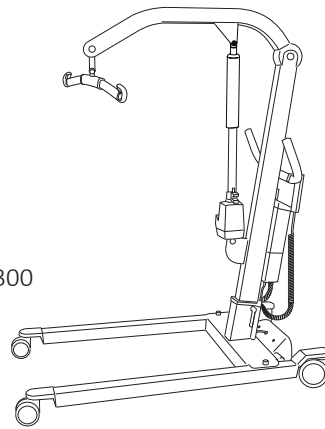


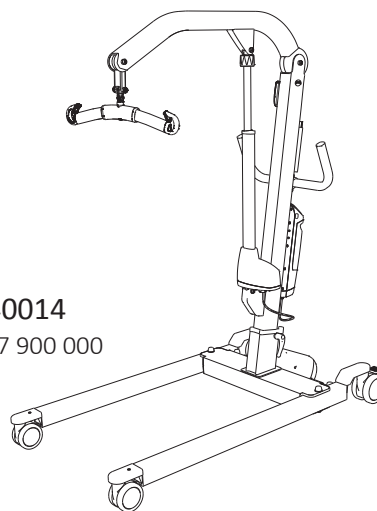
Viking™ L

Mobile Lift

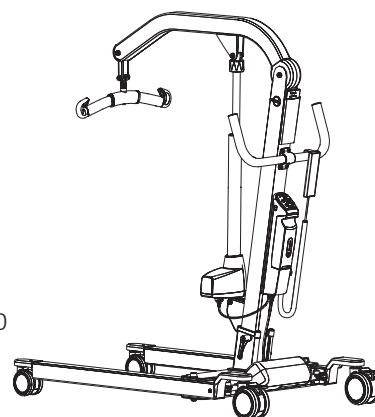
Service Manual



Prod. No. 2040004
S/N 7 200 201- 7 300 300
DISCONTINUED 2013



Prod. No. 2040014
S/N 7 800 001- 7 900 000



Prod. No. 2040034
S/N 9 300 001- 9 400 000

Spare part statement

Liko AB will as a manufacturer of stationary & mobile lifts keep spare parts available for 10 years after the last manufacturing date of the product.

Spare parts are available in the spare parts list or in the Service Manual for each model of lift.

Components (manufacturing parts) are not available after last manufacturing date.

Repairs and maintenance may only be performed by personnel authorized by Hill-Rom and using original Liko™ spare parts.

For information regarding Service and Maintenance education, contact your Hill-Rom representative.

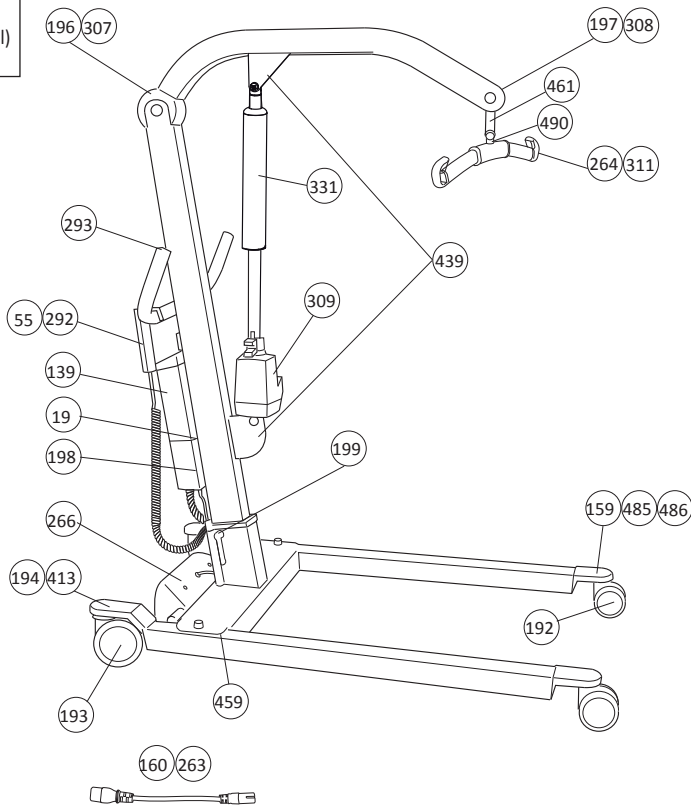
For contact information please visit our website: www.hill-rom.com | www.liko.com

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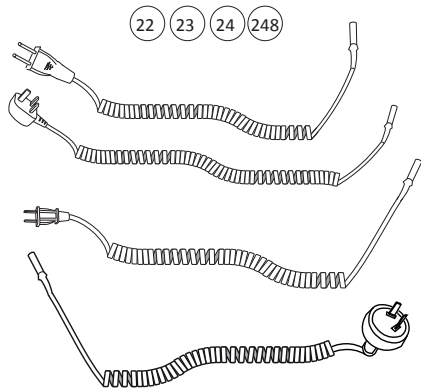
Spare Parts Positions Viking™ L mobile lift

PROD. NO.	PRODUCT
2040004	Viking L (Discontinued 2013)
2040014	Viking L (with intelligent control box)
2040034	Viking L (with intelligent control box and cable hand control)

