

Keyboard pcb mounting instructions

Valid for:

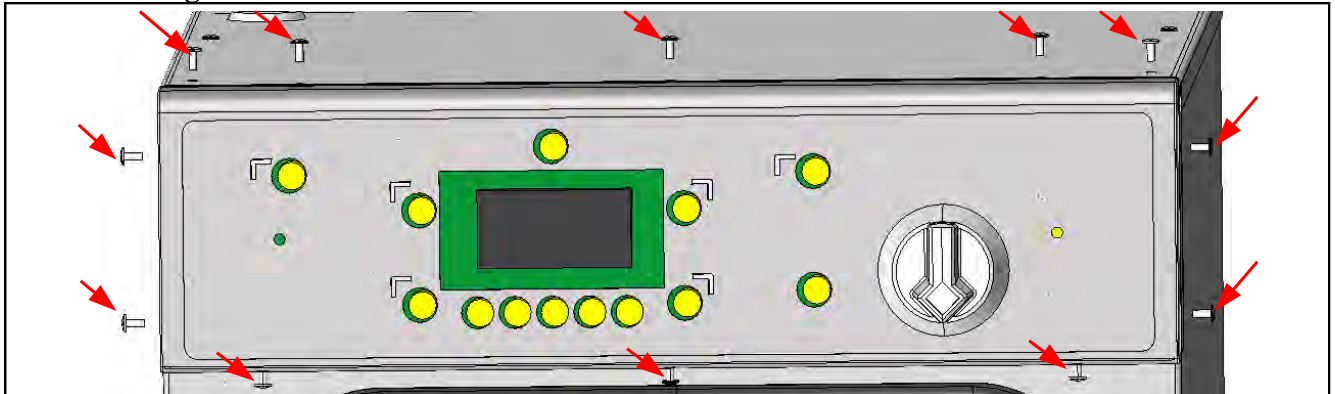
Space\$afer / Space\$afer Plus	MM203790
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Arrangements:

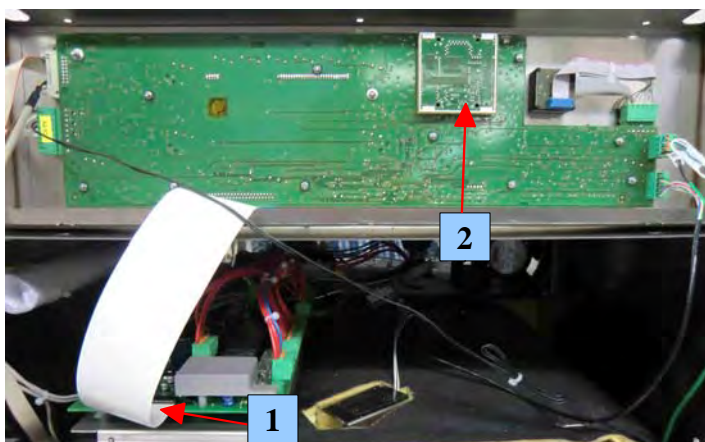
Disconnect the unit from the power supply, to avoid any damages of the pcb!

Pcb's can be damaged by static charges. Use e.g. an antistatic wristband during the work. If possible do not touch the surface of the board!

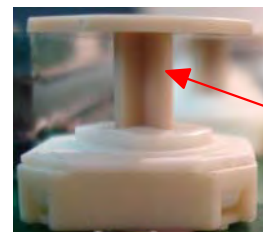
Disassembling:



➤ Remove all front panel screws. Open cabinet door to get access to all screws.



- Take out the operation panel and place it on top of the unit.
- Pull ribbon cable from the relay pcb evenly [1].
- Remove all plugs from the keyboard pcb.
- Pull out flash module [2] and plug it on the new pcb.
- Remove all nuts and take out the keyboard pcb



➤ Remove all button caps [3].

Assembling:

- Plug flat ribbon cable at the keyboard pcb first! Replace cable, if pre-damaged.
- Mount all caps and clips on the the new keyboard pcb. Fasten all nuts easily and check buttons function parallel. The used self nuts are self locking nuts.
- Mount all plugs at the keyboard pcb and plug flat ribbon cable at the relay pcb.
- Mount operation panel at the unit. **Caution!** Do not pinch the cables while mounting the panel.
- Connect unit to the power supply and check performance.
- Cross-check function of all buttons with the help of the service menu -> Button-Test .

Relay pcb mounting instructions

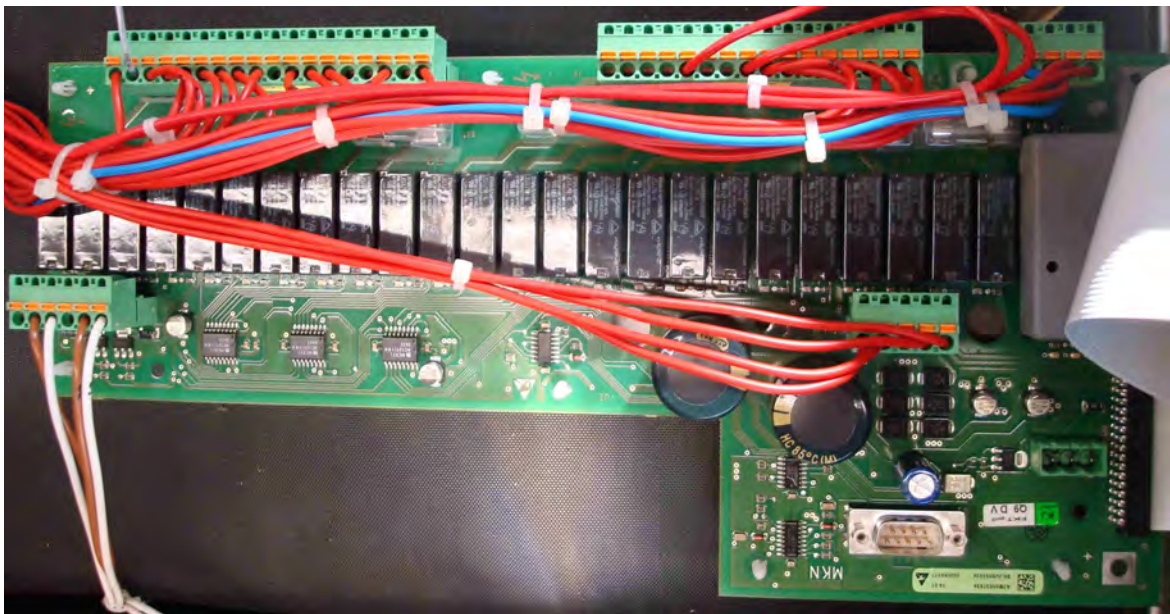
Valid for:

SpaceSafer / SpaceSafer Plus	MM203747
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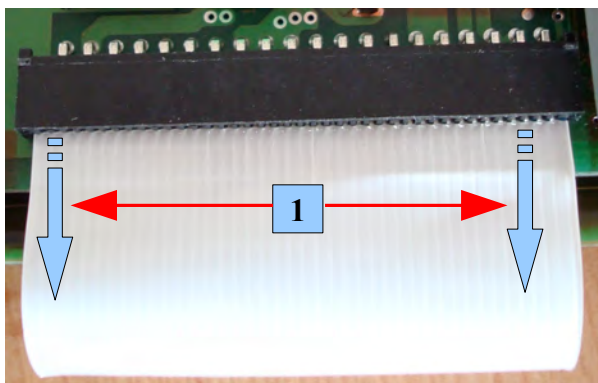
Arrangements:

Disconnect the unit from the power supply, to avoid any damages of the pcb! Open lid (top cover). Pcb's can be damaged by static charges. Use e.g. an antistatic wristband during the work. If possible do not touch the surface of the board.!

