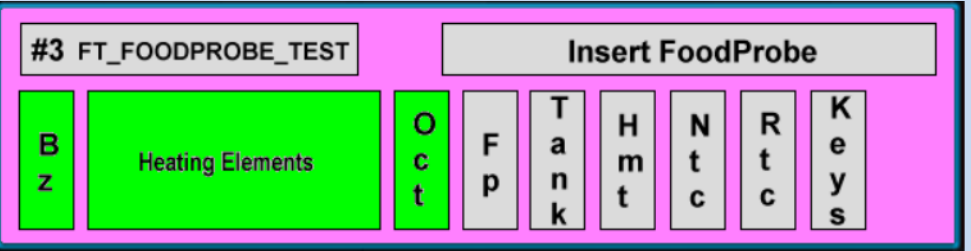Touch simultaneously the **"START"** key and the **"STOP"** key for approx. 2 seconds. Buzzer sounds.
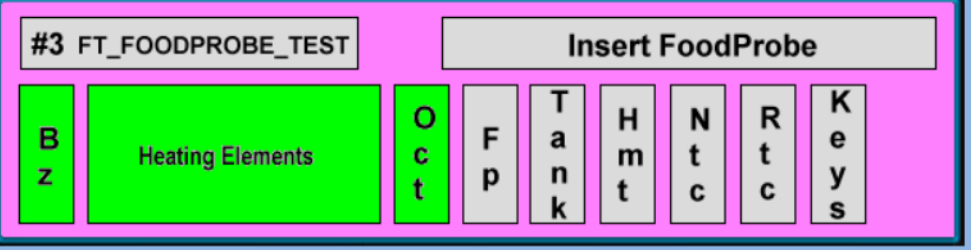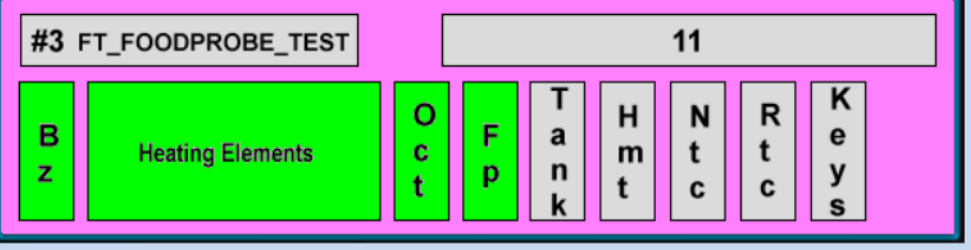
Attention!

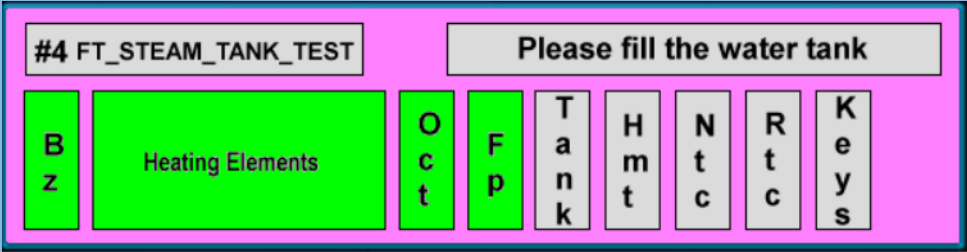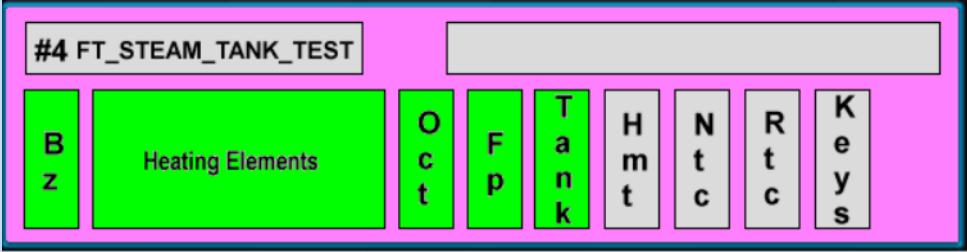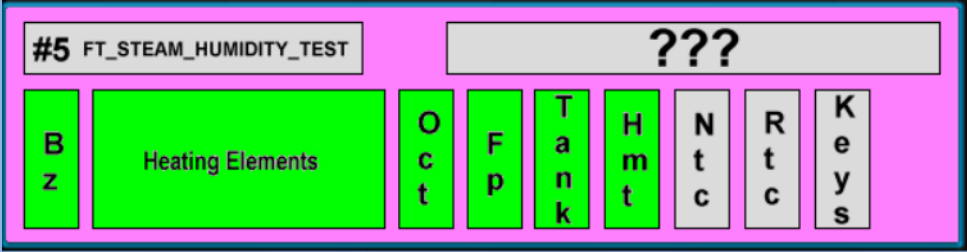It is necessary to empty the water tank before you start the service mode