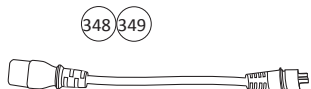
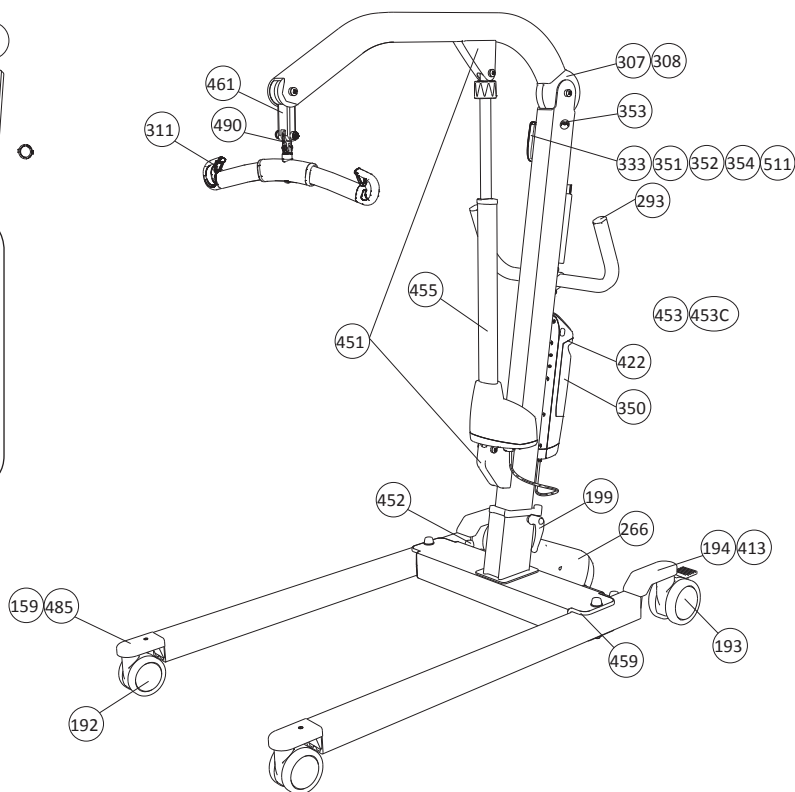
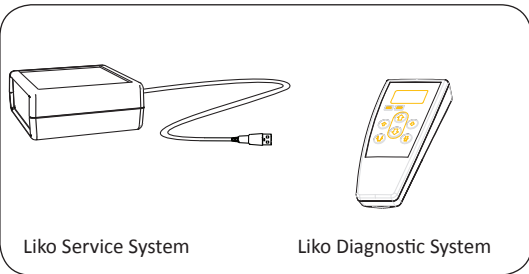
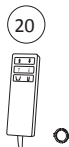
Product No. 2040004 (S/N: 7 200 201 - 7 300 300)



Fits Viking L, all models:



Product No. 2040014 (S/N: 7 800 001- 7 900 000) 2040034 (S/N: 9 300 001- 9 400 000)



Technical Data

Prod. No. 2040004

Lifting speed: 3.5 cm/s (0.8 inch./s) without load

Batteries: Two 12 V, 2.9 Ah, valve-regulated lead-acid gel-type batteries. New batteries are provided by the supplier.

Battery Built-in charger, 100-240 V AC, max 400 mA

Motor (mast): 24 V, 10.8 A, permanent magnetic motor with mechanical safety mechanism, safety nut and outer tube.

Motor (base): 24 V, 5.5 A, permanent magnetic motor.




Material: Aluminium

Emergency lowering: Mechanical and electrical

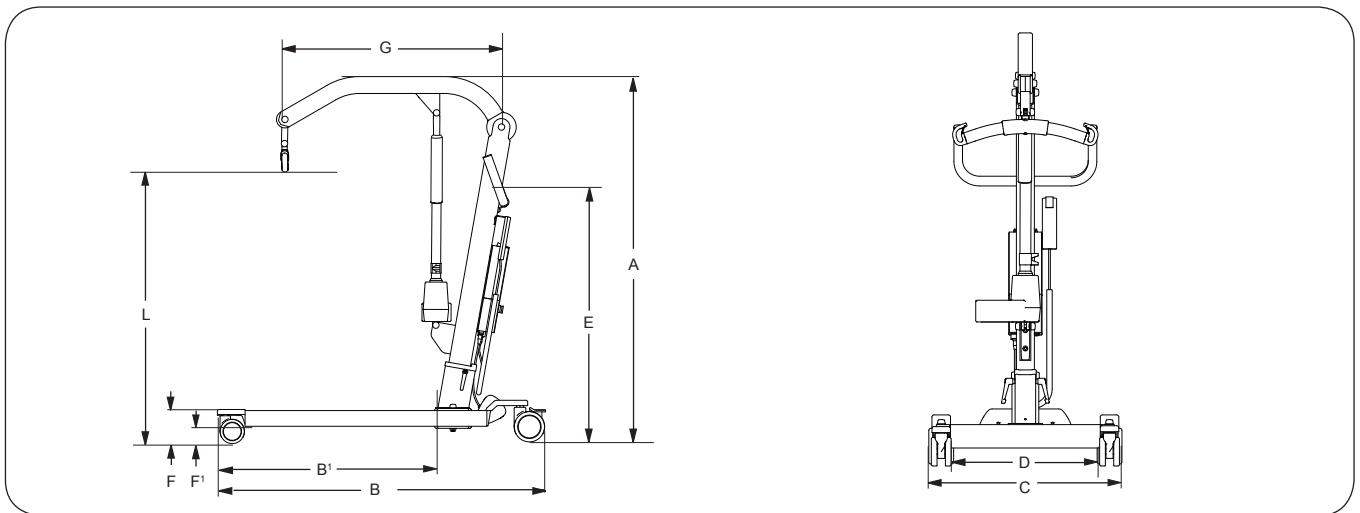
Wheels: Standard front: 100 mm dual.
Standard rear: 125 mm dual w. brake.
Alt. front: 75 mm dual.
Alt. rear: 100 mm single w. brake.

Intermittent operation: Int. Op 10/90, active operation max 2 min. Out of a time of 100, active must be less than 10, though not more than 2 min.

Degree of protection: IP 43

-  Built for indoor operation.
-  Type B according to the degree of protection against electric shock.
-  Class II equipment.

Measurements



Maximum load and weight in kg. Measures in mm.

Model	Wheel diameter	Max. load	L Max	L Min	A Max	A Min	B	B'	C	D	E	F	F'	G	Weight tot	Weight part	Turning diameter
Viking L	100/125 *	250	1790	450	2000	1360	1350	900	660-960	550-950	1060	140	45	900	40	22	1420
Viking L	75/100	250	1780	440	1990	1350	1350	900	660-960	550-950	1050	120	35	900	40	22	1420

* Standard for Viking L.

Maximum load and weight in lbs. Measures in inches.

Model	Wheel diameter	Max. load	L Max	L Min	A Max	A Min	B	B'	C	D	E	F	F'	G	Weight tot	Weight part	Turning diameter
Viking L	3.9/4.9*	550	70	18	79	54	53	35	26-38	22-37	42	5.5	1.8	35	88	48	60
Viking L	3.0/3.9	550	70	18	79	54	53	35	26-38	22-37	42	4.7	1.4	35	88	48	60




* Standard for Viking L.