Disassembling:

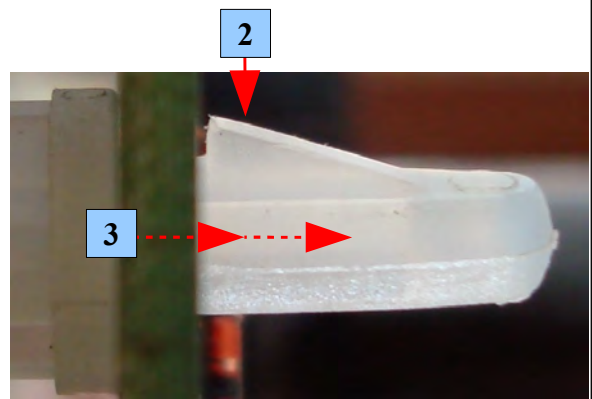


➤ Remove all plugs carefully.



Sample photo

➤ Pull ribbon cable from the relay pcb evenly [1].



➤ Remove relay pcb from mounting plate.
➤ Unlock (push) each plastic clip [2] and pull out the relay pcb carefully [3].

Montage:

- Mount new relay pcb.
- Plug flat ribbon cable. Replace cable, if pre-damaged.
- Mount all plugs at the relay pcb.
- Close lid (top cover)
- Connect unit to the power supply and check performance.

Flash module mounting instructions

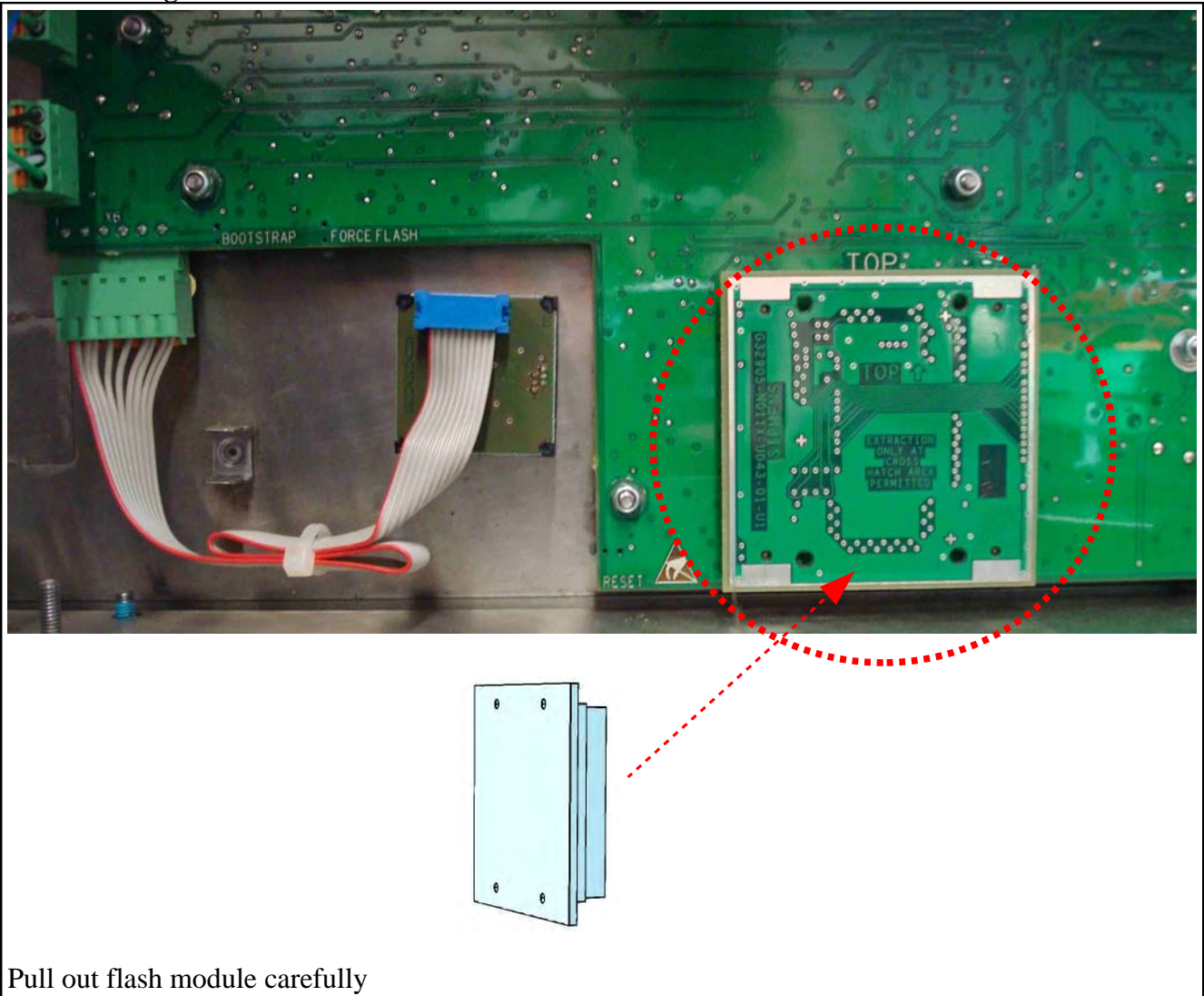
Valid for:

Space\$afér / Space\$afér Plus	MM203748
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Arrangements:

Disconnect the unit from the power supply, to avoid any damages of the pcb! Open lid (top cover). Pcb's can be damaged by static charges. Use e.g. an antistatic wristband during the work. If possible do not touch the surface of the board!

Disassembling:



Assembling:

The assembly has to be carried out in reversed order. The Flash module is equipped with a double connection. Therefore the module can be plugged arbitrarily. Finally close lid and reconnect unit.

Pressure switch mounting instructions

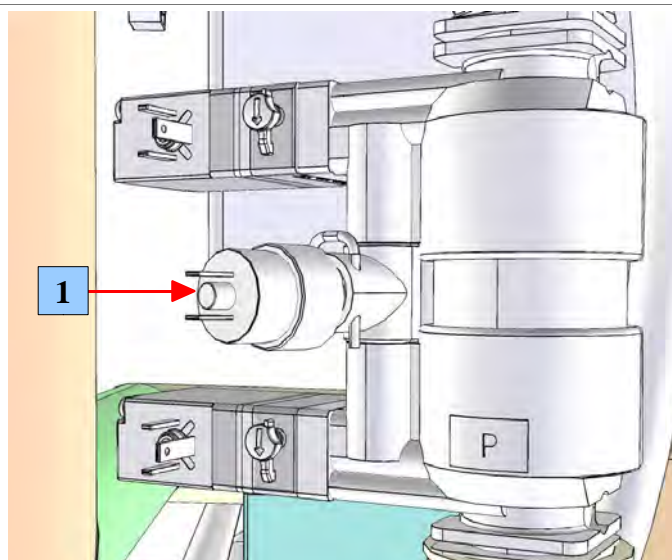
Valid for:

Space\$افر / Space\$افر Plus	MM202601
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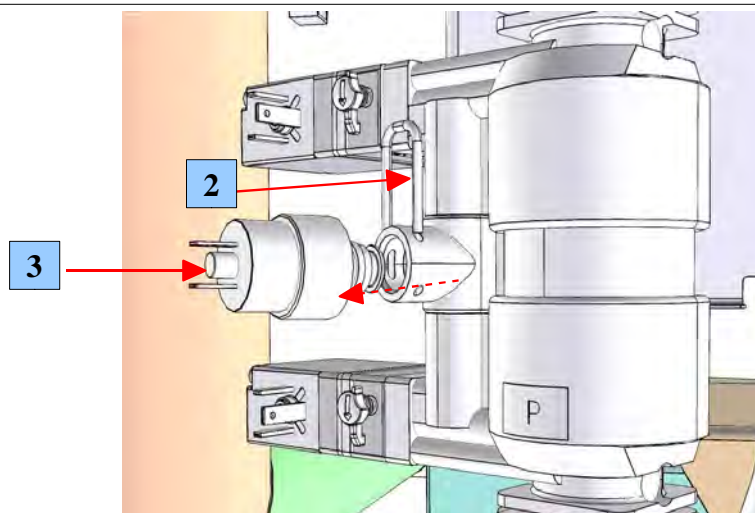
Arrangements:

Disconnect the unit from the power supply. Close water tap on site and relieve pressure on the supply site. Remove left side panel.

