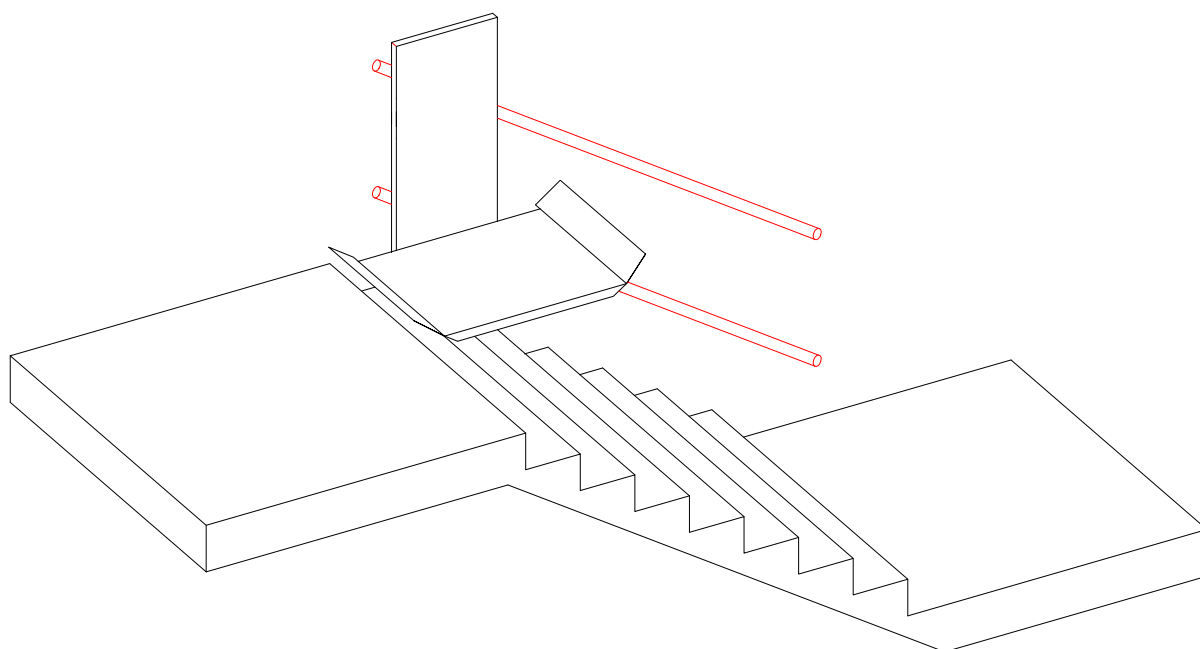




Installation Manual



≡ STRATOS ≡

Platform stairlift

CE

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Observe the following points before installation!

Installation teams must have a general knowledge in:

- working on electric controls
- basic mechanical engineering and providing adequate fixation of the rails and pillars
- reading and understanding circuit diagrams and wiring schematics

The following points are necessary for the installation:

- Have a complete tool kit on hand for mechanical and electrical works
- Check beforehand what fixing materials (screws, anchor bolts, adhesives) are required for the proper fixing of the rails to the wall or the pillars to the floor. These materials are not included in the delivery! The installation company is responsible for the fixing of the rail to the wall or the pillars to the floor/steps!
- Check the packages for shipping damage and missing parts before bringing the lift to the site. Take pictures of damaged parts as soon as these are discovered to provide proof for warranty claims.
- A team of 2 qualified technicians is necessary to install the lift.

Beginning the Installation:

Bring the platform to the upper landing before fixing the rails in order to prevent damage to the rail and platform during transport on the staircase! The platform can only be engaged from the upper end of the rail.

Caution: The large platform is heavy; it weighs approximately 120 kg. A dolly might be necessary to transport the platform up the steps.

The following tools will be required to finish the installation successfully:

- A complete toolset for mechanical and electrical works
- Voltmeter
- Drilling machines
- Drills, thread cutter
- Fixing material
- Water level with angle indication



Installation material for fixing of the rail

For concrete walls:



For concrete walls:



For concrete walls:



For brick walls:

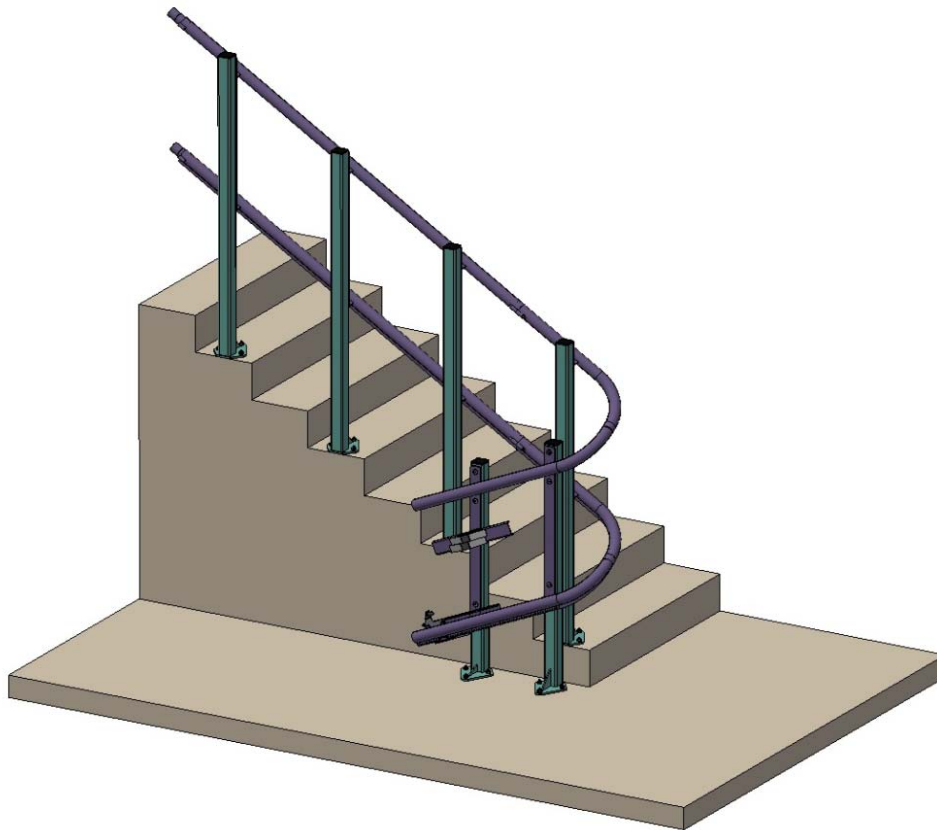


For brick walls: Adhesive 2 components glue for brick wall installation – injection pistol and adhesive



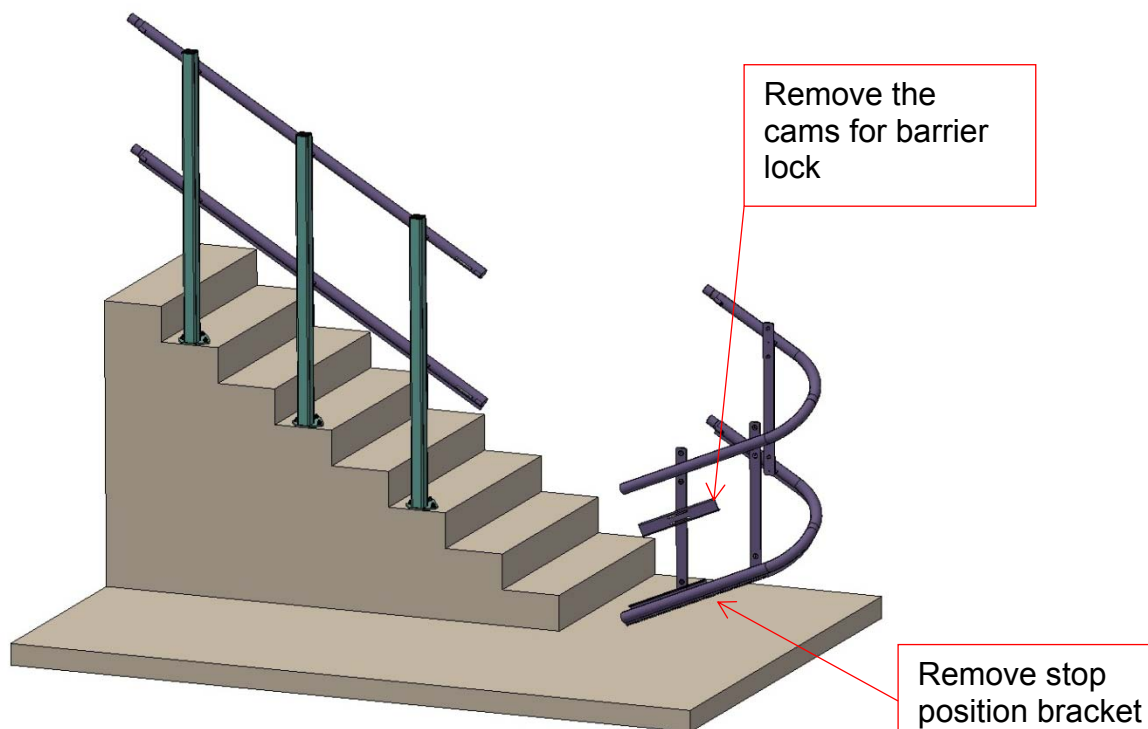
Installation of the rails

Following pictures can help to explain how it is possible the stairlift from the bottom of the rail. The rail can be installed completely, not matter if the unit is fixed on the wall or on free standing pillars.



Once installed please check if main dimensions are in according with installation drawing.

Then remove the first rail part. Remove the cams for barrier lock and lower stop position bracket from the rail. If given, also remove the pillars from the rail.

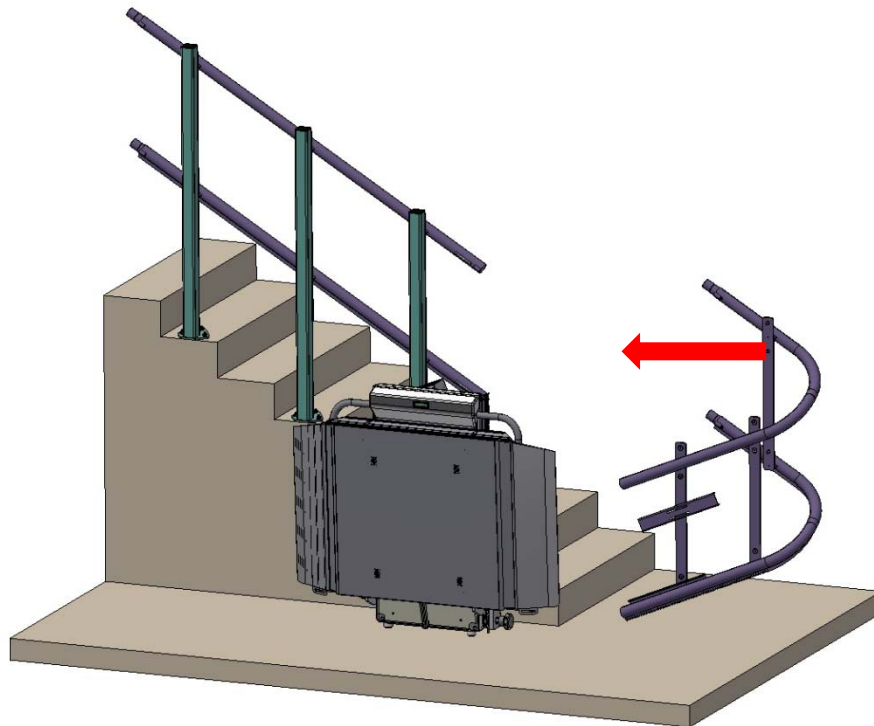


If a hand, use the polyamid inserting pin (see picture on the right). Inster the pin into the upper tube only. This helps to insert the rails into the carriages and also to set the right angle for the upper carriage.

