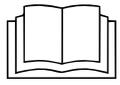


Valid for control board MM10019108

The target group for this installation manual is trained qualified personnel entrusted with the technical functioning and operation of the unit.



Read the installation instructions for the units and observe the safety information.

Safety instructions

Organizational measures

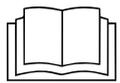
Risk of property damage and personal injury from lack of organizational measures

- Use equipment and protective gear suitable for the activity.

Danger of electric shock from live components.

- Prior to working on the electrical system, switch off the unit, disconnect the electrical system from the mains and prevent power from being switched on again. Check to ensure the system is dead.
- Use only insulated tools.

Check before replacing



Troubleshoot using the service manual.

Order of steps

- Dismantle additional circuit board (option)
- Replace control board
- Dismantle additional circuit board (option)
- Software update
- Only for units with Touch control panel: Restore the data

Preparing the USB stick

Unit with Touch control panel

Prerequisite

→ USB stick.

- ↳ Maximum size 32 GB.
- ↳ FAT formatting (default).
- ↳ The disk should be empty if possible.

→ Current software update and additional content

- ↳ The update is available at the manufacturer's website.

Replacing the FlexFusion GEN2 control board

Preparing the USB stick

- Unpack the present software update. This is provided as a ZIP file. In general, the unzipped folder is in the same directory as the previously compressed one.
- Copy the unzipped folder "MMIUpdate" into the root directory of the USB stick. The contents and folder structure must not be changed.

