

Ropox StandardLine Washbasin

40-14770, 40-14771, 40-14772, 40-14773

User manual

Mounting instructions

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Product information

General product information

You have chosen a StandardLine washbasin unit with or without a washbasin, which offers electrical height adjustment. If you have chosen a StandardLine without a washbasin, you have the opportunity to choose a washbasin which you want to mount on the StandardLine.

The StandardLine washbasin is height adjustable in order to achieve an optimal working posture for the user as well as for the helper. The washbasin may NOT be used as a lifting table or as a person lifter.



This document **MUST** always accompany the product and be read by and be available to the user.

The user of this product must follow these instructions. It is very important that the instructions are read and understood before using the product.

The manual must always be stored in a place where it is easily accessible to the user. The manual must follow the product at all times.



As this product is electrically height adjustable, there is a risk of squeezing. Thus, the product must be operated by or under the guidance of an experienced adult, who has read and understood the importance of the section "Safe use"



This product has CE marking and is thus declared to be in accordance with the basic requirements concerning functionality and safety according to the current Machinery Directive. All variants of Ropox StandardLine are manufactured in accordance with the relevant requirements of Directive 93/42/EEC concerning medical devices and belong to the lowest risk class 1.

Technical data

Product name:

Ropox StandardLine Washbasin with or without washbasin

Item numbers:

Ropox StandardLine Washbasin Complete Electric
60cm standard: 40-14712

Ropox StandardLine Washbasin Complete Electric
60cm straight support: 40-14772

Ropox StandardLine Washbasin Complete Electric
64cm, disability: 40-14773

Ropox StandardLine Unit Electric: 40-14770



Height adjustment:

40-14771: 70-100 cm
40-14772: 68.5-98.5 cm
40-14773: 70-100 cm
40-14770: 30cm range

Mixer tap:

Oras Saga – a one-grip mixer tap allowing presetting of temperatures. Alternative mixer taps are available as well. Please contact Ropox for further information.

Material, washbasin:

Synthetic/marble composite (40-14771 + 40-14773: porcelain)

Material, frame:

Welded steel pipes and plate St. 37
Aluminium alloy 6060-T6
Various plastic components

Surface treatment:

Chromite, powder coating: standard RAL 9010, matte white

User weight:

Tested in accordance with DS/ISO 17966:2016 with the following max. user weights:
40-14771: 200kg
40-14772: 200kg
40-14773: 200kg
40-14770: 200kg (when using a porcelain wash basin)

Product weight:

40-14770: 27kg
40-14771: 42kg
40-14772: 41kg
40-14773: 43,5kg

Power supply:

230VAC / 2.5A / 50Hz

Standby primary:

7W

Control voltage:

24VDC

Duty circle max.:

2 min. active / 18 min. break

Speed:	Approx. 18 mm/sec.
Lifting time 30cm	Approx. 17 sec.
Temperature:	10-40° C
Air humidity:	5-85 % (non-condensing)
Complaints:	See complaints, page 35
Manufacturer:	Ropox A/S, DK-4700 Næstved, Tel.: +45 55 75 05 00 Email: info@ropox.dk , www.ropox.dk

Use

Standard control:

The washbasin height is adjusted by means of the fixed Ropox control button mounted in the top of the lifting unit.

The washbasin is raised/lowered by pressing the up/down symbol on the control.

The washbasin stops moving as soon as the button is released.



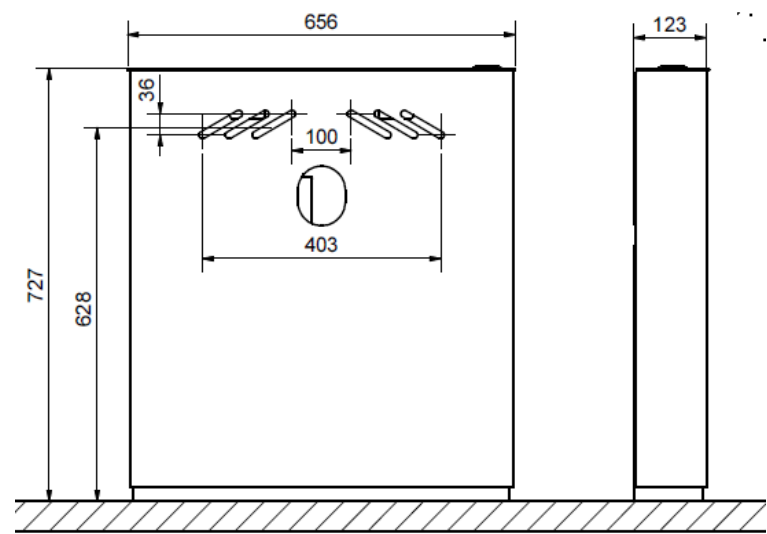
Ropox hand control with cable (accessories)

As an alternative, you can use a hand control with cable. The washbasin is operated in the same way. As soon as the button is released, the washbasin will stop moving.

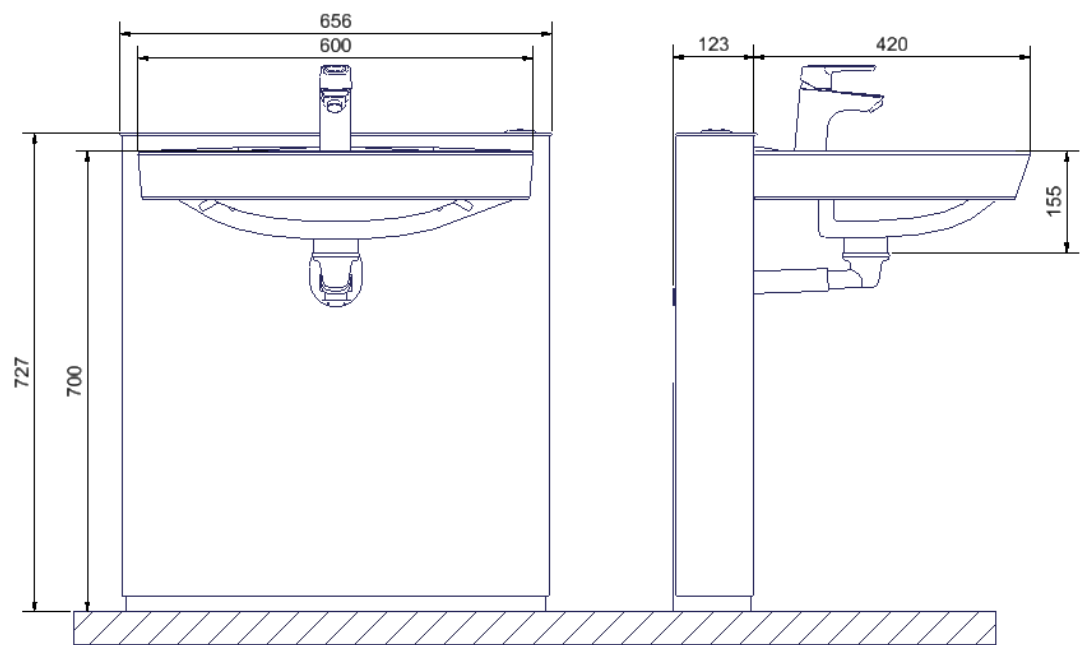


Dimension drawings

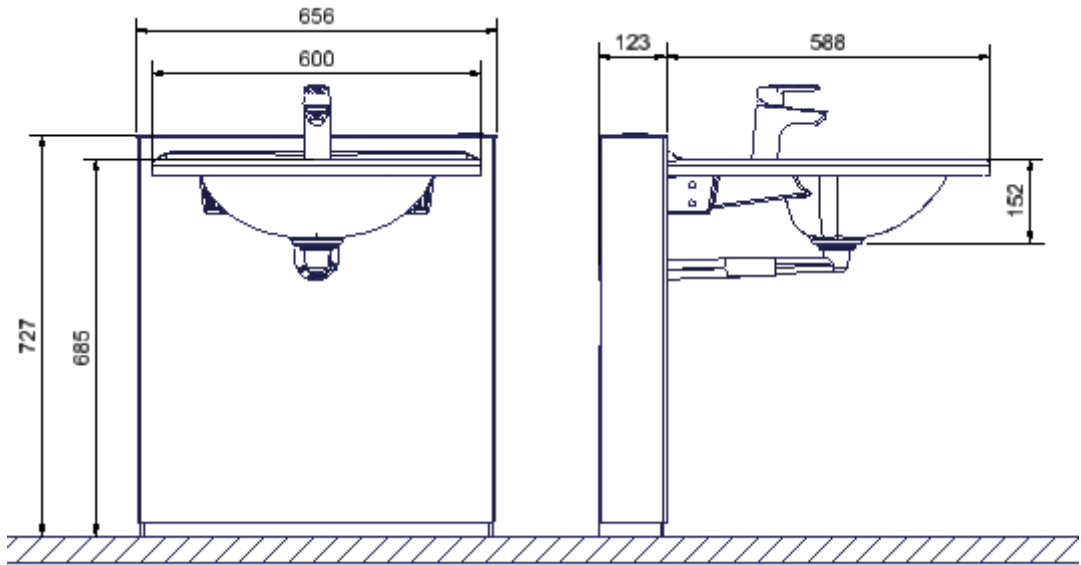
40-14770



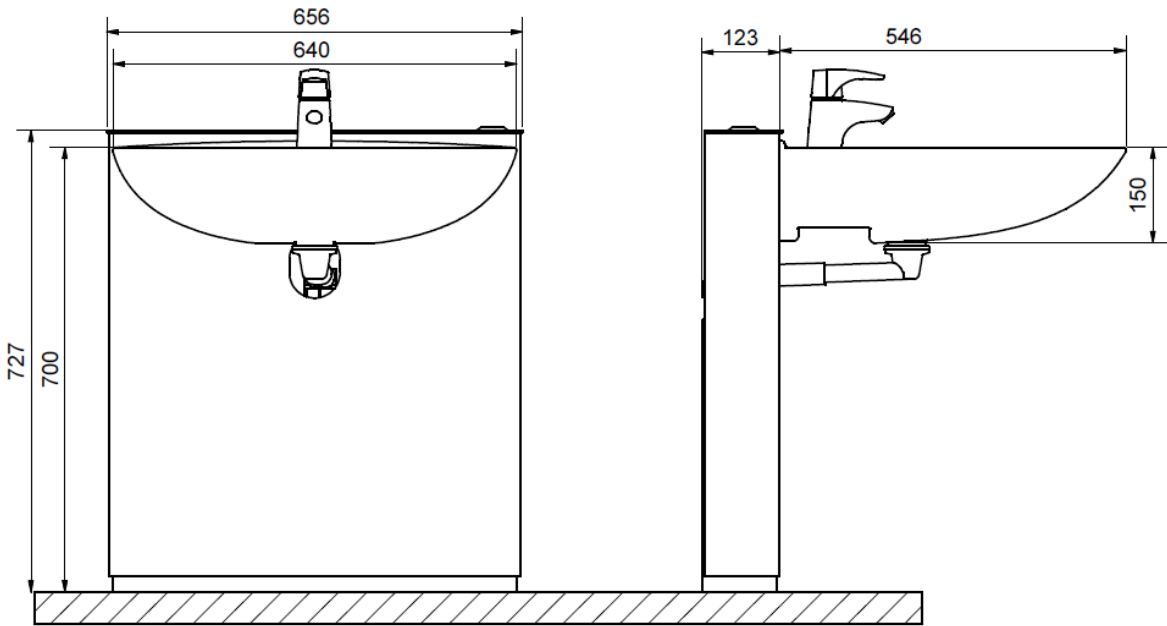
40-14771
(Height adjustment 700-1000mm)