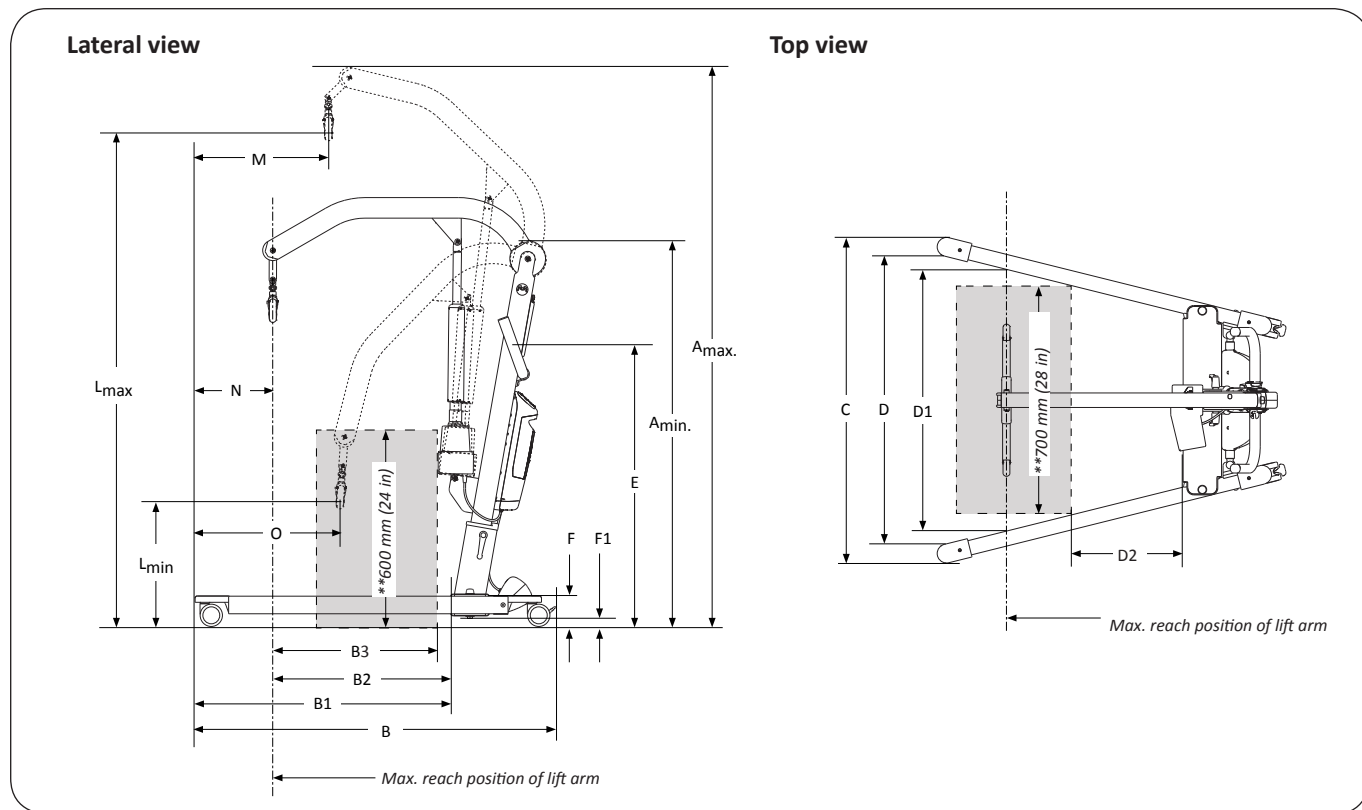
Technical Data

Prod. No. 2040014

Maximum load: 250 kg (550 lbs)
Material: Aluminium
Weight: Total weight: 36.5 kg (80 lbs)
 Heaviest part: 20.5 kg (45 lbs)
Wheels: Front: 100 mm (4 in) twin wheels.
 (Or 75 mm* (3 in) twin wheels).
 Rear: 125 mm (5 in) twin wheels.
 (Or 100 mm (4 in) single castors with brakes).
Turning diameter: 1460 mm (57.4 in)
Emergency Lowering: Mechanical and electrical
Lifting interval: 1330 mm (52.4 in)
Lifting Speed (no load): 21 mm/s and 13 mm/s, respectively
 0.8 in/s and 0.5 in/s,
Sound Level: 51 dB(A)
Protection Class: IP X4

Operating Forces of Controls: HandControl: 4 N
 Operation Panel: 4 N
HandControl IR Batteries: 2 AAA LR03 1.5 V.
 Reach: 2 m (80 in)
Electrical Data: 24 V
Intermittent operation: Int. Op 10/90, active operation max 2 min. Only 10% of a given length of time may be active, yet no more than 2 min.
Batteries: NiMH cells, 2.2 Ah. New batteries provided by the supplier.
Battery Charger: CBL20001, built-in, 100-240 V AC, 50-60 Hz, max 600 mA.
Lift Motor: Permanent magnet motor with mechanical safety mechanism
 24 V, 6.4 A
Motor for base-width adjustment: Permanent magnet motor
 24 V, 6 A

-  The device is intended for use indoors
-  Type B, in accordance with the electrical shock protection class.
-  Class II equipment.



Measures in mm

A _{max}	A _{min}	B	B1	B2	B3**	C		D		D2**	E	F	F1	L _{max}	L _{min}	M	N	O
						max	min	max	min									
2030	1390	1360	900	630	560	1070	695	950	625	230	1060	165	43	1790	460	500	280	550

Measures in inch.

A _{max}	A _{min}	B	B1	B2	B3**	C		D		D2**	E	F	F1	L _{max}	L _{min}	M	N	O
						max	min	max	min									
80.0	54.7	53.5	35.4	24.8	22.0	42.1	27.4	37.4	24.6	9.1	41.7	6.5	1.7	70.5	18.1	19.7	11.0	21.7

Note: The measurements are based on the lift being equipped with standard sling bar and standard wheels. When changing to other lifting accessories, or other wheels, check that the lift still achieves desired lifting height.




