

## MI\_2513: Right side panel for pan - Removal and installation



iVario Pro L / XL



90 min.



See below under "Required tools"



25/11/2025

### Topic

This information describes the removal and installation of the right side panel for the pan.

In rare cases, the screws of the clamping bearing or the left bearing for the pan may come loose.

This can cause the pan to tip over and damage the right side panel.

Further information can be found in TI\_2503.

### Affected product/accessories

iVario Pro L / XL

### Required tool

- Standard
- Torque wrench (15 - 20 Nm)
- White all-round high-performance fat with NSF H2 approval (e.g. OKS 470)
- Liquid medium-strength screw lock
- Pallet jack (to support the pan)

### Required components

16.03.556P: Right side panel for pan (for iVario Pro L and XL)

### 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

Installation, inspection, maintenance and repair work must only be carried out by trained technicians and technicians authorised by the manufacturer. In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

**NOTICE! You can find more information in the installation manual.**

Installation position

- Pan right

### Safety instructions

#### **DANGER**

##### **High voltages when connecting to the mains power**

Danger to life due to high voltage.

- Disconnect from the power supply.
- Secure against unintentional switching on.
- 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.

The following instructions show the iVario Pro XL. The drain is identical for the iVario Pro L.

### Instructions - Removal - Removing the pan panels

- ✓ The lid is fully open.
- ✓ The unit is switched on and ready to use.
- ✓ The unit has cooled down.
- 1. Tilt the pan as far as possible.
- 2. Switch off the unit and disconnect it from the power supply.
- 3. Remove the 6 screws (4 on the iVario Pro L) from the bottom pan cover.
- 4. Remove the lower pan cover.



- 5. Remove the 2 screws on the rear pan cover.
- 6. Remove the rear pan cover.



- 7. Observe the following warning before performing the next step.

- > **WARNING! The unit is energized. Be sure to stay clear and do not touch components that are normally protected by the removed covers.**
- 8. Switch the unit on again.
- 9. Lower the pan fully.
- 10. Switch off the unit and disconnect it from the power supply.
- 11. Remove the 2 screws on the underside of the front pan cover.
- 12. Remove the front pan cover.
  - > **TIP:** Since 06/2023, an additional heat shield has been installed behind the pan cover.
- 13. If necessary, remove the plugged-in heat shield (not shown here).



- >> The removal of the lower, rear and front pan cover is complete.
- >> Then check the possible cause of the damage to the **right side panel for the pan**.

**Instruction – Check the bolted connection of clamping bearing and left bearing for pan**

- ✓ TI\_2503 is available
- 1. Check the bolted connection of the **clamping bearing and left bearing for the pan** as described in TI\_2503.
- >> The check of the bolted connection is complete.

**Instructions - Removal - Open the electrical compartment.**

- ✓ The unit is switched off and disconnected from the mains.
- ✓ The unit is secured to prevent it from being switched on again unintentionally.
- ✓ A protective surface such as cardboard or bubble wrap for the control panel is available above the pan.
- ✓ To open the electrical compartment, you can use the original installation instructions for iVario Pro L/XL in chapter *6.2 Opening the electrical compartment*.

1. Remove the control panel and place it on the prepared protective surface to avoid damage.
  - You do not need to unplug the control panel, but pay attention to the cables and plug connections.



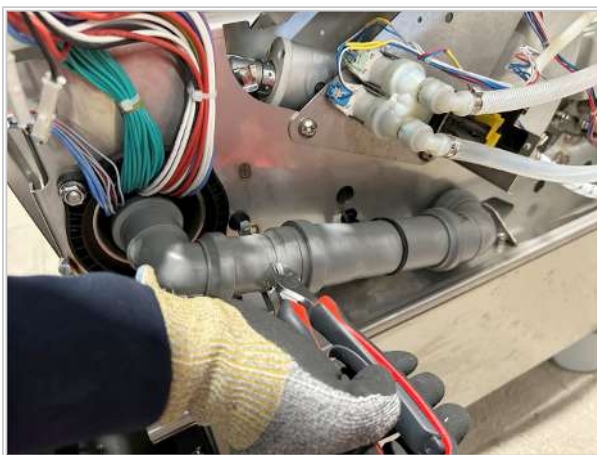
2. Carefully pull the console panel forwards, paying attention to the cables and plug connections.
3. Remove the right side panel.



>> The opening of the electrical compartment is complete.