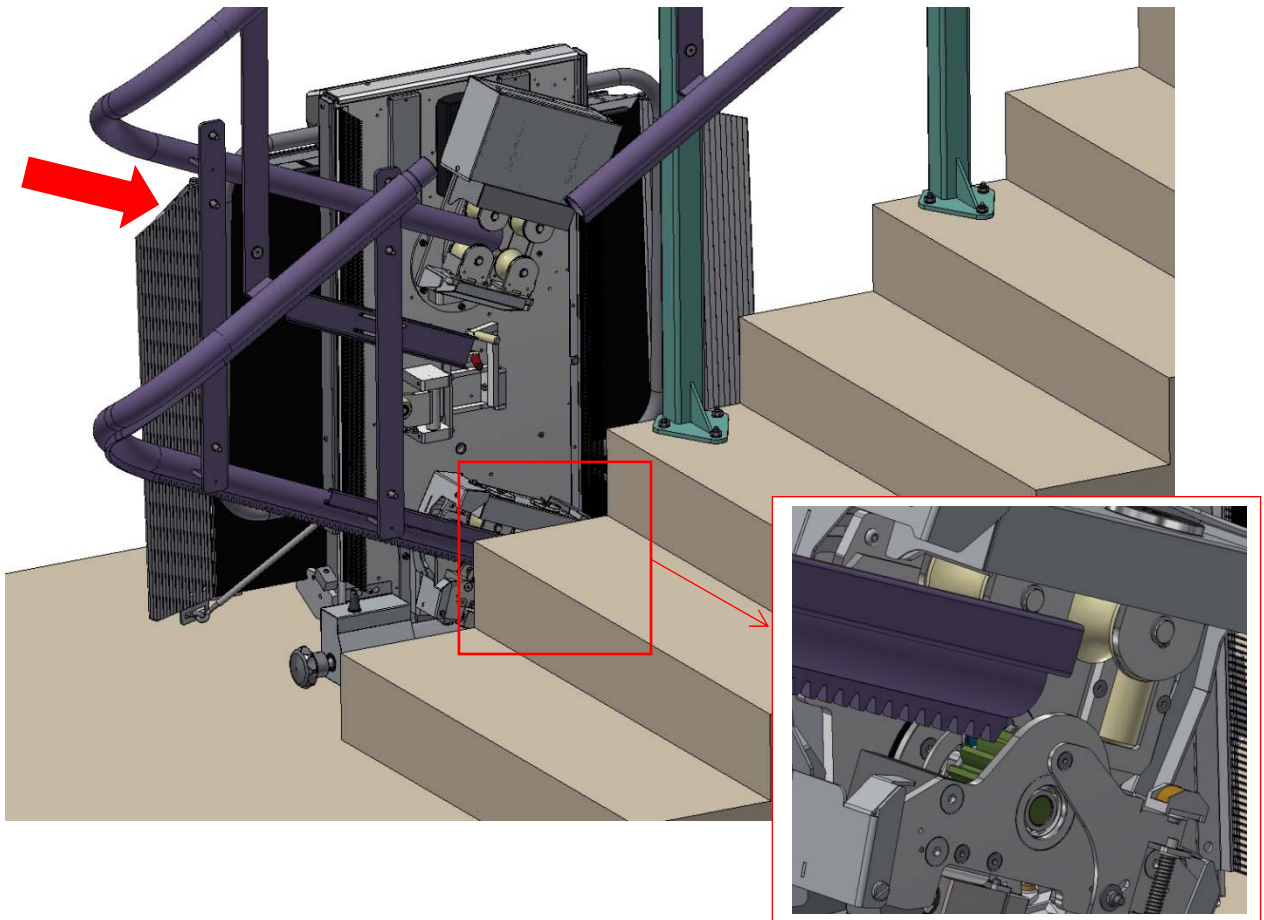
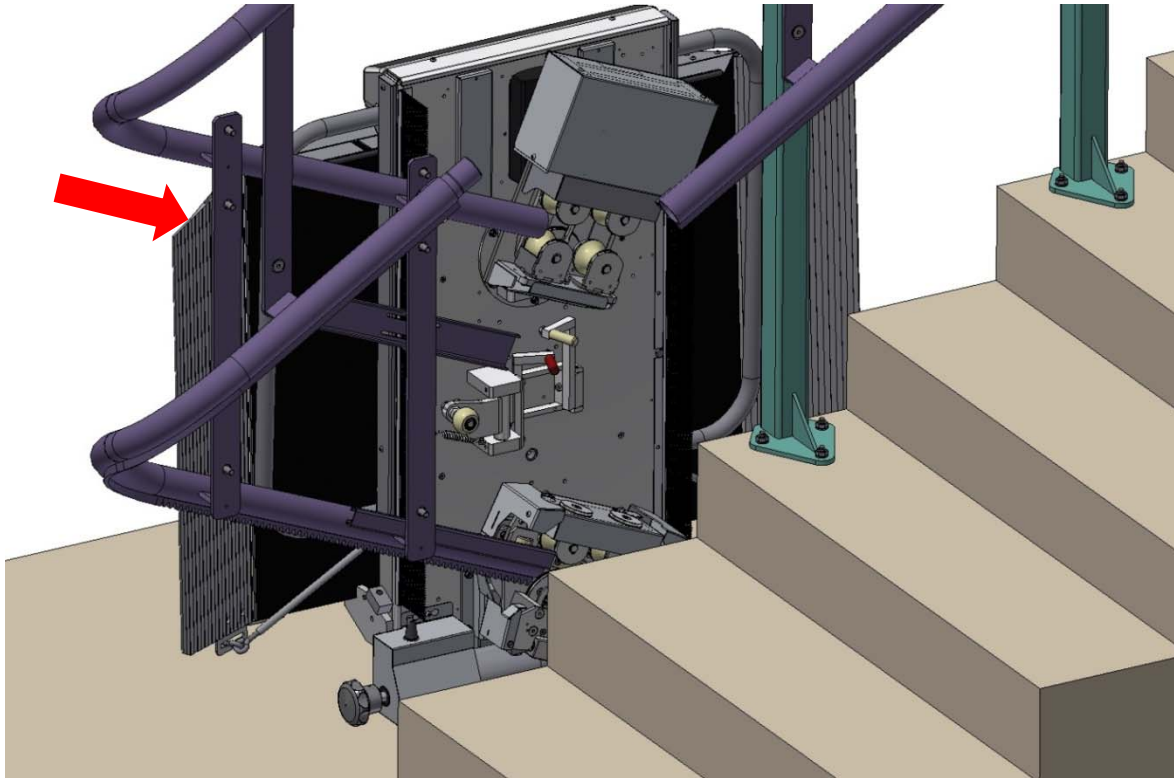


Place the stairlift with closed platform approximately into lower stop position. One person supports stairlift in vertical position or use a trolley and strap platform to trolley so it can stand free in park position.

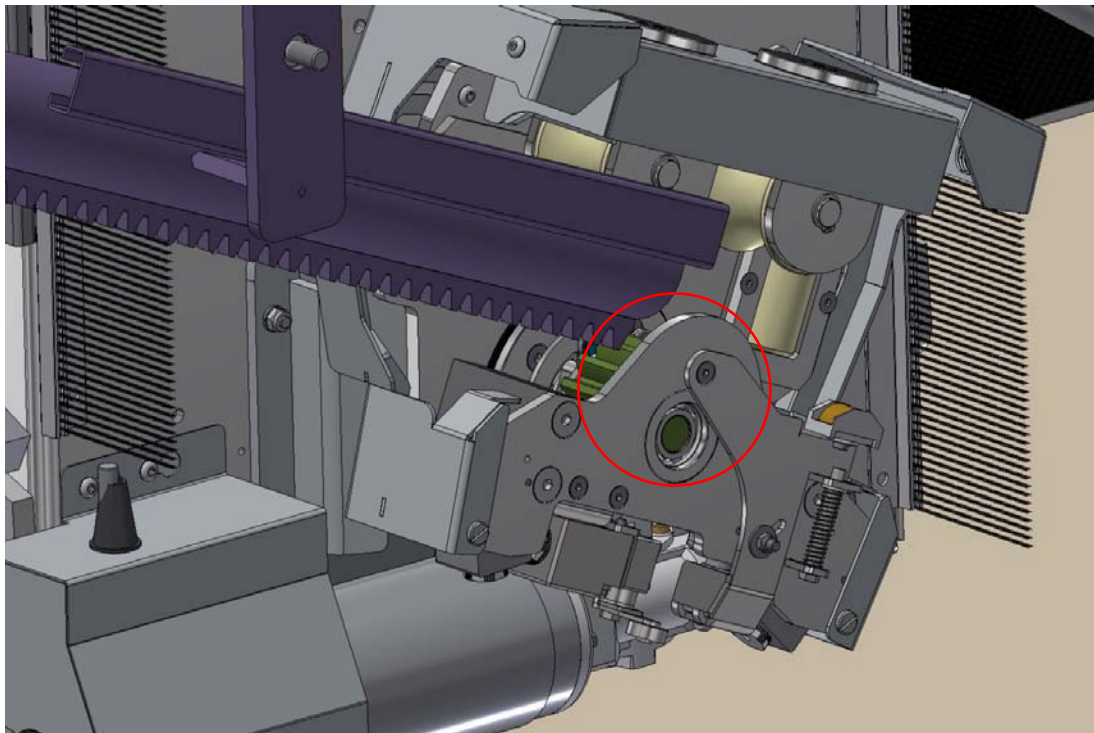
Then, with help of a second person, bring the first rail part and approach it to the carriages.



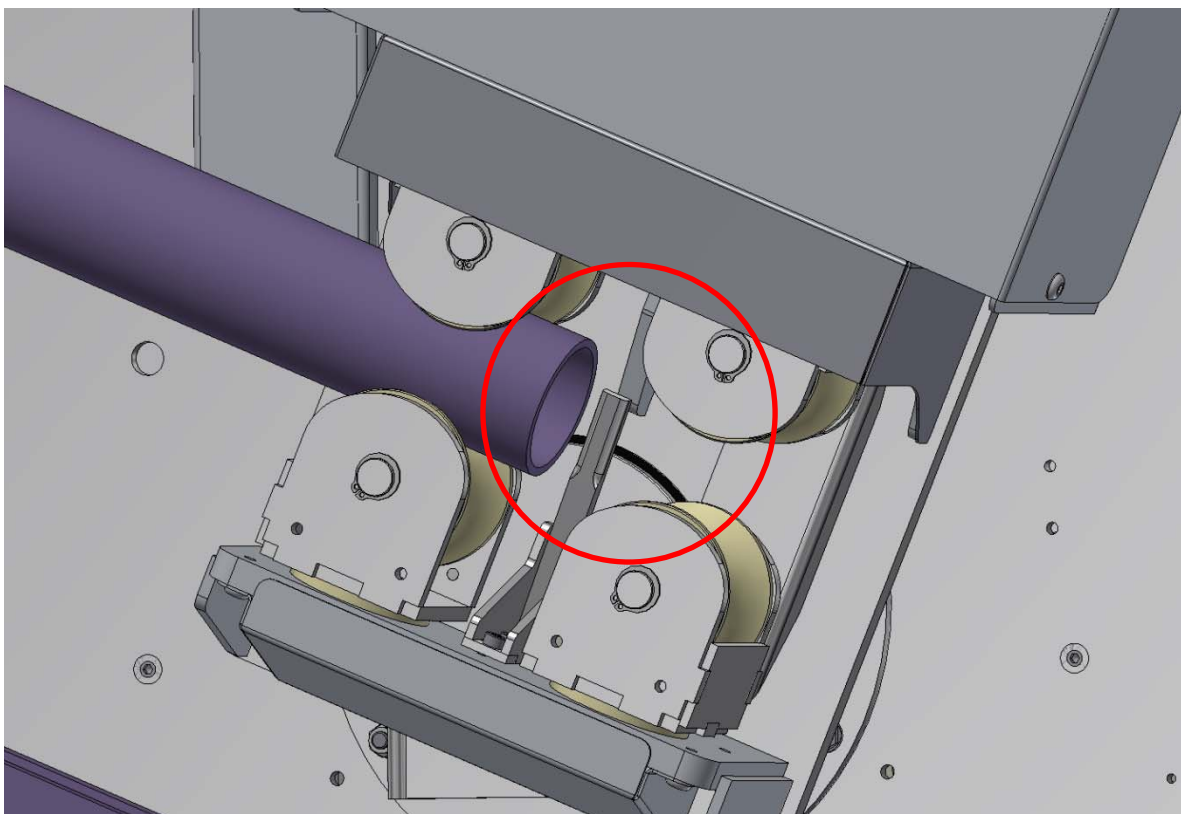
Set the carriages to the rail inclination and carefully inserts the rail tubes into the carriages (between the plastic rollers) until the rack will contact the pinion.



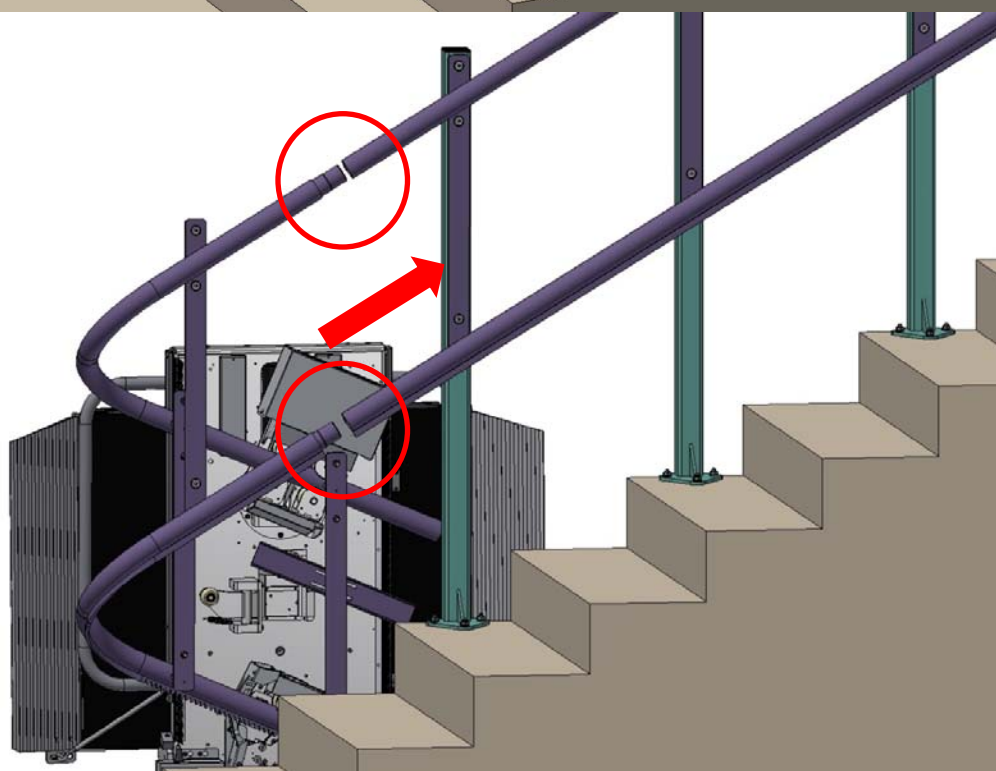
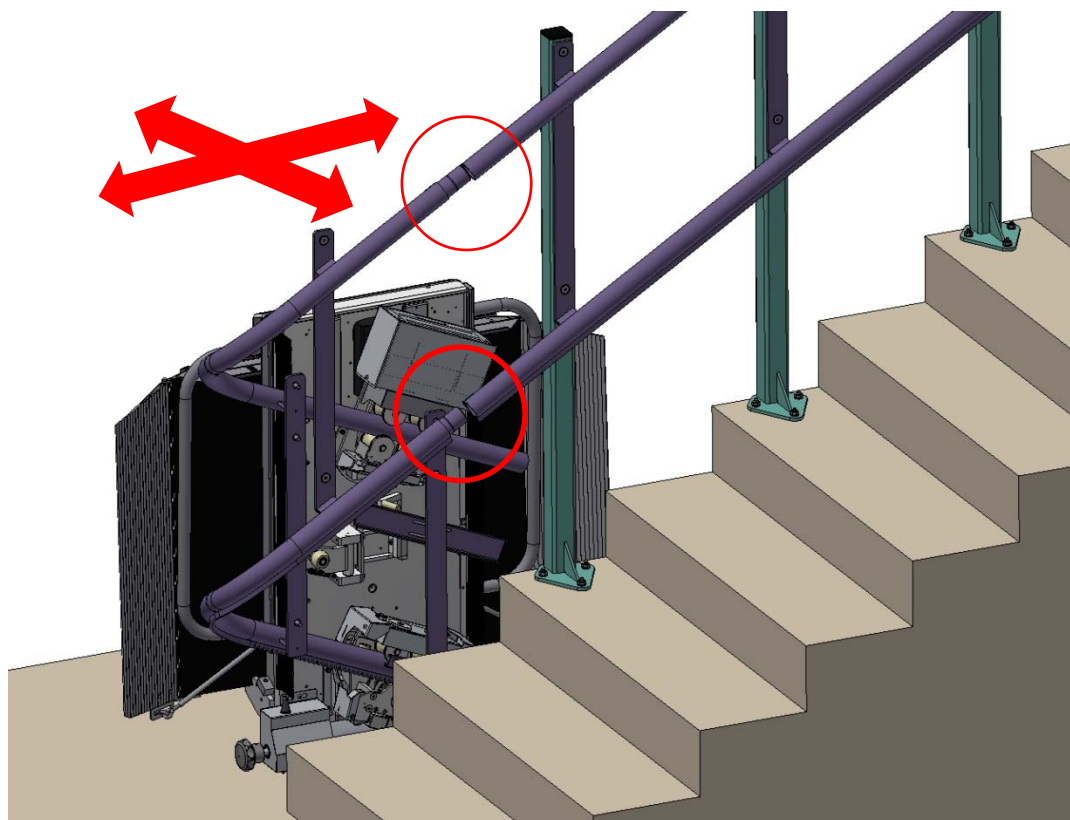
Now you use the landing remote control to drive platform pinion onto the on the rack. Be careful and watch if teeth of pinion contacts teeth of the rack correctly.