** Reference measurement according to Standard EN ISO 10535:2006.

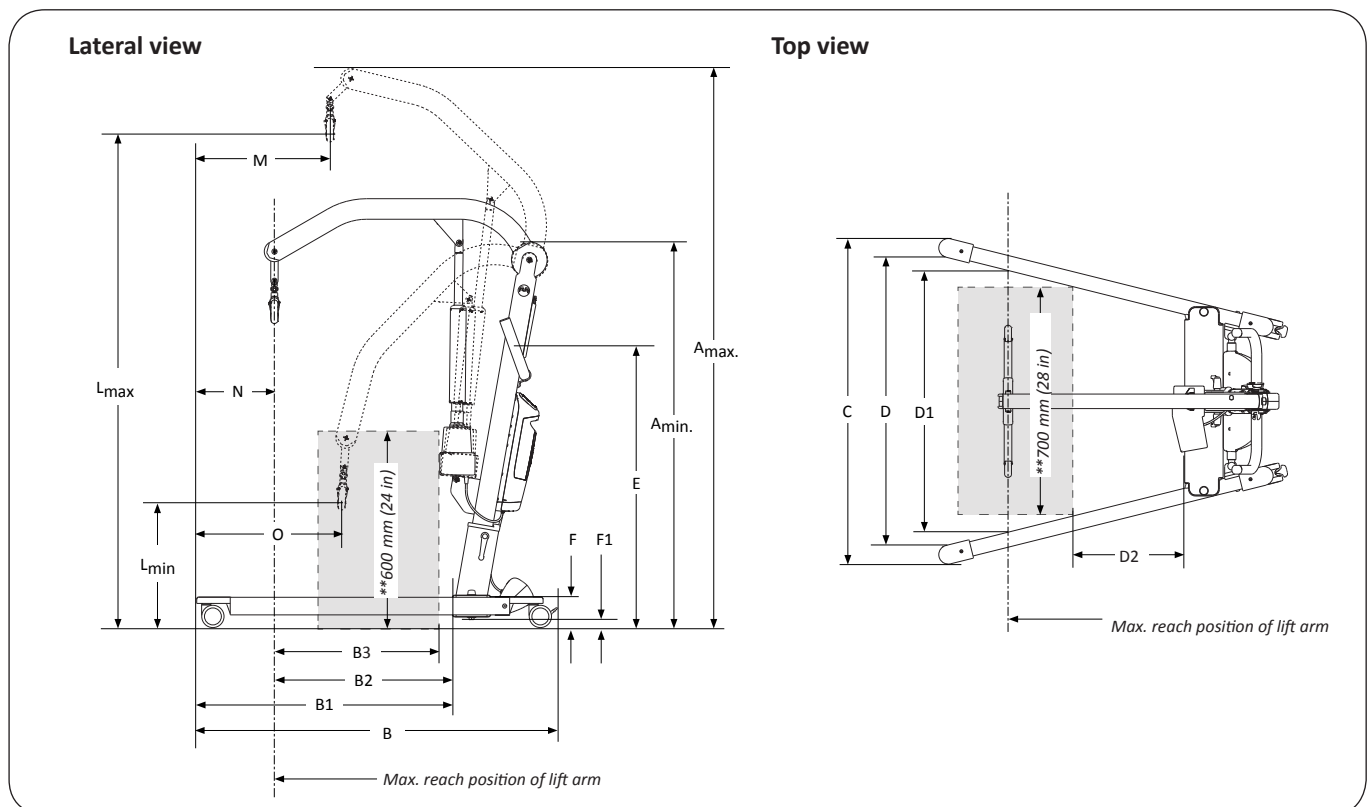
Technical Data

Prod. No. 2040034

Maximum load: Viking L: 250 kg (550 lbs)
Material: Aluminium
Weight: Total weight: 37,4 kg (82.5 lbs)
 Heaviest part: 21,6 kg (47.6 lbs)
Wheels: Front: 100 mm (4 in) twin wheels.
 Rear: 125 mm (5 in) twin wheels.
Turning diameter 1460 mm (57.4 in)
Emergency lowering device: Mechanical and electrical
Lifting interval: 1330 mm (52.4 in)
Lifting speed (no load) 21 mm/s and 13 mm/s, respectively
 (0.8 in/s and 0.5 in/s, respectively)
Sound level: 51 dB(A)
Protection class: IP X4
Operating Forces of Controls: HandControl: 2.4 N
 Operation Panel: 4 N

Electrical data: 24 V
Intermittent power: Int. Op 10/90, active operation max 2 min. Only 10% of a given length of time may be active, but no more than 2 min.
Batteries: NiMH cells, 2.2 Ah. New batteries provided by the supplier.
Battery charger: CBL20002, built-in, 100-240 V AC, 50-60 Hz, max 600 mA.
Lift motor: Permanent magnet motor with mechanical safety mechanism
 24 V, 6.4 A
Motor for base-width adjustment: Permanent magnet motor
 24 V, 6 A

-  The device is intended for use indoors
-  Type B, in accordance with the electrical shock protection class.
-  Class II equipment.



Measures in mm

A _{max}	A _{min}	B	B1	B2	B3**	C		D		D2**	E	F	F1	L _{max}	L _{min}	M	N	O
						max	min	max	min									
2030	1390	1360	900	630	560	1070	695	950	625	230	1060	165	43	1790	460	500	280	550

Measures in inch.

A _{max}	A _{min}	B	B1	B2	B3**	C		D		D2**	E	F	F1	L _{max}	L _{min}	M	N	O
						max	min	max	min									
80.0	54.7	53.5	35.4	24.8	22.0	42.1	27.4	37.4	24.6	9.1	41.7	6.5	1.7	70.5	18.1	19.7	11.0	21.7

Note: The measurements are based on the lift being equipped with standard sling bar and standard wheels. When changing to other lifting accessories, or other wheels, check that the lift still achieves desired lifting height.

** Reference measurement according to Standard EN ISO 10535:2006.

Trouble shooting

Prod. No. 2040004

**The lift does not work up/down.
Width adjustment does not
work in/out.**



1. Check that the emergency stop button is not pushed in .
2. Check that the cables are correctly connected .
3. Check that the charger cable is not connected to the wall socket.
4. Check that the battery is charged .
5. Check that the contact plates of the battery are not defective or broken off.
6. *If the lift still does not work satisfactorily, contact Liko/Hill-Rom.*

**Battery charging does not
work.**



1. Check that the emergency stop button is not pushed in .
2. Check to ensure that the wall socket is power-supplied.
3. Check to ensure that the charger cable is correctly connected .
4. Check that the contact plates of the battery box are not defective or broken off.
5. *If the lift still does not work satisfactorily, contact Liko/Hill-Rom.*

**The lift stops in the elevated
position.**



1. Check that the emergency stop button is not pushed in .
2. Use the electrical emergency lowering (marked) to safely lower the patient .
3. Use the mechanical emergency lowering (marked) to safely lower the patient .
4. Check that the battery is charged.
5. *If the lift still does not work satisfactorily, contact Liko/Hill-Rom.*

If you hear unusual sounds.