### Instructions - Removal - Removing the drain

1. Disconnect the cable tie from the pan drain bend.



2. Pull off the pan drain bend and let it hang down.



3. Pull the pan drain pipe off the pan and remove it from the unit.

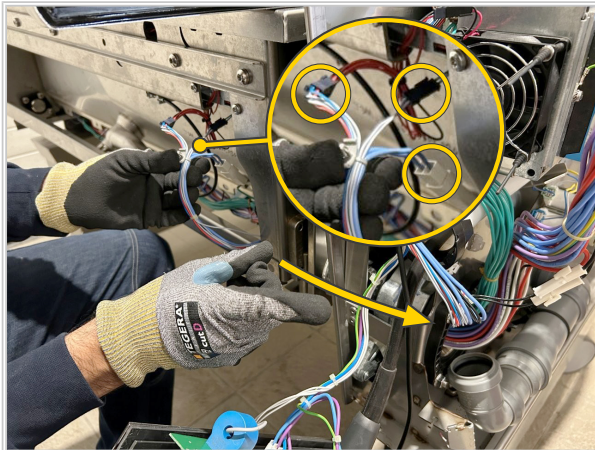


>> The removal of the drain is complete.

#### **Instructions - Removal - Removing the wiring harness from the pan side to the electrical compartment**

**INFORMATION:** One part of the wiring harness must be pulled out into the electrical compartment and another part towards the pan. The exact procedure is described below.

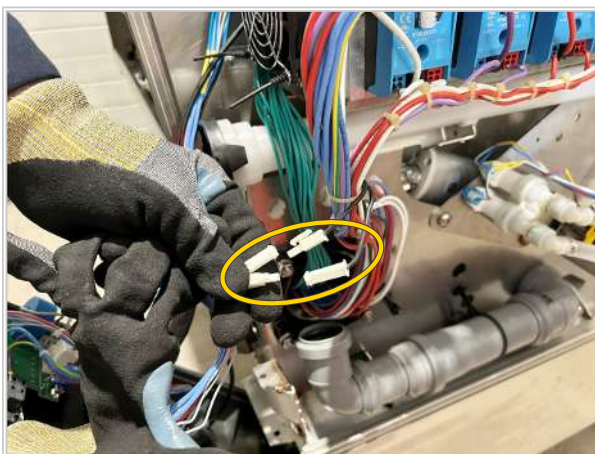
1. Disconnect the 3 circled plugs on the pan side.



2. Pull the wiring harness with the 3 plugs into the electrical compartment.



3. Disconnect the 2 circled plugs.

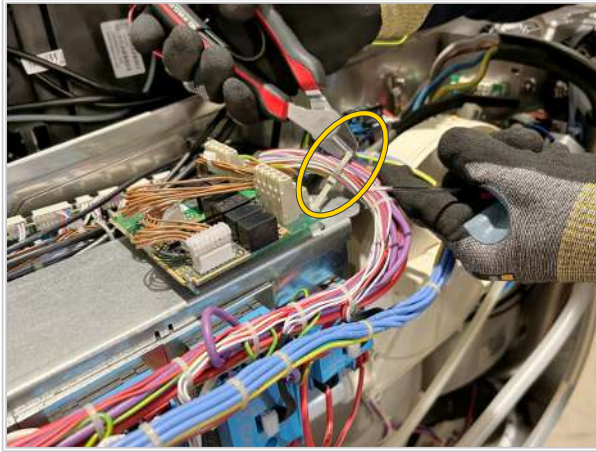


>> The removal of the wiring harness from the pan side to the electrical compartment is complete.

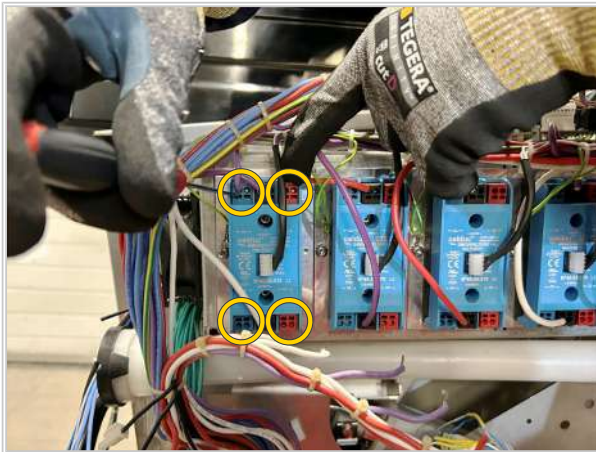
### Instructions - Removal - Disconnecting the heating element wiring harness

