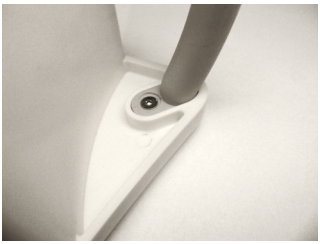
3. Access inside RisePorto

Only authorized technicians shall open the covers of RisePorto in order to get access inside RisePorto.
Operation shall be performed in a clean dust free environment and during use of EDS-protection.
Recommended is to take RisePorto down from the rail and place it on a workbench.
The two covers of RisePorto are opened by removing two screws at the handle and the two screws in the bottom, using Allen Key no. 2 and 2.5, see pictures below.
Pull the covers gently apart after removing screws and disconnect the wire harness connection by hand, see picture below.

Closing the cover,
Start by connecting the wire harness and also double check that all wirings are correctly attached on components. Close the two covers carefully and ensure that cables and wirings are not squeezed by covers. After covers are in place than attach screws using the Allen Key. Screws should be drawn to the extent that there is no gap between the covers.



4. Main parts RisePorto

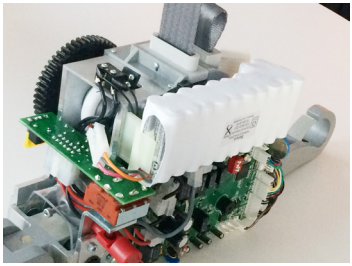
In order to get access to the main parts, please see chapter 3.
The main parts of RisePorto are:

1. Hand control

The RisePorto is turned Off/On with the hand control and also the lift movement Up/Down is controlled by hand control.
Please see chapter 9.1 Test and/or replace hand control.

2. Electrical system

a. Main Print Circuit Board (PCB),
The PCB controls functionality of RisePorto.
Please see chapter 9.3 Replace Circuit Board



b. Diagnostic circuit board,
The diagnostic card controls statistics of RisePorto.
Part of cover complete, please see chapter 9.4 for replacement.

c. Wire harness, motor and cover
The wire harness connects the different electrical components of RisePorto. Wire harness cover is part of cover complete, please see chapter 9.4 for replacement. Wire harness motor has component no.: 90003089

d. Micro switch up,
The micro switch up shuts off winding movement if hook hits the switch or if the lift strap twist or tilts. Component no.: 90001186

e. Micro switch down, 2 st,
The micro switch down shuts off winding movement when all lift strap is winded out and prevents the motor from winding the lift strap the wrong direction. Component no.: 90001430

f. Micro switch pre tension,
RisePorto needs to be pre loaded in order to be manoeuvred up or down and the switch secures that pre loading is applied. Component no.: 90001430

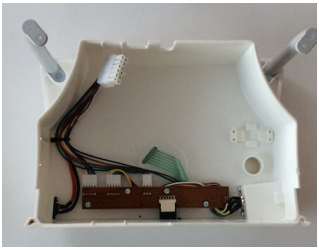
g. LED Indicator and key board,
It is possible to manoeuvre the lift Up/Down using the key board and LED-indicators shows battery status and service need. Integrated part of cover complete, please see chapter 9.4 for replacement.

h. DC-input Plug,
The external charger is connected to the DC-input plug. Integrated part of cover complete, please see chapter 9.4 for replacement.

i. Hand control input plug,
The hand control connects to the hand control input plug and it is a integrated part of cover complete. Please see chapter 9.4 for replacement.

j. Emergency stop,
The emergency stop device shuts off power between battery and PCB when activated. It also functions as an electrical emergency lowering when pushed all the way in. Integrated part of cover complete, please see chapter 9.4 for replacement.

k. Battery,
The battery of the RisePorto is a 26,4VDC NiMH environmental friendly battery with 2,7 Ah capacity. Please see chapter 9.2 Test and/or replace battery.



l. Fuses,
Bought separately, use only 10A.

3. Mechanical system

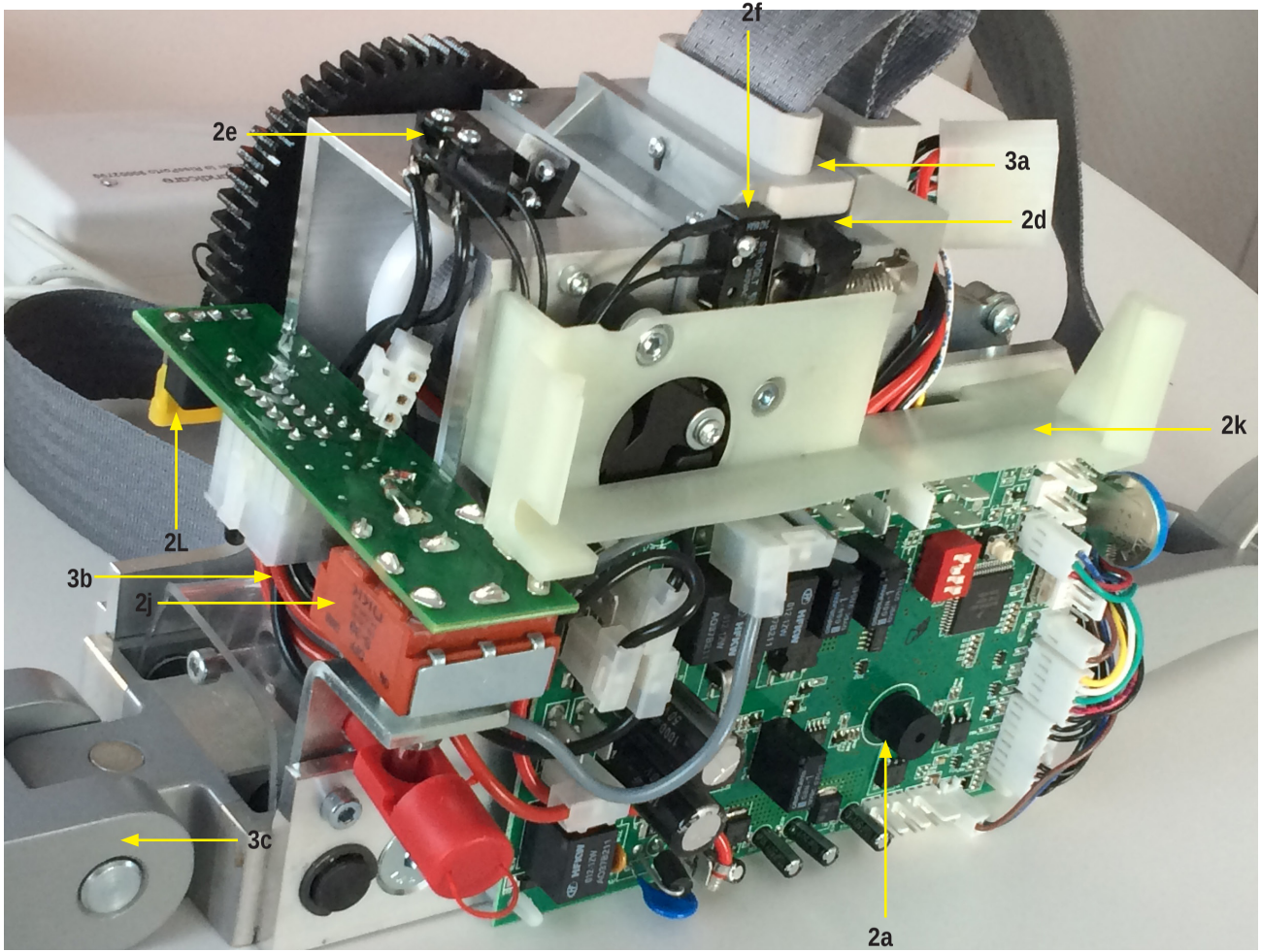
a. Lift Strap w. guiding,
Please see chapter 9.5 for replacement.

