

MI_2435: Repair kit diode pressure switch 20 mbar - replacement



iVario Pro L P / XL P



45 minutes



Standard



27 December 2024

Topic

The information describes the replacement of a diode wired to the pressure switch 20 mbar.

The repair kit is used to connect the new diode to the existing cable harness. It is therefore not necessary to replace the entire cable harness.

Affected product/accessories

iVario Pro

- L P
- XL P

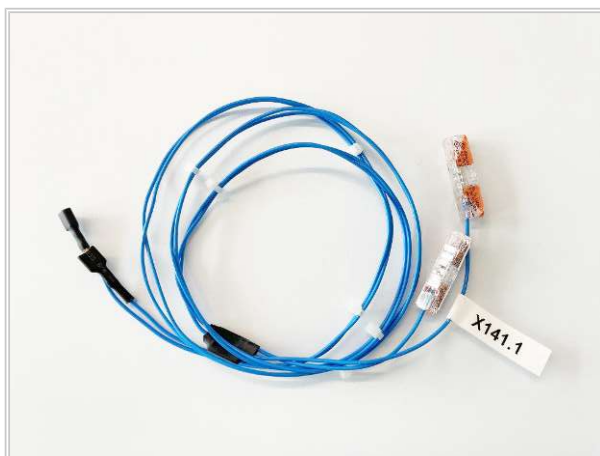
Required tool

- Standard
- Multimeter (ohmmeter)

Required components

Repair kit: 40.08.243P

- Cable set with diode and plug



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.

Target group

- This document is intended for skilled technicians, who have been certified by the manufacturer after attending training and safety instructions.
- Installation, inspection, maintenance, and repair work must only be carried out by trained technicians.
- It is recommended that only technicians authorised by the manufacturer perform inspection, maintenance and repair work.
- The unit may not be used, cleaned, or maintained by children. The unit may not be used for play. This is prohibited even under supervision.
- The unit may not be used, cleaned, or maintained by people with limited physical, sensory, or mental capacity or those without the necessary experience or knowledge, unless such people are supervised by a person who is responsible for their safety and who has been informed of the hazards of the unit.
- In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Installation position

- Below the maintenance flap in the lid
- Electrical compartment

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.

NOTICE

Damage to the cable trunk and the control panel when removing the control panel

The control panel is connected to the installation compartment by a cable trunk.

Remove the control panel carefully in order not to damage the cable trunk.

Put down the control panel carefully and protect it against scratching.

NOTICE

Incorrect objects for opening the control panel

Do not use any sharp or pointy objects to press the control panel upwards. This could damage the housing and gasket.

NOTICE

Observe regional and country-specific safety and testing regulations

The relevant regional, country-specific safety and testing regulations apply to all work on RATIONAL units. These regulations may vary by region and are country-specific and are therefore not listed separately in this document.

The technician is responsible for complying with these regulations.

Work steps - installing the cable set.

- ✓ The repair kit is ready.
 - ✓ The unit is switched off and disconnected from the mains.
 - ✓ The water feed is switched off.
 - ✓ The unit is accessible from the rear.
1. Open the electrical compartment.
Please refer to the installation manual.
 2. Remove the two screws from the maintenance flap in the lid.
 3. Remove the maintenance flap.



4. Disconnect the two cables of the pressure switch 20 mbar.

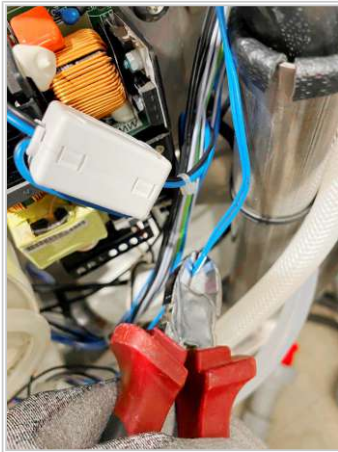


5. Pull the disconnected cables out into the electrical compartment (not shown here).

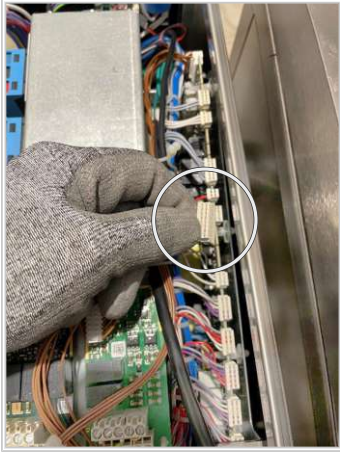
6. Now pull in the new cables with the matching plugs from the repair kit.
7. Connect the new cables to the pressure switch as desired.



8. Attach the new cables to the cable harness.
9. Cut the old cables so that there is enough cable left to connect the new cables.



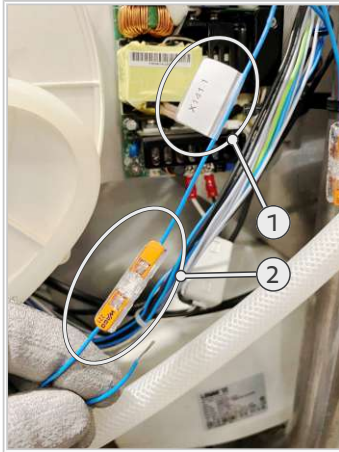
10. Disconnect plug X141 from the IO board.



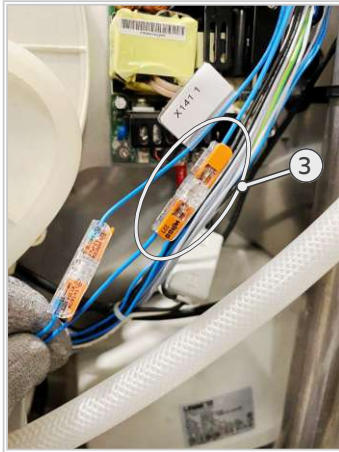
11. Use the ohmmeter to measure the continuity between plug X141 (blue wire) and the two cut strands.
You need the strand that is connected to the plug X141.



12. Connect this strand to the new cable X141-1 (coming from the pressure switch 20 mbar).
The suitable cable is marked with a sticker **(1)**. Use the supplied through-connector **(2)** to establish the connection.



13. Now connect the two other cables **(3)** together.



14. Carry out a test as described below.
>> The installation is complete.

Work steps - carry out test.

1. Disconnect any cable from the pressure switch 20 mbar.



2. Reassemble the unit except for the maintenance flap.
3. Switch the cooking system on.
4. Start the pressure cooking process without water.
5. Lower the lid
6. Lock the lid.
7. Try to unlock the lid a short time after.
 - > It must not be possible to unlock the lid.
8. Reconnect the disconnected cable from the pressure switch.



- > It should now be possible to unlock the lid again.
9. Reinstall the maintenance flap.
- >> The test is complete.