Contact Liko/Hill-Rom.

Trouble shooting

Prod. No. 2040014

The lift does not work up/down with the HandControl IR.

The base-width adjustment doesn't work (in/out) with the HandControl IR.



1. Make sure that the emergency stop is not engaged.
2. If the lift has not been used for 24 hours, enable the system.
3. Check that the HandControl IR is enabled.
4. Check that the charger cable is not connected to an electric outlet.
5. HandControl IR indicates battery change.
6. If the lift works via the operation panel, change the HandControl IR.
7. If the lift motion is stopped during raising maximum load, and then won't raise, try to lower the lift and then raise again.
8. If the problem persists, please contact Liko/Hill-Rom.

The lift does not work up/down with the operation panel.

The base-width adjustment doesn't work (in/out) with the operation panel.



1. Make sure that the emergency stop is not engaged.
2. Make sure that the cables to the control box are connected correctly.
3. Check that the charger cable is not connected to an electric outlet.
4. Check the battery capacity.
5. Check that the battery's contact plates are not defective or broken.
6. If the problem persists, please contact Liko/Hill-Rom.

The charger doesn't work.



1. Make sure that the emergency stop is not engaged.
2. Check that the charging cable is correctly connected.
3. Make sure that the battery is properly attached.
4. Check that the battery's contact plates are not defective or broken.
5. If the problem persists, please contact Liko/Hill-Rom.

The lift is stuck in the high position.



1. Make sure that the emergency stop is not engaged.
2. Check the battery capacity.
3. HandControl IR indicates battery change.
4. Use the electrical emergency lowering device to lower the patient onto a firm surface.
5. Use the manual emergency lowering device to lower the patient onto a firm surface.
6. If the problem persists, please contact Liko/Hill-Rom.

If you hear unusual sounds.



Contact Liko/Hill-Rom.

Trouble shooting

Prod. No. 2040034

The lift doesn't work up/down with Hand Control.



The base-width adjustment doesn't work (in/out) with the Hand Control.

1. Check that the emergency stop button has not been pressed.
2. Check the battery capacity.
3. Check that the charger cable is not connected to an electric outlet.
4. Check that the hand control cable is correctly connected.
5. If the lift works via the operation panel, change the Hand Control.
6. *If the problem persists, please contact Liko/Hill-Rom.*

The lift does not work up/down with the operation panel.



The base-width adjustment doesn't work (in/out) with the operation panel.

1. Check that the emergency stop button has not been pressed.
2. Check that the cables to the control box are connected correctly.
3. Check that the charger cable is not connected to an electric outlet.
4. Check the battery capacity.
5. *If the problem persists, please contact Liko/Hill-Rom.*

The charger doesn't work.



1. Check that the emergency stop button has not been pressed.
2. Check that the charger cables are connected correctly.
3. Make sure that the battery is properly attached.
4. *If the problem persists, please contact Liko/Hill-Rom.*

The lift is stuck in the high position.



1. Check that the emergency stop button has not been pressed.
2. Check the battery capacity.
3. Check that the hand control cable is connected correctly.
4. Electrical emergency lowering, use the operation panel to lower the patient onto a firm surface.
5. Use the mechanical emergency lowering device to lower the patient onto a firm surface.
6. *If the problem persists, please contact Liko/Hill-Rom.*

If you hear unusual sounds.

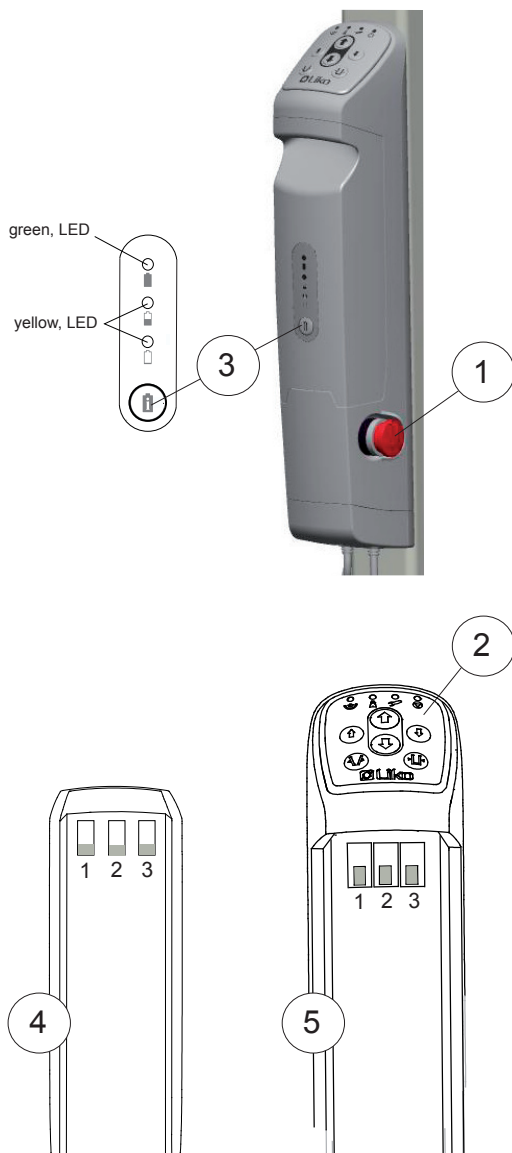
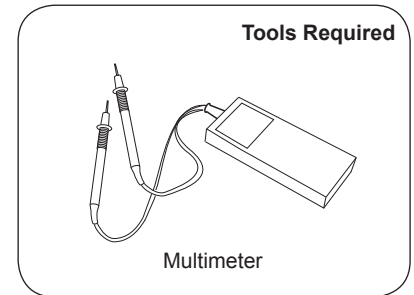


Contact Liko/Hill-Rom.

Trouble shooting

Control Unit CBL

Note! Begin with Simple trouble shooting from Service manual for the actual product. If problem remains continue as described below.