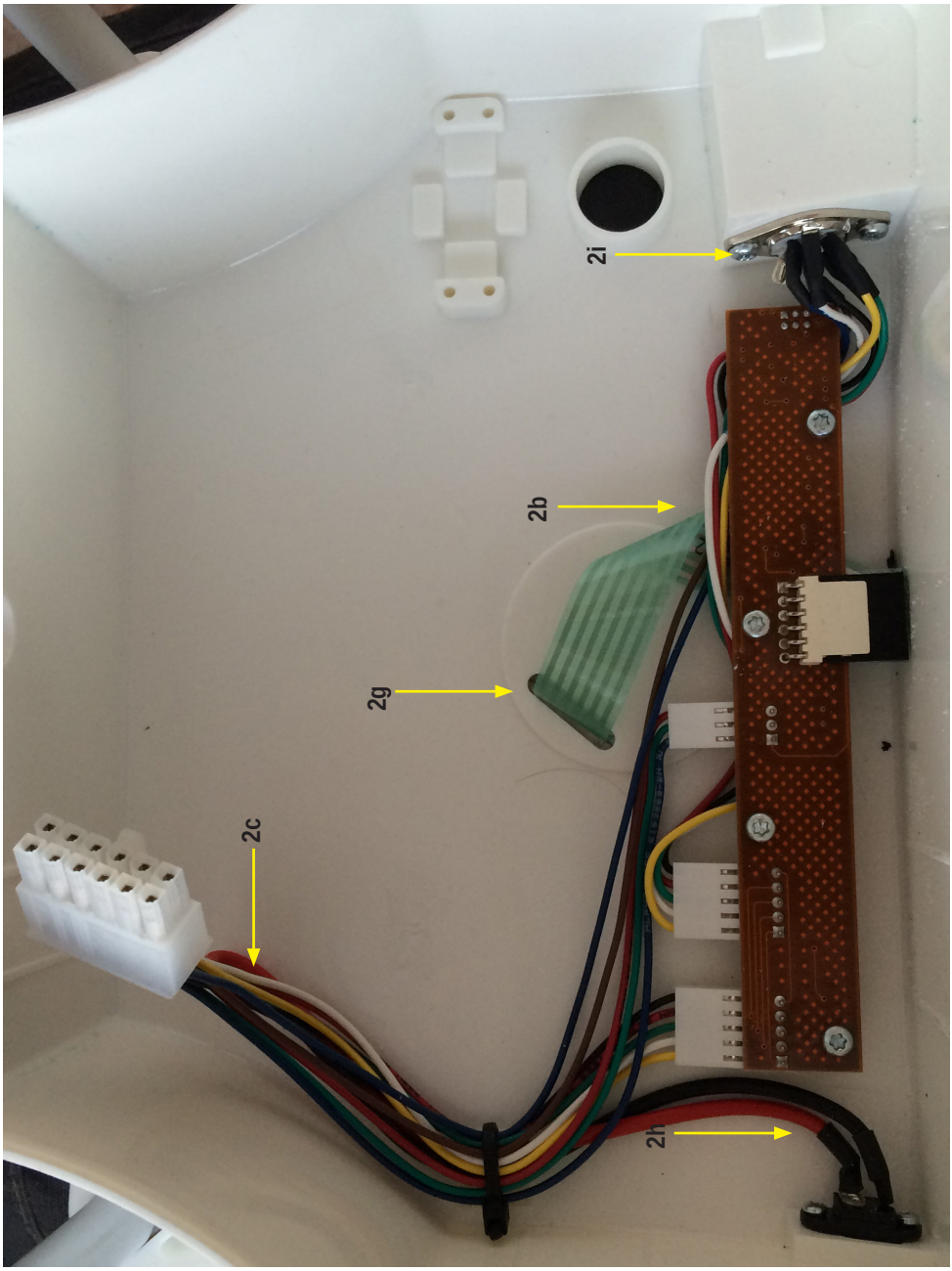
b. Motor w. chassis,
See component list, chapter 10, for replacement.

c. Attachment hooks,
See component list, chapter 10, for replacement.

4. Charger

The charger is a separate item and detailed function is described on the back side of the charger.