**INFORMATION:** This wiring harness is pulled out from the electrical compartment towards the pan after disconnecting.

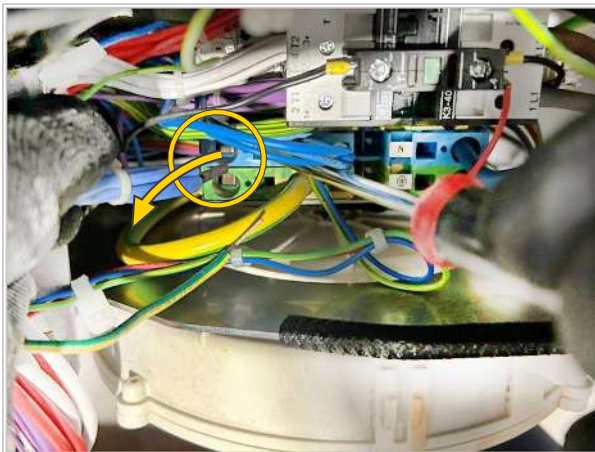
1. Cut the cable tie of the wiring harness shown in the illustration in order to then be able to pull out the wiring harness.
  - Note the position of the cable tie, e.g. take a photo.



2. Disconnect all cables from the blue and red SSR terminals.



3. Disconnect the crimped blue wires from the blue terminal.



4. Disconnect the yellow-green ground wire from the yellow-green terminal.



5. Pull the heating element wiring harness out towards the pan.



>> The disconnection of the heating element wiring harness is complete.

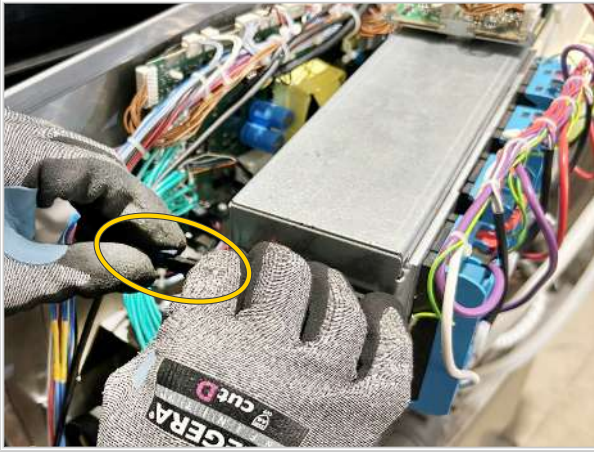
#### Instructions - Removal - Disconnecting the thermocouple wiring harness

**INFORMATION:** This wiring harness is pulled out from the electrical compartment towards the pan after disconnecting.

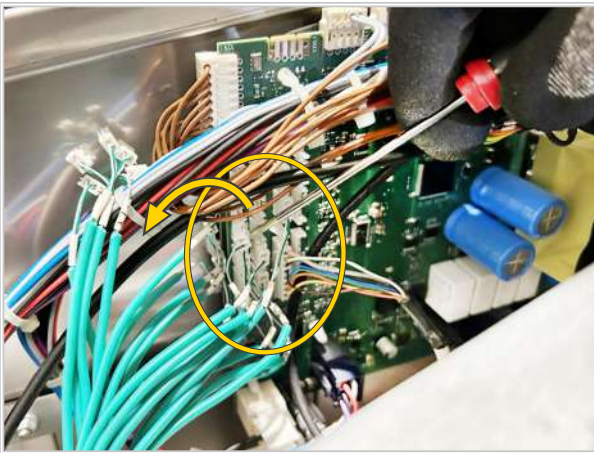
1. Remove the screw below the cooling fan to release the SSR housing.



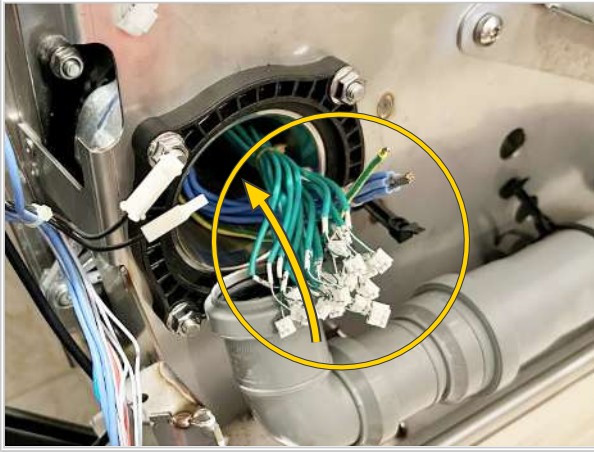
2. Disconnect the cooling fan connector.