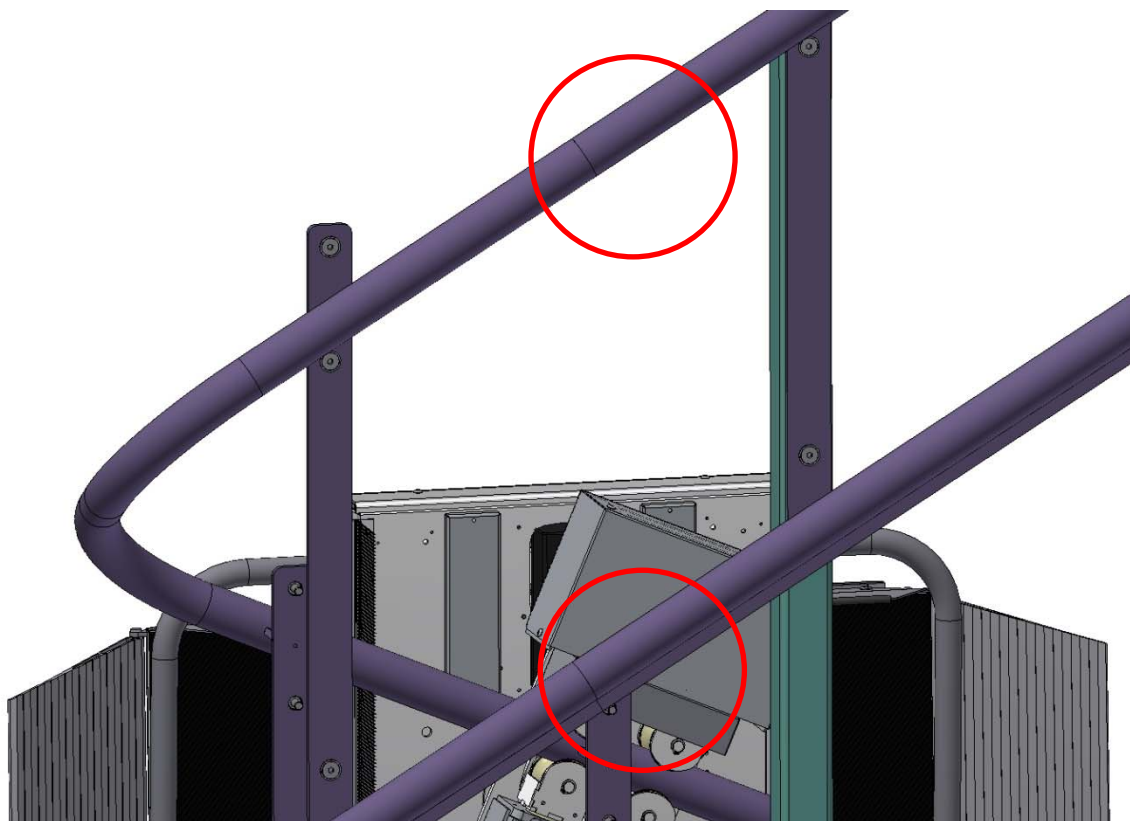
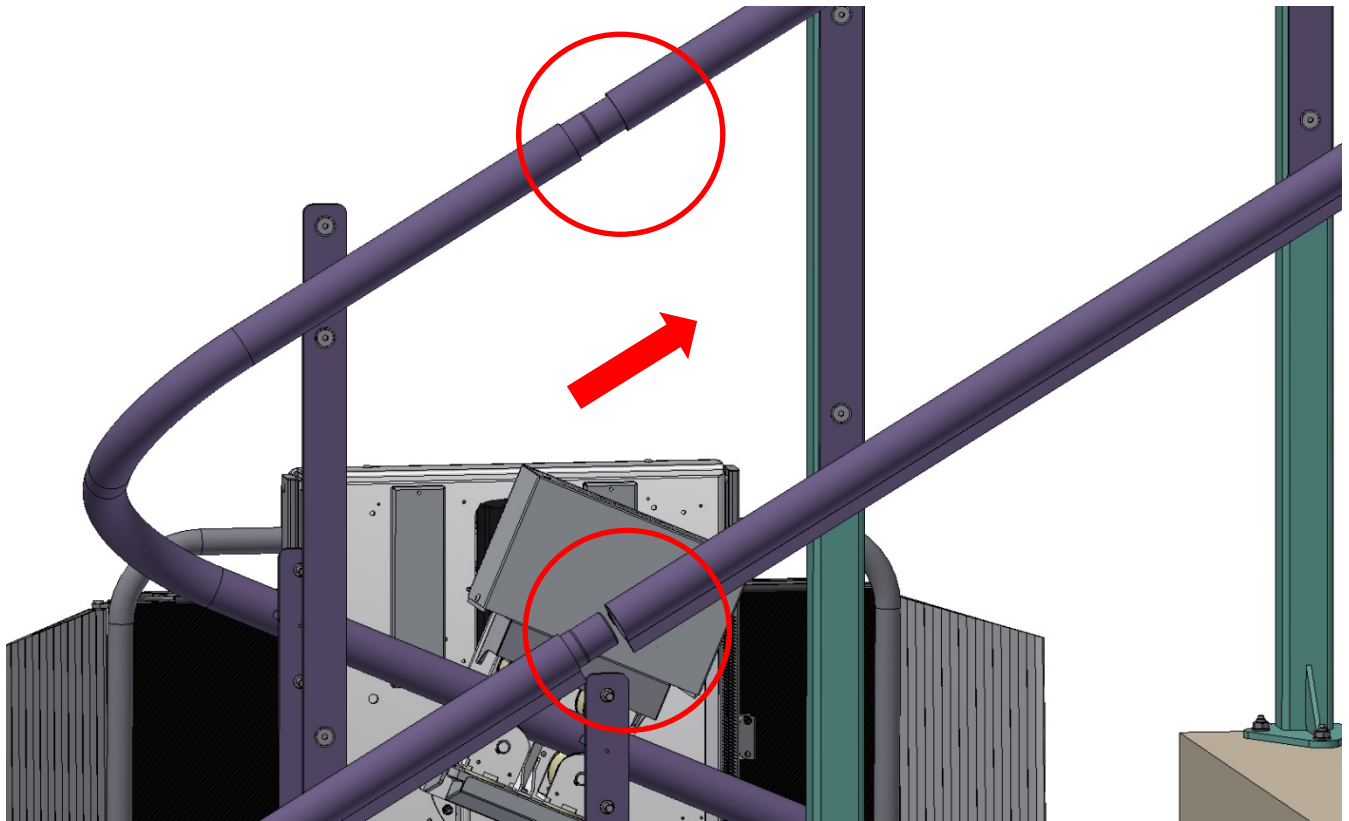
Also observe upper rail tube to avoid bending or breaking of the lever for slow speed on the curve.



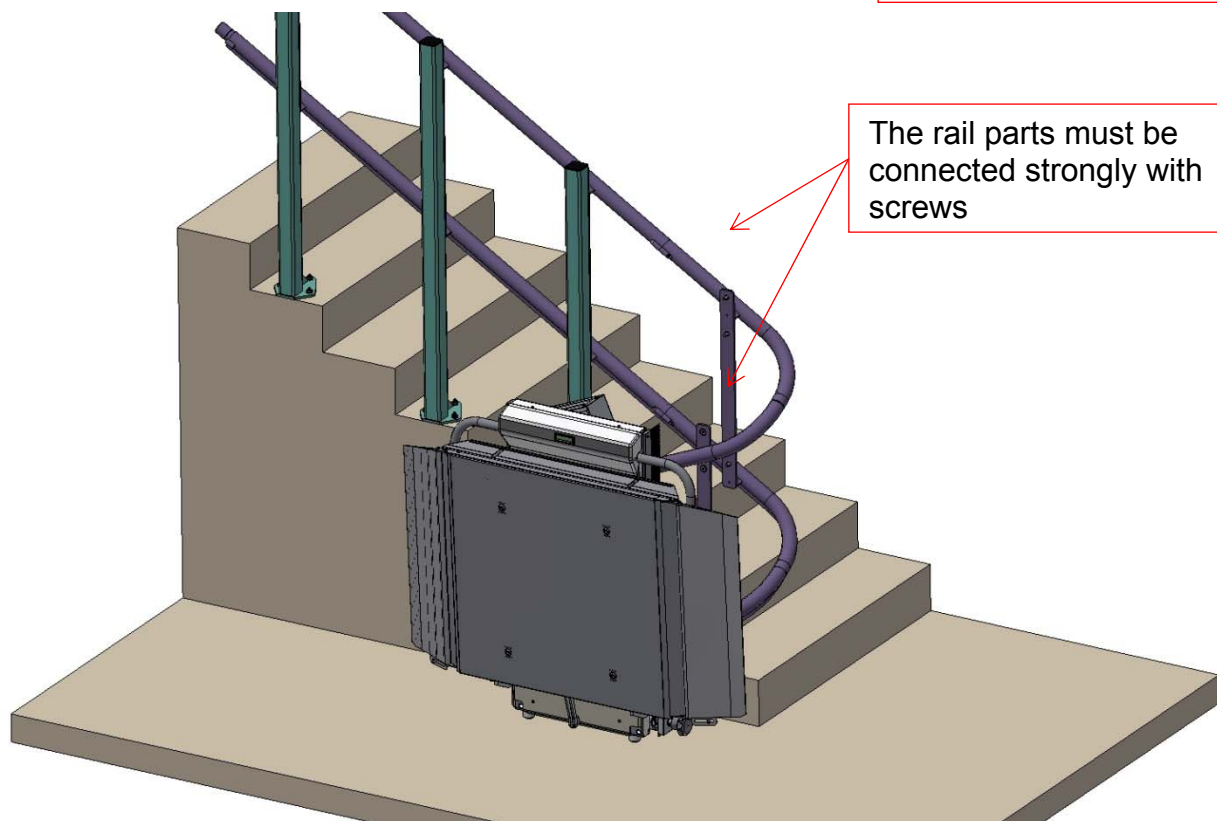
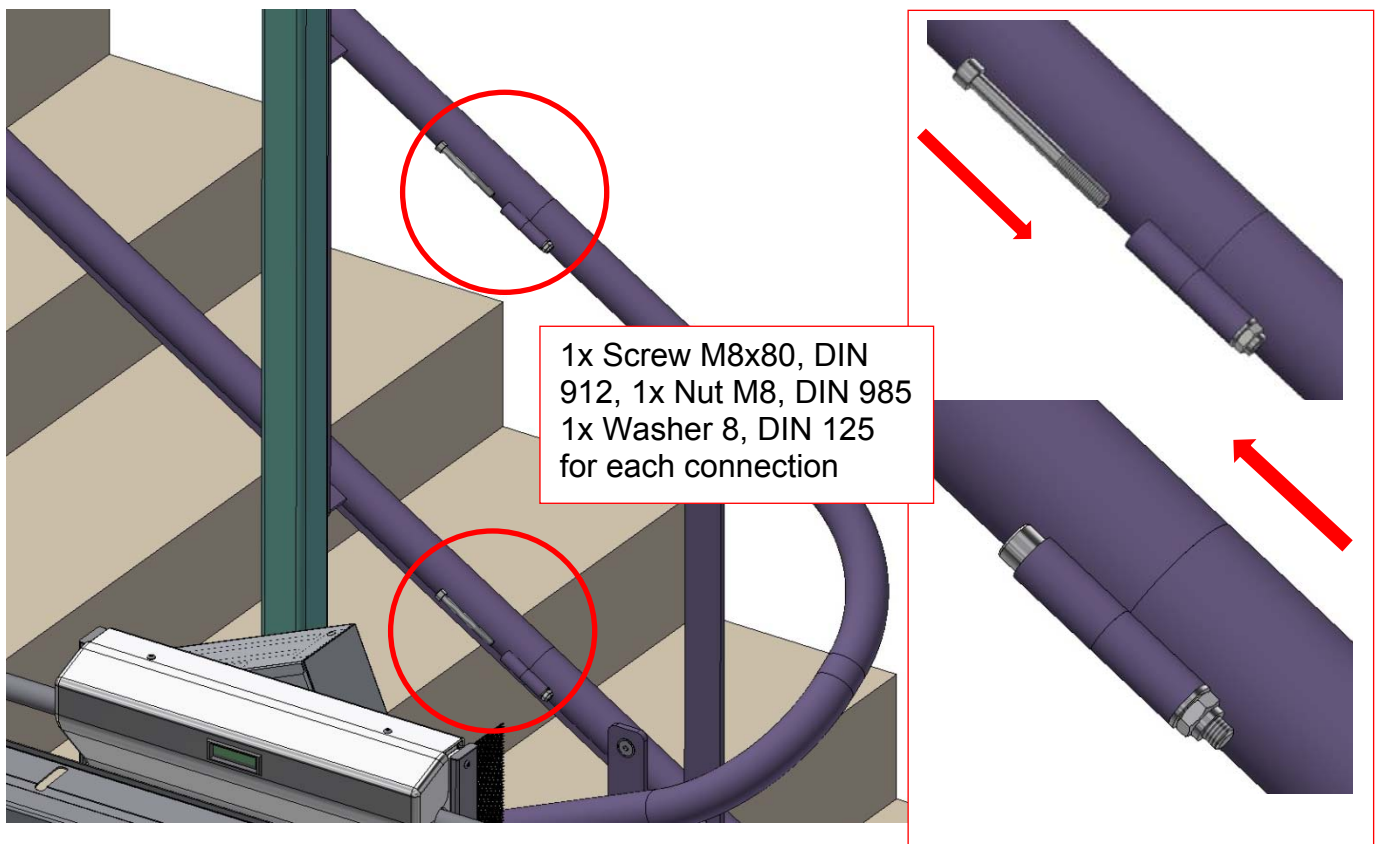
When the rail is inserted into the carriages, then move the platform to approach the rail tube connections. The upper connection part is 15mm longer than the lower one (for better guidance during inserting into next rail part).