2f
2e
3a
2d
2k
2L
3b
2j
3c
2a


2i
2b
2g
2c
2h

5. Advanced trouble-shooting RisePorto

Only authorized technicians shall perform this operation on RisePorto and thorough understanding of the product is a must. Access inside RisePorto is described in chapter 3 and necessary tools are described in chapter 7.
It is understood that ordinary Trouble-shooting, please see chapter 1.4, has been performed before the advanced trouble-shooting starts.
Start the operation by Access Inside RisePorto, chapter 3.

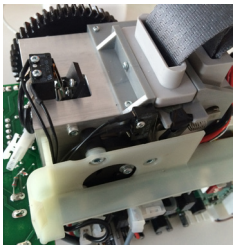
A. Check that all wirings are properly connected and also check that there is no visible damage to wires.
- Improper connection shall be corrected.
- Damage wiring shall be replaced.

B. Check fuses (10A) upon chassis and also battery fuse (15A).
- Bad fuse should be replaced and always use new 10A or 15A fuse. Littelfuse 257 XX/32V.

450	300
no:1 - ON	no:1 - ON
no:2 - OFF	no:2 - ON
no:3 - ON	no:3 - ON
no:4 - ON	no:4 - ON

C. Check the PCB for:
- Burn marks or burn odours.
o Bad PCB shall be replaced – see chapter 9.3.
- Check that all wiring connectors on the PCB are correct.
o Improper connection shall be corrected.
- Check that the DIP-switches on the PCB are correct, on RisePorto all switches should be set to.
o Improper DIP-switch positions are corrected.

D. Check limit switches for functionality by using a finger and voltmeter.
- The micro switch up is normally open (no signal) and when activated, by hook or tilted band, it should give a signal (closing) and stop winding movement.
o Bad switch should be changed.
- The micro switch down is normally closed (signal) and when closed, by end of strap (no winding left on drum), it should give no signal and stop winding movement.
o Bad switch should be changed.
- The micro switch pre tension is normally open (no signal) and when activated, by tension on the lift strap, it should give a signal and allow winding.
o Bad switch should be replaced.



When checking switches there might also be need for adjustment, especially for the micro switch down. Ensure that there are at least 2 laps, overlapping, of strap on the drum before micro switch down breaks the winding movement. More laps results in decreased lifting height of RisePorto.

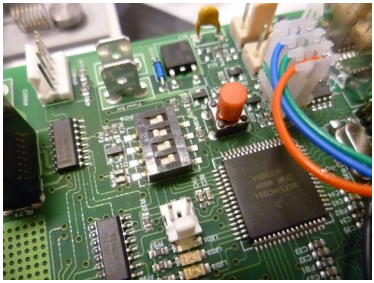
Above actions and measurements covers most of any potential electronic issues.
Also check that emergency switch moves correctly.
Mechanical movements are checked by running the motor and check:
1. Motor
2. Transmission gears.
3. Single - Fault gear.
All screws and bolts should be tightened. If there is no positive result of the advanced trouble shooting, please contact service support.

6. Resetting the service indicator

Only authorized technicians shall perform this operation on RisePorto and thorough understanding of the product is a must. Access inside RisePorto is described in chapter 3 and necessary tools are described in chapter 7.
The service indicator can be reset via hand control or via PCB-card.

Resetting the service indicator via hand control (need for 6-button hand control),
Ensure that power of the RisePorto is ON and then press simultaneously ON-button and both SIDE-buttons (all together 3 buttons) for 5 seconds. This will reset the service indicator.

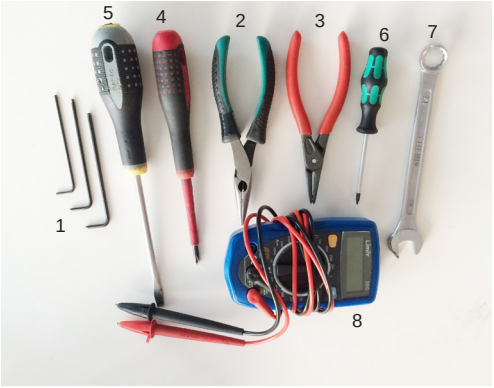
Resetting the service indicator via PCB-card,
Start the operation by Access inside RisePorto, chapter 3.
Ensure that power of the RisePorto is ON and then press the red button for 11 seconds. This will reset the service indicator.



7. Tool list RisePorto

These are the recommended tools to RisePorto in order to perform basic service:

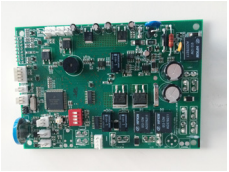
1. Allen key size 2, 2,5, 5
2. Pliers
3. Circlip pliers
4. Phillips Screwdrivers, small
5. Flat-bladed Screwdriver, small
6. Phillips screwdriver, x-small
7. Wrench
8. Voltmeter



8. Spare part list RisePorto

Spare parts no.	Article	Unit	Components
81000020	Battery, RisePorto	1 pce	1 x battery pack 3 x tape
81000043	Circuit board, RisePorto	1 pce	1 x circuit board
81000048	Lift strap, RisePorto	1 pce	1 x lift strap
81000023	Hand control 4-buttons, RisePorto	1 pce	1 x hand control
80100130	Hand control Tester Linak	1 pce	
81000046	Cover complete, RisePorto	1 set	2 x label PET silver 2 x casing 2 x casing empty 2 x handle bar 1 x emergency stop button 2 x tape cushion 3 mm 8 x screw 2,9x9,5 fz 6 x threaded insert 2 x screw 2,2x9,5 fz 1 x travel display 4 x screw M3x6 fz 2 x screw M3x30 fz 1 x keyboard 1 x label Handicare round 1 x O-ring 3x3,0 1 x O-ring 7x5,0 2 x screw 2,9x4,5 1 x hex nut for Apem 1 x switch cable RisePorto
81000010	Hex key 3 mm	1 pce	1 x 6-hex key
81000012	Charger, RisePorto	1 pce	1 x Charger
81000021	Safety latches, RisePorto	1 pair	1 x Hook safety latch

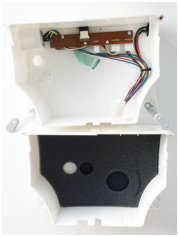
81000020



81000043

81000022

81000023



81000024

81000021

9. Changing spare parts RisePorto

9.1 Test and/or replace hand control, spare part no: 81000023

Test and/or replacement of hand control can be performed without opening the RisePorto cover.