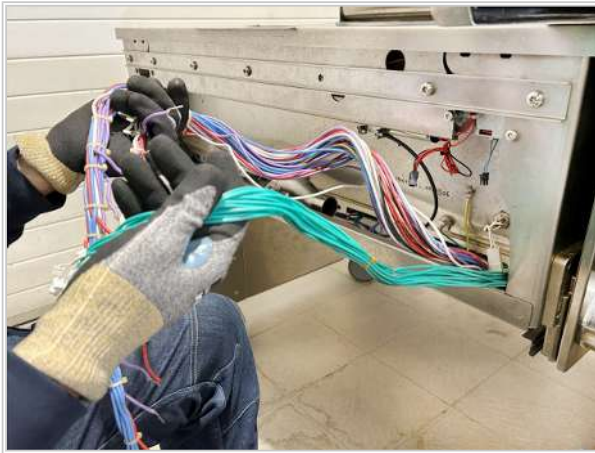
3. Swivel the SSR housing to the side so that you can access the thermocouple connections with the green cables.
4. Disconnect all thermocouple connectors from the PCB.
  - **TIP:** Use a flat-blade screwdriver to help. This makes it easy to disconnect the plug connection.
  - You do not need to remember the assignments of the individual thermocouple cables, as an allocation must then be carried out.



5. Pull the thermocouple wiring harness out towards the pan.



> The pan axis is now free.



>> The disconnection of the thermocouple wiring harness is complete.

### Instructions - Removal - Loosening the pan axis

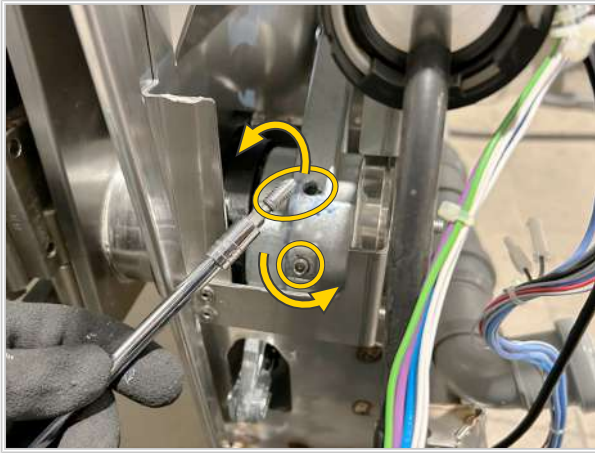
1. Remove the 4 screws from the pan inner bearing.



2. Remove the pan inner bearing carefully.



3. Remove the upper threaded pin on the swivel lever.
  - **Note on installation:** When assembling, use a screw lock for this screw. Tighten the screw to **15 Nm**.
4. Loosen the lower threaded pin by approx. two turns.



5. Remove the 2 screws of the lower clamping bearing.
  - **Note on installation:** When assembling these screws, use a screw lock. Tighten the screws to **15 Nm**.



6. Remove the lower clamping bearing.



7. Remove the lower key.



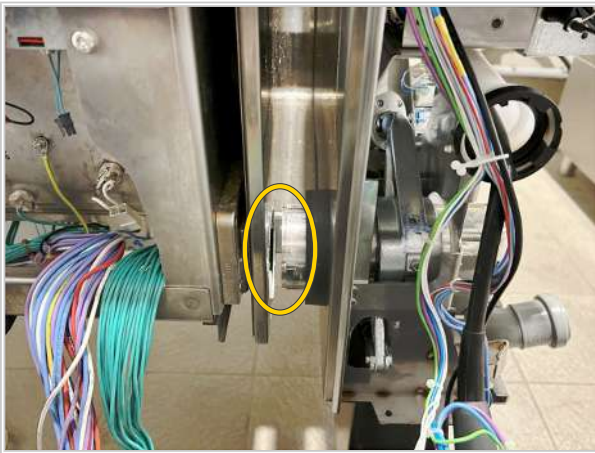
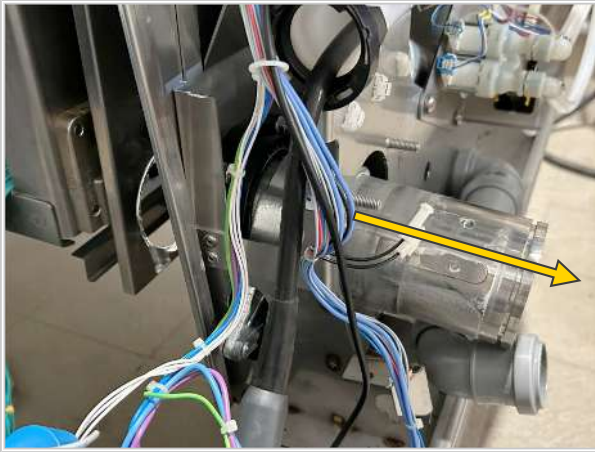
8. Bend the retainer upwards with a slotted screwdriver to be able to remove the upper key later.
  - **INFORMATION:** The upper key is located behind the locking tab.
  - **Note on installation:** Bend the locking tab down again during installation.