Check point:

1. Make sure that:
 - the emergency stop (1) is not activated.
 - the battery is assembled correctly.
 - the charging cable is not connected to mains.
2. Check operation panel function's for actuator and base motor
 - Push control buttons on operation panel (2) at control box
 - If both actuator and base motor functions response, continue to step 5.
 - If no function, continue to step 3.
 - If only one of either the actuator or base motor function response: change position on actuator and base motor cables then check control function of operation panel, to see if fault is on output channels or the motors. If control box function is ok! Continue to step 5.
 - If control box is faulty. **Replace the control box.**
3. Check battery capacity
 - 3a) Push in the battery capacity button (3):
 - If any of the three LED's on the battery start's the battery is OK, continue to step 4.
 - If not, continue to step 3b.
 - 3b) Measure battery voltage: release battery, (4) measure on contact 1 and 3:
 - If voltage over 0V the battery is ok! Continue to step 4.
4. Verify contact between control box and battery.
 - 4a) Remove the battery and wait for green LED to turn off.
 - 4b) Put back the battery and see if green LED start automatically.
 - If green LED starts, battery contact is ok!
 - If not, try to ensure that the battery's contact plates are not defective or broken and try to bend them out carefully, then repeat step 4.
 - If still no contact, continue to step 5.
5. Check charging function
 - 5a) Connect the charging cable to mains
 - If charging starts within 1 minute, charge and then continue to step 6.
 - If charging doesn't start, continue to step 5b.
 - 5b) Measure output voltage on the control box (5) on contact 1 and 3.
 - If voltage is 3-4V charging is OK! **Replace the battery**, continue to step 6.
 - If voltage is 0V when the charging cable is connected to mains the control box needs to be replaced! **Replace the control box.**
6. Charge the battery until green LED is flashing, on the battery.
 - Check that all function's on the control box is ok!
 - If not, **Replace control box.**

Customers FAQ:

- **The liftarms up/down function or base width in/out function doesn't work?**
 - a) Change position on actuator and base motor cables.
 - b) Perform step 2 and see if fault is on output channel or motors.
- **The control panel function's on controlbox is ok, but the hand control has no function?**
 - a) Check to ensure that battery contact plates in the hand control are not defective or broken.
- **There's no charging function?**
 - a) Verify contact between control box and battery. Perform step 4.
 - b) Check charging function. Perform step 5.

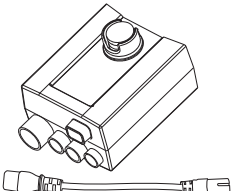

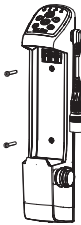

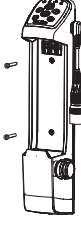
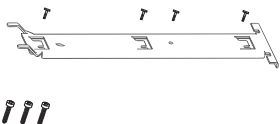
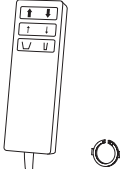
Spare Parts List

Viking™ L mobile lift

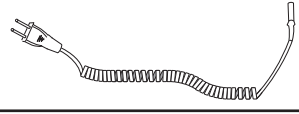
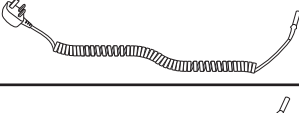
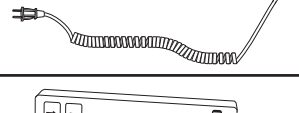
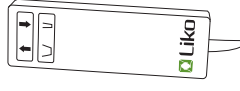
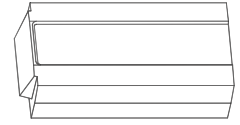
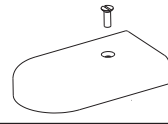


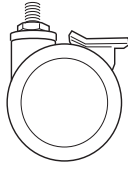

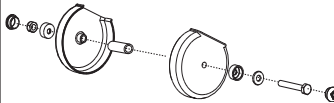
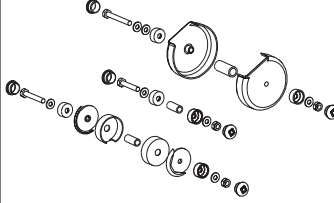
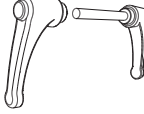



There are three models of Viking L; Prod. No. 2040004, 2040014 and 2040034. Which spare part that fits to each model, can be read in the columns to the right. (x=fits with this model)

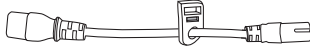

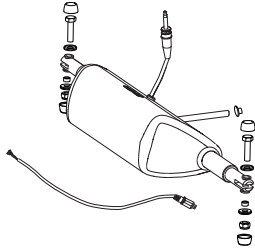
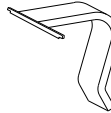

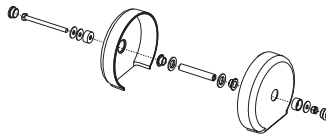
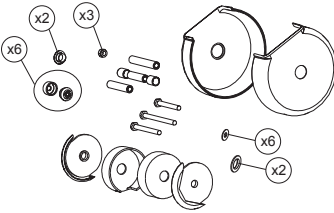
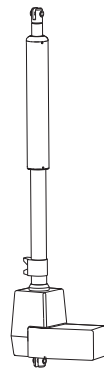

Viking L Control Units

PROD. NO.	POS. NO.	NAME	UNIT		2040004	2040014	2040034
20490009	198	Control Box Viking L/XL	pce		x		
20490009US	198	Control Box Viking L/XL, US <i>only for the US-market</i>	pce		x		
20490039	336	Control Unit CBL, by S/N Can only be ordered if S/N (serial number) can be provided to Liko Customer Service. Will be programmed at Liko before delivery. 2 weeks delivery time from Hill-Rom/Liko Alvik, Sweden	pce			x	
20490054	336C	Control Unit CBL by S/N, Cable Can only be ordered if S/N (serial number) can be provided to Liko Customer Service. Will be programmed at Liko before delivery. 2 weeks delivery time from Hill-Rom/Liko Alvik, Sweden	pce				x
20490043	453	Control Unit CBL, Viking L Before use; requires Software and, needs to be programmed with Liko Service System, Prod. No. 21090024	pce			x	
20490055	453C	Control Unit CBL Viking L, Cable Before use; requires Software and, needs to be programmed with Liko Service System, Prod. No. 21090024	pce				x
Viking L Spare Parts							
20090023	19	Attachment for Control Box	pce		x		
20090089	20	Hand control 6-Button	pce				x