40-14772
(Height adjustment 685-985mm)



40-14773
(Height adjustment 700-1000mm)



Installation interfaces

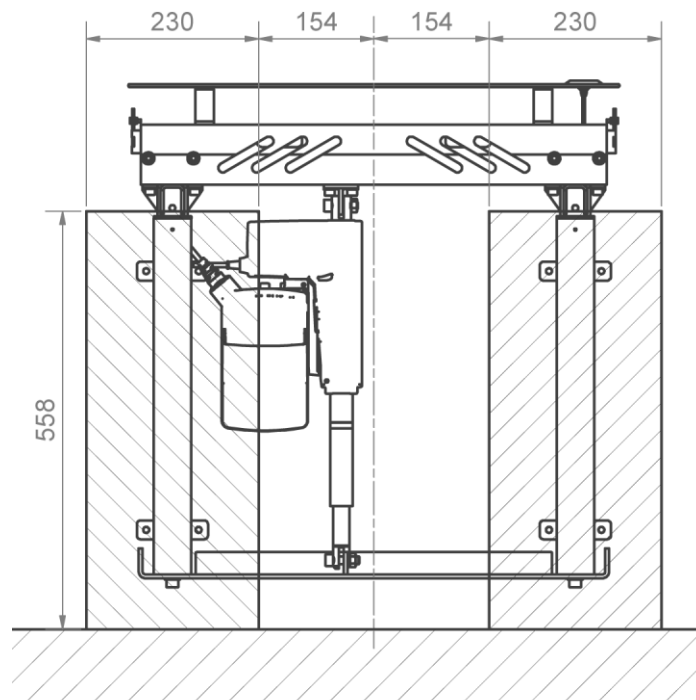
Wall characteristics

The wall in the bathroom must be of proper material for screw mounting approved for wet rooms.

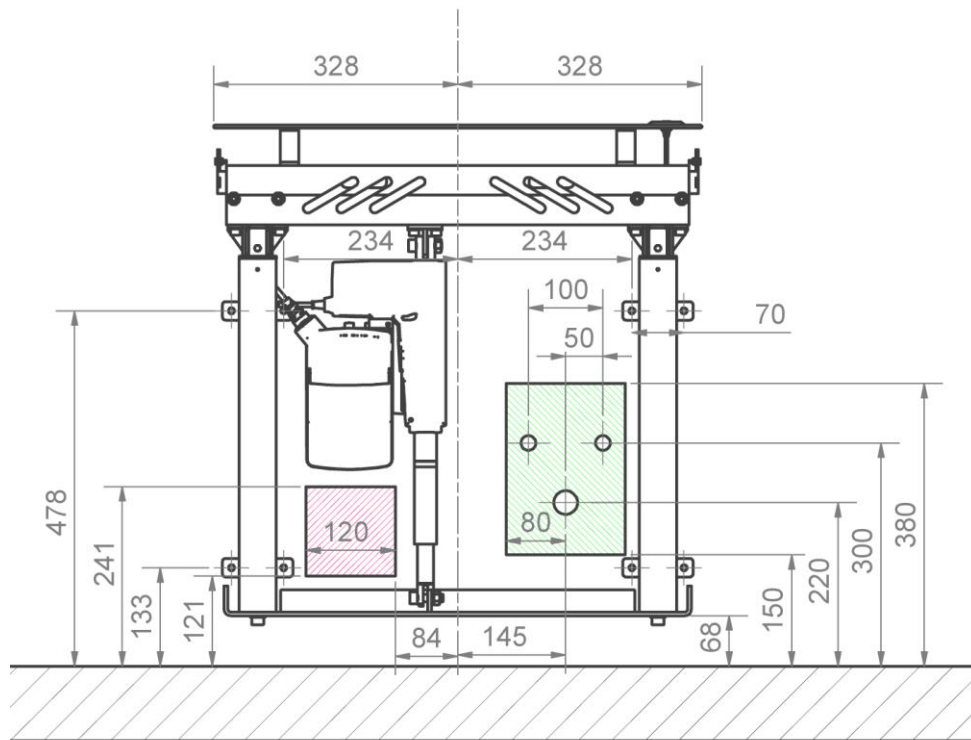
The product is load tested in accordance with DS/ISO17966, and the maximum user load is 200 kg.

Maximum load in the top screws: 50 kg/screw

The hatched area on the picture states the minimum area for reinforcement of the wall.



Positioning of installations, water and drain



Power

The recommended location of the power connection is within the hatched red area.

Plumbing







It is recommended that water supply and drain are located in accordance with the dimensions stated within the hatched green area. The drain is $\varnothing 32$ and ends in an $\varnothing 32 \times 88.5^\circ$ drain elbow. The maximum protrusion of the drain connection and the drain elbow from the wall is 90mm to allow for covers for water and drain installations.

The water supply ends in 2 (two) 90° angled Ballofix valves with $\frac{1}{2}$ " outside thread. The water supply should be located according to the instructions. It is recommended that the water supply is angled upward to ensure a better moving of the water hoses. The maximum protrusion of the shut-off valves from the wall is 90 mm to allow for covers for water and drain installations.

Connection adapters

The components illustrated below are available depending on the type of installation in the building.







Water connection adapters

Hoses from washbasin	Adapter	Installation in room (not included)
 1/2"	No adapter needed	 1/2" Thread
	 1/2" -> 3/8" Item no. 97001670	 3/8" Thread
	 1/2" -> 15mm Item no. 97001666	 15mm Pipe

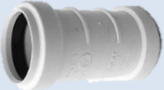
Water hose extensions

Hose from washbasin	Coupling piece	Extra hose
	 1/2" -> 1/2" Item no. 97001662	 1/2" x 1/2", 0.5m, steel Item no. 97001123
		 1/2" x 1/2", 1m, plastic Item no. 97001120

Drain adapters

Drain from washbasin	Adapter	Installation in room (not included)
 Ø32	No adapter needed	 Ø32
	 Ø32 -> Ø40 Item no. 97001660	 Ø40
	 Ø32 -> Ø50 Item no. 97001661	 Ø50

Drain extensions

Drain hose from washbasin	Coupler	Extra drain hose
 Ø32	 Ø32-Ø32 Item no. 97001662	 Ø32 Flex hose, 27-62cm Item no. 97001162
		 Ø32 Flex hose, 40-110cm Item no. 97001161

Cleaning

During use, the product may get dirty. It is very important that the washbasin and the lifting unit are cleaned in accordance with these instructions.

Ropox StandardLine may be wiped with a wrung cloth with lukewarm water and a mild detergent. Do not use corrosive/grinding fluids or scouring sponges and brushes.

Cleaning of washbasin

Wash the surfaces daily with water and wipe with a dry cloth. Do not use cleaning agents containing hard abrasives – such as steel wool, scouring powder, or sulphuric acid.

If the water has a high calcium content, calcareous deposits will often occur in the washbasin. These deposits should be removed at least once a week by using a detergent containing citric acid, acetic acid, or phosphoric acid. Leave the detergent to work for 5-10 minutes depending on the thickness of the deposits and clean thoroughly with a soft sponge.





Disinfection of the washbasin may be done with household disinfectants.

Mounting instructions

List of components

StandardLine lifting unit with washbasin

40*14770-018	Actuator bracket	1 (one)	
30-67636	Flexi legs without spindle	2 (two)	
40*14770-017	Alu profile 622mm	1 (one)	
40*14770-028	Bracket for washbasin	1 (one)	
40*14770-026	Alu top plate	1 (one)	
40*14770-024	Outside cover	1 (one)	
40*14770-025	Inside cover	1 (one)	
97000488	Actuator	1 (one)	

97001691	CA30 control box	1 (one)	
97000427	Network cable for control box	1 (one)	
97001713	Bracket for control box	1 (one)	
97000476	Retaining ring	1 (one)	
40*14770-040	Mounting parts for control 1 (one)		
95091437	Taptite screw M3x10	2 (TWO)	
97001700	Control	1 (ONE)	
40*43043-033	Control cover	1 (ONE)	
96000165	Strips, black 3.5/140mm	2 (TWO)	
40*14770-041	Mounting parts, Electrical	1 (one)	
95011035	INSEX screw M10x35	2 (TWO)	
95180510	Lock nut M10	2 (TWO)	
96000170	Strips, black 4.8/290mm	2 (TWO)	
40*14770-043	Mounting parts, Frame	1 (one)	
40*14770-022	Top bracket	1 (ONE)	
30*65500-003	Flat steel nut for engine mounting	2 (TWO)	
30*65550-005	Flat steel nut for leg section	2 (TWO)	
95010814	INSEX screw M8x14	6 (SIX)	
95170508	Chamfered washer M8	6 (SIX)	
95011025	INSEX screw M10x25	4 (FOUR)	
95170510	Chamfered washer M10	4 (FOUR)	
96000810	Sleeve for hole Ø9	2 (TWO)	
40*14708-099	Mounting parts, Washbasin	1 (ONE)	
95041250	Bolt M12x50	2 (TWO)	
95170512	Chamfered washer M12	4 (FOUR)	
96000170	Strips, black 4.8/290mm	2 (TWO)	

97001467 Mounting parts for bolt mounted washbasin

1 (ONE)



97001706

Oras Saga 3910F

1 (ONE)

(Available for 40-14770)

40-14776

Plumbing kit, Standardline

(Available for 40-14770)

97001601 Prevex siphon

1 (ONE)

97001120 Connection hose, 1/2"x1/2" 1m

2 (TWO)

97001161 Flexible drain hose ø32/32 connecting pipe

1 (ONE)

97001035 32x88.5° white PP Wafix elbow HT

2 (TWO)

97001012 Nipple 1/2" to 3/8"

2 (TWO)

96000170 Strips, black 4.8/290mm

2 (TWO)

97001605 Prevex 100mm extension

1 (ONE)

95091070 Plate screw ø4.8x70 cross recess A2.

1 (ONE)

30*65500-008 Plate nut M6

2 (TWO)

95010612 INSEX screw M6x12

2 (TWO)

40*14852-104 Bracket for siphon

1 (ONE)



40-15621

Standard Washbasin

1 (ONE)

(for 40-14771)

Incl. Insulating foam pad

1 (ONE)



97001582

60cm Straight Support Washbasin

1 (ONE)

(for 40-14772)



40-15622

Hospital Washbasin

1 (ONE)

(for 40-14773)