The "Grey" boxes are items that are running tests or not start yet.

The "Green" boxes are items that passed the test.

The "Red" boxes are items that didn't passed the test.

| Step	Procedure	UI Display
1	Bz ➔ Turn the rotary **left** to start the buzzer test. Buzzer sounds continuously. **Press the rotary to stop the sound and to continue**	
2	Depends on oven configuration! Heating elements ➔Turn the rotary left, step by step. Grill – Descalling_actuator – Inlet valve – Waste actuator – Evaporator – Steam channel flow – Cook fan – Rear + Cook fan + Lamp – Bottom – Grill ➔ Press the rotary to continue After the start of service mode, the user interface will check the water level in the water tank. The error will appear after the step 2. Attention! Interrupt the service mode and empty the water tank	

3	Oct → Oven control temperature (PT500) 27 → ADV (analog digital value) byte-value Turn the rotary right to continue.	
4	**Fp →** Plug in the food probe sensor.	
5	Fp → Food probe sensor is placed. 11 → ADV (analog digital value) byte-value Fp → Unplug the food probe sensor	

Service Mode

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6	Tank → Fill up the water tank	
7	Tank → Water tank is filled. Turn the rotary right to continue	
8	**Hmt** → Checks the humidity sensor. **???** → ADV (analog digital value) byte-value	

Service Mode

9	**Ntc →** Checks the NTC from steam generator. **552 →** ADV (analog digital value) byte-value	
10	**Rtc →** Checks the timer (Real Time Clock).	
11	Keys → Touch the On/Off-key	

Service Mode

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12	Tests done → Press the rotary to exit	
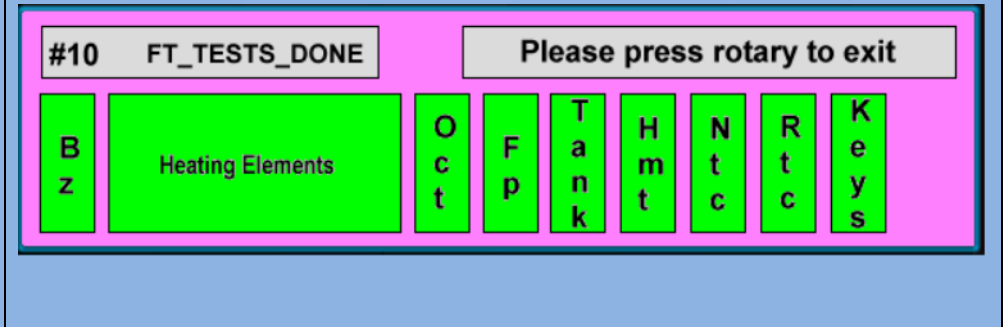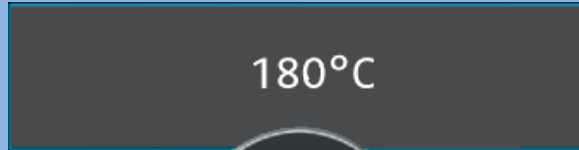
9   ERROR CODES

Refer 599 7933 13 en

Error Codes