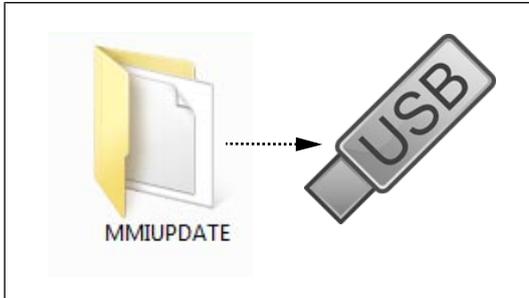


Image: Preparing the USB stick

Unit with Classic control panel

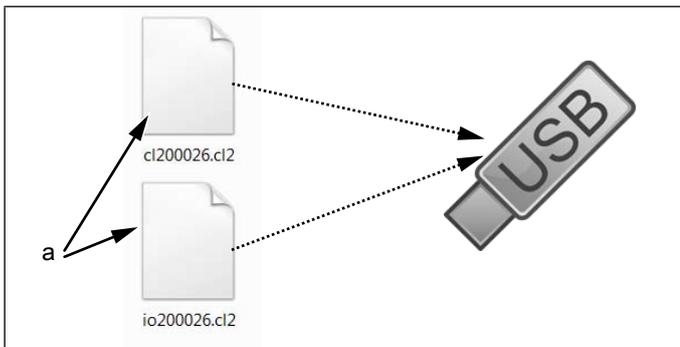


Image: Example of updating to version 20.0.26

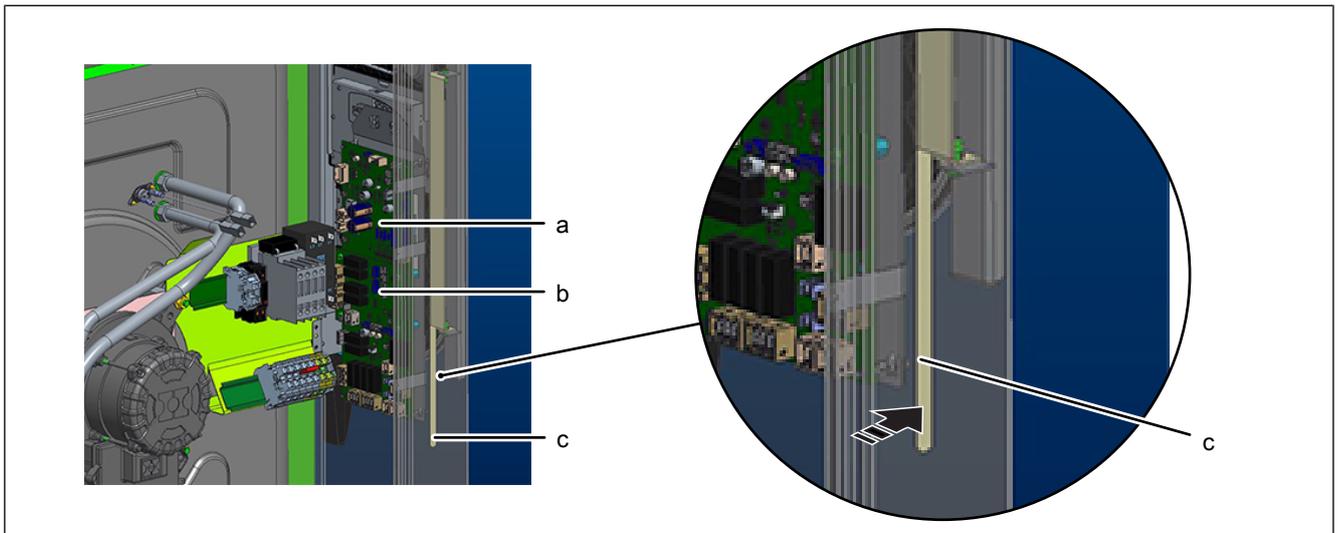
a Update files

- Open and download Zip file and unzip. In general, the unzipped files are in the same directory as the previously compressed folder.
- Copy **both** update files directly on the USB stick.
 - ↳ The update always consists of two files.
 - ↳ The files have the extension ".cl2".
 - ↳ File 1: „cl2xxxx.cl2“.
 - ↳ File 2: „io2xxxx.cl2“.

INFORMATION

There must always be both files on the USB stick, otherwise no update is possible.

Opening the appliance



- a Control board
- b Additional circuit board (optional)

- c Unlocking the operating panel

1. Remove the left side wall.
2. Press the unlocking mechanism forwards.
↳ The control panel is unlocked.
3. Open the control panel.

Overview

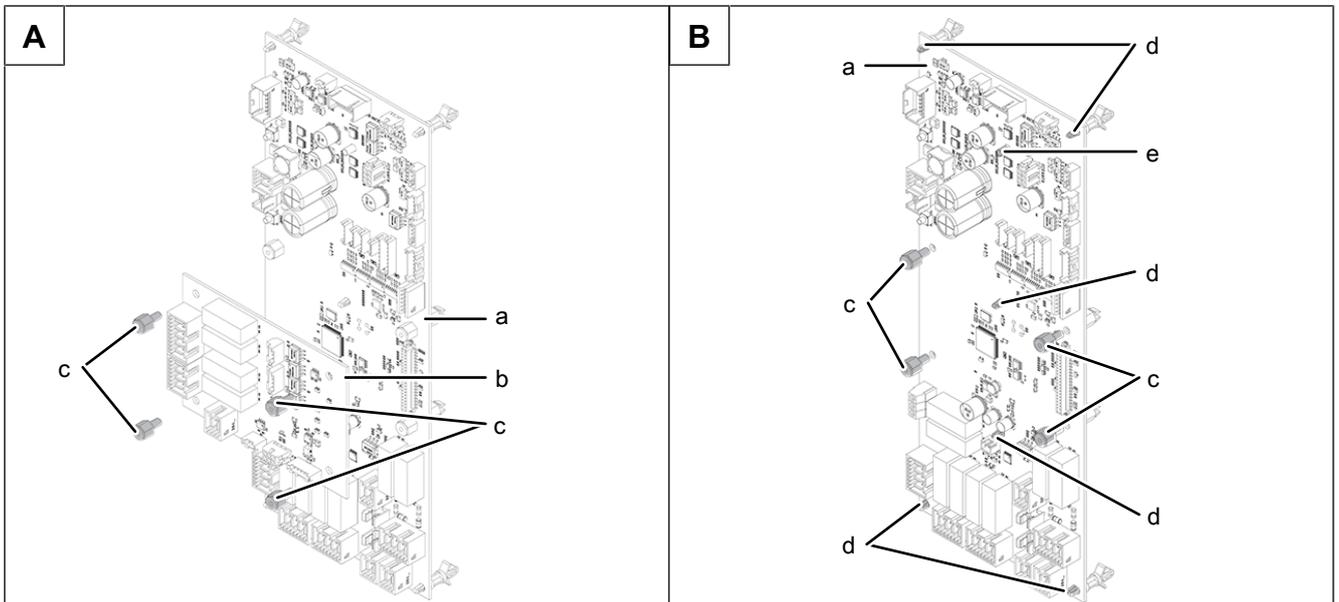


Image: A: Remove additional circuit board (option); B: Remove control board

- a Control board
- b Additional circuit board (option)
- c Plastic screw

- d Plastic clip
- e Threaded pin

Replacing the FlexFusion GEN2 control board

Dismantle additional circuit board (option)

1. Disconnect all connectors on the additional circuit board.
2. Remove the plastic screws.
3. Remove the additional circuit board from the control board.

