
MI_2434: Pan axis - enabling free movement



iVario 2-XS / Pro 2-S / Pro 2-S P



45 minutes



See below under "Required tools"

23/01/2026

Subject

The information describes how to free up a stiff pan axis.

Too much friction on the pan axis can block the downward movement of the pan. This friction can be caused by rust and deposits between the pan axis and the bearing.

The following steps apply to the left and right pans.

Affected product/accessory

iVario

- 2-XS

iVario Pro

- 2-S
- 2-S P

Required tool

- Standard
- Torque wrench (15 Nm)
- White all-round high-performance fat with NSF H2 approval (e.g. OKS 470)

Required components

-

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.

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

The housing and seal can be damaged by pointed or sharp objects.

- Do not use any sharp or pointy objects to press the control panel upwards.

NOTICE

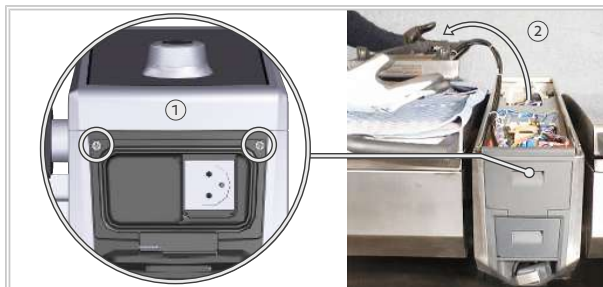
Observe regional and country-specific safety and testing regulations

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 - Disassembly - Making the pan axis accessible

- ✓ The unit is switched off and disconnected from the mains.
- 1. Open the lid on the console panel and remove the two screws (1).
- 2. 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 (2).



- 3. Remove the two screws below the console panel.



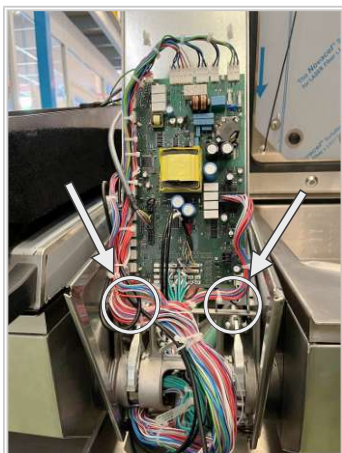
4. Carefully pull the console panel forward and let it hang down.



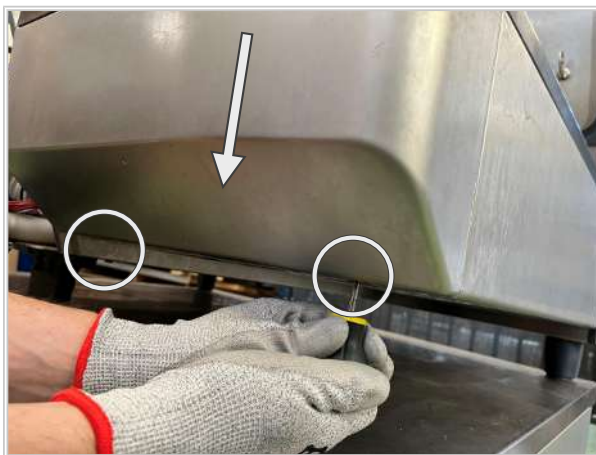
5. Remove the two screws from the circuit board holder.

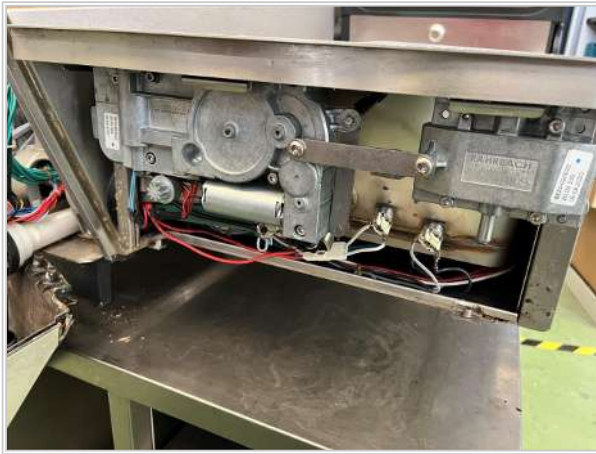


6. Position the circuit board holder vertically and hook it into the provided cut-outs.



7. Remove the front panel from the pan. To do this, remove the two lower screws.



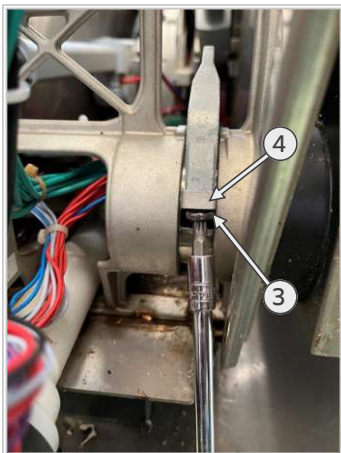


8. Remove the axle from the lifting cylinder to decouple the lifting cylinder from the swivel lever.



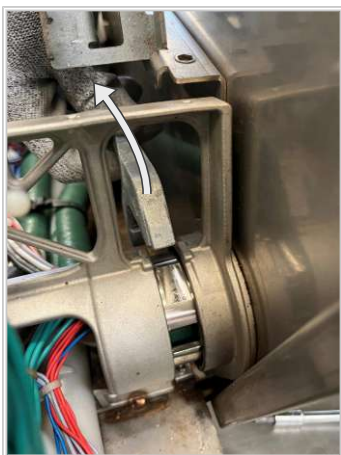
9. Remove the screw **(3)** from the swivel lever.