Incl. Insulating foam pad

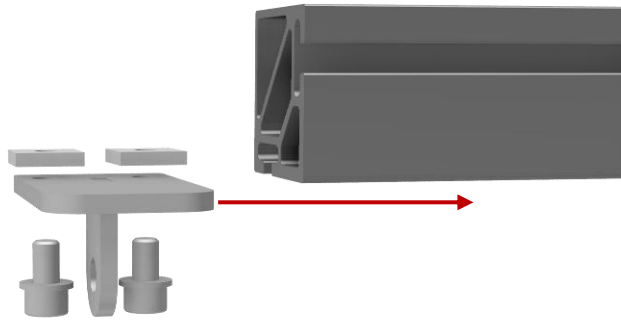
1 (ONE)



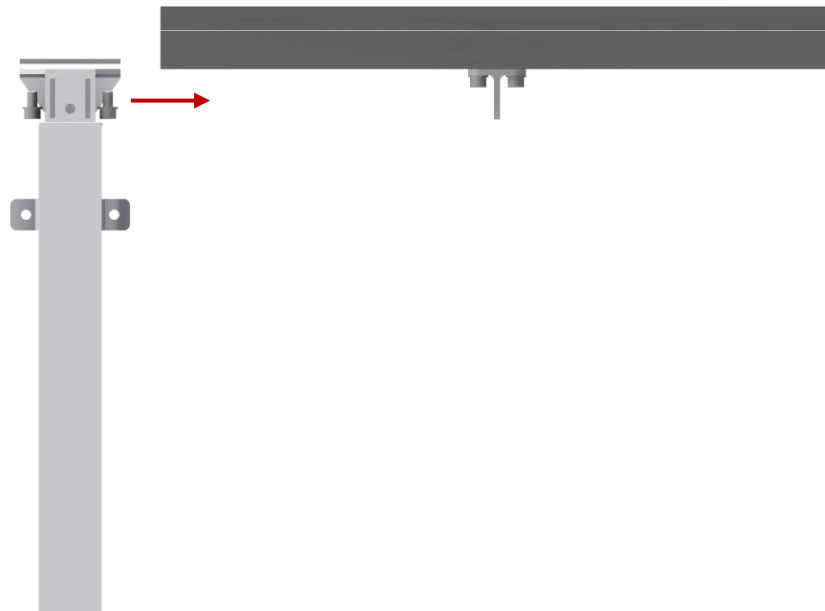
Mounting instructions



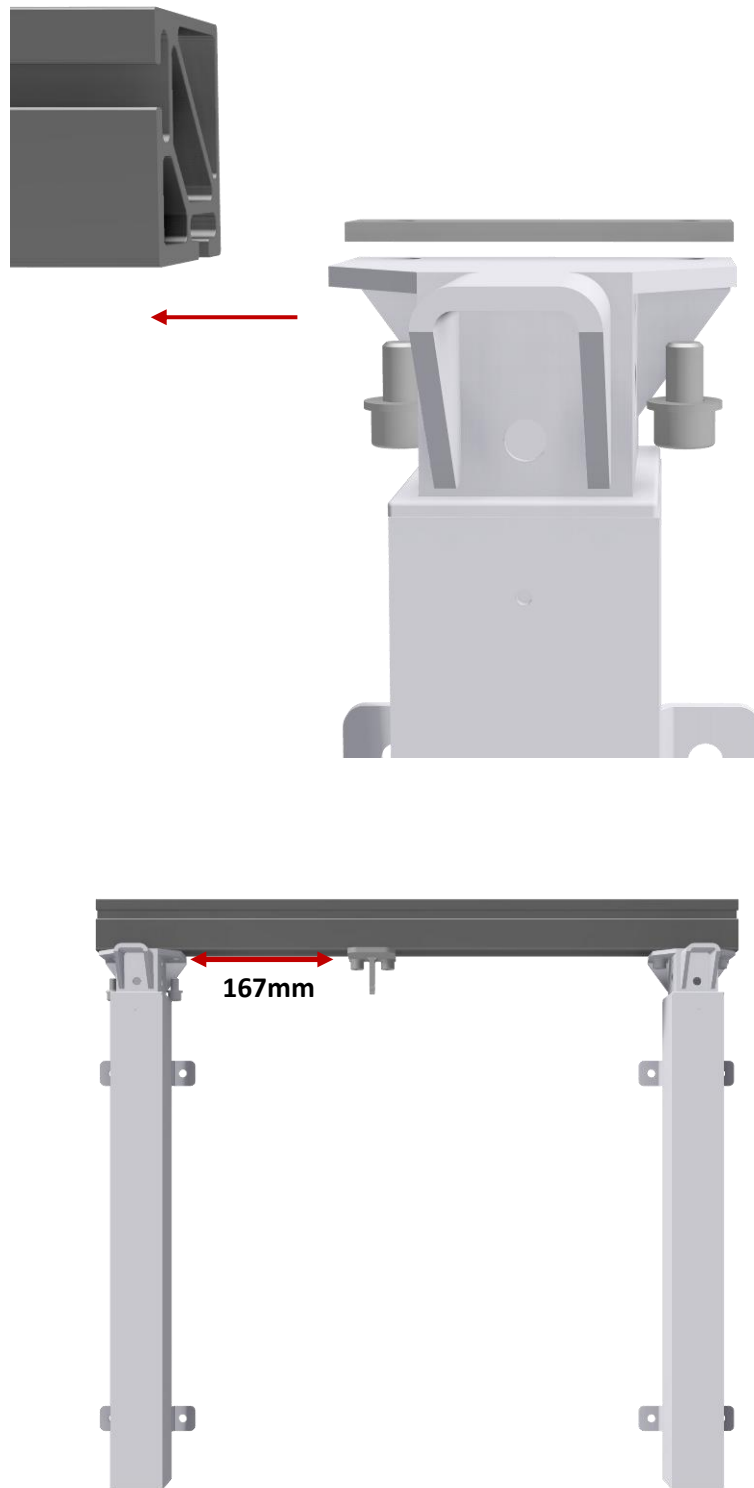
Mounting must always be carried out by qualified personnel



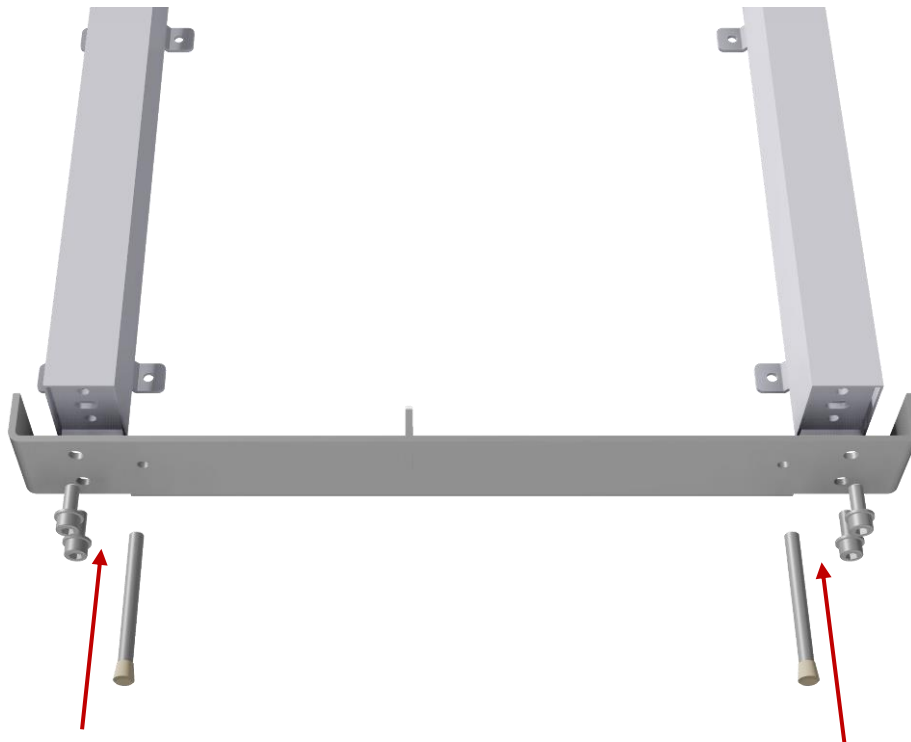
Top brackets for engine are pushed into the profile with **M8x14** and **2 (two) flat nuts** as illustrated. Do not tighten until later.



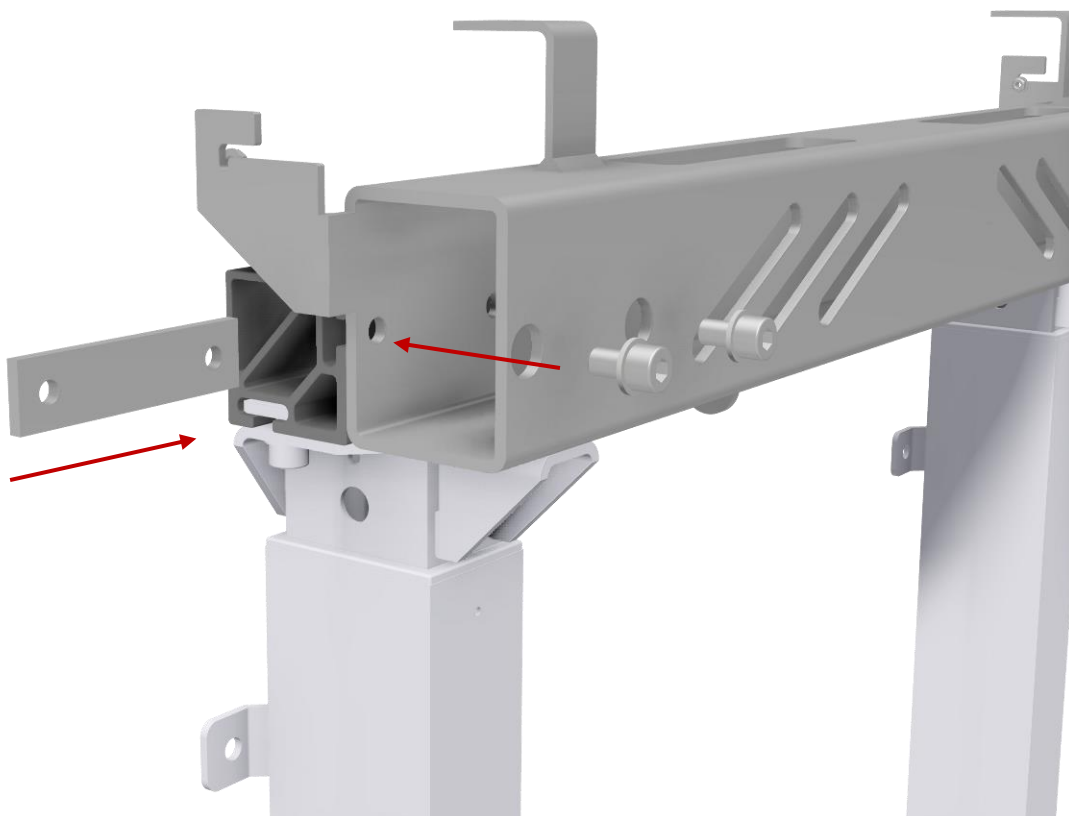
Push the legs into the profile on the same level as the top bracket.