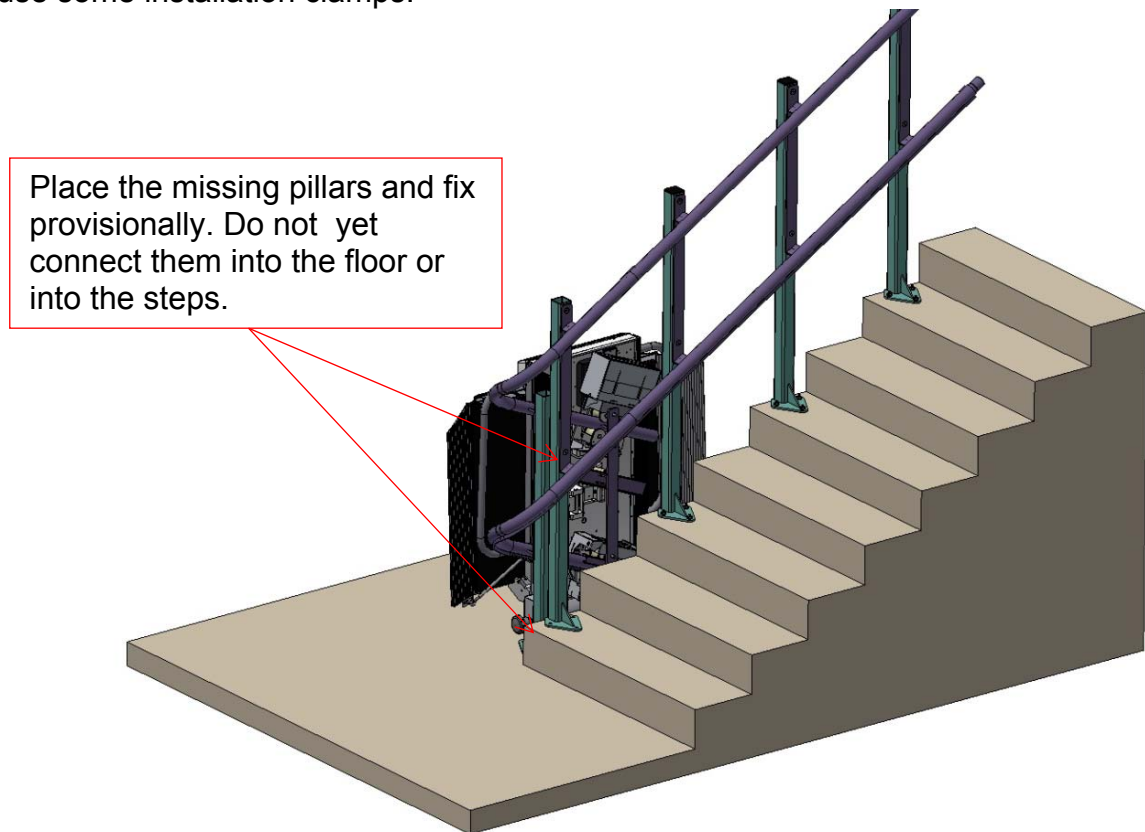
In the first step insert the part into the top tube then into the bottom tube.



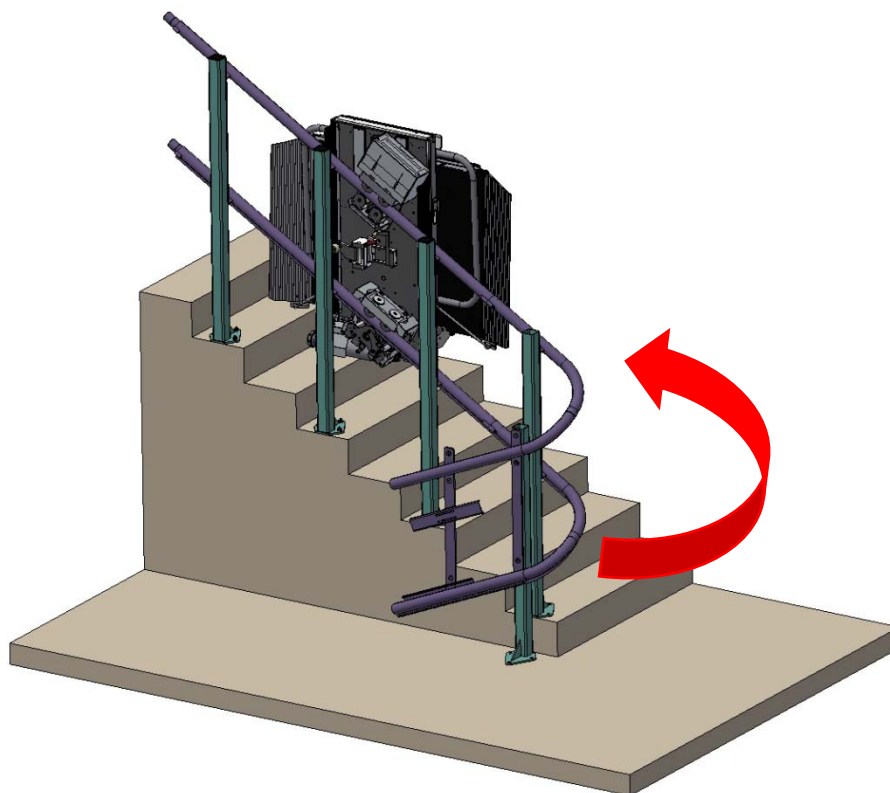
When both rail parts are fitted correctly without gaps between the tubes, then insert the screws and nuts into the bushings located behind the tubes.



When the rail parts are connected strongly, then place missing pillars on its correct position, but do not yet connect it into the floor or steps. To provisionally fix the rail onto the pillars use some installation clamps.

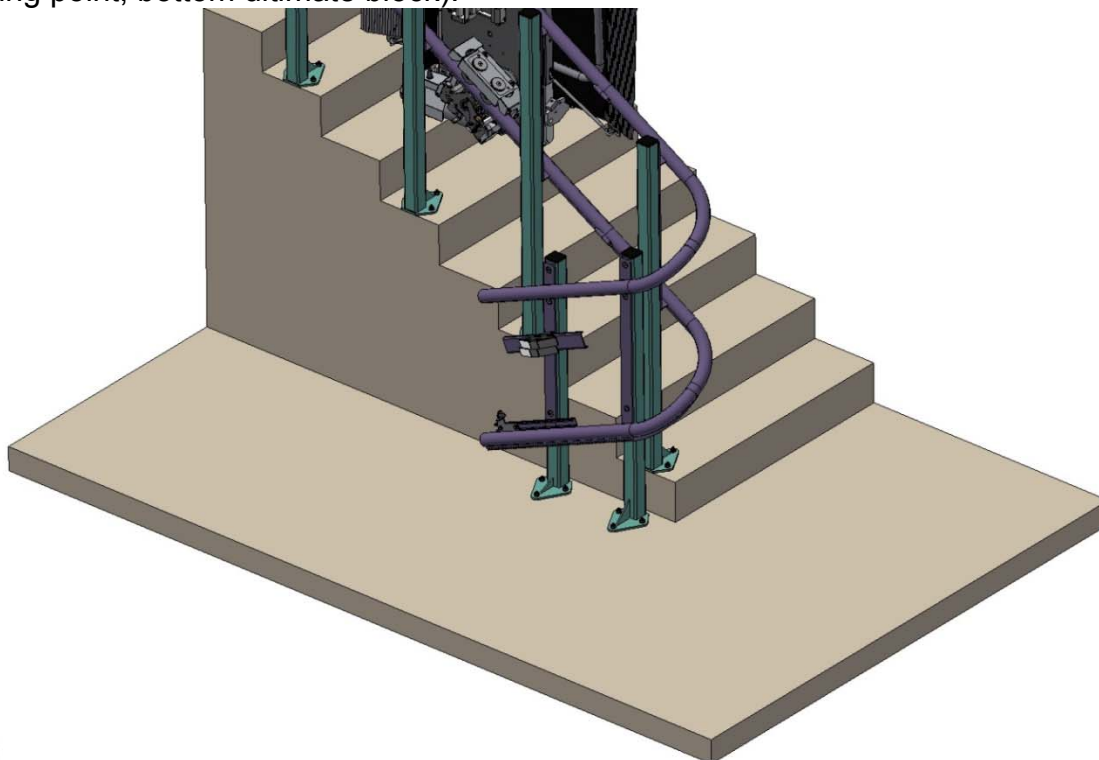


Now move the platform upward onto the second rail part to finish rail and the fixing of the lower pillars.

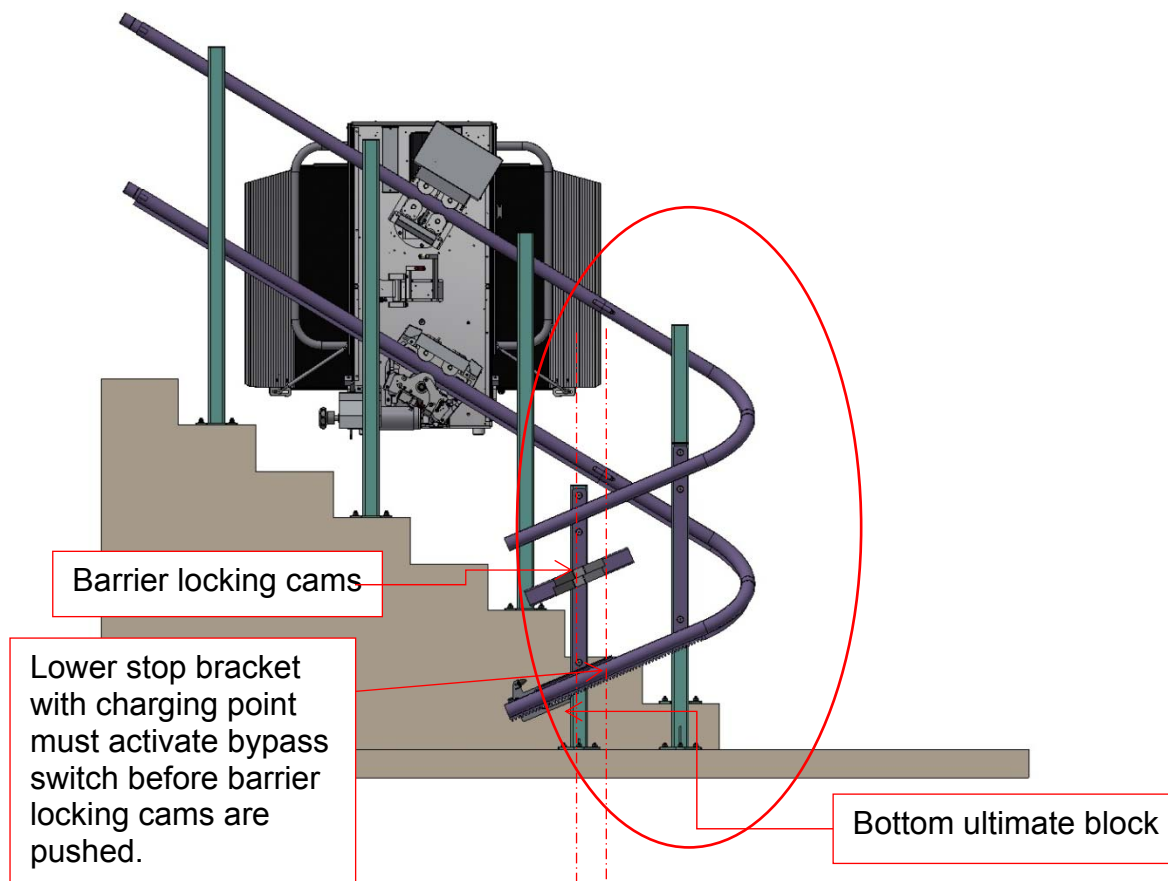


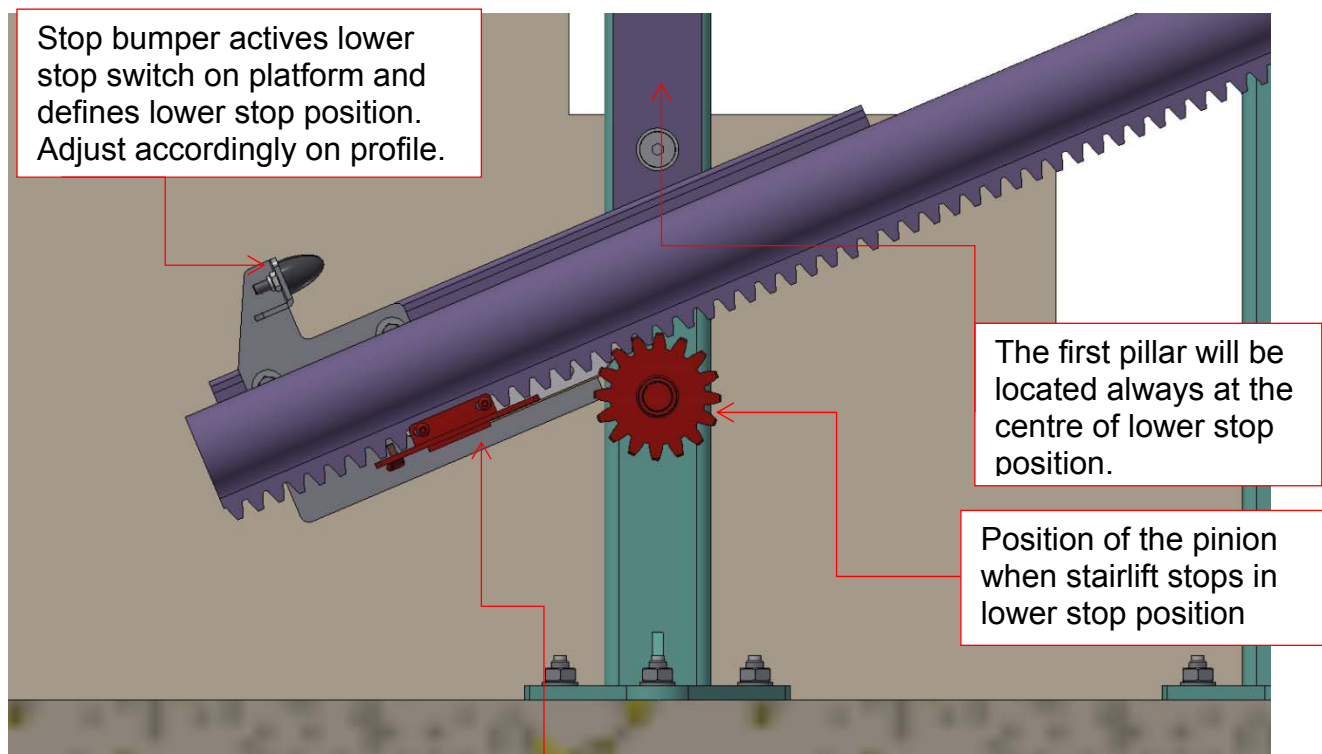
Then fix rail to wall or pillars (and pillars to lower lever and steps).

Add all necessary parts for lower stop position (barrier lock cams, stop bracket with charging point, bottom ultimate block).