10. Remove the fixing plate **(4)**.



11. Remove the swivel lever from the unit.

If necessary, lift the pan slightly and release the swivel lever from the pan.

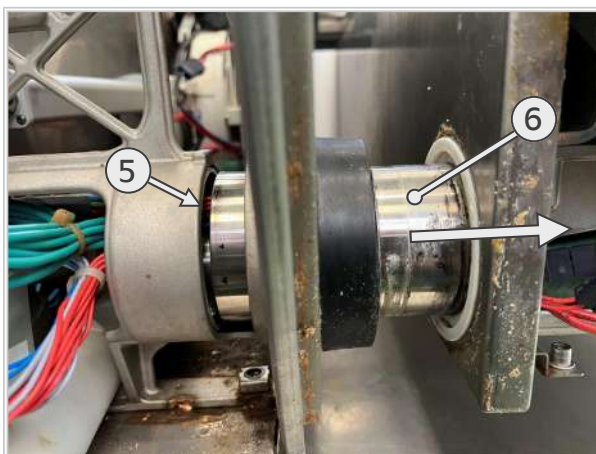
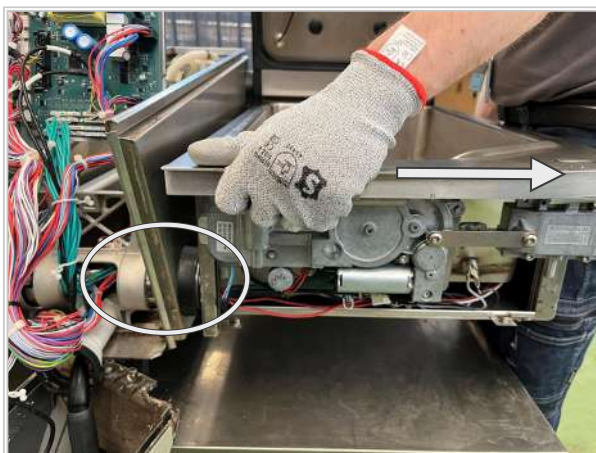


12. If necessary, disconnect the drain hose from the pan valve.



NOTICE! Proceed as follows to do this: Do not forcibly pull the cables. The cable lengths are sufficient to move the axis to the described position.

13. Carefully slide the pan with the pan axis outwards until the pan axis comes out of the first bearing (5).
The area of the pan axis (6) to be processed must be accessible.

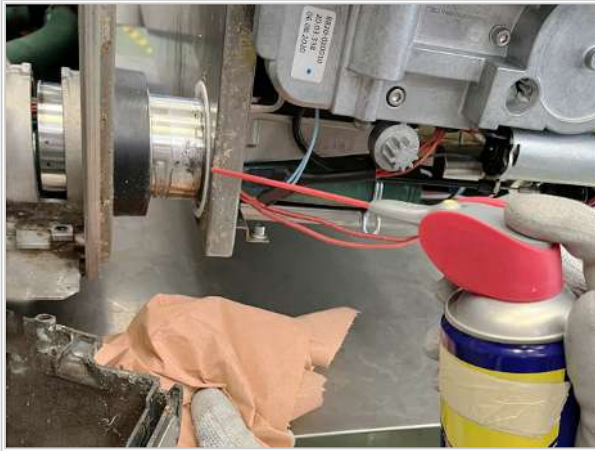


>> Disassembly is complete, the pan axis is accessible.

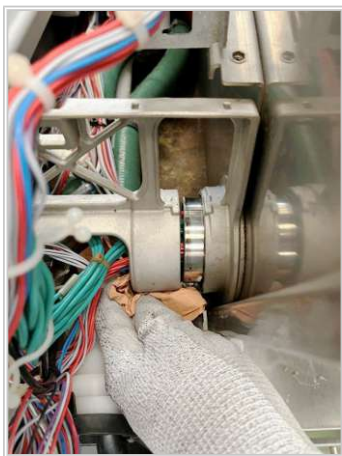
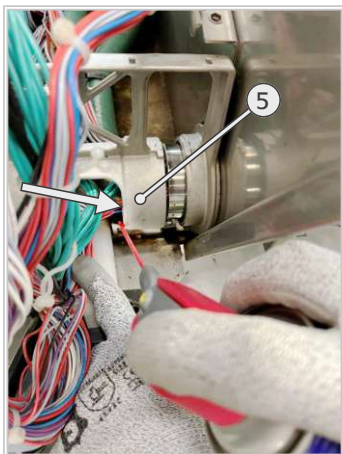
Work steps - Cleaning and lubricating the pan axis

NOTICE! Rust and deposits cause the increased friction and movement problems of the pan axis.