Disassembling:



- Remove both wires from the pressure switch [1].



- Pull out spring clip [2]
- Take out the pressure switch [3]

Assembling:

The assembly has to be carried out in reversed order.

- Final function test.
- Mount side panel.

AST unit mounting instructions

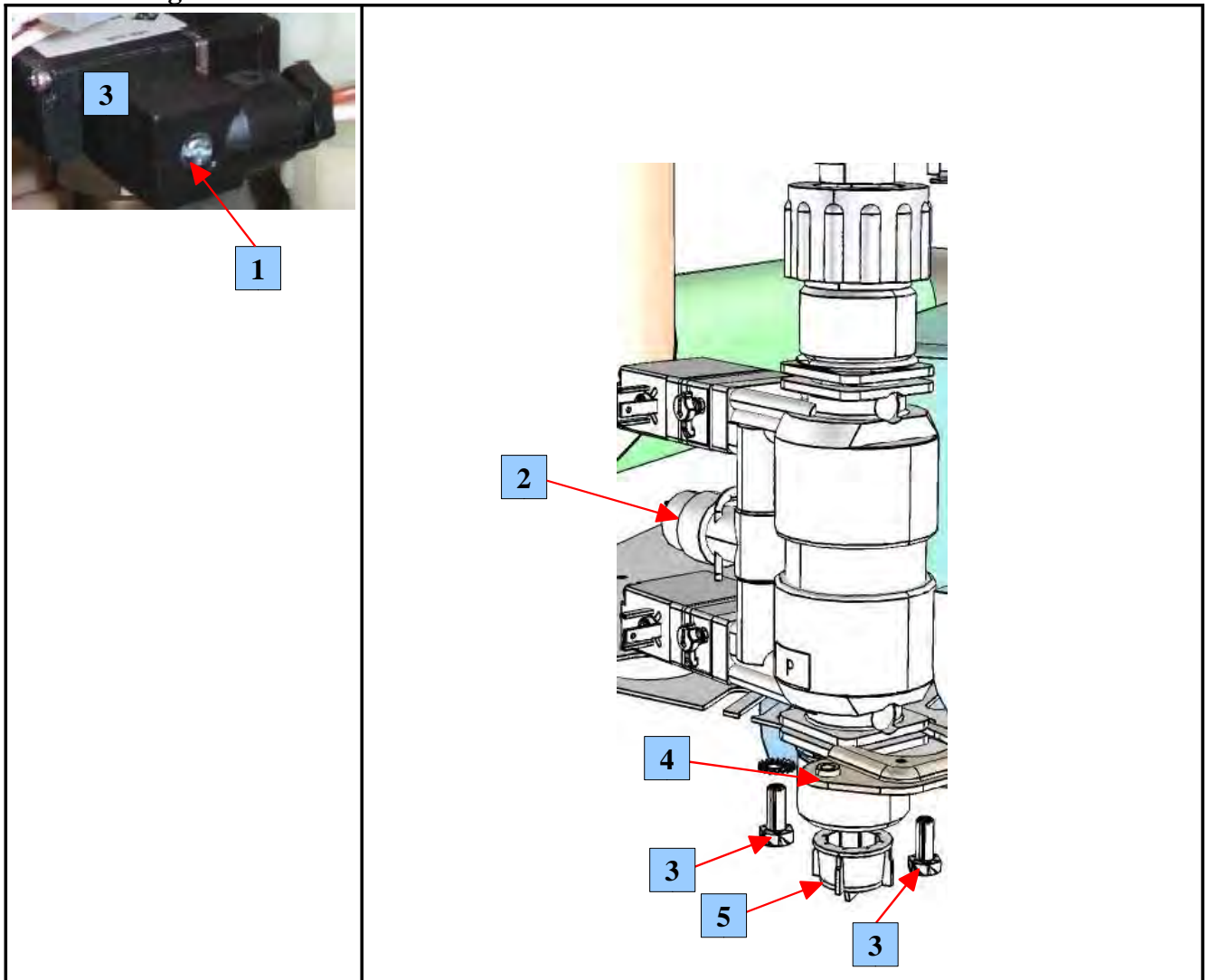
Valid for:

Space\$afe / Space\$afe Plus	MM#202739	MM202740
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Arrangements:

Disconnect the unit from the power supply. Close water tap on site and relieve pressure on the supply site. Remove back panel.

Disassembling:



- Remove screws [1] at both connections and remove plug.
- Remove wires from the pressure switch [2] (if available).
- Disconnect water supply. Afterwards remove the mounting screws from the bottom plate [3] and remove holding plate [4].

Montage:

- The assembly has to be carried out in reversed order. The „P“ marking must be at the entry (bottom) side. Ensure that the water inlet filter [5] (#201134) has inserted.
- Final function test with the service menu (service menu -> 10 Water-Test).
- Mount back panel.

Rectifier mounting instructions

Valid for:

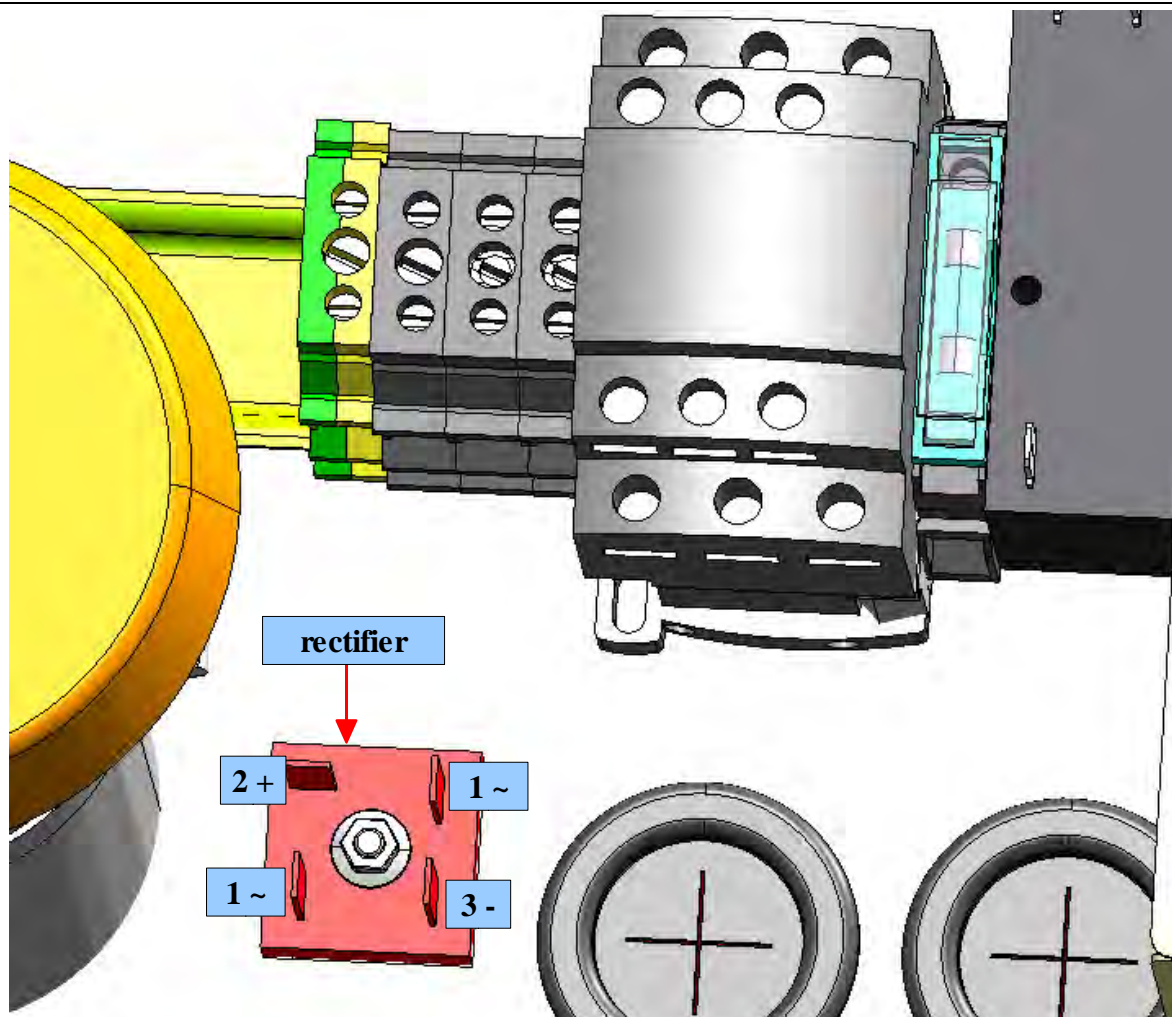
Space\$aver / Space\$aver Plus

MM203442

Arrangements:

Disconnect the unit from the power supply. Remove lid (top cover)

Part location:



The rectifier is located next to the main contactor K1

Mounting instructions:

- Write down the cable configuration before removing the wires!
- Check fuse F4 which is located on the electric mounting plate (beside contactor K1) as well as fuse F4 (Gold/ Silver1-version) or rather fuse F2 (Silver2-version) on the relay board!
- Final function check (Service menu -> 5 Relay-Test -> K8 Fresh air flap).
- Rectifier layout:

No. at drawing	Marking at rectifier	Wire connection
1	~	Red wire from pcb
1	~	Blue wire from pcb
2	+	Wire to lift magnet
3	-	Wire to lift magnet

Lift magnet mounting instructions

Valid for:

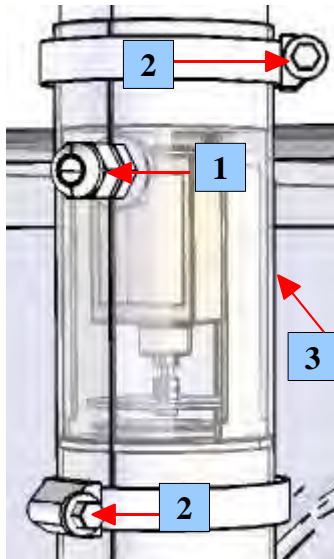
Space\$afer / Space\$afer Plus

MM203672

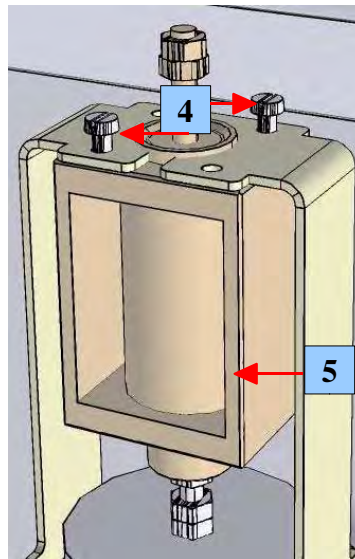
Arrangements:

Disconnect the unit from the power supply. Remove rear panel (back wall).

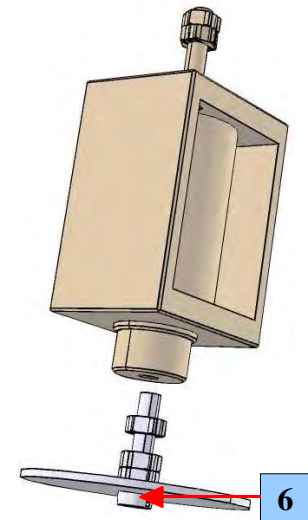
Disassembling:



- Remove plugs from the supply cables and unscrew cable connection.
- Unfasten both clamps [2].
- Pull silicon hose [3] upstairs.

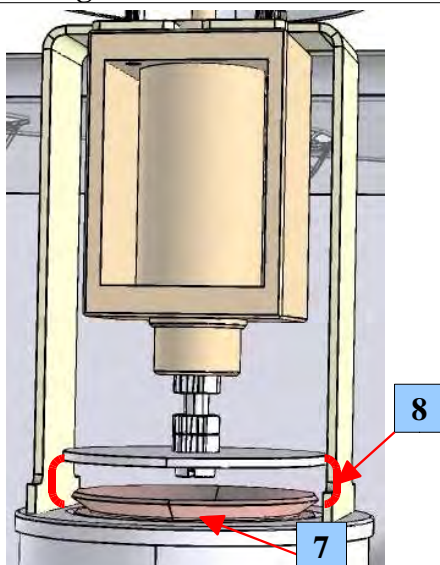


- Dismount both screws [4] and remove lift magnet [5].



- Dismount lift mechanism [6].

Assembling:



- The assembly has to be carried out in reversed order.
- Replace seal [7] #211080 if necessary
- The lift mechanism has to be glued with thread locker (etc. Loctite).
- The height of stroke [8] must be between 5 – 7 mm.
- Pull cables through the cable connection and mount plugs #203730.
- Carry out a final check with the help of the service area.
(Configuration menu -> 5 Relay-Test -> K8 Lift magnet)
- Mount rear panel (back wall).

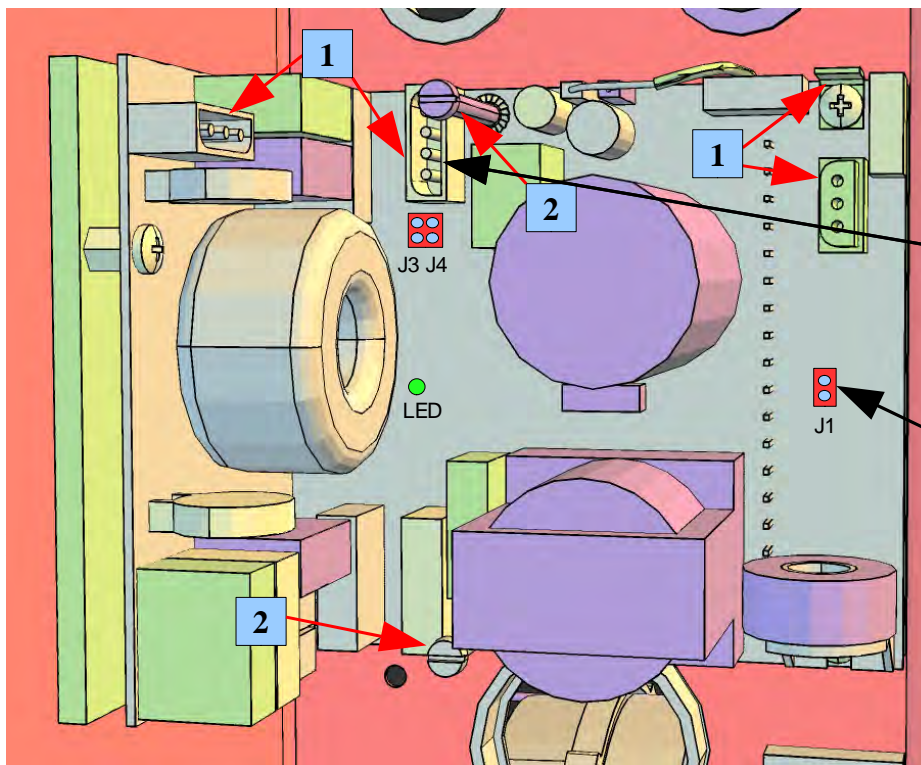
Frequency controller mounting instructions

Valid for:

<input checked="" type="checkbox"/> All units with frequency fan motor control	MM203784
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Arrangements:

Disconnect the unit from the power and gas supply. Wait at least 3 minutes until the capacitors on the controller have unloaded themselves! Open lid (cover plate).