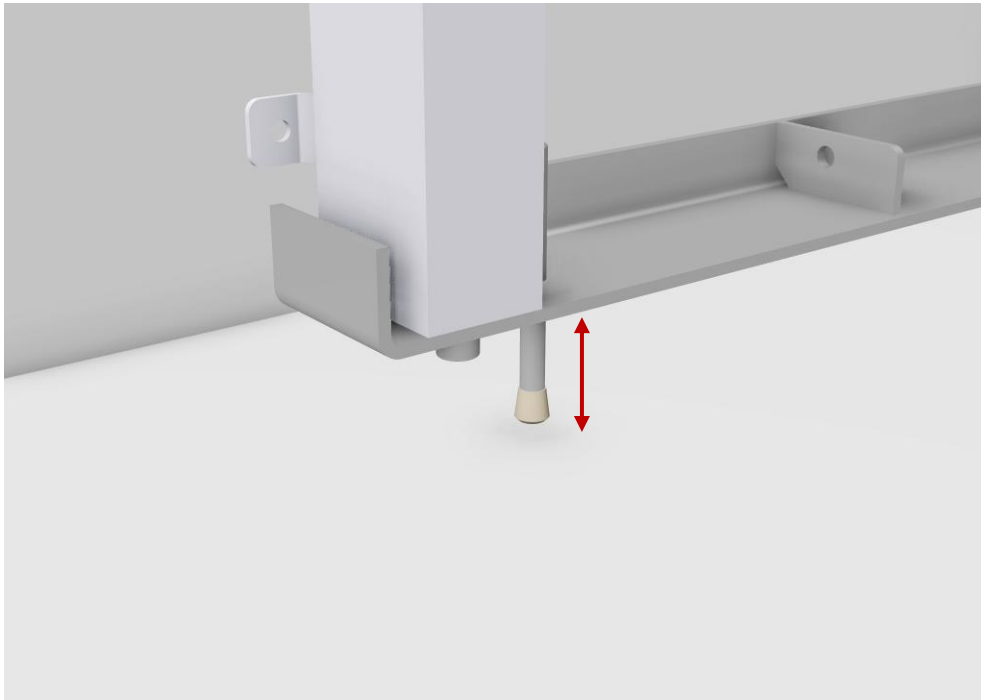
Fix the legs so that the outermost part of the top is level with the edge of the aluminium profile.
Tighten the bracket for the engine with a distance as illustrated.



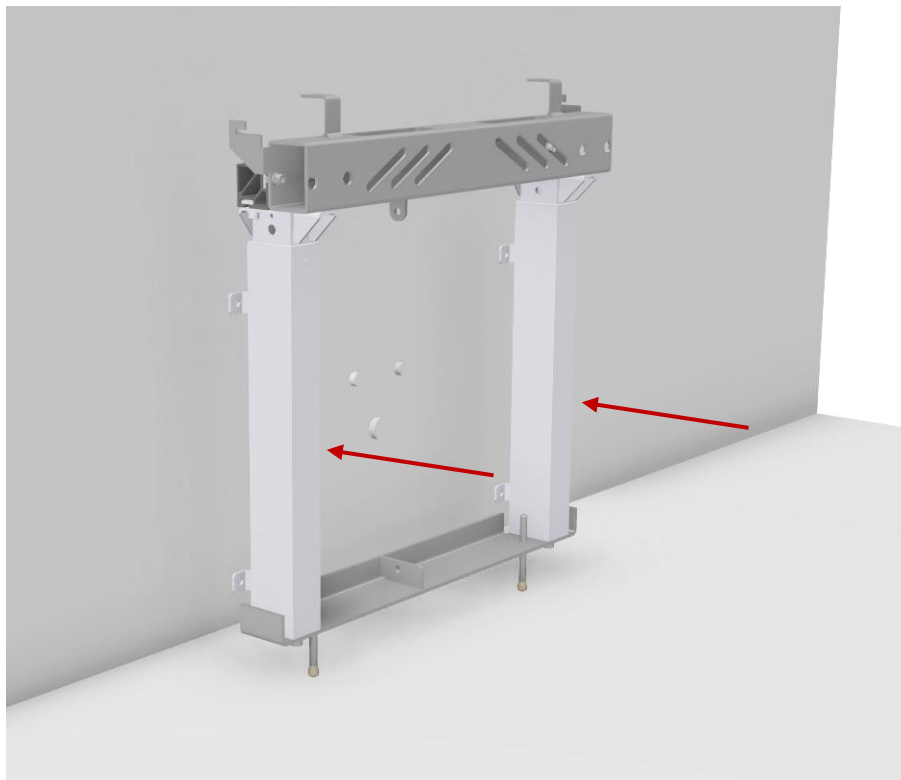
Fix the bottom bracket with **M10x25** and fix the two **adjusting screws** into the bracket.



Fix the pipe with **M8x14** and **flat nuts** as illustrated. It must be fixed in both ends.
The edge of the pipe must be level with the aluminium profile.



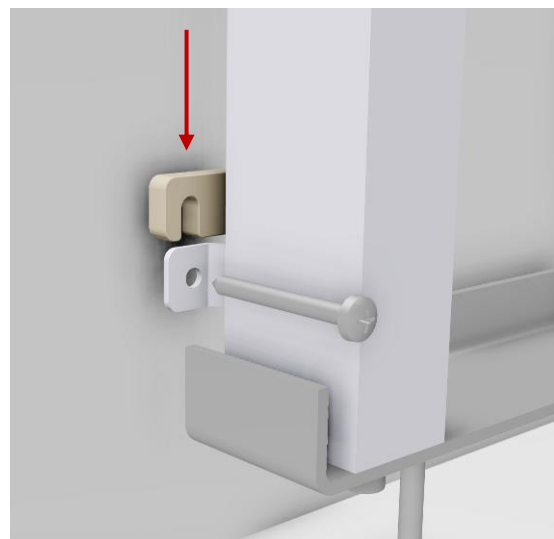
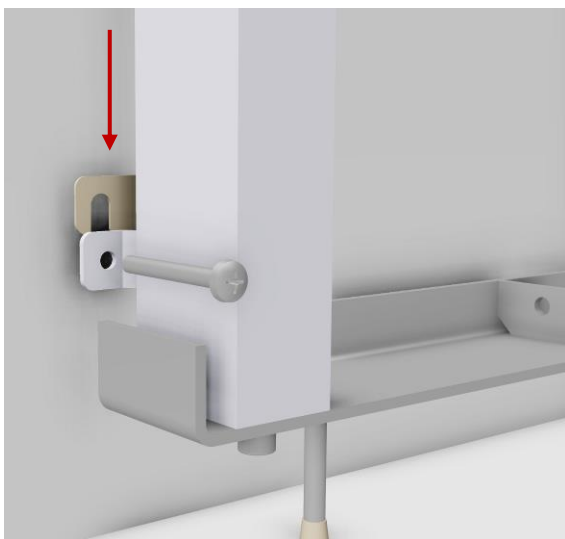
Fix the adjustment screw **approx. 68mm** below the bottom bracket.



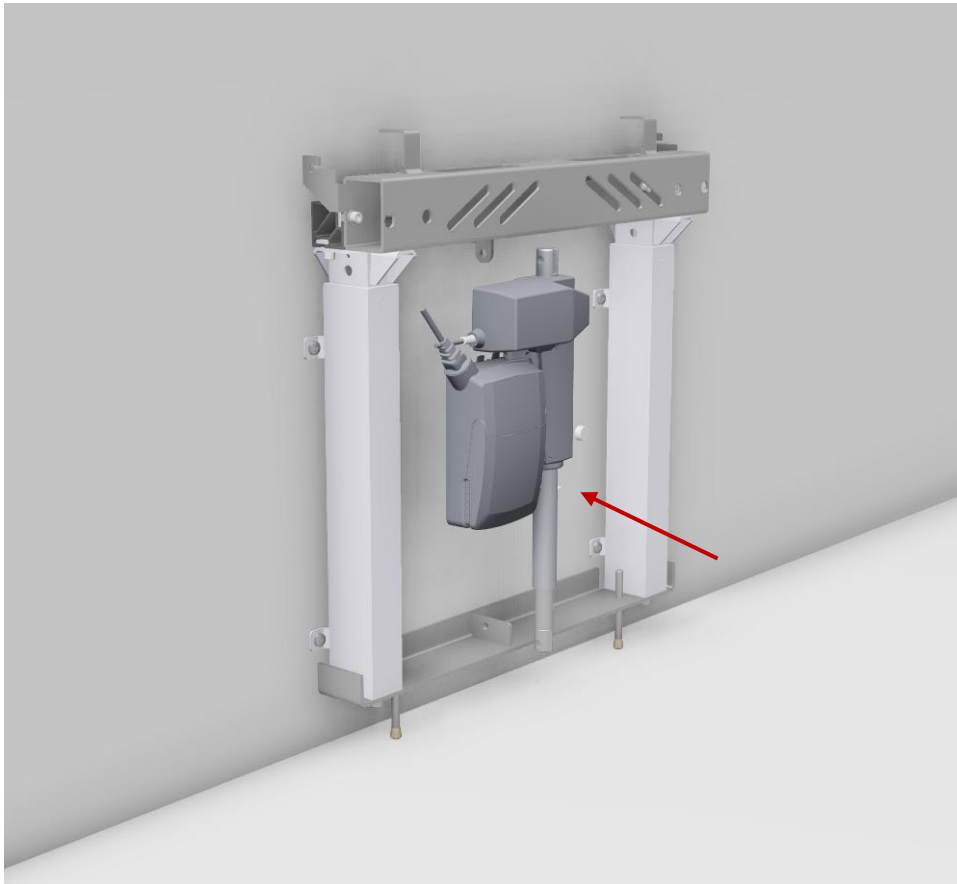
Place the lifting unit on the wall and mark holes for screws.
Drill holes and use the enclosed **rawlplugs**.