Unplug the hand control from the lift unit by pulling and wiggling the connection plug by hand.

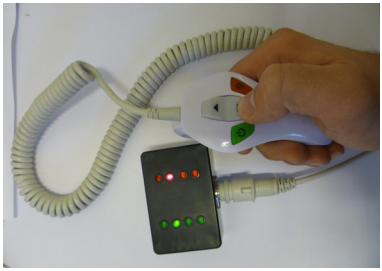
- Check that the entire hand control cable is free from damage and that connection grommets are intact.
- Check that no pins are broken or bent in the connection plug.
- Make a functional test of the hand control using:
    - o another RisePorto lift unit or;
    - o test box according to pictures.

A bad hand control should be replaced and spare part number is 81000023.

Attach the new hand control by pressing it firmly into the lift unit and ensure that the connector reach the bottom.

A functional test, see chapter 2.3.2 shall be performed of RisePorto to ensure proper function and notes of change should be presented in the lift unit log.

The bad hand control is recycled through nearest recycling station.



9.2 Test and/or replace battery, spare part no: 81000020

Before testing and/or replacing batteries, ensure that proper charging has been made according to manual. Correct charging should be indicated with LED on both display and charger unit when charger is attached. Important is that emergency stop is out (not activated) and that charging procedure has been made for at least 30 minutes. RisePorto shall be fully functional after charging and a green LED indication shall appear on the display. If RisePorto after charging is indicating low voltage, an audible alarm sound together with orange LED indication on the display, the batteries of RisePorto should be tested and/or replaced.

In order to test and/or replace batteries there is a need to open the RisePorto cover, see chapter 3 Access Inside RisePorto.

Handling of battery and other electronics shall be performed with caution and the use of ESD protection.

After removing the RisePorto cover, check the following;

- all cables and connectors are correct attached.
    - o If loose connector is found, attach correctly and reassembly the RisePorto covers.

- disconnect the wiring of the battery by disassemble the connector terminal, see picture.
    - o Measure cross the Black and Red wire on the battery side, should be 26 – 27 VDC if fully charged.
- attach the charger to the RisePorto unit and check charger voltage;
    - o Measure cross the Black and Red wire, should be 39 – 41 VDC when the charger is attached.

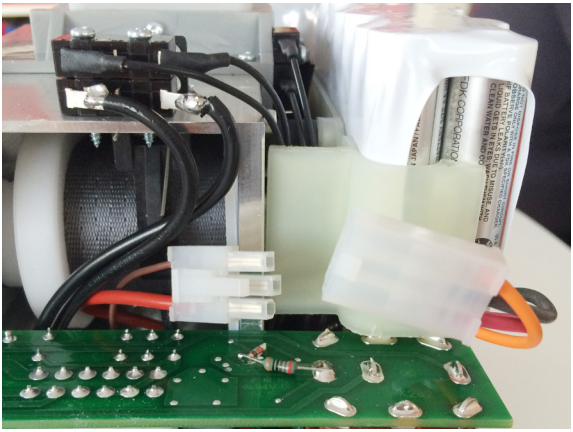
If there is correct charger voltage and low battery voltage – replace the battery with new battery, spare part no: 81000020.

Attach the new battery according to picture and connect terminal. The old battery can be recycled at a recycling station as a NiMH-battery, environmental friendly.

Before reassembly the RisePorto covers, ensure that all connectors are correctly attached and that there are no obstacles.

Set RisePorto on charge for at least 30 minutes and make a functional control of the lift unit according to chapter 2.3.2. Notes of change should be presented in the lift unit log.

Please contact customer service if there are further issues regarding the battery change.



9.3 Replace circuit board, spare part no: 81000043

The board Flex-CTH_V2-05B is delivered with the available program **version 2.54**.

9.3.1 Replace circuit board for RisePorto,

The spare part circuit board, 81000002, is the latest version provided and this version covers all RisePorto in the market. There is a need for updating the cables (hardware) for older versions of RisePorto and upgrade kit is included in this spare part.

In order to replace circuit board the covers need to be open, see chapter 3 Access Inside RisePorto of the service manual. Handling of all electronics shall be performed with caution and the use of ESD protection.

Identifify your RisePorto,

RisePorto article number and serial number is printed on the cover of lift unit.

RisePorto450 (art.no: 50200015) –

Your serial number ≥ (newer) than s/n 521110132, please see instruction 2a).

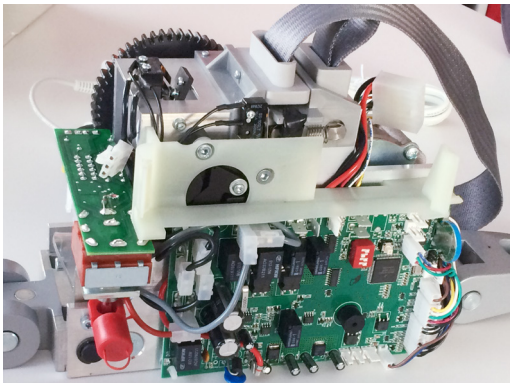
Your serial number < (older) than s/n 521110132, please see instruction 2b).

RisePorto300 (art.no: 50200016) –

Your serial number ≥ (newer) than s/n 521210001, please see instruction 2a).

Your serial number < (older) than s/n 521210001, please see instruction 2b).

1a) Change of circuit board RisePorto,



The picture shows an example of RisePorto300 circuit board. Important is to disconnect and connect all wirings properly – use marking if necessary.