Jumper positions
for fan motor speed

J3	J4	J3	J4
6.1	6.2	10.1	10.2
20.1		20.2	

(default setting)
No change
necessary!

Jumper position for
supply voltage
Plugged= 230V Configuration
Open = 115V Configuration
Factory setting:
230V Configuration

Disassembling:

- Pull plugs [1].
- Remove both mounting screws[2].
- Remove part.

Assembling:

- Check configuration of the frequency converter before mounting! (compare with the dismantled frequency converter).
- The assembly has to be carried out in reversed order.
- Close and lock front panel
- Connect unit to the power supply and check performance.

Fan Motor mounting instructions

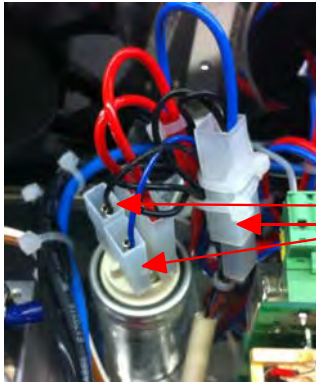
Valid for:

SpaceSafer / SpaceSafer Plus

Arrangements:

Disconnect the unit from the power supply. Remove lid and rear panel (top cover and back panel). Remove water supply pipe which is mounted at the air baffle in the cooking cabinet.

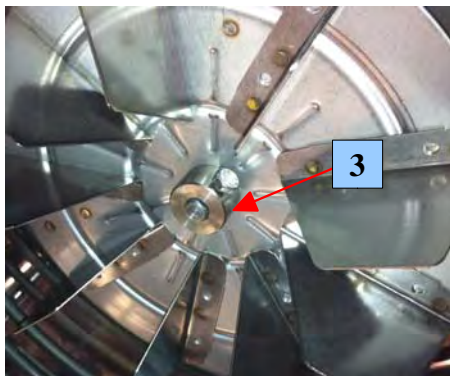
Disassembling:



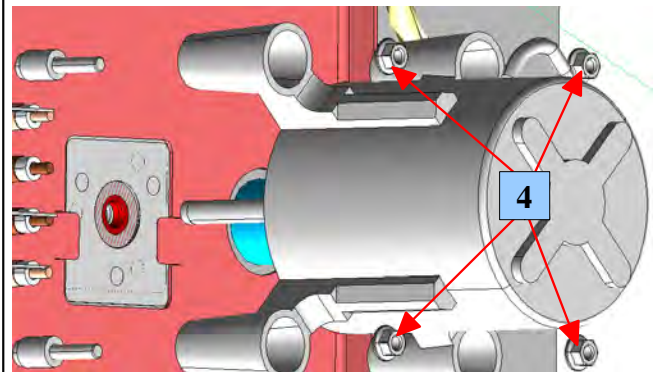
- Remove electrical connections [1] (concerns only units with frequency controller). For units with frequency controller, the plugs at the controller need to be disconnected. Also remove cable straps to pull back the wires.



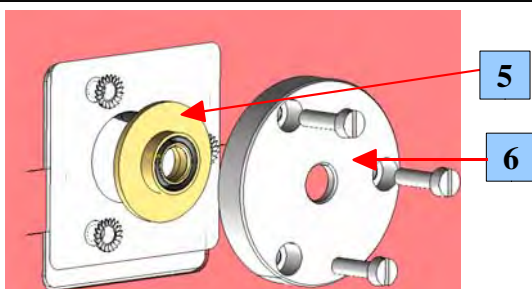
- Disconnect the two grey cables from the motor at main contactor K1 (clamp A1 and 22). Also remove cable straps to pull back the wires [2].



- Remove securing screw [3] and pull the fan wheel from the shaft.



- Unscrew nuts [4] and take out fan motor.



- Turn out screws and remove shaft plate [6]
- Replace shaft seal against a new one [5]!

Assembling:

- The assembly has to be carried out in reversed order.
- Place a small amount of grease (high temp. resistant, food safe) on the motor shaft (very thinly, not at the cone area of the shaft).
- Connect all plug and mount all panels.
- Reconnect unit. Carry out final performance check

Solid state relay (illumination) mounting instructions

Valid for:

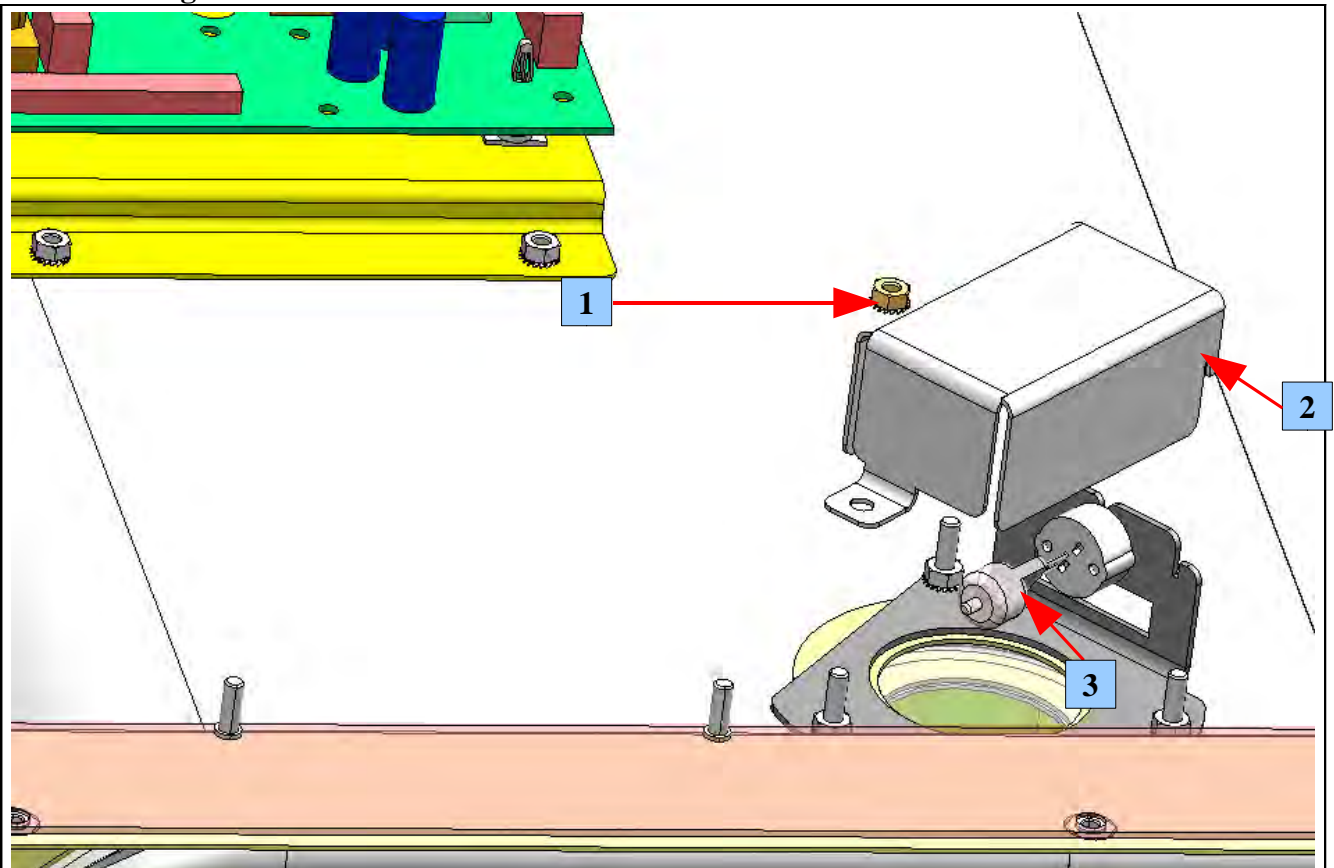
Space\$افر / Space\$افر Plus

MM202620

Arrangements:

Disconnect the unit from the power supply. Open lid (top panel).