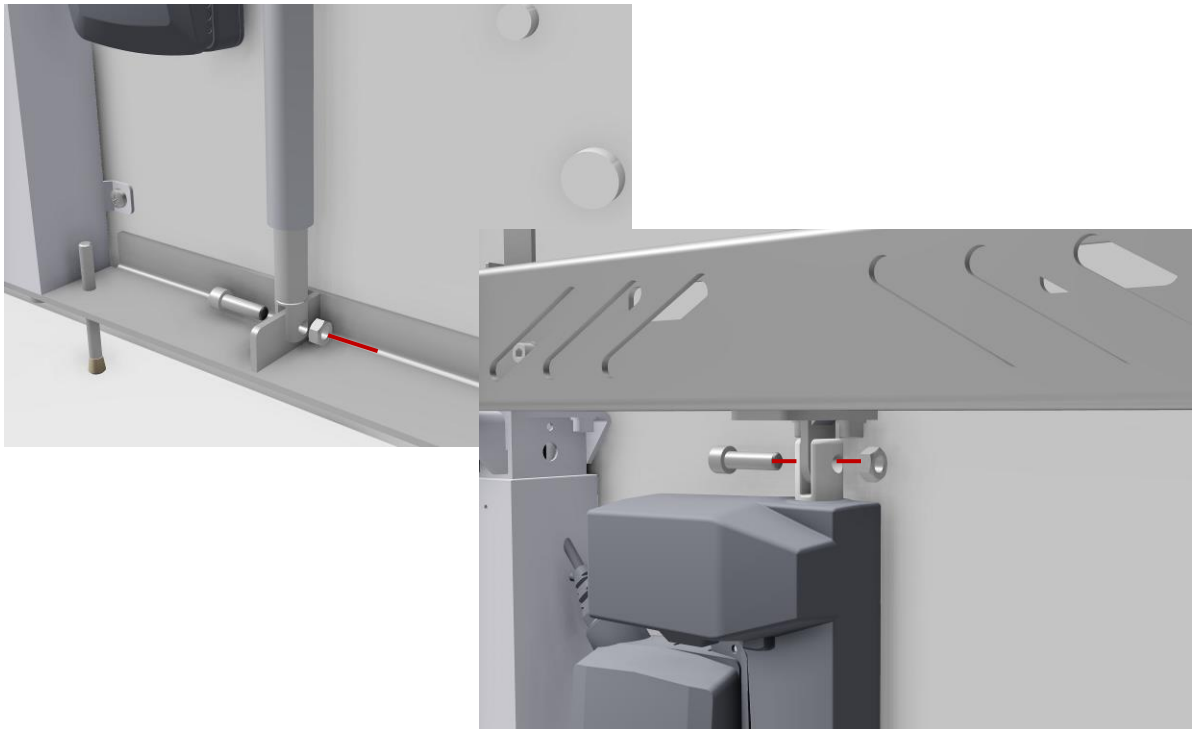
Fix the frame to the wall.



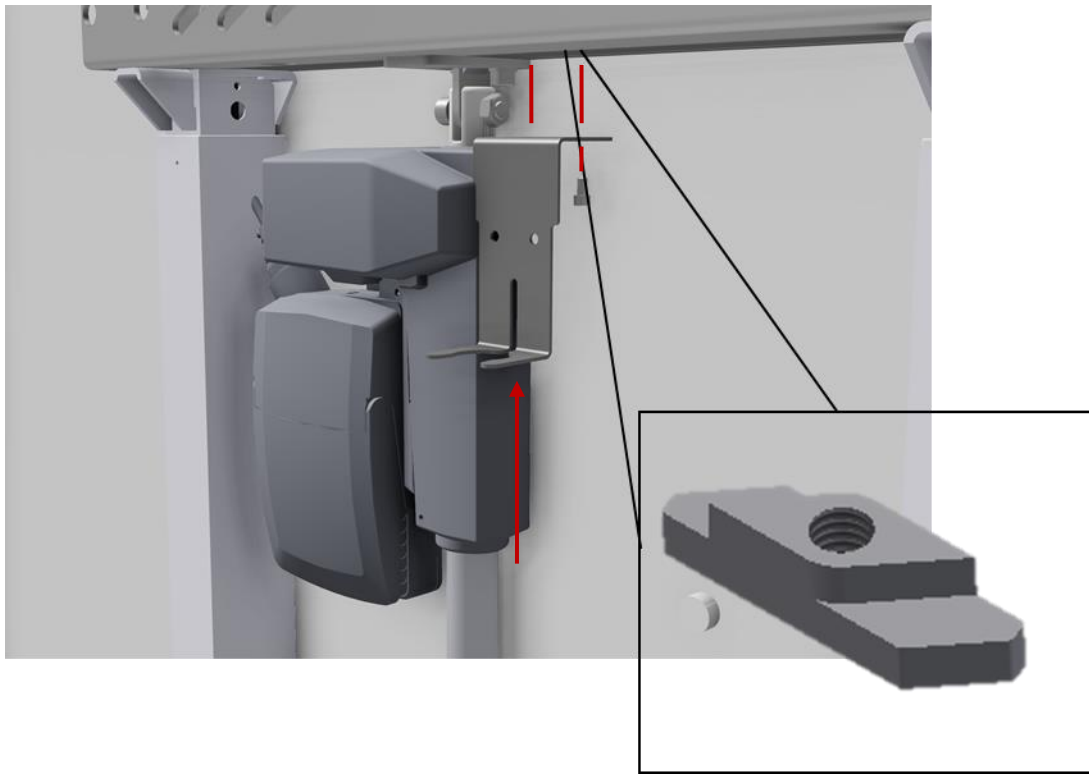
If the wall is uneven, or the unit must be removed from the wall due to a floor list, you must use the enclosed spacers.



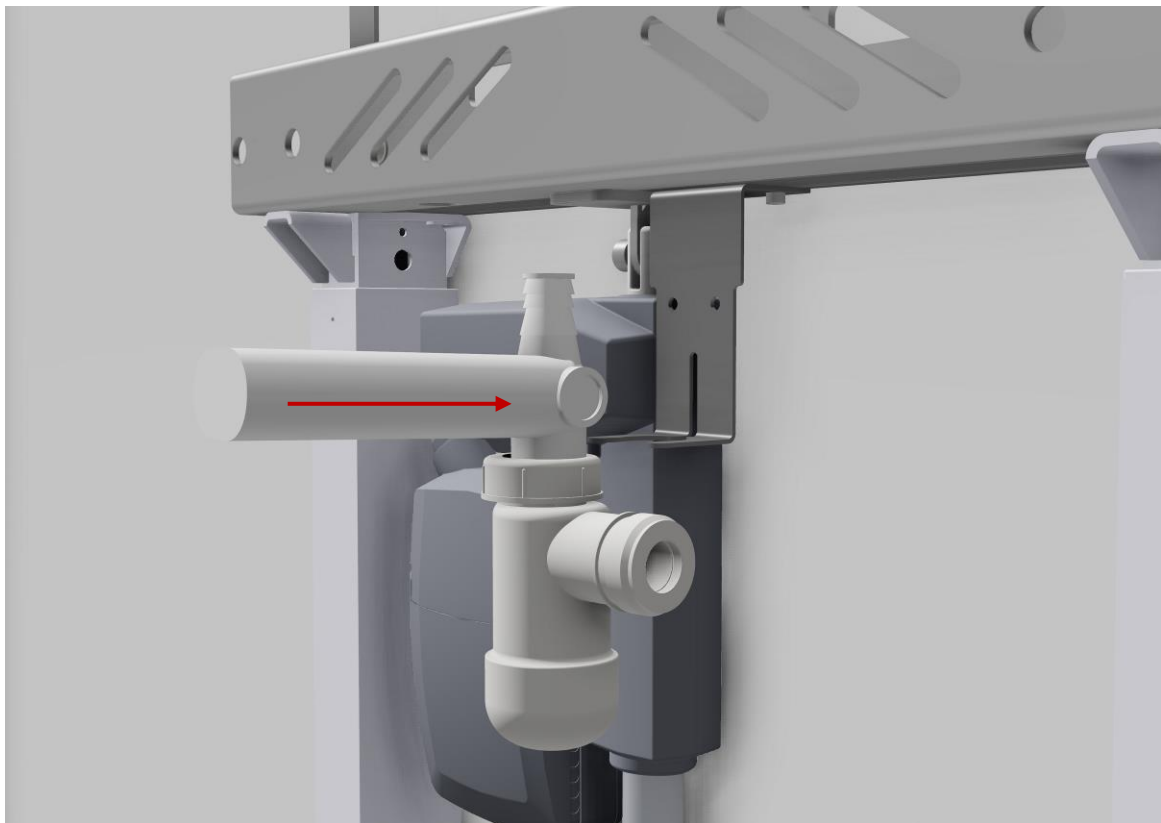
Push the electrical system in place in the frame.



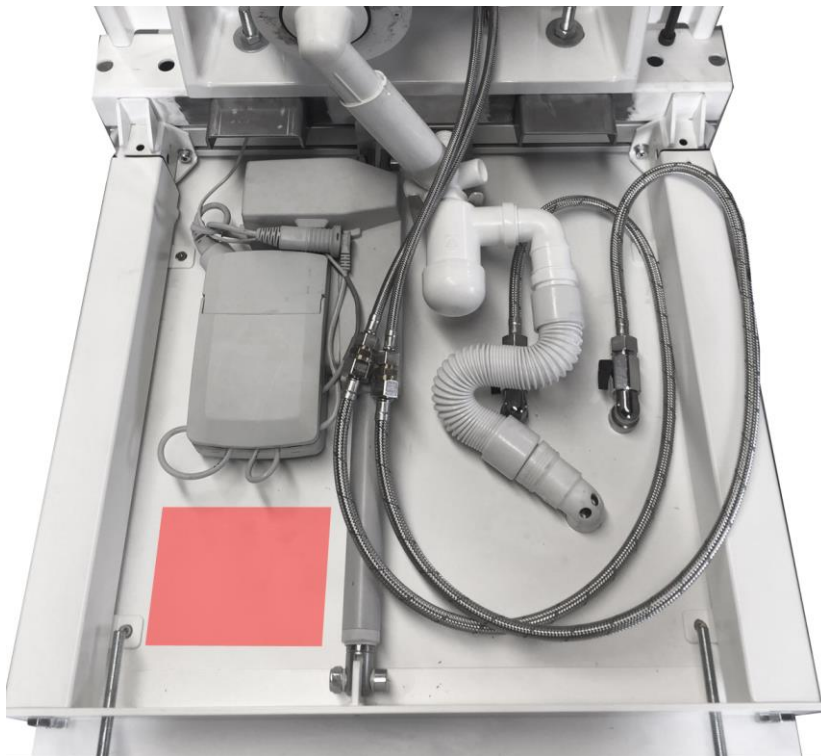
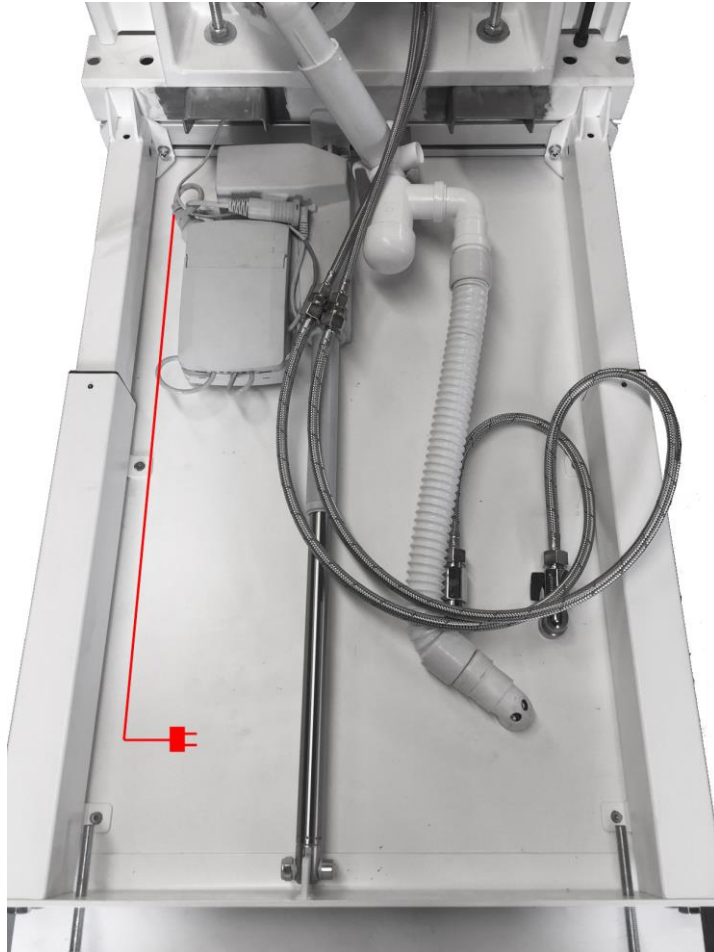
Fasten the actuator with M10x35 and M10 lock nut.