After removing the RisePorto cover, please check and perform the following operations:

- Check if all cables and connectors are correct attached.
- If loose connector is found, attach correctly and reassembly the RisePorto covers. Check functionality in order to establish if it is necessary to change PCB.
- Disconnect the battery or take away the fuse. Important that the power supply is disconnected.
- Remove the old PCB-card from the RisePorto by:
- disconnecting all wirings from PCB-card.
- Take away the old PCB-card by pressing the plastic clips and leave the plastic clips.
- Attach the new PCB-card, spare part no: 81000043, by;
- Use the existing plastic clips and ensure correct connection.
- Attach wiring according to disassembly.
- Ensure correct DIP-switch configuration.
- Attach the battery and make a functional check before closing the cover of lift unit.

If everything is OK and functional – please carry on with testing.

If NOT – problems are to be found elsewhere. Please contact customer service.

- Before reassembly RisePorto covers, ensure that all connections are correctly attached and that there are no obstacles.

A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed on RisePorto to ensure proper function and notes of change should be presented in the lift logbook.

9.4 Replace cover complete, spare part no: 81000046

In order to replace circuit board there is a need to open the RisePorto cover, see chapter 3 Access Inside RisePorto.

Handling of electronics shall be performed with caution and the use of ESD protection.

The two covers, spare part no: 81000024, are complete in its delivery (except for battery),

Remove the old covers according to “Access to RisePorto”.

Disconnect the harness of the old cover and also remove the battery, to be reused.

Assemble the old battery to the new cover and connect the harness.

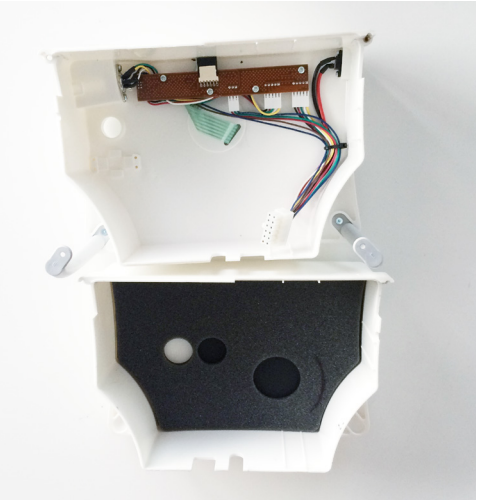
Make an initial function test before closing the cover.

Before reassembly the RisePorto covers, ensure that all connectors are correctly attached and that there are no obstacles.

A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed of RisePorto to ensure proper function and notes of change should be presented in the lift logbook.

With the new cover there is also a new label of the RisePorto and technician shall transfer the RisePorto serial number to the new label.

The old parts can be recycled at the nearest recycling station

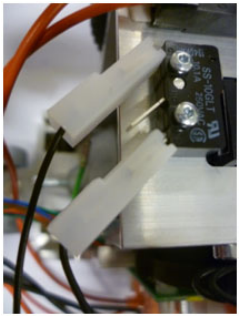


9.5 Replace lifting strap, spare part no: 81000048

In order to replace lifting strap there is a need to open the RisePorto cover, see chapter 3 Access Inside RisePorto.

Place the RisePorto on a working table and use the DOWN button to run out as much strap as possible.

Check the lift strap drum from the side (should be winded) and run the drum, by pressing limit switch and DOWN button simultaneously, in order to get the last bit of strap out. A small gap will prove itself when in position, see picture.



Small gap and limit switch.

Demount the old strap from the drum using a small screw driver and pliers and finally pull out the strap through the strap guide.

Assemble the new strap, spare part no: 81000022, by threading the end of the strap through the strap guide and through the strap drum shaft.

Wind the strap to drum by pressing UP button.

Check the lower limit, end of drum, and ensure that there are at least 2 laps of strap on the drum before limit switch brakes winding movement.

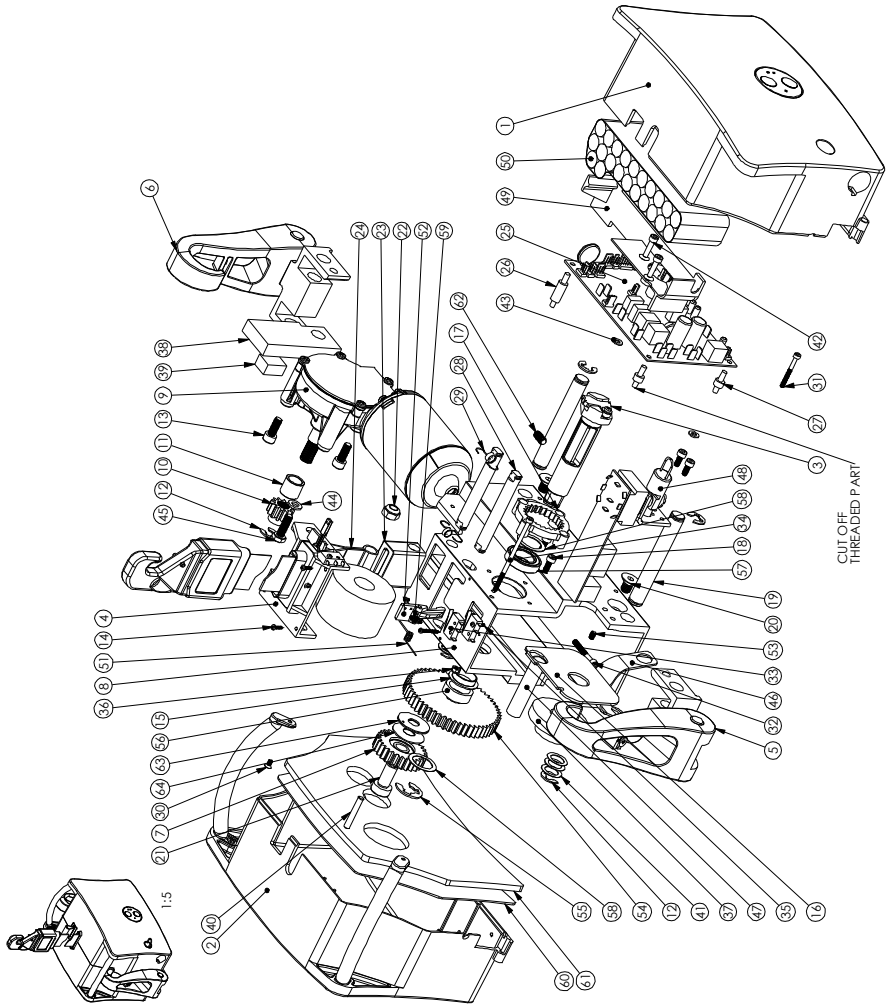
Before reassembly the RisePorto covers, ensure that all connectors are correctly attached and that there are no obstacles.