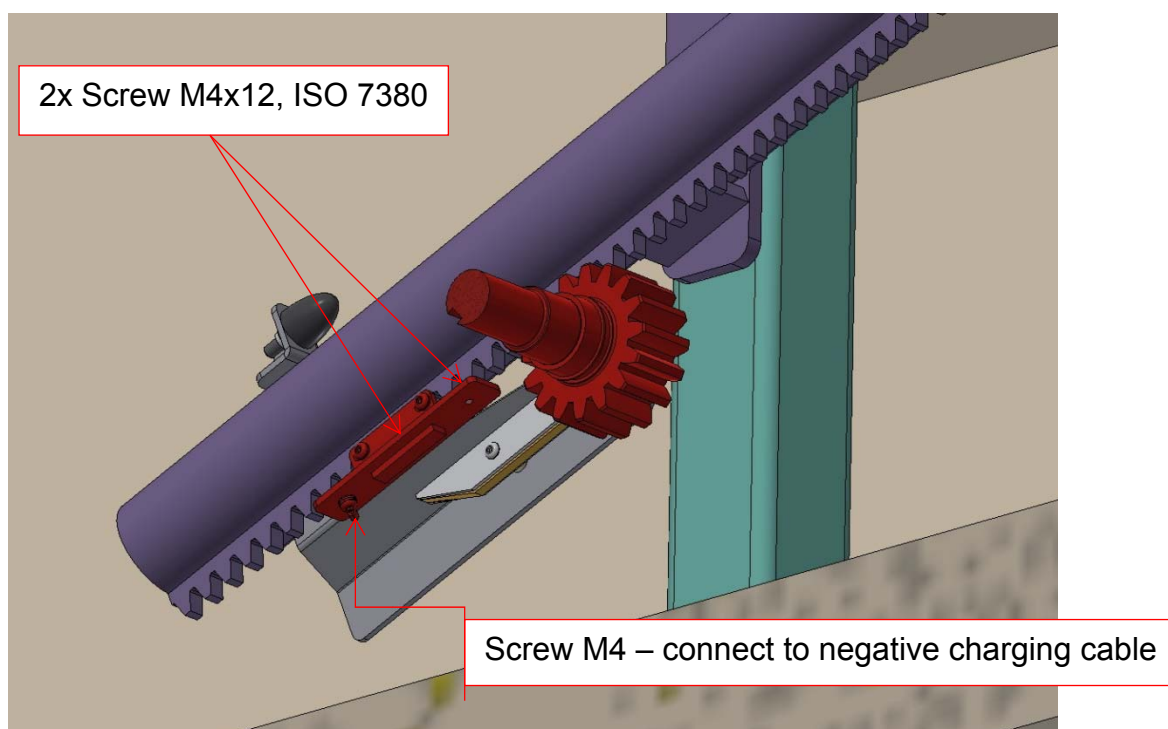
All parts must be adjusted in according with exact lower stop position of the stairlift.





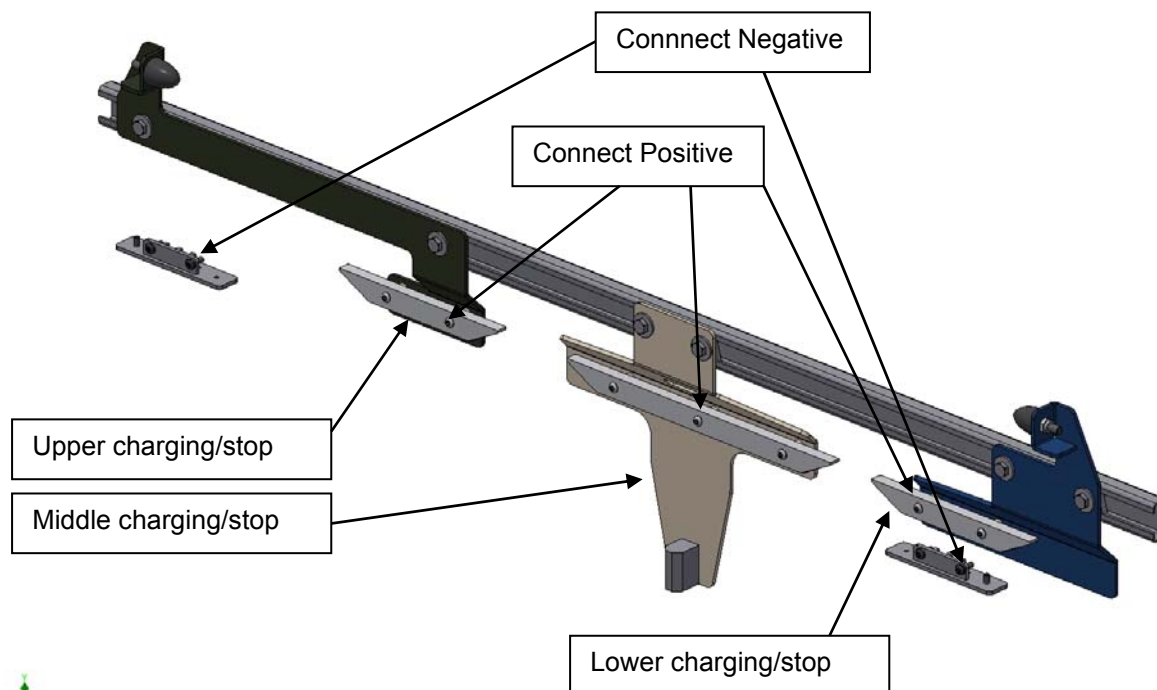
Bottom ultimate block must be connect on the rack near to the pinion when the normal stop switch and also ultimate limit switch will fail.

The ultimate bootm block is connect to the rack with 2 pcs of the screw M4x12, ISO 7380. The holes with threads M4 must be made by installer on site after stop position adjusting. The ultimate bottom block is needed to mechanically stop the platform in case of switch failure.



Installing of the charging station/limit assembly

The position of the charging stations/limit assembly has to be adjusted so the **limit switches** on the lower carriages are pressed by the **mechanical stop** at the correct spot.



Connect the stations according to the electric diagram. The **positive connection** goes to the charging ramps (copper material). The **negative connection** goes to the rail. Make sure there cannot be a short circuit between the copper and the rail. This could destroy the charger! Connect the upper, middle and the lower copper charging ramp with a single phase cable. This cable can run inside the lower steel tube.

Fix the charging station with the limit assembly onto the steel profile in the upper and lower landing. Fine adjust limit switches S27 and S28 if necessary with the slot hole under the carriage covers.



The plastic buffers on the lower end of the backside of the carriage should touch down slightly on the bottom in the **lower stop position**. The lower limit assembly should be placed accordingly!

In the **upper stop position** the platform should be in one line with the landing height, so the wheelchair driver can leave the platform horizontally, without any ramp inclination!

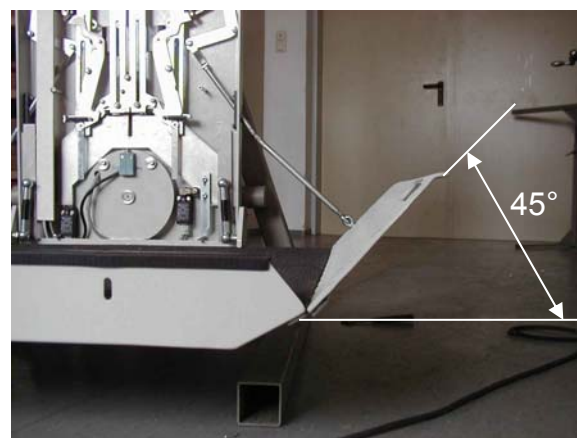
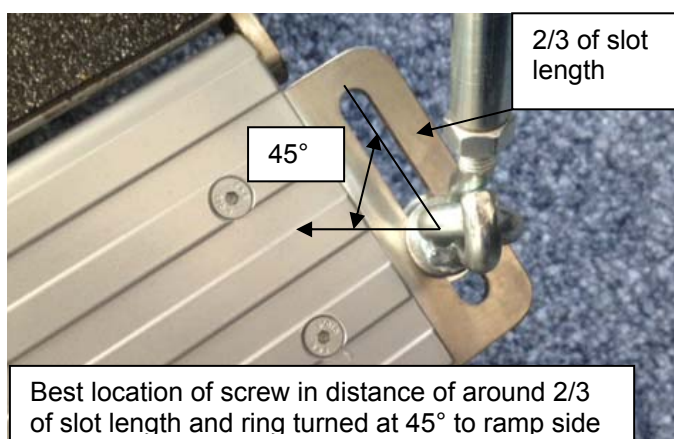


Install the **battery charger** at any convenient place close to the upper or lower charging stations. Make sure there is no collision between the battery charger and the moving platform in case of wall fixing of the rail.

Advice for adjustment of the loading ramps

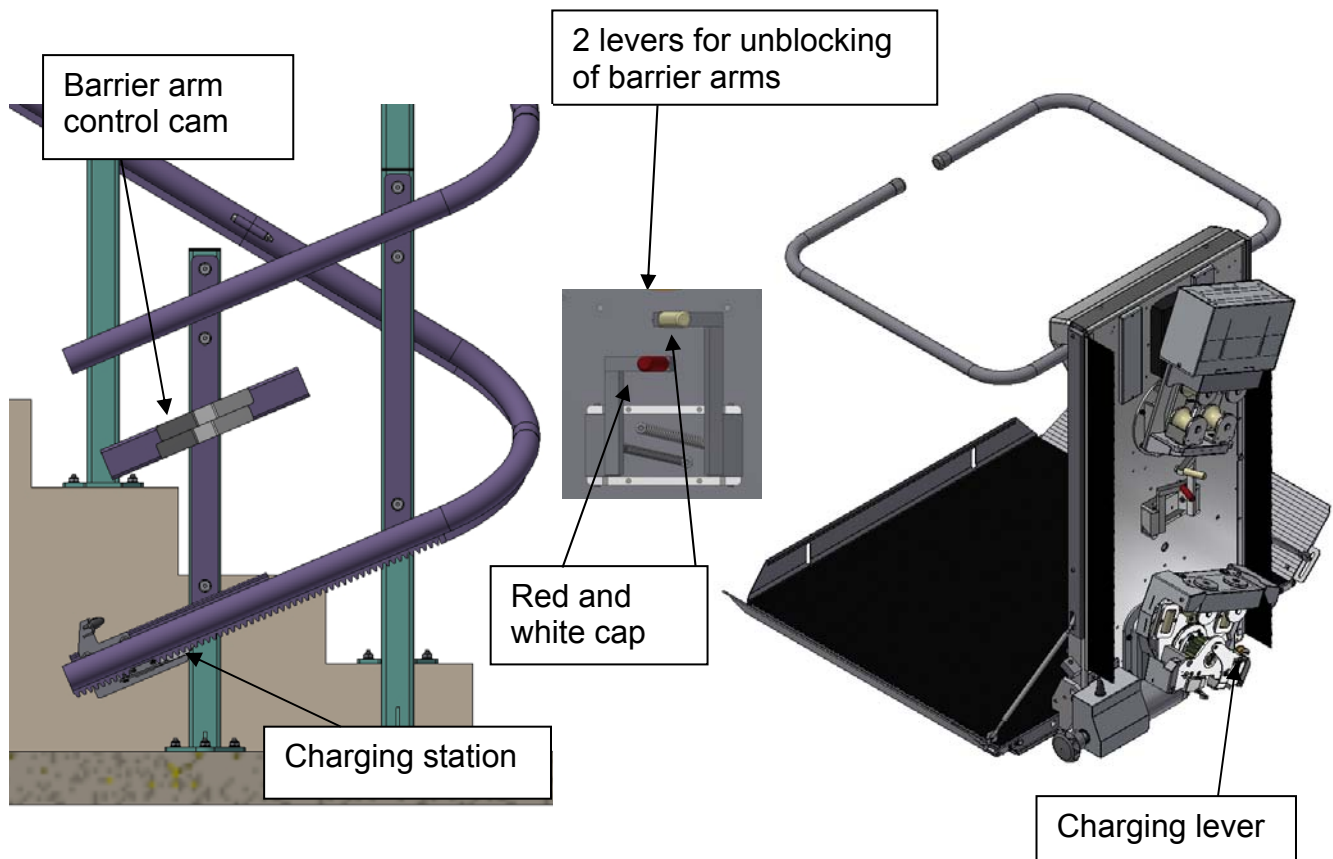
Adjust the ramps to achieve a **45 ° angle** between the platform and ramp when the barrier is in horizontal position. When the barrier is open, the ramp has to fit to the bottom of the landing area. Also fix the ring at an **angle of around 45°** to the side of the ramp and at a distance of around 2/3 inside the slot. This ensures best operation.

Check the loading ramps for proper operation. In folded and unfolded position of the platform, the ramps are also used as safety pads. When fixing the ramp ensure that it still can be pushed in order to activate the safety switches S12 and S13.



Adjusting of the control cams

Adjust the control cams - the levers for unblocking of the barrier must be in the middle of the control cams when the platform arrives in the stop position.



Important:

The **charging lever** must hit the charging station **before** the **lever for unblocking of the barrier arms** hit the control cams! Otherwise the lift would stop and can only be moved back by the hand wheel.

Caution: Do not mount two control cams in the upper stop position! Else the lower barrier can be opened and the user may fall out of the platform!!

Add the red coloured plastic cap on the lever for the upper barrier – this indicates for the emergency rescue of passengers, as described in the user manual!

The upper lever is responsible for the left barrier and, the lower lever is responsible for the right barrier!

Last checks before using the stairlift

Before going into operation, check again the correct measurements and fixings and make sure there can be no collision between the platform and the staircase or any other obstacle. Make sure that the travel clearances are correct and all strut fasteners tightened.