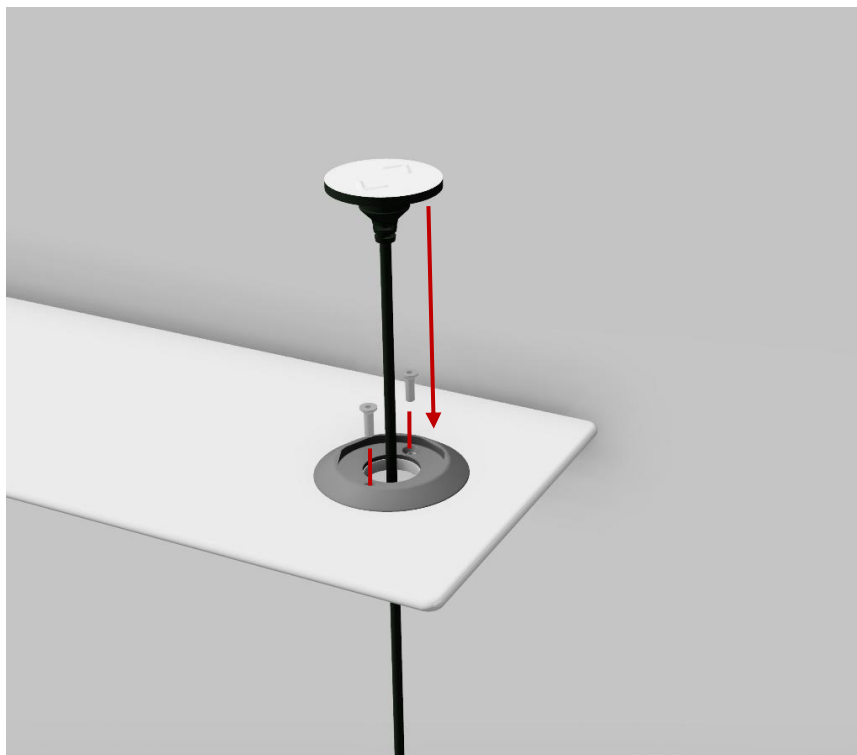
Place **2 (two) M6 nuts** into the profile and fix the bracket for the siphon with **2x M6x12**



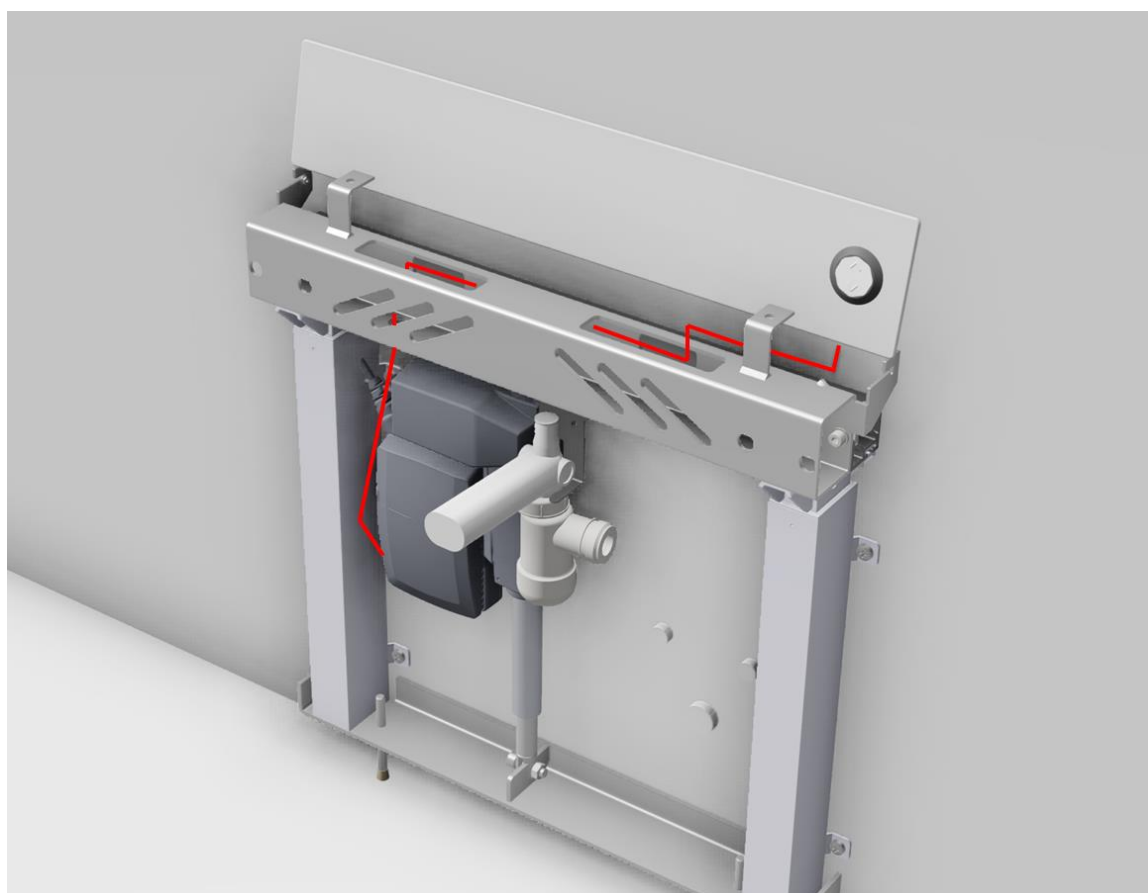
Push the siphon into the bracket and fasten the connecting pipe with strips through the two holes.



Assemble drain hoses and water as shown on the picture.

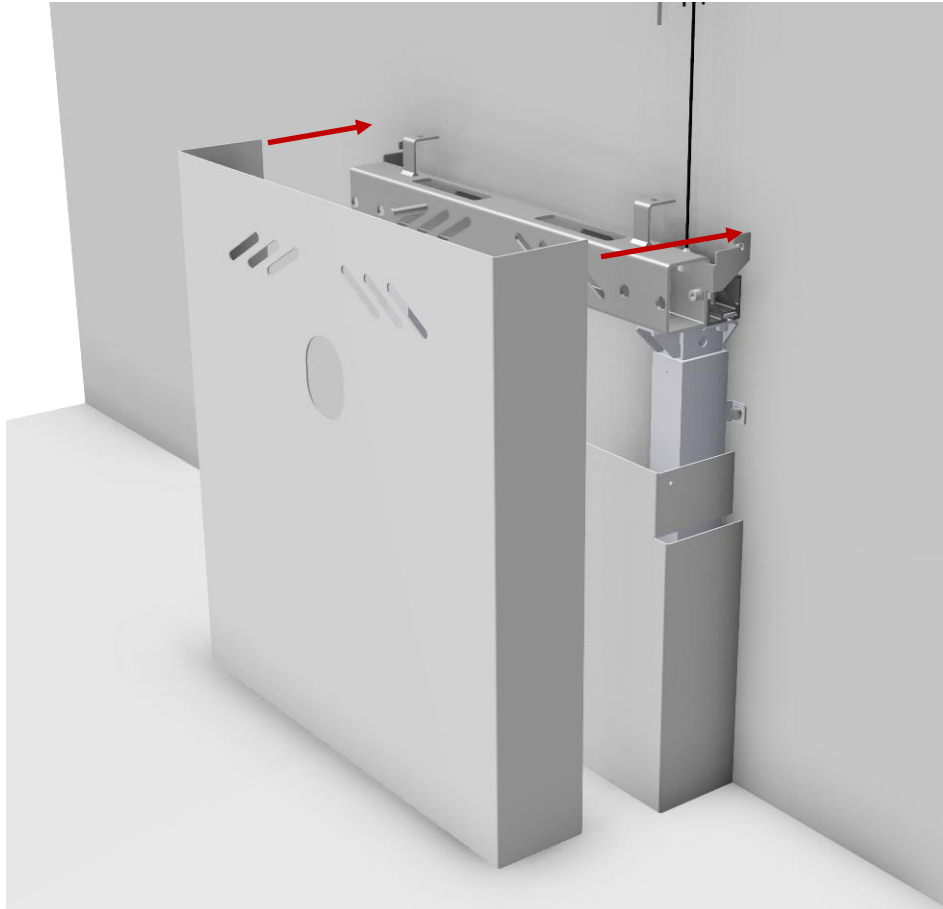


Fix the control cover on the top plate with 2x M3x10 self-shaping screws. Remove the protective foil and glue in the control.

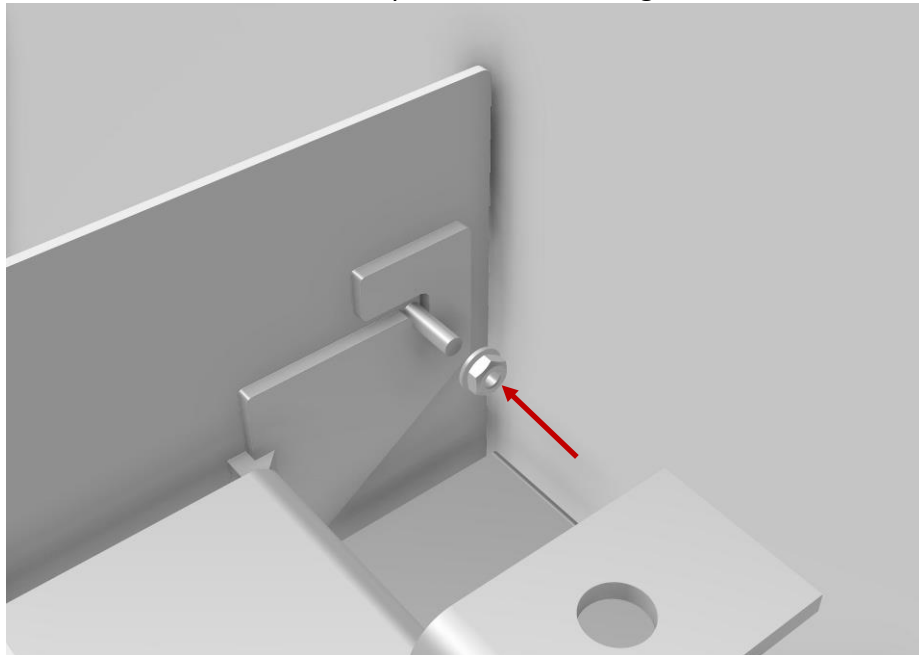


Plug the cable into the control box running through the frame as shown on the picture.