A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed of RisePorto to ensure proper function and notes of change should be presented in the lift logbook.

The old parts can be recycled at the nearest recycling station.

10. Component list RisePorto

ITEM NO.	DOCUMENT NO.	REV	TITLE	QTY
1	9000209	02	Stram casing seam	1
2	9000209	02	Stram casing empty seam	1
3	9000317	02	Emergency brake bracket assembly	1
4	9000186	06	Stram limit switch to arm	1
5	9000143	02	Stram hook assembly left	1
6	9000149	02	Stram hook assembly right	1
7	9000147	02	Stram cross tube	1
8	9000121	02	Stram chassis	1
9	9000150	01	Stram electric motor 1562926C	1
10	9000129	01	Stram gear kit 2312	1
11	9000614	01	Motor housing	1
12	9000615	01	Motor gear 1993	5
13	9000610	01	ISO 4762 M12 X 85 A4-A4 A70	2
14	9000143	01	Screw M1 ISO 4762-C-2.5X 8 Stb	3
15	9000153	01	Stram lift hook shaft bushing	1
16	9000003	01	Stram omega stem	1
17	9000005	01	Stram omega stem slide rubber ring	1
18	9000453	01	Screw ISO 4762 M8X40 Stb self locking	4
19	9000157	01	Stram hook mount shaft	1
20	9000193	01	Screw M5X8 DIN 7991 10.9 Xtb 21stb	2
21	9000154	01	Stram seat plate 2312 / 1 Stm18620	1
22	9000205	03	Stram seat plate 2312 Stb	1
23	9001168	01	Stram side mount	1
24	9000215	01	Stram side strap	4
25	9000408	01	RisePorto PCB main board	1
26	9000419	01	Screw M3 ISO 7045 A4-A4 Stb 1735500018	1
27	9000119	01	Circuit board holder 3Pin 100 1845000018	3
28	9000308	01A	Stram steering shaft pin bolt	2
29	9000312	01	Stram tension spring	2
30	9000445	01	Screw M4X6 DIN 7991 8.8 A4Xstb	2
31	9000450	01	Screw M5X8 DIN 7991 8.8 A4Xstb	2
32	9000170	01	Screw M5X8 DIN 7991 8.8 A4Xstb Red	2
33	9000420	01	Micro switch Omron SS-5GL2A1	2
34	9000826	01	Screw M2.5X8 DIN 7981 8.8 A2Xstb	1
35	9000943	01	Screw M3X8 DIN 965 A2 Xstb	2
36	9000423	01	Screw M3X8 DIN 7991 8.8 A4Xstb	1
37	9000862	02	Stram lift hook shaft ring	1
38	9000821	01	Stram counter weight	1
39	9000308	01	Stram hip cushion	1
40	9000214	01	Stram lift hook pin	1
41	9000418	01	Screw M4X8 DIN 7991 A2 Stb Red	4
42	9000212	03	Screw M5X8 DIN 7991 8.8 A4Xstb	2
43	9000500	01	Washer DIN 125 A5 A4Xstb	2
44	9000926	01	Washer DIN 125 A4 Xstb	1
45	9000424	01	Protection plastic cover	1
46	9000824	01	Protection plastic bell	1
47	9000351	01	Steering rail	1
48	9000377	04	RisePorto toggle switch cosm	1
49	9000305	01A	Battery holder	1
50	9000306	02	Stram battery plate, Mobil	1
51	9000304	01A	Stram board pack 2x2x60	1
52	9000344	01A	Stram board	1
53	9000804	01	Screw M5X8 DIN 913 A4Xstb	1
54	9000808	02	PEC Polygon piece 201 3254	1
55	9000142	01	Castor set 1845099 12	1
56	9000115	01	Stram lift hook 1845099 12	1
57	9000910	01	Rolling bearing 619/5-2Z DIN 625 1 N7	1
58	9000909	01	Shim washer DIN988 18x26x0.5	3
59	9000306	01	Stram battery plate, Mobil	2
60	9000316	01	Stram cover board 2 mm	1
61	9000913	01	Screw M3X8 DIN 7991	1
62	9000911	01	Screw M5X8 DIN 913 8.8 A4Xstb	1
63	9000819	01	Washer BK 13 F 10x28x1.5	1
64	9000843	01	Disc Spring DIN2093 28x10.2x1.75	1



11. Inspection RisePorto

Inspection of shall be performed by authorized personnel and inspections are to be made at the following scenarios.

- **First-time inspection** – inspection to be performed when first-time installation or first-time assembly has been made to equipment. Inspection includes all categories below.
- **Periodic inspection** – inspection to be performed annually at least every year on the equipment. Inspection includes all categories below.
- **Verification inspection** – inspection to be performed when essential spare parts have been changed and necessary inspection is stated in chapter 9.

Note!

Any observations, including defects and damage, of importance for the safety of the hoist should be noted in the RisePorto logbook which should be retained by the person responsible for the servicing/maintenance of the RisePorto. Also the date when corrective actions are taken, in response to noted observations, should also be noted in the logbook.

Defects and damage should be reported back to the manufacturer for action and this feedback should be reported in the logbook.

Every inspection performed on the RisePorto shall be noted in the RisePorto logbook and a record, such as Inspection list chapter 11.1, shall be included. The inspection record should be retained safely for examination in the event of an incident.

If inspection reveals any effect, wear or other damage that jeopardizes the safety of RisePorto, the owner should immediately be notified. In the event of immediate danger to safety, the RisePorto should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

A checklist for the inspection is presented in section 11.1 The different inspection categories contain.