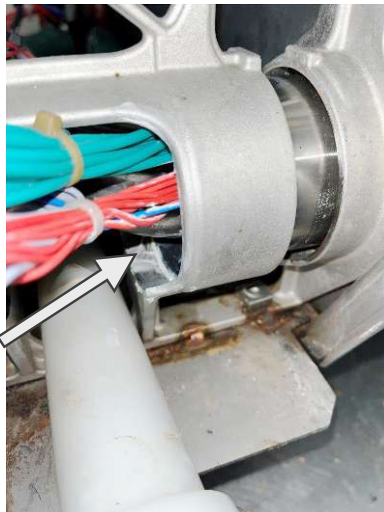
1. Clean the exposed area of the pan axis with a rust remover and a cloth.



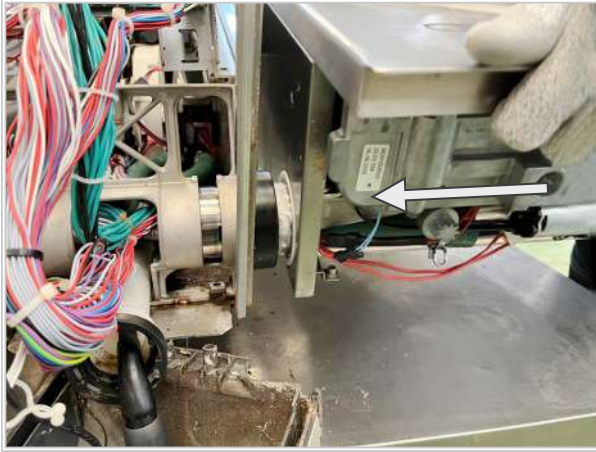
2. Also clean the inner bearing (5) carefully with a rust remover and a cloth.



3. Apply the prescribed white all-round high-performance fat to the cleaned surfaces (see above in chapter "Required tools").



4. Slide the pan back to its original position.



5. Move the pan up and down by hand a few times to distribute the fat and check for smooth movement.

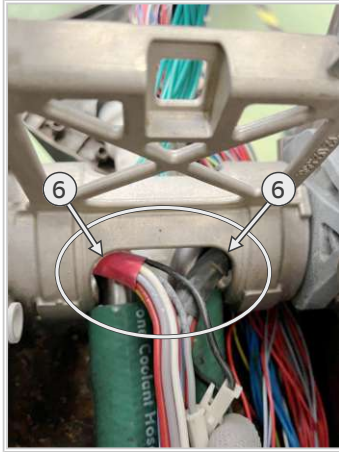


> Cleaning and lubrication of the pan axis is complete.

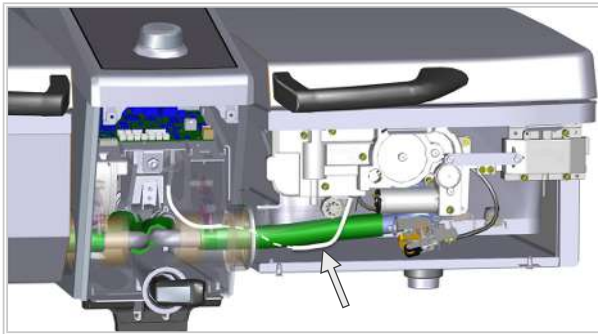
Work steps - Assembly - Reassembling the unit

1. Check that the cables are correctly positioned, the cables must be laid loosely in the pan axis, no tension on the cable harness.
2. Position the cable harness so that only the shrink hose (red and black here) is placed over the edges (6).

NOTICE! There must be no loose cables on the edge, as the cables would wear through!

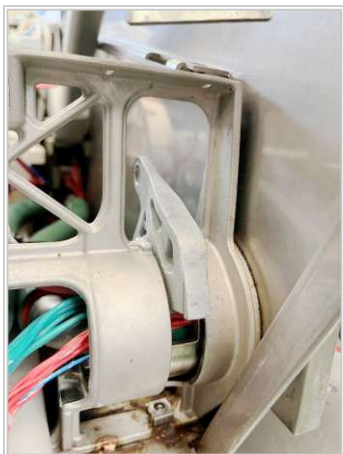


3. Check the position of the locking system wiring harness.

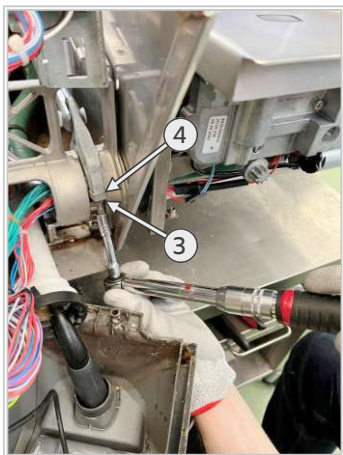


NOTICE! It is essential to also check the correct position of the cables as described in TI_2326.

4. Install the swivel cable again.



5. Replace the fixing plate (4) and the screw (3).
6. Tighten the screw (3) to 15 Nm.



7. Reassemble the unit in reverse order.
 - > The work is complete.