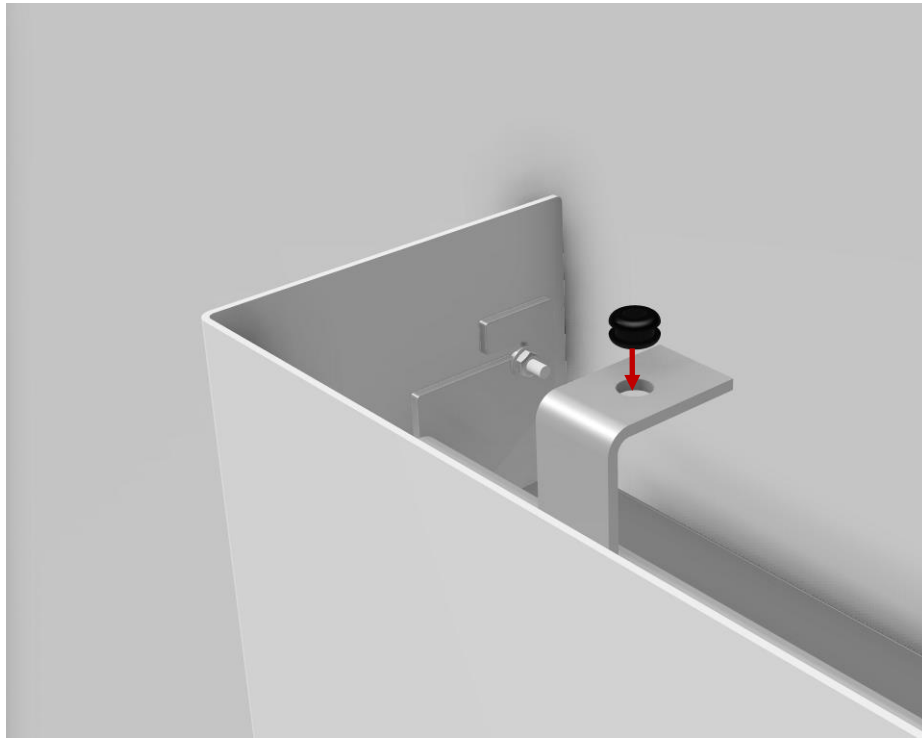
Now perform a functional test of the electrical system.



Push the inside cover in so that it stands on the floor.
Push the outside cover in place so that it hangs in the two rods.



Fix the rods with M4 locker nut and washer in each side.



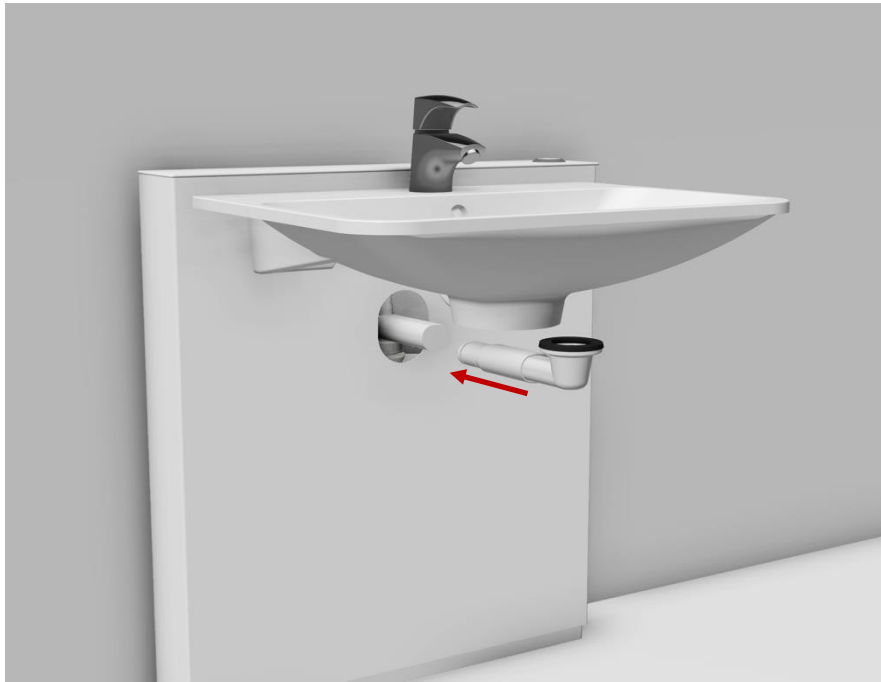
Push 2x rubber sleeve into the bracket for the top plate.



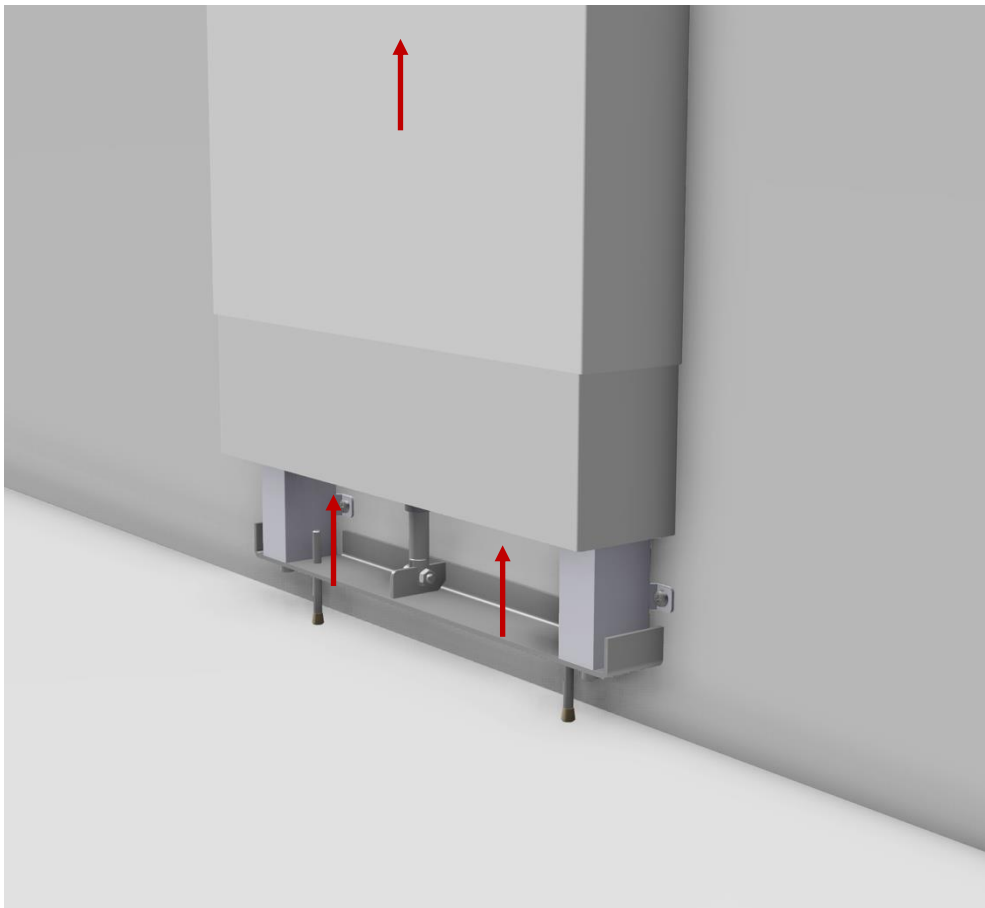
Bolt the washbasin with the enclosed mounting parts and then push the top plate in place.



NOTE: When mounting a porcelain wash basin an insulation foam pad **MUST** to be placed between the wash basin and the unit. It is recommended to grout around the wash basin.

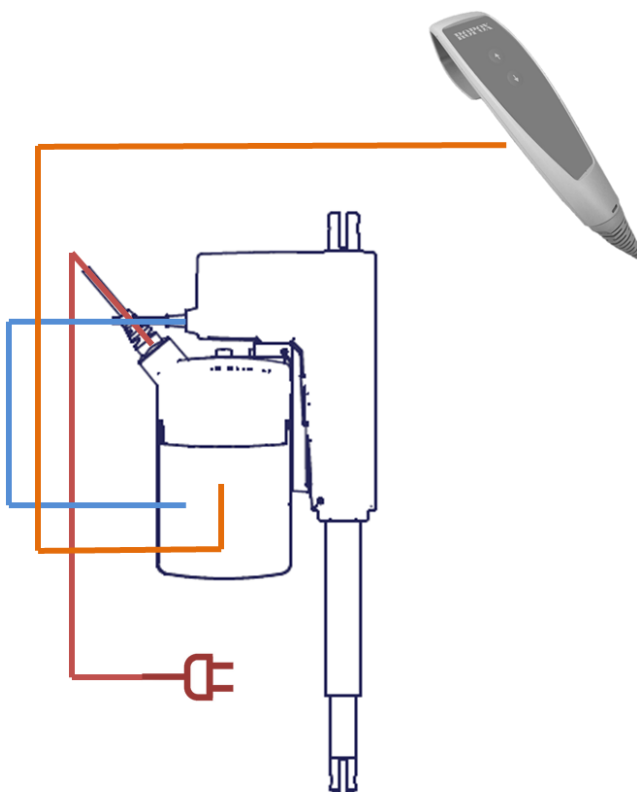
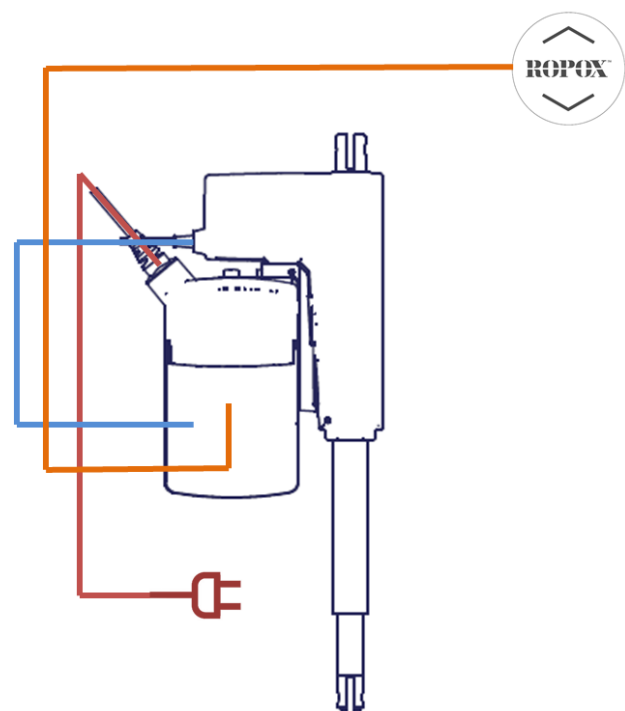


Mount the rest of the drain and connect water to the tap.