A. Ocular inspection of RisePorto,

0. Inspect the lift for signs of wear and damage.
1. Check the entire length of the strap for signs of damage and inspect seams for wear.
2. Check cables and connections for signs of any wear and correct connection.
3. Check any user notes regarding reported errors in logbook.
4. Check correct labelling and marking of equipment.
5. Check that necessary documentation, manual and service manual and logbook, is available for the lift.
6. Check that the lift works in a correct environment, absence of water and no flammable area.

B. Functionality testing of RisePorto,

0. Check start and stop functions.
1. Check charge level and charging function.
2. Check to ensure that hand control markings are consistent with lift functions.
3. Check up/down function and transfer movement (if applicable).
4. Check movement in overhead system.
5. Check limit switch functions.

C. **Safety testing of RisePorto,**

0. Emergency stop device.
1. Emergency lowering, mechanical and electrical.
2. Check all connection points, both to trolley (attachment hook) and to sling (sling bar hooks), and safety latches.

D. **Load and speed testing of RisePorto (performance),**

0. Every First-time and periodic inspection shall include a working load test (safe working load) of one (1) lifting cycle with the maximum load.
1. Check that maximum speed up/down of the lift is not exceeded. Maximum 0,25 m/s unloaded and maximum 0,15 m/s loaded.

E. **Overhead systems,**

1. Check that there are no signs of wear or damage on the overhead system structure (ceiling, wall mounted, upright supports) and particularly load bearing structure.
2. Check screws, bolts and nuts that they are correctly assembled and attached according to Installation manual.
3. Check functionality and movement of system, traverse or single rail.
4. Check to ensure that the rail system is equipped with functional end stops.
5. Check that RisePorto Trolley is correctly attached and functional.
6. Check labelling of equipment.
7. Check that overhead system documentation, Installation manual, is available.
8 Customer have received a training in operation and charging routines.
9 Photograph all installations and the areas surrounding the installations.
10 Clean the overhead system and working area.
11 Accessories.
12 Every First-time installation and periodic inspection of an overhead system structure shall include a load test according to (Weight testing procedure).

Overhead systems shall be installed, separate operation, according to Installation manual and copy of Installation certificate shall be found in logbook.

11.1 Inspection check list RisePorto

Lift type:

s/n:

Version:

Prod. year:

Contract no.:

Name:

Address:

Type of inspection: First-Time Inspection ☐

Periodic Inspection ☐

Verification Inspection ☐

		A. Ocular inspection of			**D. Load and speed testing of (performance)**
0		Wear and damage.	0		Test load
1		Strap	1		Speed up/down
2		Cables and connections			
3		Reported errors			**E. Overhead systems**
4		Correct labelling	1		Wear or damage
5		Documentation	2		Screws, bolts
6		Environment	3		Functionality
			4		End stops
		B. Functionality testing of	5		Trolley
0		Start and stop	6		Labelling
1		Charge	7		Installation manual
2		Hand control	8		Operation and charging routines
3		Up/down function	9		Photograph
4		Movement	10		Cleaning
5		Limit switch	11		Accessories
			12		Weight testing procedure
		C. Safety testing of			
0		Emergency stop			
1		Mechanical and electrical			
2		Connection points			

In accordance with ISO 10535:2006 Annex A-Periodic inspection

Date of inspection: _____ Test-loaded with: _____

Sign installer: _____

Sign Customer: _____

12. Maintenance RisePorto

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Handicare's service manual.
Repairs and maintenance may only be done by authorized personnel using original spare parts.

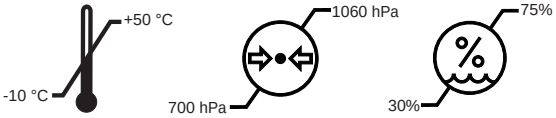
Used batteries are to be left at the nearest recycling station. Used batteries can also be returned to Handicare or a Handicare dealer for recycling.

Cleaning/disinfection

If necessary, clean the lift with warm water or a soap solution and check that the castors are free from dirt and hair. Do not use cleaning agents containing phenol or chlorine, as this could damage the aluminium and the plastic materials. If disinfection is needed, 70 % ethanol, 45 % isopropanol or similar should be used.

Storage and transportation

If the lift is not to be used for some time or e.g., during transport, we recommend that the emergency stop button be pressed in. The lift should be transported and stored in -10 ° C to + 50 ° C and in normal humidity, 30% -75 %. The air pressure should be between 700 and 1060 hPa. Let the lift reach room temperature before the batteries are charged or the lift is used.



Service agreements

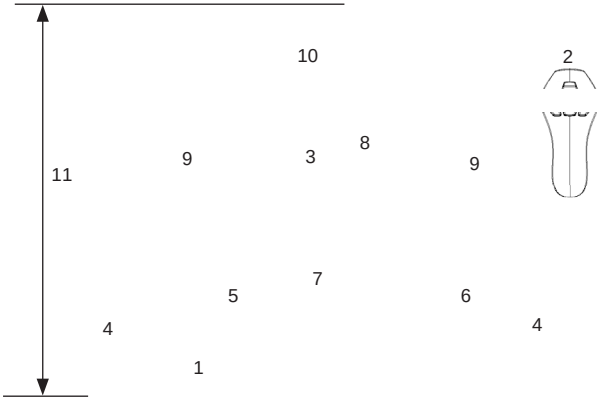
Handicare offers service agreements for maintenance and regular testing of your lift unit. Contact your local Handicare representative.