Disassembling:



- Remove nut[1].
- Remove cover [2].

- Take out halogen bulb from the socket [3].

Assembling:

- Put new bulb into the socket carefully. Don't touch the bulb glass with the fingers (use cloth or paper).
- Mount reflector.
- Final function test.
- Mount lid (top cover).

Drain solenoid valve (manual rinsing) mounting instructions

Valid for:

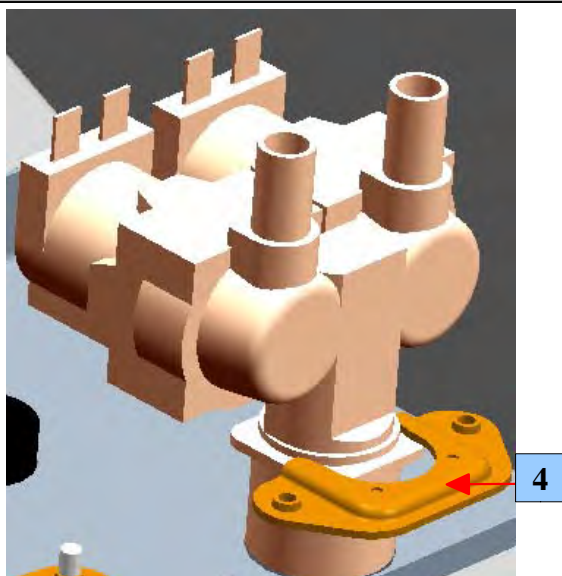
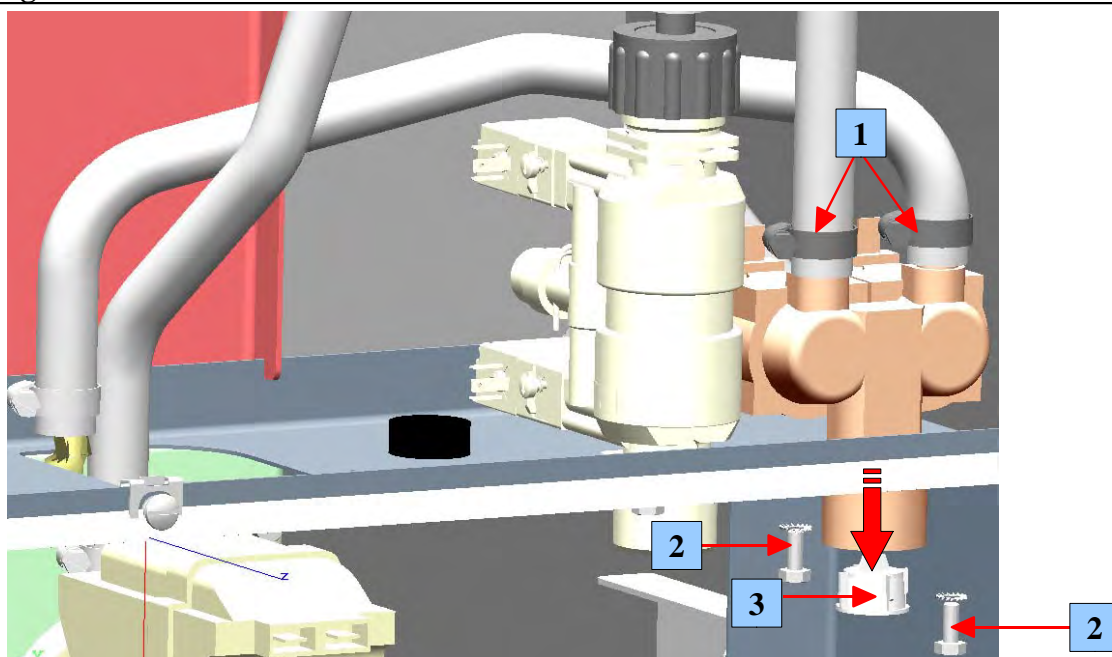
Space\$afe / Space\$afe Plus

MM203791

Arrangements:

Disconnect unit from the power supply. Close water tap on site and relieve pressure on the supply site. Remove rear panel.

Disassembling:



- Disconnect both valves. Note assignment!
- Open clamps [1] and remove hoses.
- Afterwards remove the mounting screws from the bottom plate [2] and remove holding plate [4]. Take out the water filter [3] and clean, if necessary.

Assembling:

- The assembly has to be carried out in reversed order. Ensure that the water inlet filter [6] (#201134) has inserted.
- Final function test with the service menu (-> 11 Drain cooling test). Close rear panel.

WaveClean pump mounting instructions

Valid for:

Space\$افر / Space\$افر Plus	MM#203825	MM203826
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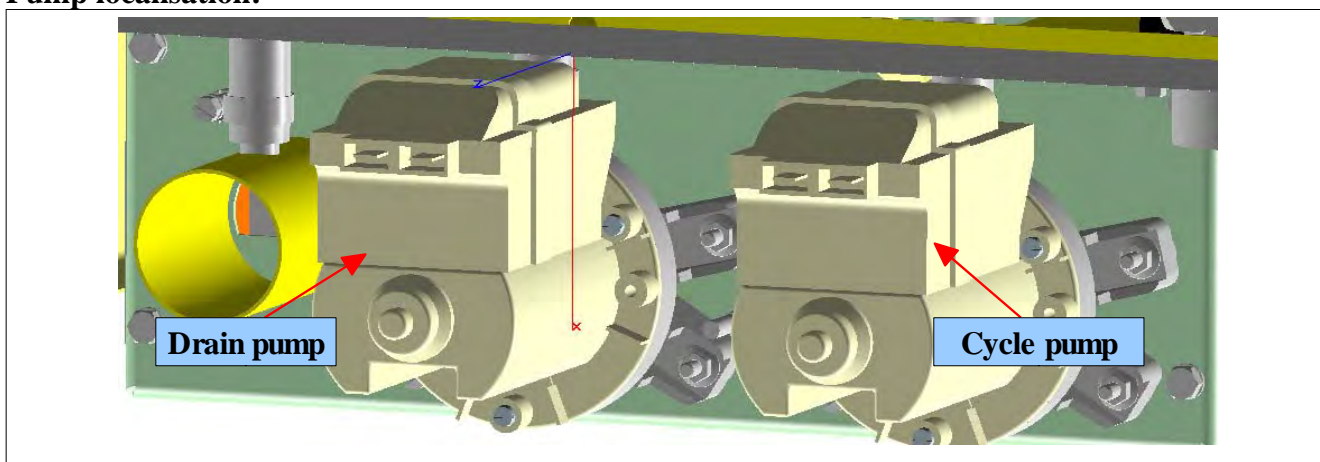
Preparations:

Before removing the WaveClean cycle pump: Carry out relay test K24 at the Service menu „777“. The trap will be emptied by the WaveClean drain pump..