Removing the control board

1. Disconnect all connectors from the control board.
2. Remove the nut (M4) from the threaded bolt.
3. Remove the plastic screws.
4. Remove the control board by unlocking the plastic clips.
5. Remove the NFC key.

Installing the control board and additional circuit board (option)

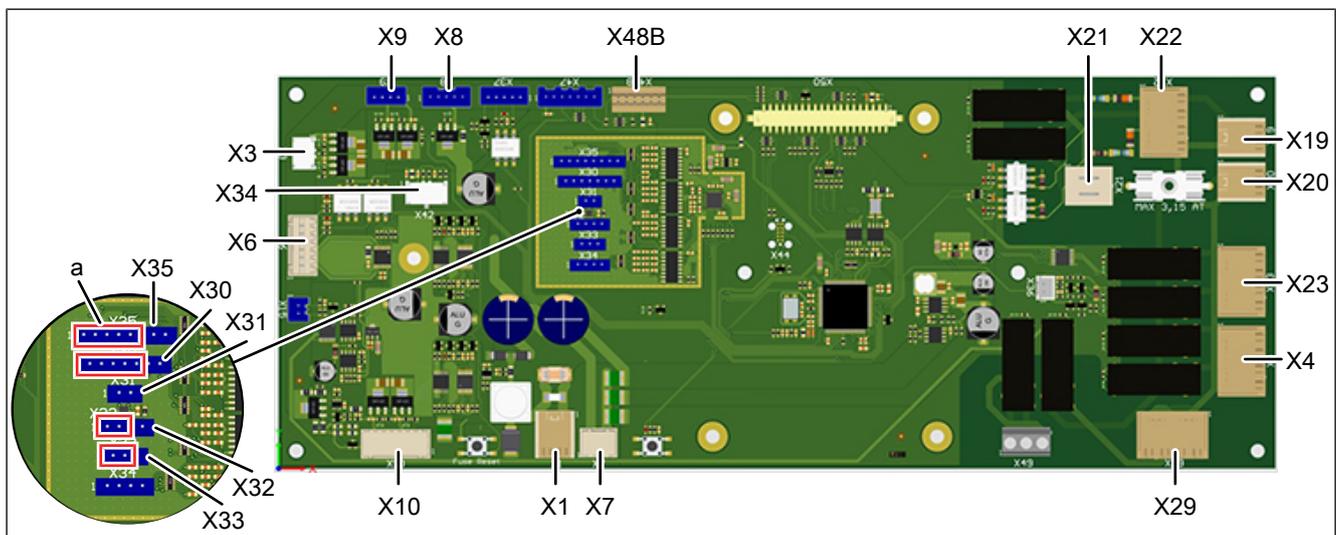


Image: Pin assignment of control board

- | | | | |
|-----|--|------|---|
| a | Position of the plugs | | |
| X1 | Power supply control board 24 V+DC | X22 | Performance optimization (option) |
| X3 | LED lighting | X23 | Cleaning pumps |
| X4 | Solenoid valve K12 (water vapor elimination) | X29 | Cooling fan |
| X6 | Solenoid M8 (supply air damper) | X30 | Core temperature sensor (B1) |
| X7 | ON/OFF switch | X31 | Cooking chamber sensor (B2 (for 215, 221 upper chamber)) |
| X8 | Power supply operating unit 24V DC + CAN | X32 | Cooking chamber sensor (B3 (for 215, 221 lower chamber)) |
| X9 | Semiconductor relay (SSR) | X33 | Vapor sensor (B4) |
| X10 | Steaming unit | X35 | External core temperature sensor (option) |
| X19 | Main contactor Q1 | X42 | CAN communication to the motor power board (T10 (for 215, 221 upper motor)) |
| X20 | Supply 230 V | X48B | NFC key |
| X21 | Safety temperature limiter (B11/B12) | | |