13. Technical information RisePorto

Lift motor	24VDC
Lifting speed	30 mm/s (1.2 inch/s) without load
Charger IN	Mascot 2215 100-240VAC/ 50-60Hz Max 0.4A, art. no:81000012
Charger OUT	41 VDC ±0,3 Max 0.4A
Batteries	26.4 VDC (22 pcs. 1.2 VDC) 2.7 Ah. NiMH22XAA2500 HR-3U-2500
Motor cover	Non flammable ABS plastic
Hand control	Electrical, 4 buttons
Emergency lowering	Manual and electrical
Lift weight	5.8-6.0 kg, 12.8-13.2 lbs
Lifting range	1700 mm, 66.9 inch
SWL RisePorto450	205 kg, 450 lbs
SWL RisePorto300	140 kg, 300 lbs
Sound level	Unload: 55 dB, Max load: 57 dB
Pressure hand control	4 N
Lift measurements	288 x 152 x 153 mm, 11.3 x 6.0 x 6.0 inches
Intermittent operation	Op 10/90, active op. max. 2 min. Out of a time of 100, active time must be less than 10, though not more than 2 min.
IP class, lift unit	IP X3
IP class, hand control	IP X4
Expected lifetime	10 years

Medical Device Class I. The product complies with the requirements of the Medical Devices Directive 93/42/EEC.

Detailed description



1. Outlet for hand control
2. Hand control
3. Lift strap
4. Sling bar with safety latches
5. Emergency stop and electrical emergency lowering
6. Manual emergency lowering/raising
7. Control panel
8. Room transfer loop
9. Carrying handles
10. Hook
11. Build in height: 270 mm/10.6 inch

Symbols

	Read user manual
	May not be discarded in domestic waste
	The product complies with the requirements of the Medical Devices Directive 93/42/EEC.
	Type B, according to the degree of protection against electric shock.
	The device is intended for indoor use.
	Class II equipment
	Always read the user manual

EMC

This equipment/system is intended for use by healthcare professionals only. This equipment/system may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures, such as reorienting or relocating the equipment/system or shielding the location.

Serial number

14. Logbook RisePorto

- RisePorto450 50200015
- RisePorto300 50200016

Start by fill in the **Installation Certificate Overhead Systems** as soon as the equipment is installed and important is that the installer/service technician signs the document.
Detailed descriptions for service, maintenance and inspections can be found in Manual and Service Manual.

Note!
Any observations, including defects and damage, of importance for the safety of the hoist should be noted in the RisePorto logbook which should be retained by the person responsible for the servicing/maintenance of the RisePorto. Also the date when corrective actions are taken, in response to noted observations, should also be noted in the logbook.
Defects and damage should be reported back to the manufacturer for action and this feedback should be reported in the logbook.
Every inspection performed on the RisePorto shall be noted in the RisePorto logbook and a record, such as Inspection List chapter 11.1, shall be included. The inspection record should be retained safely for examination in the event of an incident.
If inspection reveals any effect, wear or other damage that jeopardizes the safety of RisePorto, the owner should immediately be notified. In the event of immediate danger to safety, the RisePorto should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

Installation Certificate Overhead Systems

Installation date:..... Order.no: ..... Sign installer:.....Sign customer:.....

Installation address:

Customer : .....Telephone:..... **Date/Year:.....**

Address:.....

Lift	*RiseAtlas 450M/T/Q*	*RiseAtlas 625M/T*	*RisePorto*	*Reda*	*Serial.no:*	*Delivery date*	*Test Load (X)kg*
Other							

Railsystem: MilkyWay	*Other*	*In concrete ceiling*	*With wooden beams*	*With wall brackets*	*With Vertical Support*	*Other*	*Test Load (X)kg*
Railsystem: Other							
Straight Rail							
Straight Rail with Curve							
Traverse system							

As responsible installer I hereby declare that this object is installed with EN ISO10535: 2006 certified products . The installation is made with Handicare certified partners for MilkyWay railsystem. Every First-time Installation and Periodic Inspection of an overhead system structure shall include a load test according to (Weight testing procedure). The system has been approved (Yes)

Logbook:

Observation (by the user or technician): ……..
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……..
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……..
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……..
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician): ……
Corrective action (service or maintenance): ……
Inspection: □ First-time Inspection □ Periodic Inspection □ Verification Inspection

Date:..... Custom.no: ..... Order.no: ..... Equip.no: .....

Lift has been approved (Yes/No) Remarks:

Performed by:.....Sign customer:.....

SystemRoMedic™

Simple solutions for great results

SystemRoMedic™ is the name of Handicare's unique easy transfer concept, the market's widest and most comprehensive range of clever, easy-to-use and safe transfer and lifting aids designed to make life easier, both for the user and for the caregiver. SystemRoMedic™ is a complete solution that provides for the majority of patient transfer or manual handling requirements. From the simplest to the most complex scenarios, from the lightest to the heaviest. The concept encompasses assistive devices for four different categories of transfers:

- Transfer, assistive devices for manual transfers of users between two locations.
- Positioning, assistive devices for manual repositioning of users within the same location.
- Support, assistive devices for mobility support e.g., during sit-to-stand or gait training.
- Lifting, assistive devices for manual and mechanical lifting of users.

Improved work environment, improved quality of care and cost savings

The philosophy behind SystemRoMedic™ is focused on the prevention and reduction of occupational injuries while allowing users to experience a greater sense of independence and dignity. Through a unique combination of training and a complete range of efficient transfer aids, SystemRoMedic™ offers improvement of both work environment and quality of care and, at the same time, achieves significant cost savings.

Always make sure that you have the correct version of the manual

The most recent version of all manuals are available for downloading at/from our website; www.handicare.com.

For questions about the product and its use

Please contact your local Handicare and SystemRoMedic™ representative. A complete list of all our partners with their contact details can be found on our website; www.handicare.com.

Handicare offers solutions and support to increase the independence of disabled or elderly people as well as to improve the convenience of those who are caring for them.

The Handicare Group is one of the leading healthcare companies in Europe with its own manufacturing organizations and sales companies in Norway, Sweden, Denmark, Germany, the Netherlands, Great Britain, France, China, Canada and the USA. Handicare's products are also distributed by partners in more than 40 countries worldwide. Our wide range of high-quality products includes a complete easy transfer system and other patient handling aids, stairlifts, car adaptations and bathing and toileting products.

handicare

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Handicare AB is quality and environmentcertified in accordance with ISO 9001, ISO 13485 and ISO 14001.