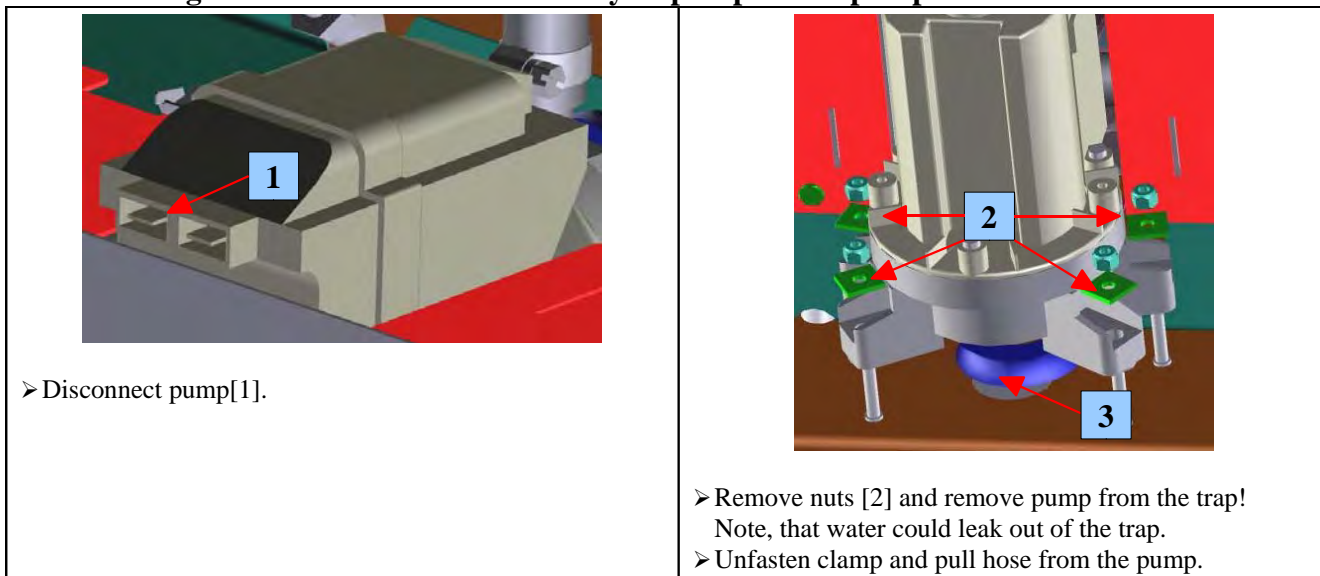
Before removing the WaveClean drain pump: Carry out relay test K16 at the Service menu „777“. The WaveClean cycle pumps now the water from the trap into cabinet. Collect the water with a container until no water will be cycled any more.

Disconnect unit from the power supply. Close water tap on sit and remove rear panel (back cover). Finally drop off pump protection box.

Pump localisation:



Disassembling instructions for WaveClean cycle pump/ drain pump:



Assembling:

- The assembly has to be carried out in reversed order. The gasket [3] (#211131) between pump and trap should be exchanged.
- Switch on the power and open water tap.
- Final function test with the help of the service menu -> WaveClean Test. Mount protection box and rear panel.

Door lock spring mounting instructions

Valid for:

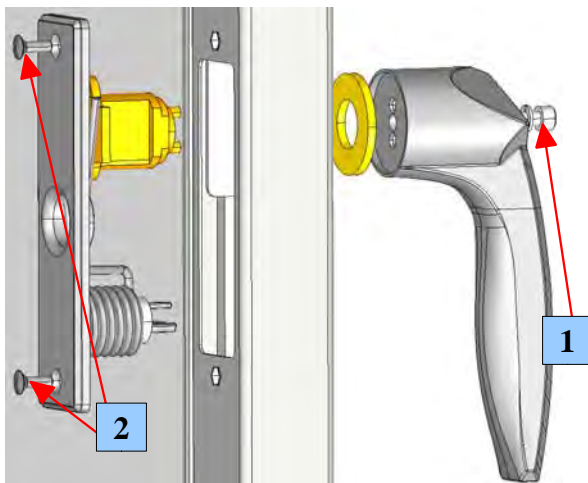
Space\$افر / Space\$افر Plus

MM216156

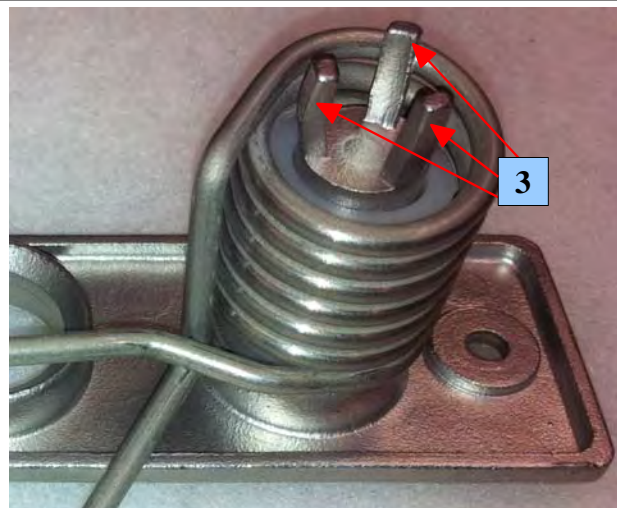
Arrangements:

- Remove adhesive label from the door handle.

Dismounting instructions:



- Remove door handle [1].
- Remove screws from the cover [2] and take out the latch. CAUTION! Spring is in tension!



- Remove brass part carefully!
- Bend the three joint bars [3] straight and remove spring.



- Insert new spring and bend the joint bars back as shown on the picture.



- Place brass part with the elongated end facing towards the opening of spring.



View of the tensed spring



- Mount tensed spring with brass part at the door lock cover.
- Mount door lock and handle in reversed order.

Cooling fan mounting instructions

Valid for:

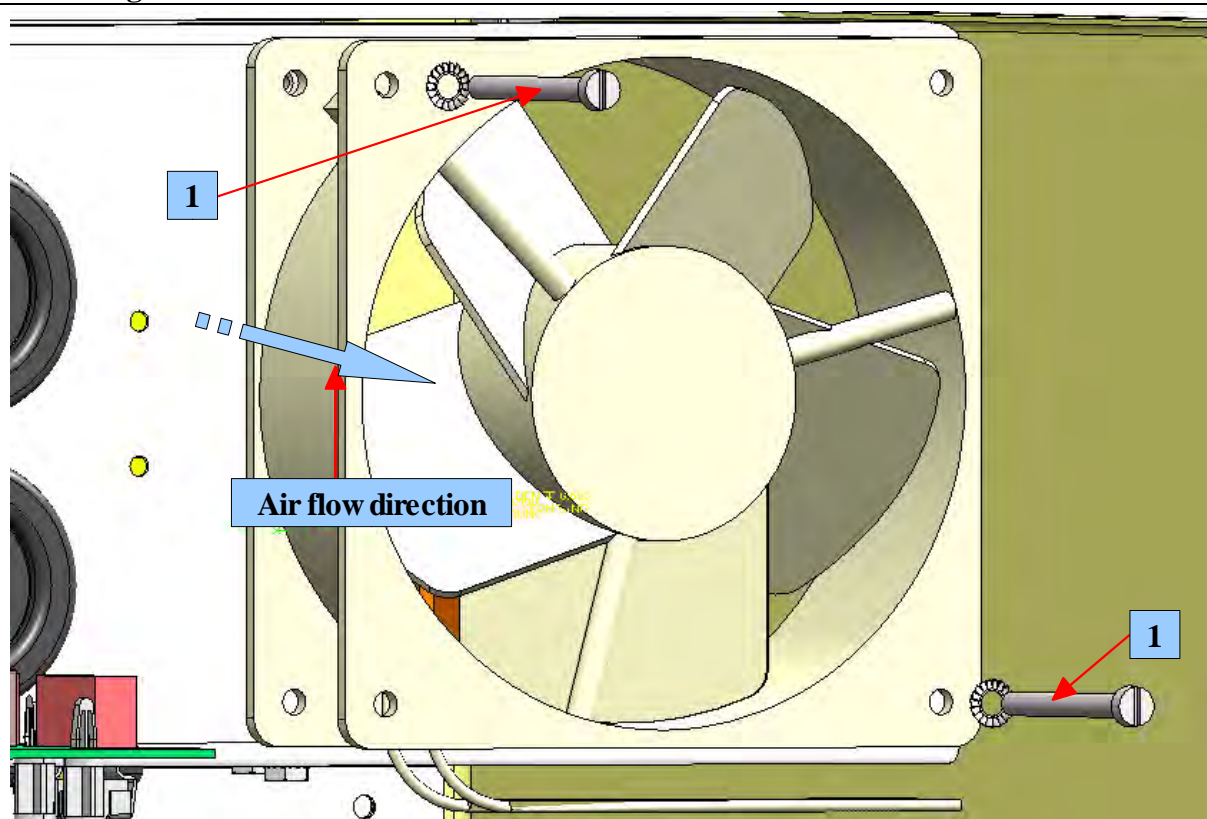
Space\$afe / Space\$afe Plus

MM203819

Arrangements:

Disconnect unit from the power supply. Open lid (top cover).