9. Support the pan with a pallet jack or similar lifting aid.
  - **NOTE:** The pan must be securely supported from below, as the pan axis will then be released from the pan.



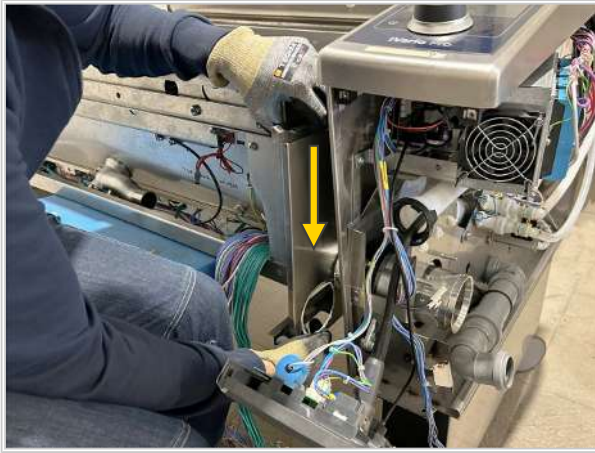
10. Pull out the pan axis slightly towards the electrical compartment by leverage, do not remove.
  - You only need to pull out the pan axis far enough to remove the side panel.
  - Pay attention to the upper key, it must come loose from the pan axis.
  - **Note on installation:** Before installing, lubricate the pan shaft with the following lubricant - white all-purpose high-performance grease with NSF H2 approval (e.g. OKS 470)".



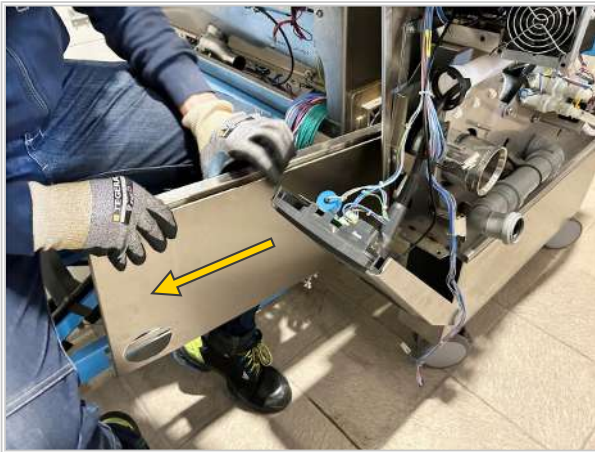
>> The release of the pan axis is complete.

### Instructions - Removal - Removing right side panel for the pan

1. Lever the side panel out of the lock at the top.



2. Then pull the side panel slightly towards you and guide it downwards out of the unit.



>> The right side panel for the pan is removed.

### Instructions - Installation - Reassembling the unit

1. Install the new **right side panel for the pan**.
2. Observe the installation lubrication instructions for the pan axis.
3. Observe the installation instructions on the use of a screw lock and a torque wrench.
4. Replace the removed cable ties.
5. Reassemble the unit in reverse order.

>> The unit is reassembled.

Since the thermocouples were randomly connected to the I/O board, you must then carry out an allocation.

### Performing the allocation

- ✓ The unit is connected to the mains.
  - ✓ The unit is switched on.
1. Perform an allocation via the service level, in order to assign the thermocouples to the correct heating elements.



>> The allocation is complete.

**NOTE:** If a service error occurs during allocation, use the "SERVICE REFERENCE iVario & iVario Pro" document as an aid.