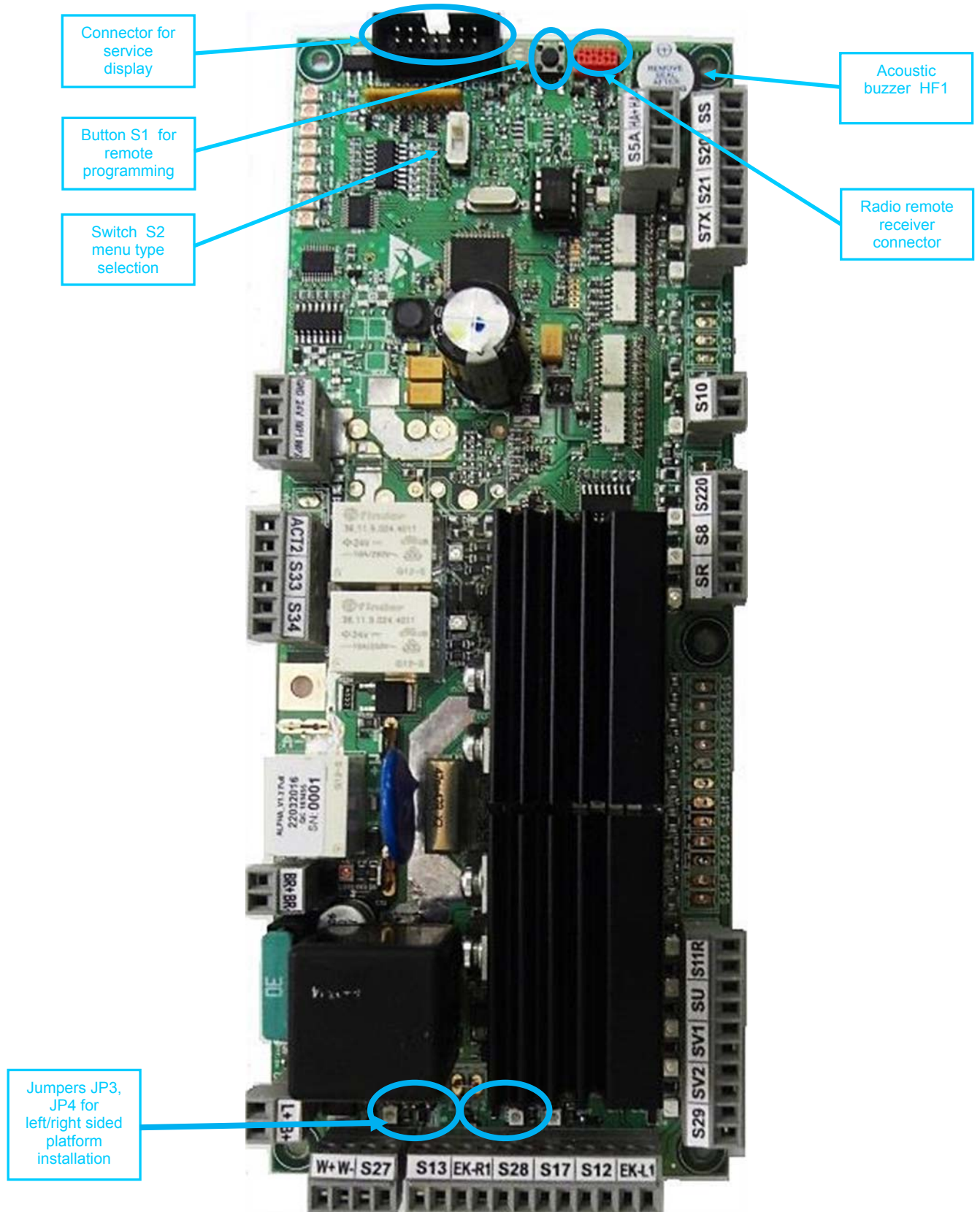
Caution: Do not ride on the unit until the fasteners are tightened.

- With the charging station, the limit blocks and the control cams in place, run the carriage up to the top of the system and back while checking the travel clearances of the carriage.
- When the landing is uneven and the loading ramp does not rest properly on the floor, adjust the ramps on the platform once more.

Caution: The installation team is responsible for a proper carrying out of the installation. The unit has to be tested for secure working including its environment (structural influences)! Are there differences against the drawing, other influences or obvious defects which prevent a safe working it is not allowed to set the lift into operation.

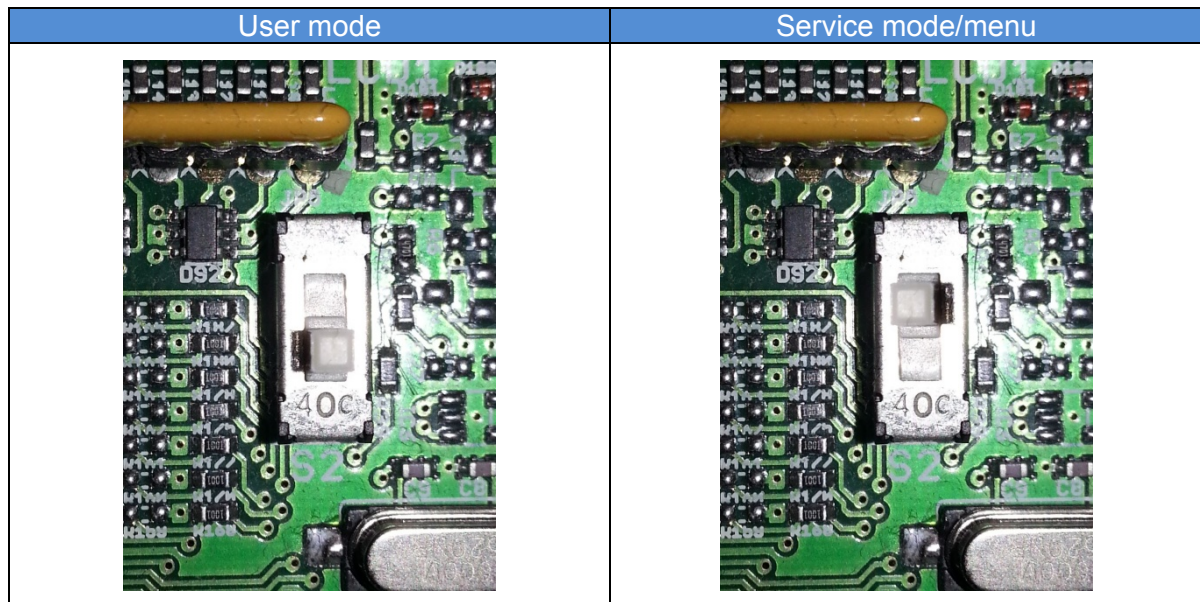
If any malfunctions are occurring or adjustments need to be made please refer to the following pages for more detailed information.

Switches and jumpers on the control unit



S2 switch

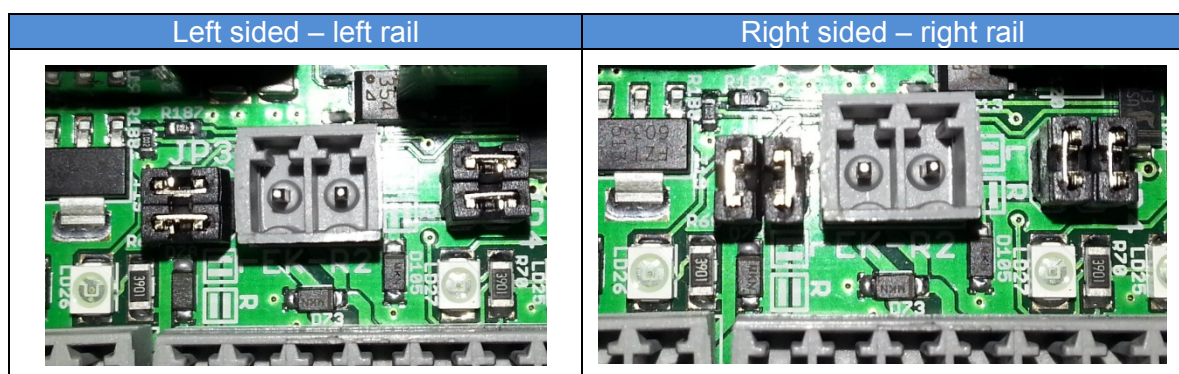
This switch selects between user/service menu types.



WARNING: After the platform installation and setting all service menu parameters, push the switch S2 to the position for user menu!!!

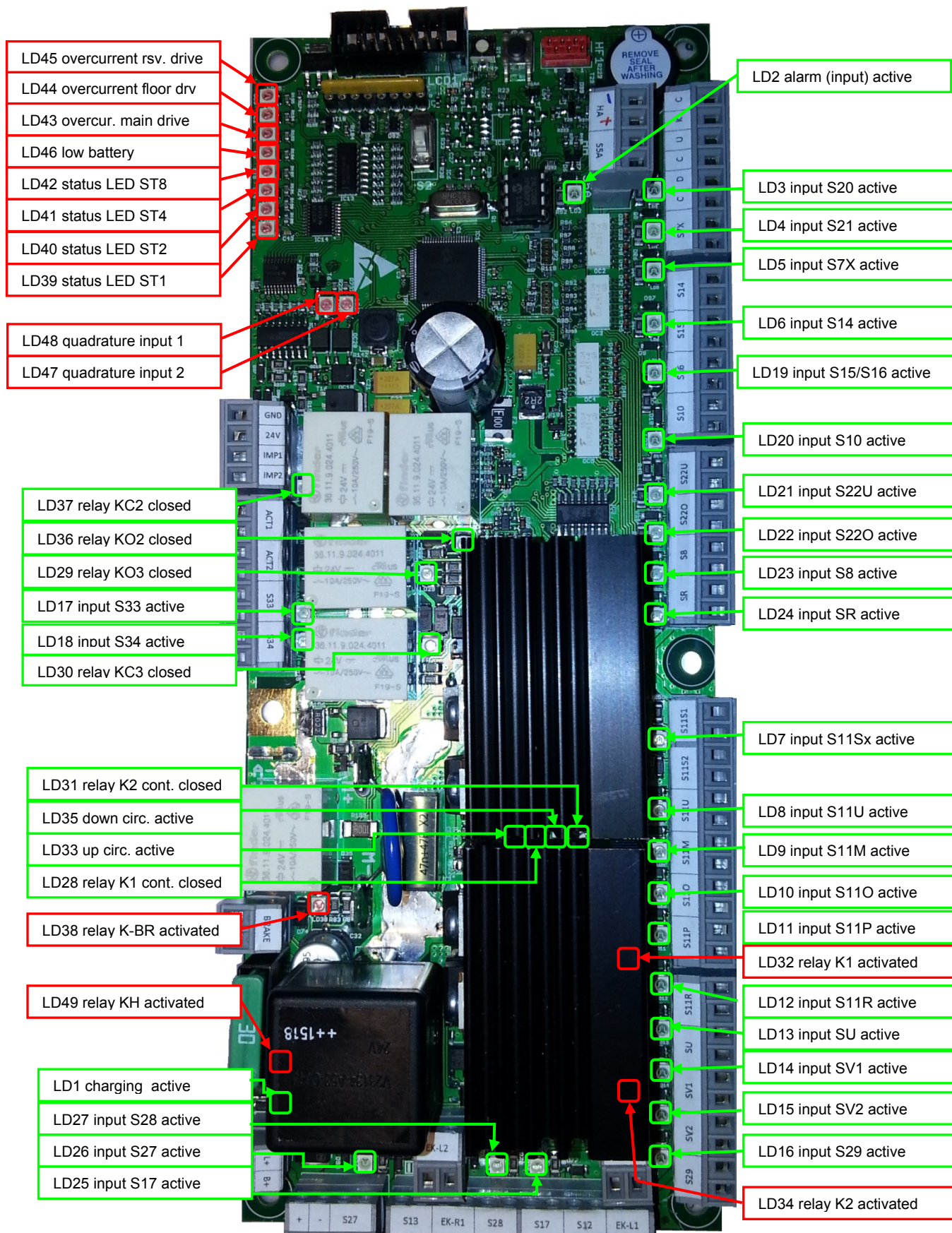
Jumpers JP3 and JP4

Jumpers JP3 and JP4 must be set properly according to left sided and right sided installation.



CAUTION: Proper jumper setting is absolutely necessary for the correct and safe function – safety elements in the drive direction.

LED signalization on platform's control unit



Name	Color	Function
LD1	green	Lights when battery charging is active
LD2	green	Lights when alarm input is activated
LD3	green	Lights when platform controller button UP is active
LD4	green	Lights when platform controller button DOWN is active
LD5	green	S7X; goes off after pushing the STOP-button
LD6	green	S14; goes off after left barrier unlocking
LD7	green	S11S1 + S11S2; On when both barriers are in horizontal position
LD8	green	S11U; Goes off when barriers are fully opened
LD9	green	S11M; Goes off when barriers get from opened position to horizontal while moving
LD10	green	S11O; Goes off when the floor is fully closed
LD11	green	S11P; Lights when the floor is fully opened i.e. horizontal position;
LD12	green	S11R; reserve
LD13	green	SU; Lights when the platform is overloaded
LD14	green	SV1; Goes off when platf. enters slowdown before stop
LD15	green	SV2; Goes off when platf. enters slowdown in curve (for straight-rail STRATOS always lights)
LD16	green	S29; always on for STRATOS rail without middle station
LD17	green	S33; reserve
LD18	green	S34; reserve
LD19	green	S15; goes off after right barrier unlocking while S16 switch is open
LD20	green	S10; Goes off when overspeed detected and safety gear activated
LD21	green	S22U; Goes off when lower safety limit switch opens
LD22	green	S22O; Goes off when upper safety limit switch opens
LD23	green	S8; Goes off while blocking manual emergency drive
LD24	green	SR; safety circuit reserve
LD25	green	S17; Goes off when safety bottom activates (press)
LD26	green	S27; Goes off when upper limit switch is activated
LD27	green	S28, S17; Goes off when lower limit switch or sensitive bottom is activated
LD28	green	Relay K1; Lights when relay K1 contact is closed (up direction)
LD29	green	Relay KO3; Lights when relay KO3 is activated
LD30	green	Relay KC3; Lights when relay KC3 is activated
LD31	green	Relay K2; Lights when relay K2 contact is closed (down direction)
LD32	red	Relay K1; Lights when relay K1 is activated (drive up)
LD33	green	Goes off when lateral contact or ramp switch in up direction is opened i.e. S12 or EK-L for right-sided rail is opened or S13

Name	Color	Function
LD34	red	Relay K2; Lights when relay K2 is activated (drive down)
LD35	green	Goes off when lateral contact or ramp switch in down direction is opened i.e. S12 or EK-L for left-sided rail is opened or S13 or EK-R for right-sided rail is opened
LD36	green	Relay KO2; Lights when the floor is opening, relay is activated
LD37	green	Relay KC2; Lights when the floor is closing, relay is activated
LD38	red	Relay K-BR; Lights when brake relay is activated (unbraked)
LD39	red	Status LED ST1; see the table in the following chapter
LD40	red	Status LED ST2; see the table in the following chapter
LD41	red	Status LED ST4; see the table in the following chapter
LD42	red	Status LED ST8; see the table in the following chapter
LD43	red	Lights when overcurrent is detected on the main drive 1
LD44	red	Lights when overcurrent is detected on the drive 2 – automatic floor actuator
LD45	red	Lights when overcurrent is detected on the drive 3 – reserve (not used for Stratos)
LD46	red	Lights when battery voltage is low
LD47	red	Lights when quadrature input 2 is activated (not used for Stratos)
LD48	red	Lights when quadrature input 1 is activated (not used for Stratos)
LD49	red	Relay KH; Lights when main relay is activated