Disassembling:



- Disconnect cooling fan
- Remove mounting screws [1]
- Take out cooling fan

Assembling:

The assembly has to be carried out in reversed order. Take care of the correct air flow direction! The air intake has to be from the back into the electronic compartment (see also arrow marking on the cooling fan)!

Cabinet door conversion instructions

Space\$afes & Space\$afes Plus

Required spare parts for conversion from right to left hinged door:

Qty.	Part-No.	Description
1	MM960812	Cabinet door Space\$afes & Space\$afes Plus, left hinged
1	MM209334	HennyPenny label for door handle

Required spare parts for conversion from left to right hinged door:

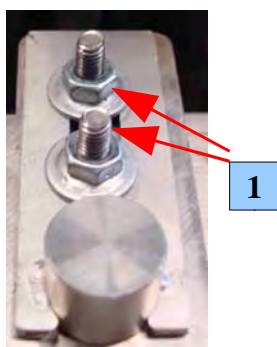
Qty.	Part-No.	Description
1	MM960807	Cabinet door Space\$afes & Space\$afes Plus,, right hinged
1	MM209295	HennyPenny label for door handle

Mounting instructions

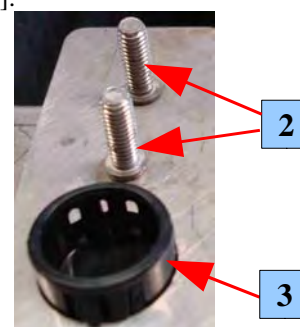
Cabinet door replacement:

- Disconnect unit from power supply and disconnect water, if needed.
- Remove upper cover screws as well as the cap from the fresh air pipe.
- Remove upper cover plate.
- Remove front panel and place carefully on the unit. Caution! Do not damage the flat ribbon cable!
- Remove door lock mechanism from the door and mount at the new door (see also drawing on page 2).

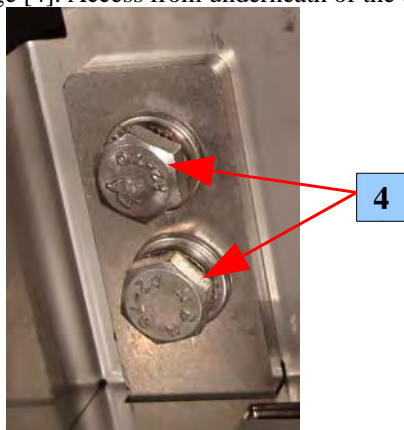
- Unfasten both nuts from the upper hinge[1] and take the door out. Remove nuts and hinge.



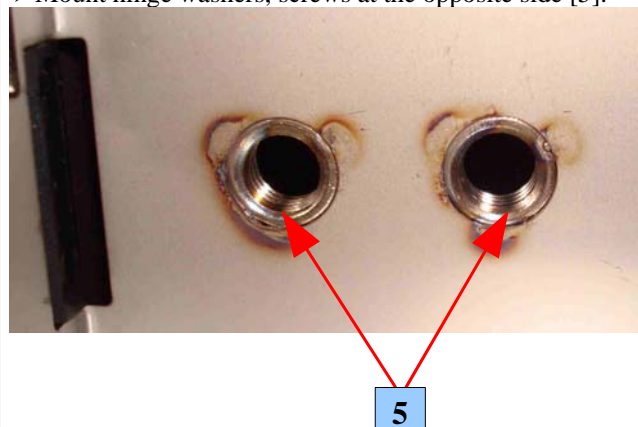
- Mount hinge and nuts loosely at the opposite side[2]. Remove the black cap in advance and push it at previous hinge position [3].

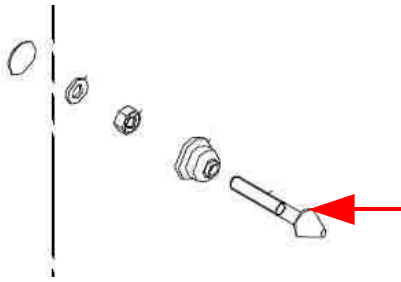


- Unfasten both screws from the lower hinge and remove washers, hinge [4]. Access from underneath of the unit!



- Mount hinge washers, screws at the opposite side [5].



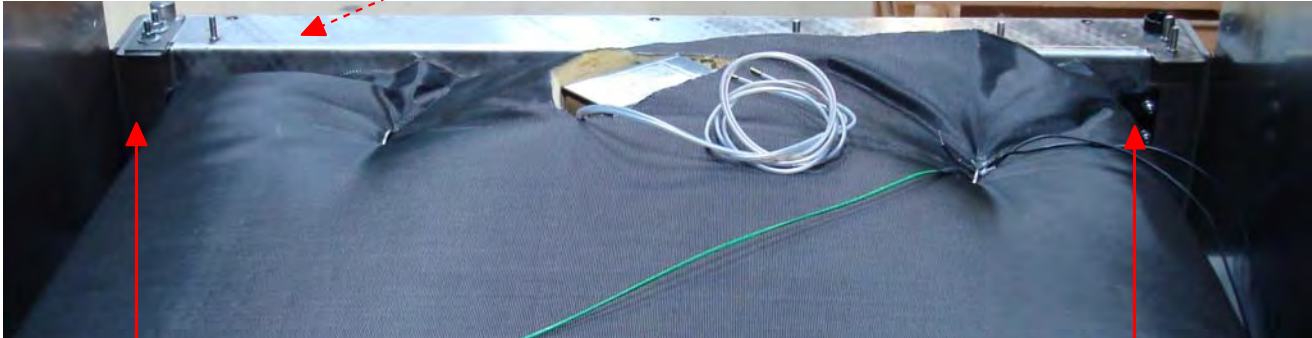
 <p>➤ Remove door pin from the unit [6].</p>	<p>➤ Take out black cap at the opposite side and mount door pin. ➤ Plug black cap in the hole of the previous door pin location.</p>
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➤ Mount and adjust new cabinet door. Finally fasten all screws / washers from both hinges!

Door contact (reed contact) conversion:

- Remove both nuts [7] and take out the door switch. The part is located sideways of the cabinet. The side depends on the door version.
- Mount door switch on the opposite side [8].

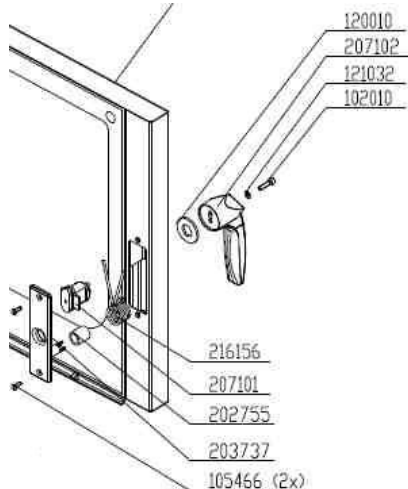
Front area / Cabinet door



The picture shows the conversion from right to left hinged version.

- Mount operation panel and plug flat ribbon cable, if necessary.
- Connect water and power supply.
- Final function test. Check tightness of the door area by using the function „manual rinsing“ or „WaveClean test“ (in the service area)
- Mount upper cover plate.

Spare part overview for door lock / door handle:

	
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