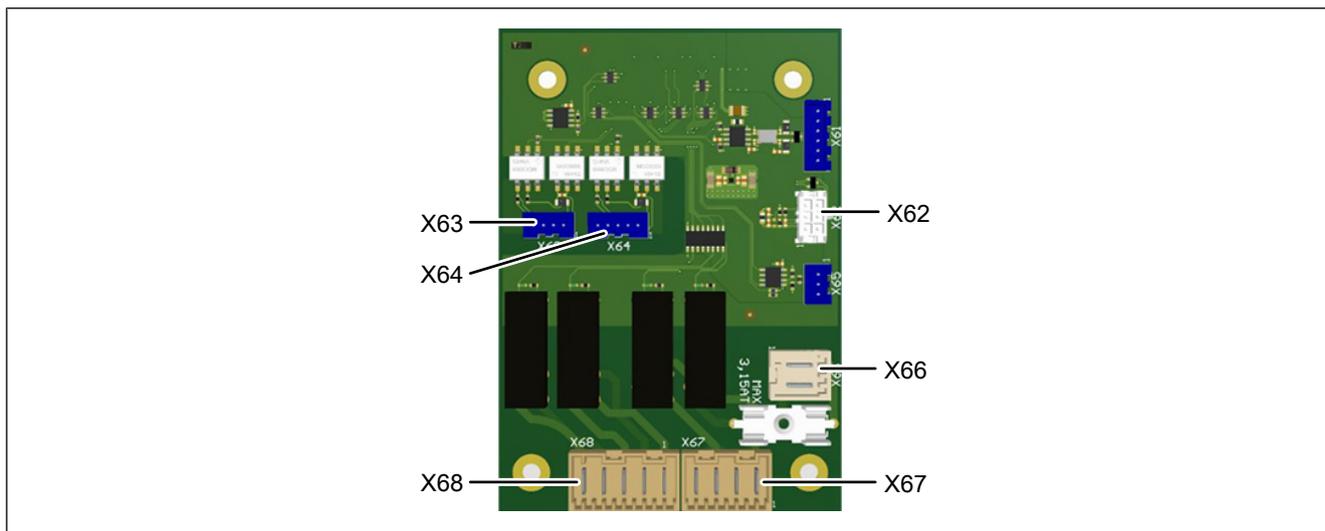


Image: Pin assignment of additional circuit board (option)

X62	CAN communication to motor power board T20 (only for 215, 221 for lower motor)	X66	Power supply X67
X63	Ignition electronics upper chamber (only for 215, 221 gas appliances)	X67	Pump control for grease collection system (option)
X64	Ignition electronics for lower chamber (only for 215, 221 gas appliances)	X68	Recirculation hood, smoke box

INFORMATION

The unit works only with NFC key.

1. Fit connectors X1 and X29 on the control board.
2. Install the control board.
3. Option: Install additional circuit board.
4. Mount connector.
 - ↳ Note the position of the plugs (X30 - X35).
5. Attach the NFC key to the new control board.

Updating the software & restoring data

Opening the Service menu

- Switch on the unit.
- Tap the "Unit functions" button.
 - ↳ Display of *Appliance functions* menu.
- Tap the "Settings" field.
 - ↳ Display of *PIN* window.
- Enter password "1967" and tap the *Confirm* button.
 - ↳ Display of the Service menu.

Replacing the FlexFusion GEN2 control board

Perform a software update

- Insert the USB stick
- Open the Service menu as described.
- Select the "Software update" field on the left area of the menu by swiping
- Tap the "OK" field
 - ↳ Follow the instructions on the touchscreen

INFORMATION

The update can take up to 15 minutes.

- ↳ A confirmation then appears on the touchscreen
- Tap the "OK" field
 - ↳ The software restarts automatically

INFORMATION

After the update, a blue screen may appear and the software does not start. In this case, switch the unit off and then back on. In rare cases, this may happen again.

Restoring data

1. Open the Service menu as described.
2. Tap the "Restore data" field.
3. Touch the *Confirmation* field.
 - ↳ Restore data from the SD card.
 - ↳ A confirmation then appears on the touchscreen.
4. Tap the "OK" field.