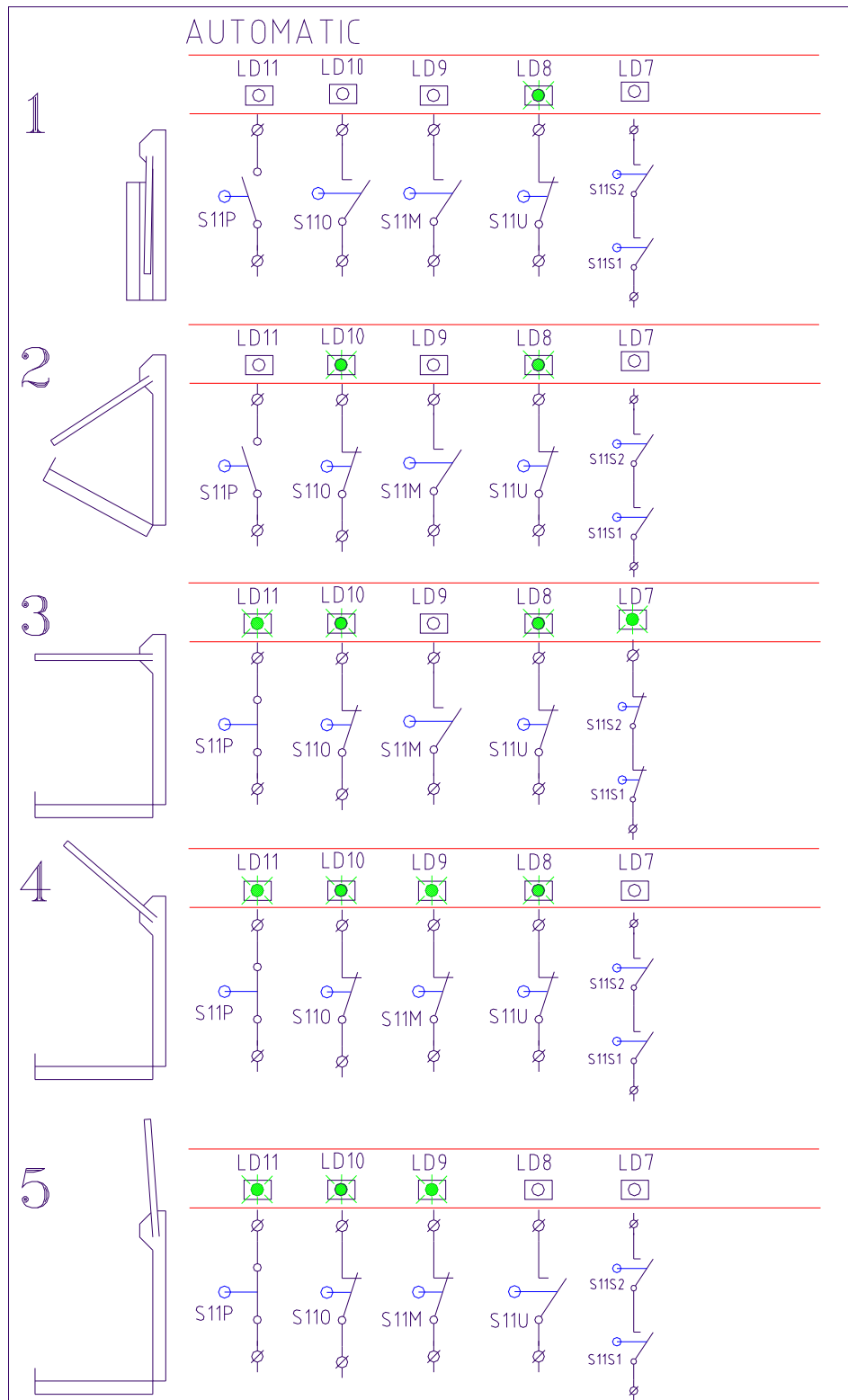
Status LED

In the following table there are all status LED combinations described. These LEDs and the table are useful especially when no display is available and the service worker needs to know the state of the control unit.

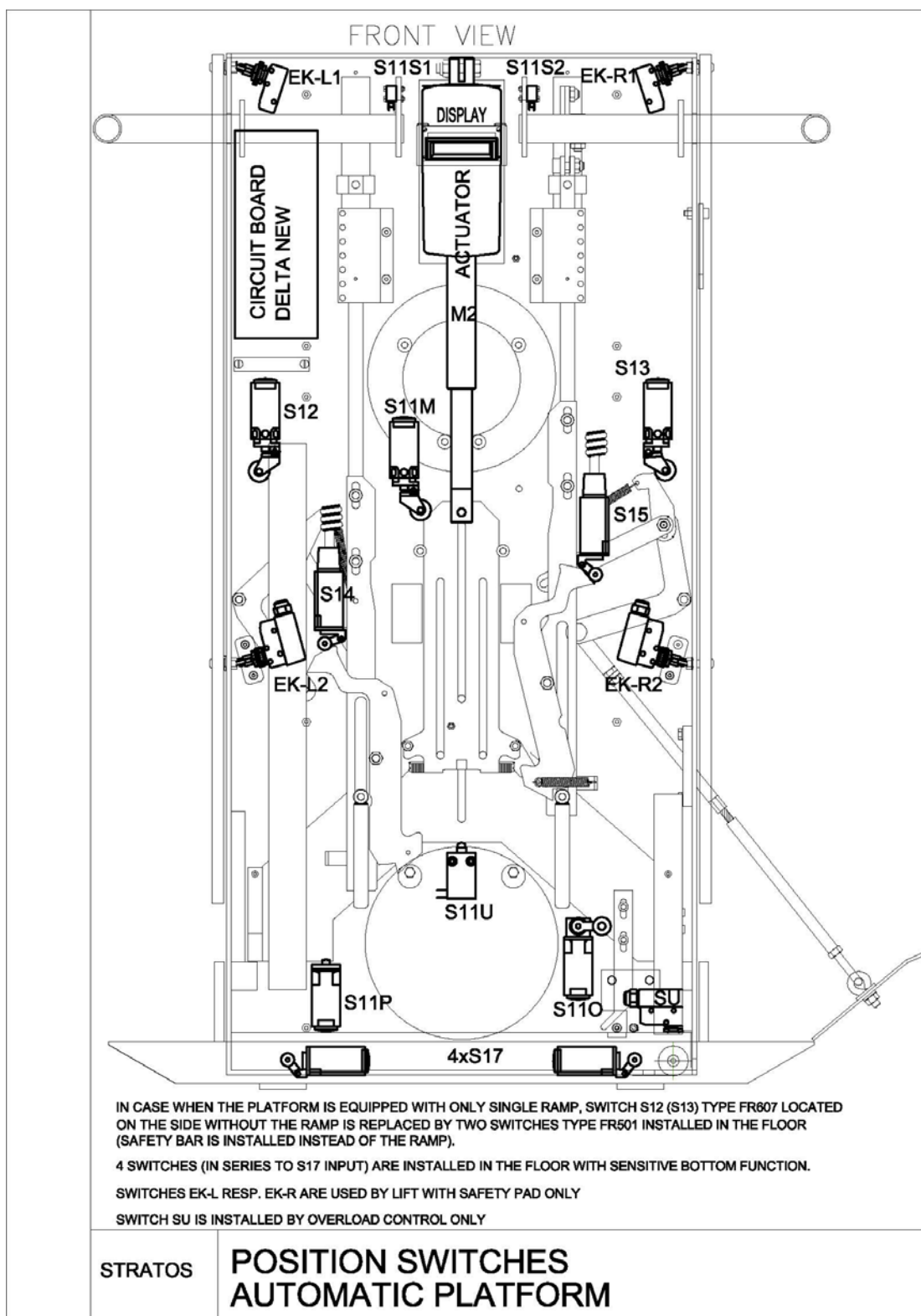
ST	1 (LD39)	2 (LD40)	4 (LD41)	8 (LD42)	Description
1	x				drive up by platform controller S20
2		X			drive down by platform controller S21
3			x		drive up by wall-mount RF controllers
4				x	drive down by wall-mount RF controllers
5	x		x		floor closing/barriers closing
6	x			x	floor opening/barriers opening
7	x	X			platform is in a station and being charged
8	x	X	x		platform out of station and not charged
9	x	X	x	x	error

Position switches on platform

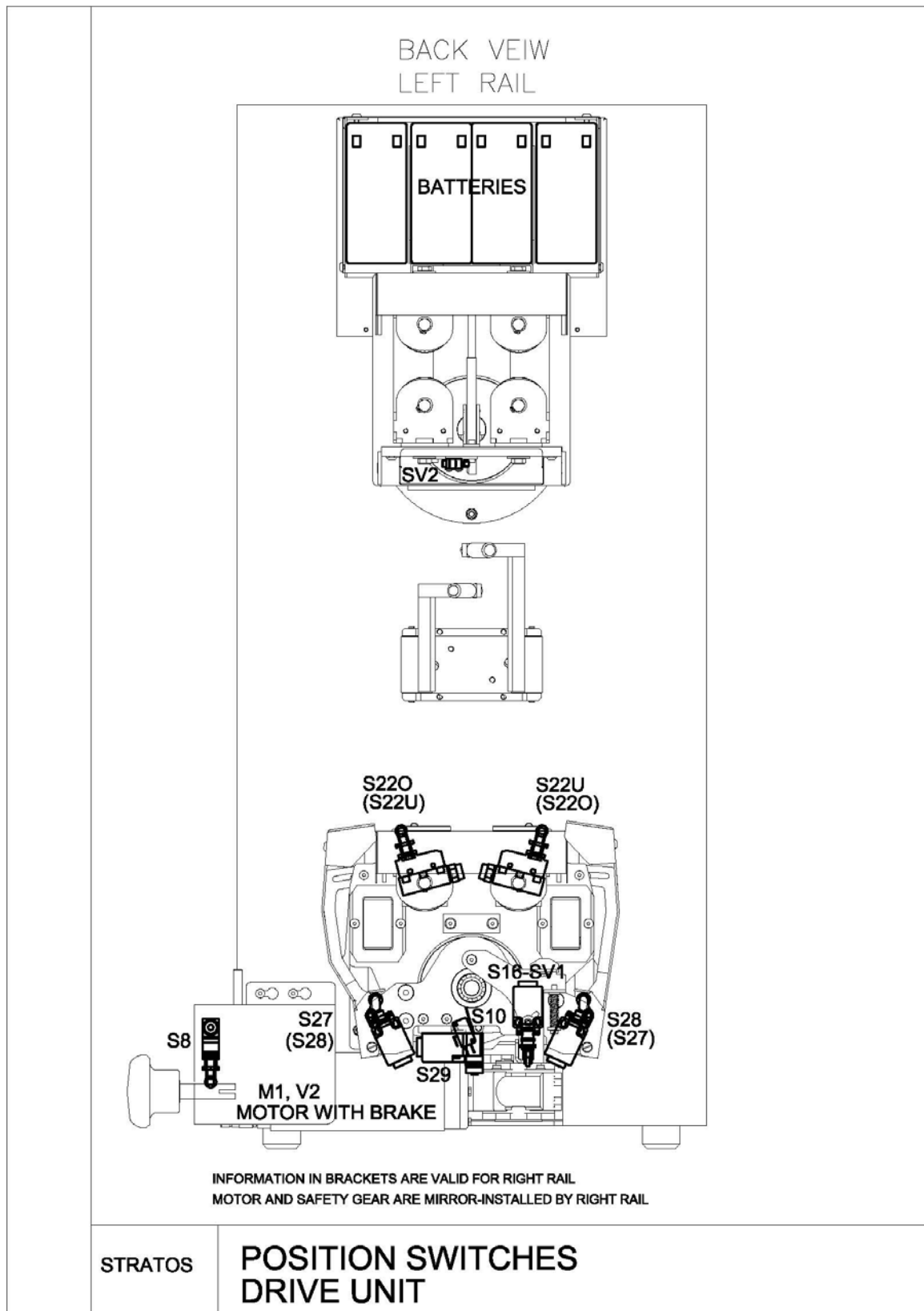
Following schematics show states of position switches (and related LEDs) in dependency on the position of the floor and the barriers.



Platform front view – switch position:



Platform backside view – switch position:



Display functions

The display can be used to analyse errors and for system configuration.

Following chapters illustrate and describe functions individually.

A special service mode allows a technician to enter into a menu and change system configuration and read error messages.

Following pictures show information examples on the display in both USER and SERVICE mode.

USER mode when the floor is opened:



USER mode when floor is closed:



(AP) - special function only when „Auto-close” is activated

(OP) - special function only when “Call opened” is activated

The factory number is displayed on the lower line.

SERVICE mode with the information about the battery voltage and the current flowing into the motor/actuator:



If you want to enter the service mode you need to set switch S2 – see page 12 and 13.

Menu activation

Menu can be entered by pushing both direction buttons (Up AND down) on the platform controller for at least 5 second.

Another way is to activate emergency stop-button and simultaneously push any of direction buttons on the platform controller for at least 5 second (this way is suitable for platform controllers with joystick – no buttons which could be pressed simultaneously). After that it is necessary to deactivate this stop-button by rotating it (follow instructions directly on this button).

To navigate the menu the up direction button (or push the joystick) is used. To enter certain menu item press the down button (or push the joystick). **The edited parameter value can be changed via the up button, the confirmation via the down button.**

The active item in the menu is highlighted by the arrow on the right of the item (see picture below). To exit menu choose “Back” item (one in each menu level/sublevel, repeatedly as much as necessary to jump up from menu sublevels).



Note: Default display language is English; in menu item “Language” other languages can be selected.

Menu items

In the following table there are all menu items listed and briefly described for both user and service menu. There is also indication for each item whether it is available in user, service or both menus.

Menu item	User menu	Service menu	Description
Device info	X	X	This first item shows basic information about the device – version of HW, SW and serial number
Language	X	X	Display language can be set via this item
Factory number		X	This item can store custom factory number.
Error	X	X	Shows list of recorded errors, allows also to delete this list.
Ack. error		X	If activated, clears current error. This is possible only in a station.
Operation-time		X	This item shows operation time and also allows to clear it.
Factory default		X	Activation of this item restores all parameters to factory default.
Alert output		X	Allows setting of used warning elements and frequency of signalization.
Radio version		X	Allows radio module version setting.
Motor config.		X	Allows setting of all parameters for motor and actuators – current limits and speeds.
Options		X	Allows to set platform's special functions.

In the following paragraphs some of menu items will be described. Descriptions are structured as based in main menu.

Factory default settings are underlined in following lists. These settings can be restored by resetting system to factory default settings. See chapter 0 Menu items.

In the following paragraphs some of menu items will be described. Factory default settings are underlined in following lists. These settings can be restored by resetting system to factory default settings.

Device info

First row shows the type of device Alpha new and the version of HW and SW. Second row shows factory number – the number which is saved in menu as factory number.

Language

Menu item	Value	Name	Description
Language	CZE	Czech	One of these can be selected
	<u>ENG</u>	<u>English</u>	
	GER	German	
	ESP	Spanish	
	FRA	French	
	PL	Polish	

Factory number

A factory or identification number can be set by this menu item (5 digits). Command for the movement up can change current digit. The currently edited digit is highlighted. Command for the movement down can move onto the next digit.

