

MI_2012: PCB (A11) - removal and installation



iCombi Pro and iVario



15 min



Standard



30/05/2025

Reason:

The information describes the removal and installation of the PCB (A11).

Affected units (unit size and unit type):

- iCombi Pro
- iVario

Required tool

- Standard
- Suction cup
- RATIONAL USB stick 2.0

Required components

Component:	Article number:
Control board	42.00.251P
*China control board only without WIFI	*(42.00.335P)

General information

NOTICE

Enter the installation of the component on the service level ("Component replacement" tab). This is an integral part of the maintenance history.

Safety instructions



DANGER

High voltages when connecting to the mains power

Danger to life due to high voltage.

- Disconnect from the power supply.
- Make sure the unit is disconnected from the power.

 CAUTION

Sharp edges on the housing

Risk of cuts on the housing when working in the electrical compartment.
Wear protective gloves.

Work steps - removing the control board

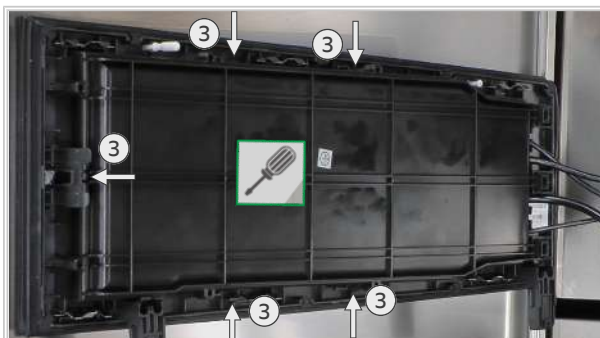
- ✓ The unit is switched off.
 - ✓ Unit is deenergised.
 - ✓ The electrical compartment is open.
 - ✓ The required tools are ready.
 - ✓ A RATIONAL USB stick 2.0 with the latest software is prepared.
1. **iCombi Pro:** The control panel (2) (with built-in display) is clamped from the front of the unit into the frame with the marked brackets (1). Pull the control panel (2) out of the front panel using the prepared suction cup.



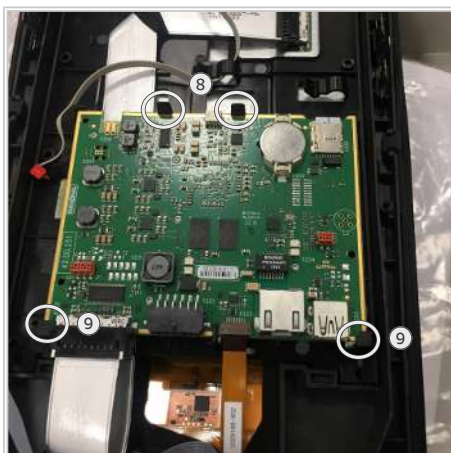
2. **iVario:** Open the cover on the console panel and remove the 2 screws (10). Remove the control panel. Place some protection on the pan lid to protect the control panel against scratching and damage, e.g. a cardboard box or bubble wrap.



3. Use a screwdriver to remove the cover. Carefully loosen the snap-in clips at the marked points (3).



4. Unclip the control board on the two points (8). Then pull the two holders (9) out.



5. Pull the ribbon cable connection (4) off the display. Remove all ribbon cable connectors (4) and (5) as well as the cables (6) and (7) from the circuit board.



>> The removal is complete.

Work steps - installing the control board

1. Proceed in reverse order when reinstalling.
2. Insert the unit-specific SD card from the old PCB into the newly installed PCB .
This micro SD card contains the software and all relevant unit data.
3. Connect the RATIONAL USB stick 2.0 with the latest software to the unit.
4. Press and hold the dial and switch the unit on at the same time.
 - > Hold the central dial until the software installation is visible. This process can take up to 60 seconds.
5. Software is installed automatically by the USB stick.
6. Unit data is then installed automatically by the unit-specific SD-card.
7. After the automatic restart, switch off the unit.
8. Check the unit-specific settings:
 - Steam generator volume
 - Gas speeds
 - Calibration values
9. If something is unclear here, carry out the necessary adjustment.
 - Re-specify the steam generator volume
 - Flue gas analysis
 - Self-tests

>> Installation is complete.