Move the unit to upper position and lift the inside cap to turn on the water.
Now pull the inside cap back down to the floor to finish the installation.

Cable diagram



Cable diagram for both controls



Functionality testing

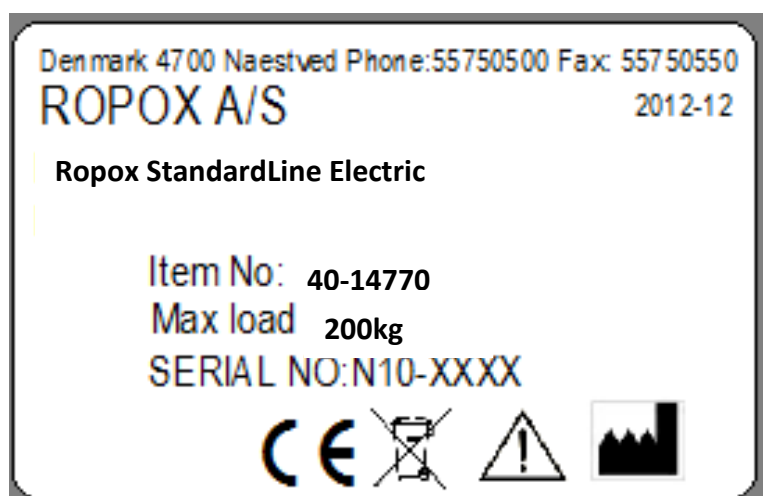
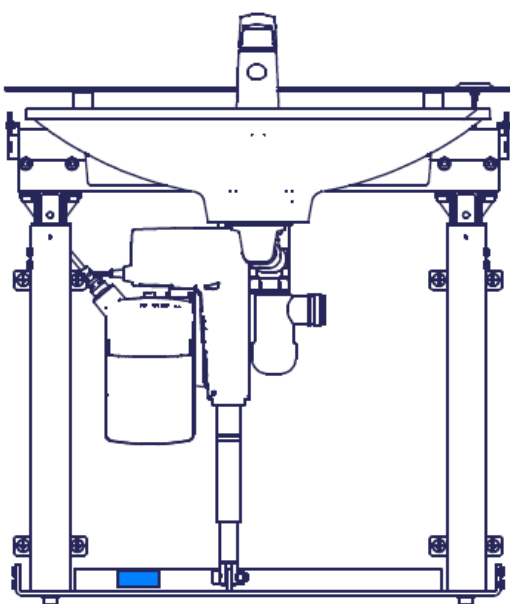
After completing the installation and before use, all functions of the StandardLine washbasin must be tested. Subsequently, a functionality test must be carried out at least once a year by qualified personnel:

1. Check that the mounting instructions have been observed.
2. Check that all screws and bolts are fixed.
3. Check that all cables have been correctly connected, and that the plugs are pushed in properly.
4. Check that there is no load on the frame.
5. Check that there are no objects preventing the frame from moving freely within the height adjustment range.
6. Press both switches on the control and hold the pressure as long as a loud beeping sound is heard. When this sound stops, the frame can be moved to bottom position and is thus reset.
7. Press the DOWN button, move the frame to bottom position and check that the movement is even and smooth. Make sure that the hose connections follow the movements of the frame, and that they do not get squeezed.
8. Now press the UP button, move the frame to top position and check that the movement is even and smooth. Make sure that the hose connections follow the movements of the frame, and that they do not get squeezed.

If the above points are observed, the washbasin is ready to use. See the section **"Safety in use"**.

Label

Each unit has its own label as illustrated. This label contains important information, which must be stated in connection with inquiries to the supplier.



Symbols



The user manual must be read carefully prior to use.



Waste must be sorted – for recycling, if possible.



Ropox is the manufacturer of this product.



CE marking. This product meets the requirements for *General Safety and Functionality* of the relevant EU directives and standards.

Safety in use

- The StandardLine washbasin may only be used by persons who have read and understood these instructions.
- The StandardLine washbasin is a height adjustable washbasin and may not be used as a lifting table or as a person lifter.
- Always use the washbasin in a manner excluding the risk of damage to persons or property. The person operating the StandardLine washbasin is responsible for avoiding damage or injury.
- If the washbasin is used in publicly accessible locations, where especially children or other persons with reduced observation capability may get near the StandardLine washbasin, the person operating the washbasin must pay sufficient attention in order to prevent dangerous situations.
- Make sure that there is free space above and below the washbasin to allow free height adjustment.
- Do not overload the washbasin and make sure that the load distribution is correct.
- Do not operate the washbasin in case of errors or damage.
- Do not use the washbasin in an explosive environment.
- Any modification to the StandardLine washbasin, which may influence its operation and construction, is forbidden.
- Installation, service, and repairs may only be carried out by qualified personnel.
- In case of inspections, service, or repairs, make sure that the washbasin is not loaded.
- If the StandardLine washbasin has not been installed in accordance with these mounting instructions, the warranty may be void.
- Only use original Ropox spare parts as replacements parts. If other parts are used, the warranty may be void.

Troubleshooting

Problem	Solution
The washbasin does not move up or down when pressing the hand control.	Check if: <ul style="list-style-type: none">• 230 V is connected, and if the power is on.• The engine is connected to the control box.• The control is connected to the control box.• The engine is overloaded. (NOTE: For every 2 minutes of activity, it needs 18 minutes of rest).
Hand control is defect.	Check if: <ul style="list-style-type: none">• The washbasin is height adjustable by means of another control.
When pressing the UP and DOWN buttons, only "click" sounds come out of the control box – no movement.	<ul style="list-style-type: none">• The plug may not be mounted correctly.• Demount all cables from the control box, and mount again.• Maybe a "Reset" is needed. See the instructions below.
The frame seems loose or unstable	<ul style="list-style-type: none">• Tighten all screws of the frame, cf. mounting instructions.
The washbasin cannot be height adjusted or the adjustment feels very difficult.	<ul style="list-style-type: none">• Check that there are no jammed objects preventing the height adjustment.
It takes too long for the water to leave the washbasin.	Check the siphon for clogging and clean it, if required. Check that the flexible hose has not been mounted so high on the wall that it acts as an additional siphon. Check that the connection hoses are not kinked or twisted on the hose. Adjust the hoses so that they are not kinked/twisted.

Maintenance



Inspections, service, and repairs must be carried out by qualified personnel

The frame is maintenance-free. Moving parts have been lubricated for life. For reasons of safety and reliability, we recommend inspection of the frame once a year:

At inspections, the following must be checked:

- Check that all bolts and screws have been tightened securely.
- Check that the frame can move freely and unhindered from bottom to top position without problems.
- **Resetting the StandardLine washbasin:** Press and hold down both buttons on the control. Keep the buttons depressed until the beep tone stops beeping. Then move the frame to bottom position for resetting. Check that the movement is even and smooth. Make sure that the network cable is able to move freely.
- Check that any water connection hoses and drain hoses are tight and functional.
- Check that all cables are mounted correctly and are in order and undamaged.

After each the inspection, the service schedule must be completed. See “Service schedule”.



Only use original Ropox spare parts as replacement parts. If other parts are used, the warranty may be void.

Service schedule

Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Service and maintenance
Serial no.

Date:

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Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Service and maintenance
Serial no.

Date:

Signature:

Remarks:

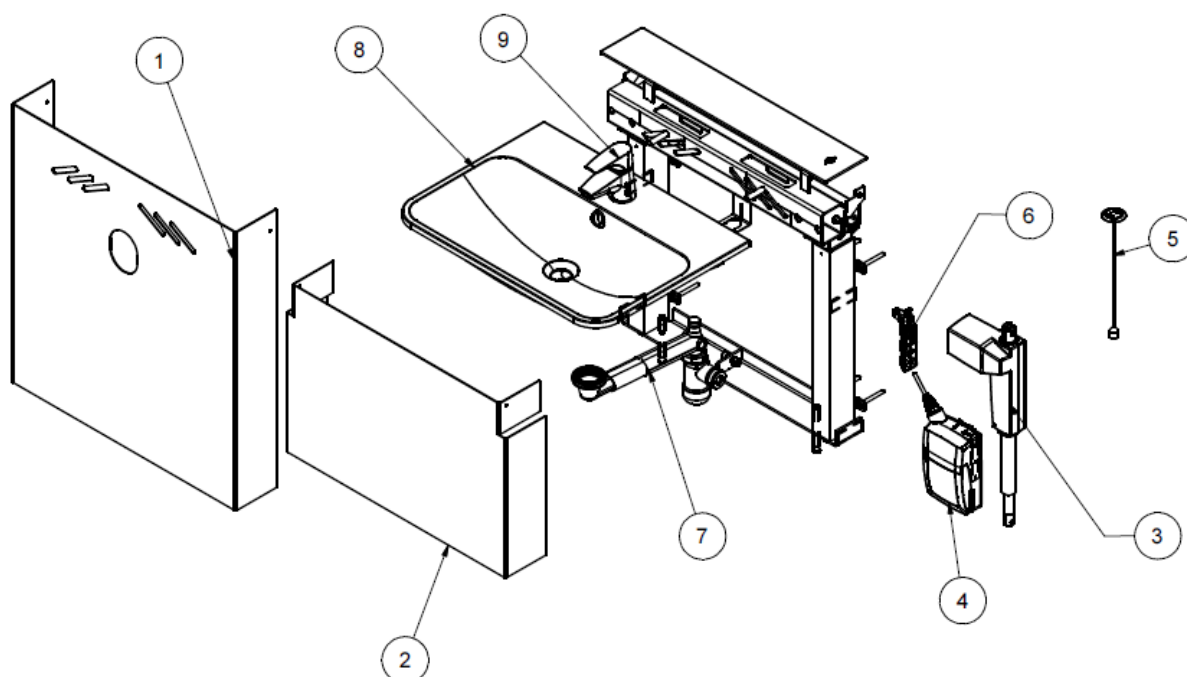
Service and maintenance
Serial no.

Date:

Signature:

Remarks:

Spare parts



Position	Description	Number in product	Item no.
1	Outside cover	1	40*14770-024
2	Inside cover	1	40*14770-025
3	Engine LA31.6	1	97000488
4	Control box CA30	1	97001691
5	Control	1	97001700
6	Bracket for LA31/CA30	1	97001713
7	Plumbing kit for StandardLine unit	1	40-14776-1
8	Standard washbasin 60x42cm	1	40-15621-2
	60cm Straight Support	1	97001582
	Hospital washbasin	1	40-15622-1
9	Oras Saga 3910F	1	97001706

Complaints

Please see general terms of sale and delivery on www.ropox.dk.



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