Errors

Menu item	Value	Name	Description
Error list	Fxxx č/26 h:m:s	-	Shows list of stored errors. First row shows code number of error Fxxx. Second row shows current operation time when error appeared.
Clear errors	Sure? YES	-	By activation and selecting YES all stored errors will be purged from the list. CAUTION: List of errors can be deleted by the authorized technician only.

Acknowledge error

If the menu item is active, all errors that occurred are acknowledged. Errors which must be acknowledged by service men are mentioned in the table of errors.

Operation time

Menu item	Value	Name	Description
Show op-time	h:m:s	-	This item shows current operation time in hrs:min:sec format
Reset op-time	Sure? YES	-	By activation and selecting YES operation time counter is cleared.

Factory default

Activation of this item restores all parameters to factory default. Factory default settings are underlined in lists.

Movement signalization – signal output

Menu item	Value	Name	Description
Signal ON/OFF	<u>OFF</u>	<u>Signalization off</u>	This parameter enables/disables outside signalization (output on clips W+, W-) for example LED-signalization
	ON	Signalization on during movement on the rail	
Frequency	1...8	fast→slow	Sets signal frequency. Applies for both buzzer and WARN output. 1 → Fast blinking/beeping 8 → Slow blinking/beeping 9 → permanent light/tone
	9	Permanent tone	
Buzzer ON/OFF	<u>OFF</u>	<u>Buzzer off</u>	This parameter sets presence of buzzer tone during the platform movement.
	ON1	Buzzer always on	
	ON2	Buzzer on during movement only with RF controllers	

Radio controller version

Menu item	Value	Name	Description
Radio version	<u>1</u>	<u>TX-OMDE-V-01 (Schmidiger)</u>	Allows radio module version setting.
	2	Reserve for other (future) type of radio controller	

Motor configuration

Menu item	Value	Name	Description
Overcurrent threshold settings			
Main drive	15...40 <u>30</u>	A	Sets overcurrent threshold for the main motor. After exceeding this threshold motor stops, "DRIVE MOTOR CURRENT LIMIT" error is shown on the display and signaled by LEDs on CU board.
Actuator 1 (not shown)	2...7 <u>3,4</u>	A	Not used yet
Actuator 2 (reserve)	2...7 <u>3,4</u>	A	Sets overcurrent threshold for seat rotation.
PWM speed settings:			
Full speed UP	50...100 <u>100</u>	% PWM	Sets maximum speed for drive up
Full speed DOWN	50...100 <u>80</u>	% PWM	Sets maximum speed for drive down
Slowdown UP	10...60 <u>50</u>	% PWM	Sets speed for drive up into station

Menu item	Value	Name	Description
Slowdown DOWN	10...60 <u>25</u>	% PWM	Sets speed for drive down into station
Curve UP	10...80 <u>75</u>	% PWM	Sets speed for drive up in curves (not in use for straight Stratos)
Curve DOWN	10...80 <u>75</u>	% PWM	Sets speed for drive down in curves (not in use for straight Stratos)

Options

Menu item	Value	Name	Description
Auto-close (AP) symbol on the display when this function is activated	<u>OFF</u>	<u>automatical closing OFF</u>	When this option is ON and platform is with fully opened barriers standing (not operated) in any station, platform CU closes floor and barriers after timeout.
	ON	Automatical closing ON	
Auto-close time	20...120	seconds	Timeout value for automatical floor closing.
Call opened (OP) symbol on the display when this function is activated	<u>OFF</u>	<u>RF controlled movement of the stairlift with the opened floor is FORBIDDEN</u>	When this option is ON, the stairlift can be operated with the opened floor also with the wall-mounted RF controllers (e.g. freight platform).
	ON	RF controlled movement of the stairlift with the opened floor is ALLOWED	

Error and operation diagnostic on the display

Error ID	Shown on display	Description
F101-113	Errors in relay and contacts	Main board failure – replace board

Following errors are recorded in EEPROM but they don't block operation of chair stairlift – don't need acknowledgement.

Error ID	Shown display text	Description
F201	EMERGENCY STOP SI: S7X	Emergency STOP-button
F202	Input S16 (and also S14 and S15) shorten	NOT IN USE
F203	OSG OVERSPEED SI: S10	Overspeed gear reacted during drive down, drive is now blocked mechanically
F204	Input S22U shorten	NOT IN USE
F205	DOWN/UP SAF.LIMIT SW SI: S22O	Down/up ultimate limit switch S22O is active – 1 switch for both directions → drive unit out of landing station with handwheel
F206	EMERG DRIVE SW SI: S8	Blocking during the emergency manual drive -> Remove handwheel
F207	RESERVE SAF.C.SW SI: SR	Check jumper of this input at CU's terminals
F301	SENSITIVE BOTTOM SI: S17	Sensitive bottom has been pushed while the stairlift was moving down
F302	DOWN SENS. PAD SI: S12/13,EKL/R	Sensitive pads and edges hit an obstacle in the direction down
F303	UP SENS. PAD SI: S12/13,EKL/R	Sensitive pads and edges hit an obstacle in the direction up
F401	OVERLOAD LIFT SI: SU	Overload of the chair stairlift – SU=1 switch is closed – currently not installed
F402	CURRENT LIMIT DRIVE MOTOR	Overcurrent detected on main drive M
F403	CURRENT LIMIT ACT1 – FOOTREST	overload/overcurrent detected on actuator 1 - footrest
F404	CURRENT LIMIT ACT2 - SEAT	Overload/overcurrent detected on actuator 2 – seat rotation
F405	EMPTY BATTERY STOP UP	Battery voltage dropped below 19.4 V, further up direction movement is blocked

Following errors are not recorded in EEPROM and they also don't block further operation of stairlift – don't need acknowledgement. They're shown as long as the error is present and corresponding control buttons are activated.

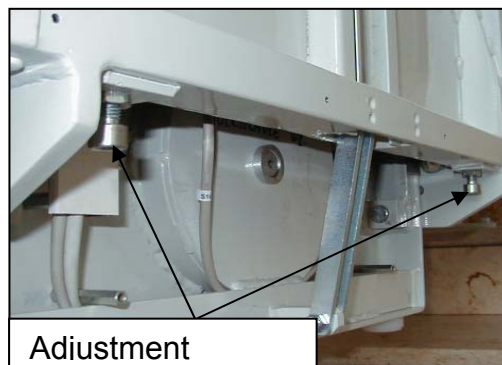
Display message	Description
BARRIERS OPEN SI: S11U	Signalizes fully opened state of the floor and barriers
PLATFORM CLOSED SI: S11O	Signalizes fully closed state of the floor and barriers
PLATF.NOT CLOSED SI: S11x	The platform floor is not fully closed
PLATF/BAR F.POS SI: S11x	Floor is currently not fully opened and barriers are not in horizontal position
BARR. NOT CLOSED SI: S11x	barriers are not in horizontal position
IN LOWER STATION SI: S28, A-S11U	Shows after reaching lower station with open platform
IN UPPER STATION SI: S27, A-S11U	Shows after reaching upper station with open platform
IN LOWER STATION SI: S28	Shows after reaching lower station with closed platform
IN UPPER STATION SI: S27	Shows after reaching upper station with closed platform
STOP DRIVE UP SI: S27	sensitive pad hit an obstacle during driving up
STOP DRIVE DOWN SI: S28	sensitive pad hit an obstacle during driving down
PLATF. UNDEF.POS SI: S11x nedef.	Controller is not able to evaluate the position of the floor
MAN-UNABLE AUT-S11x nedef.	this is standard message for manual platform which is not able to electrically operate floor and barriers
UNDEF.STATION SW SI: S27, S28, S29	if both S27 and S28 switches are opened further stairlift movement is blocked for any controllers excluding opening or closing of floor
EXCEED RUN TIME INTO STATION	Slowdown before station timeout has expired

Adjustment of the platform inclination

Change platform inclination only if really necessary (in case of not vertical wall fixing)!

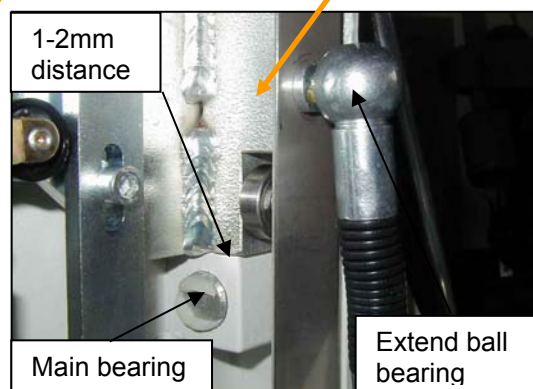
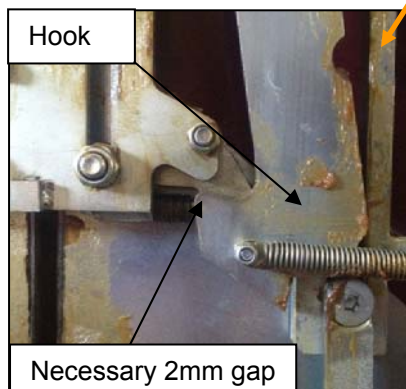
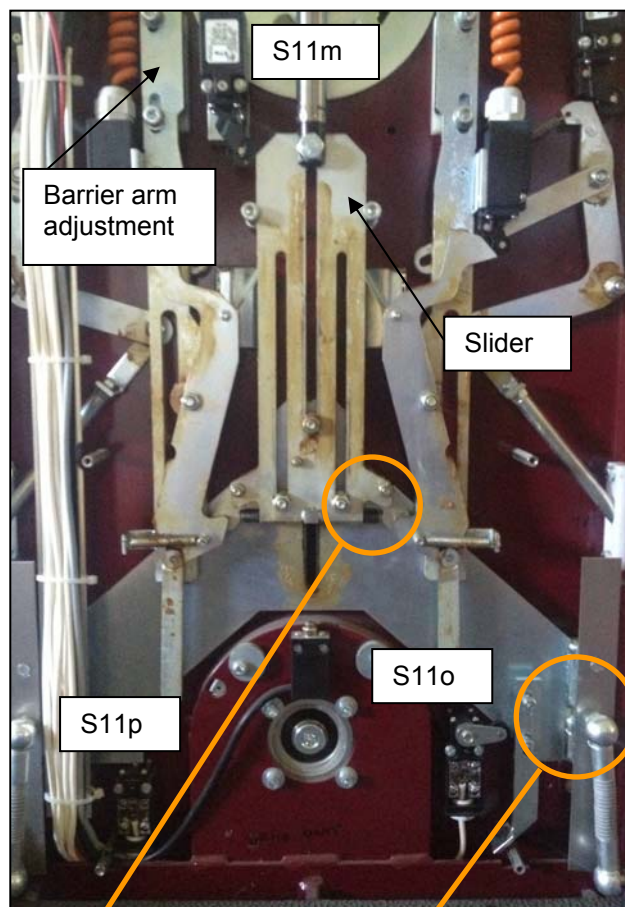
To adjust the platform horizontally, change the adjustment screws as shown in the picture. Check in loaded condition! Counter the adjusting screw with the counter nut after successful adjustment.

Caution: Check if **both** adjusting screws are supporting the platform!



After changing the platform inclination please check the platform mechanism:

- Between the hook and the slider should be around 2mm gap. This can be adjusted by moving switch S11m.
- S11p must be properly pressed when platform is open (it must click when pressed). Otherwise adjust.
- S11o must be pressed when platform is closed. Otherwise adjust.
- Between the main bearing and the platform sliding mechanism a minimum distance of 1-2mm must be given. This can be adjusted by changing the length of the ball bearing connection between the platform and the carriage. This is important so that mechanical force of the platform in an unfolded position is not directly carried forward to the mechanical parts inside the platform, but rather held by the adjusting screws!
- If barrier arms are not horizontal open the screw shown in the illustration, adjust the barrier and lock the adjustment with the screw again.



Configuration of the remote radio controls

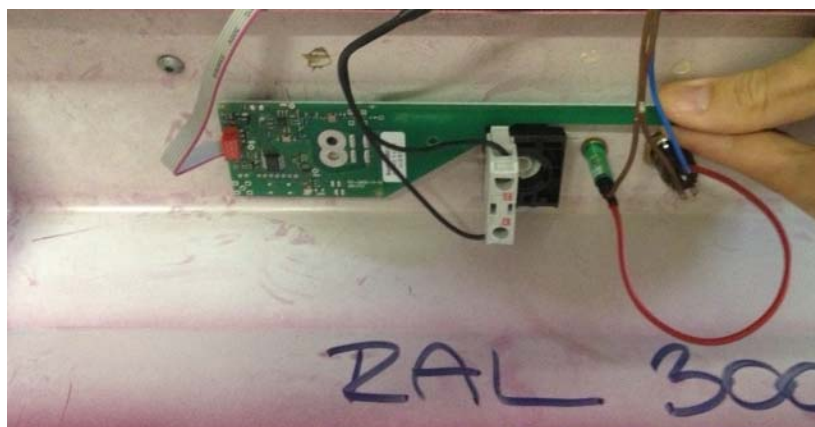
The remotes come programmed from factory. You normally do not need to programme them!

If still needed: To programme the remotes the button S1 on the control board (next to where the receiver board is connected) has to be pressed until the LED on the receiver start to blink.

Now the senders can be programmed. To programme a sender the up and down button on the sender have to be pressed simultaneously. Then the LED on the sender start to blink in orange for 2,5 second and then remains on in an orange light and then green light. Now the sender is programmed. Now the next sender can be programmed in the same way by pressing the 2 buttons simultaneously. To stop the programming mode the button S1 has to be pressed again and the action will be confirmed by the receiver by fast blinking of the LED.

The remote radio controls have different LED status indications. The below status refers to the radio control model TX-OMDE-V-01:

LED status	Description
Green light	Radio signal ok and drive command is active
Orange light	Radio signal ok and platform is not driving or folding A reason can be that the platform is driven from the platform control or that a safety circuit is open in the electrical system.
Red light	Radio signal is ok but the lift is not moved by the command.
Orange blinking	Radio signal is not ok – there is a disruption
Red blinking	The batteries of the sender are weak and should be changed
Green blinking	The sender was successfully connected to the receiver during programming



Dismantle the platform floor

In case the weight of the platform should be reduced or platform floor needs to be exchange please follow these instruction:

- Dismantle the ball bearing connection between sliding mechanism and platform
- Disconnect platform rod connection for sidewall
- Dismantle safety under-pan of the platform
- Disconnect spring inside platform floor. You might need to manually compress the spring in order to uninstall the connection. Make sure that the connection between the spring and the bearing is correctly put together afterwards. The connection metal parts have a slight bend. It is important for reassembly that they are put back in the same way.
- Disconnect the electrical wiring between the platform floor and the sidewall
- Disconnect fixing screw from the treaded pinhole of main platform hinge bearing
- Remove the main bearing pin and take off the platform floor