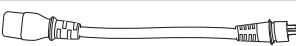





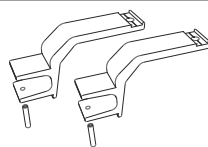

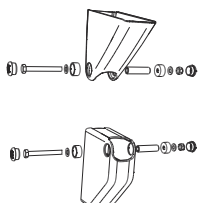
Spare Parts List

Viking™ L mobile lift								
PROD. NO.	POS. NO.	NAME	UNIT		2040004	2040014	2040034	
20090026	22	Cable for Charging, EU	pce		x	x	x	
20090027	23	Cable for Charging, UK	pce		x	x	x	
20090028	24	Cable for Charging, US	pce		x	x	x	
20190017	55	Hand Control EE 4-Button	pce		x			
2006106	139	Extra Battery box, incl. Batteries	pce		x			
20390006	159	Fork Cover	pair		x	x	x	
21090001	160	Extension Cable	pce		x			
20490003	192	Front Wheel 100 mm We recommend replacing both wheels, as there are two different versions that can vary in appearance. (dimension is the same)	pce		x	x	x	
20490004	193	Rear Wheel 125 mm We recommend replacing both wheels, as there are two different versions that can vary in appearance. (dimension is the same)	pce		x	x	x	
20490005	194	Rear Fork Cover	pair		x	x	x	
20490007	196	Lift Arm Plastic Cover Vi To S/N 7200488.	set		x			
20490008	197	Overhead Beam Restoration set To S/N 7200488	set		x			
20490010	199	Locking Handle Viking XL from S/N 7200431	pair		x	x	x	
20090050	248	Cable for Charging, AU/NZ	pce		x	x	x	

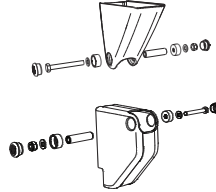
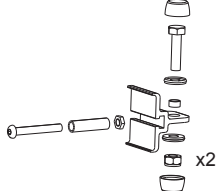
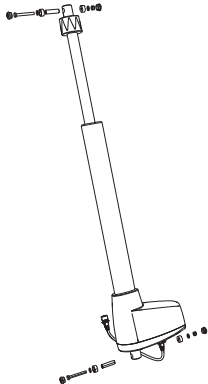
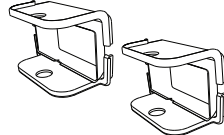
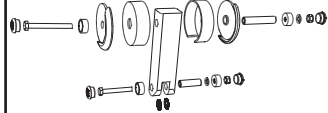
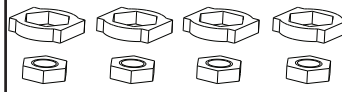
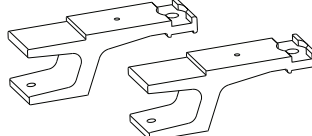
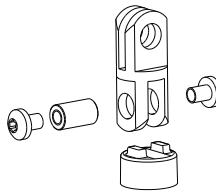
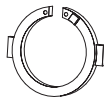
Spare Parts List

Viking™ L mobile lift								
PROD. NO.	POS. NO.	NAME	UNIT		2040004	2040014	2040034	
21090011	263	Extension Cable US	pce		X			
31590011	264	Latch Universal SlingBar	pair		X			
20490011	266	Base Motor Viking M, L	pce		X	X	X	
20090058	292	Hook for Hand control 2, 4, 6	pce		X			X
20090066	293	End Cover Handle/Arm Support grey, 4 pce	set		X	X	X	
20490023	307	Lift arm plastic cover <i>Prod. No. 2040004, from S/N 7200795</i>	set		X	X	X	
20490024	308	Overhead beam restoration set <i>Prod. No. 2040004, from S/N 7200795</i>	set		X	X	X	
20490025	309	Actuator Viking L, XL	pce		X			
31590014	311	Latch, composite <i>Fits Universal SlingBar from S/N 1299511</i>	pair		X	X	X	

Spare Parts List

Viking™ L mobile lift							
PROD. NO.	POS. NO.	NAME	UNIT		2040004	2040014	2040034
20490030	331	Outer Tube	pce		x		
20490031	333	Wireless hand control HBL20	set			x	
21090018	348	Extension cable CBL20	pce			x	x
21090019	349	Extension cable CBL 20 US,	pce			x	x
2006107	350	Extra battery box	pce			x	x
21090020	351	Beltclip HBL20	pair			x	
21090021	352	Clips with hook HBL20	pair			x	
21090022	353	Charge cable hook , 10 pce	set			x	x
21090023	354	Hand control hanger, 10 pce	set			x	
20490037	413	Rear Wheel fork	pair		x	x	x
20090077	422	Locking device CBL20, 10 pce	set			x	x
20490040	439	Bracket Cover	set		x		

Spare Parts List

Viking™ L mobile lift								
PROD. NO.	POS. NO.	NAME	UNIT		2040004	2040014	2040034	
20490041	451	Bracket Cover II	set			X	X	
20490042	452	Restoration set motor attachment	set			X	X	
20490045	455	Actuator LA44 - 400	set			X	X	
20490047	459	Leg Cover L&XL	set		X	X	X	
20490049	461	Flexlink	set		X	X	X	
20090080	485	Fork locking attachment, 4 pair	set		X	X	X	
20090081	486	Wheel Fork	pair		X	X	X	
20490052	490	SlingBar Assembly set	set		X	X	X	
20490057	511	Locking Ring CBL 10 pce						X

Assembly Instruction
Monteringsanvisning

Prod. No. 20090023

3SE630238-05
2011-02-08

Contains:

Screw MRT-GF M5x16
Screw MCL6S M5x8
Control box attachment

Qty:

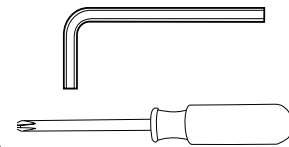
3
4
1



Fits:

Golvo 7000ES/7007ES, 7007 LowBase
Uno 100 EM/EE
Uno 102 EM/EE/ES
Sabina EM/EE
Sabina II EM/EE
Viking XL (Prod. No. 2040003)
Viking L (Prod. No. 2040004)
Viking M (Prod. No. 2040005)
Liko M220 / M230


Tools required:




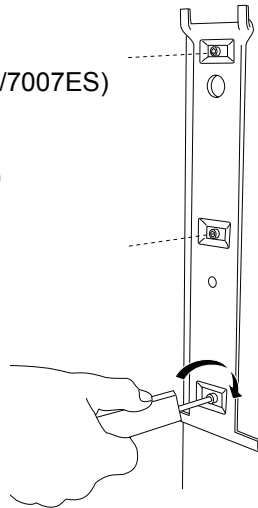
3 mm

T25

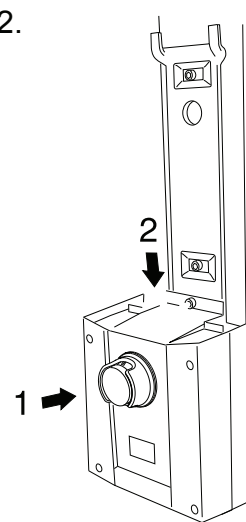
1.

 x 3 (Viking M, L, XL, Golvo 7000ES/7007ES)

 x 3 (Sabina, Uno, Liko M220/M230)

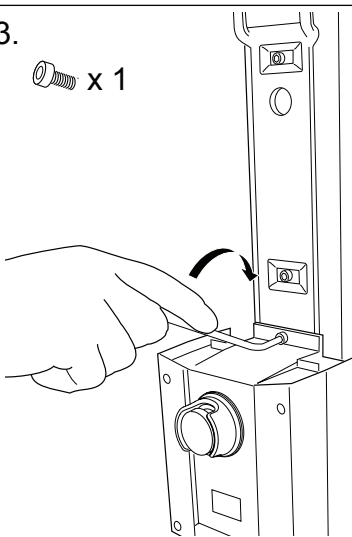


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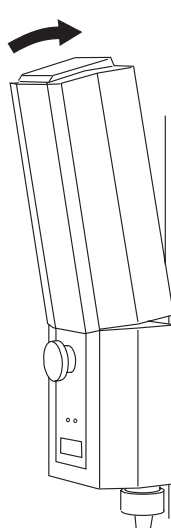


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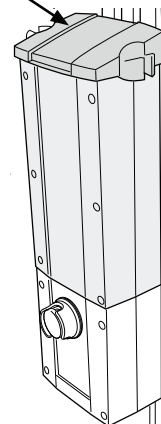
 x 1



4.



5. (Holder for the charging cable, is not standard on every lift model)



NOTE

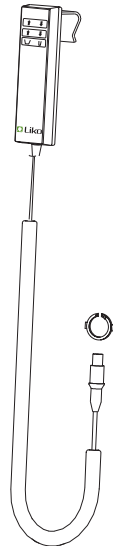
- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.

Assembly Instruction
Monteringsanvisning

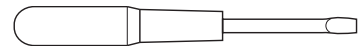
Prod. No. 20090089

3SE690232-02
2013-01-17

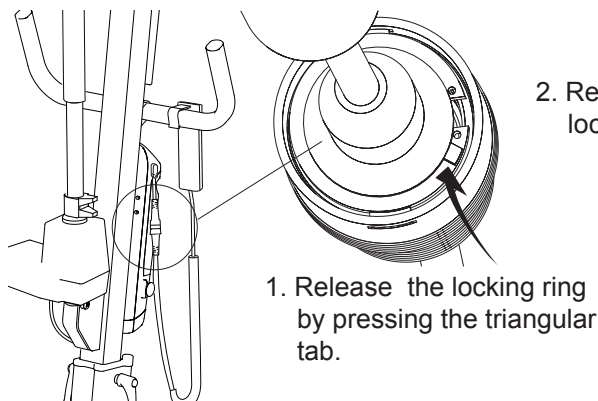
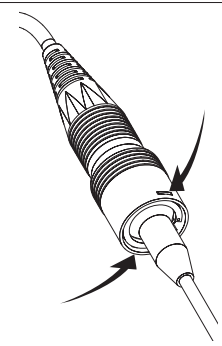
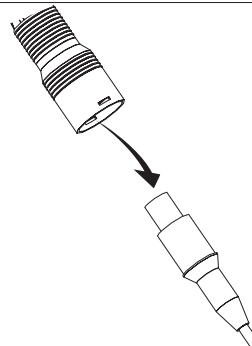
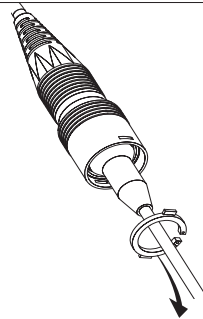
Contains:	Qty:
Hand control ES	1
Locking Ring	1



Tools required



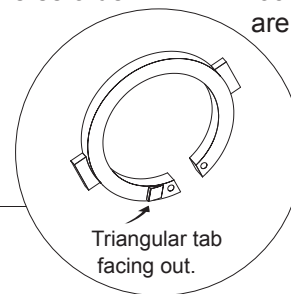
Product:	Prod. No.
Viking XL	2040033
Viking L	2040034
Viking M	2040035
Golvo 8000	2000034
Golvo 8008	2000035
Golvo 8008 LowBase	2000039



2. Remove the locking ring.

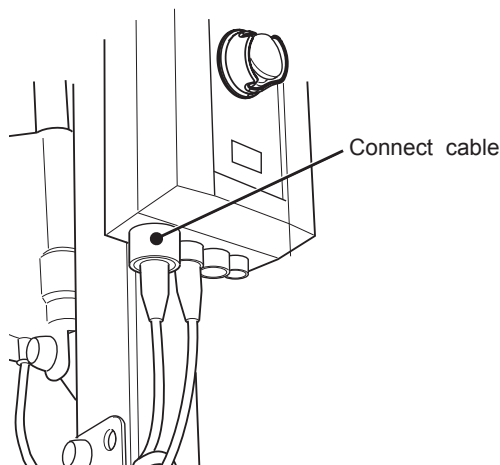
3. Remove the hand control. Assemble in reverse order.

4. Make sure the rectangular tabs at the locking ring are fixed.



Product:
Golvo 7000ES/7007ES
Golvo 7007 LowBase
Uno 102 ES
Sabina EE
Sabina II EE

Use no locking ring on these products.



Connect cable

NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

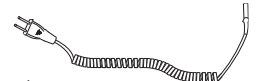
Assembly Instruction Monteringsanvisning

Contains: **Qty:**
Charging cable 1

Fits:

Golvo 7000ES / 7007ES / 7007 LowBase
Golvo 8000 / 8008 / 8008 LowBase
Uno 100 EM/EE
Uno 102 EM/EE/ES
Sabina EM/EE
Sabina II EM/EE
Viking XL
Viking L
Viking M

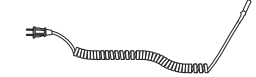
Prod. No. 20090026 EU



20090027 UK



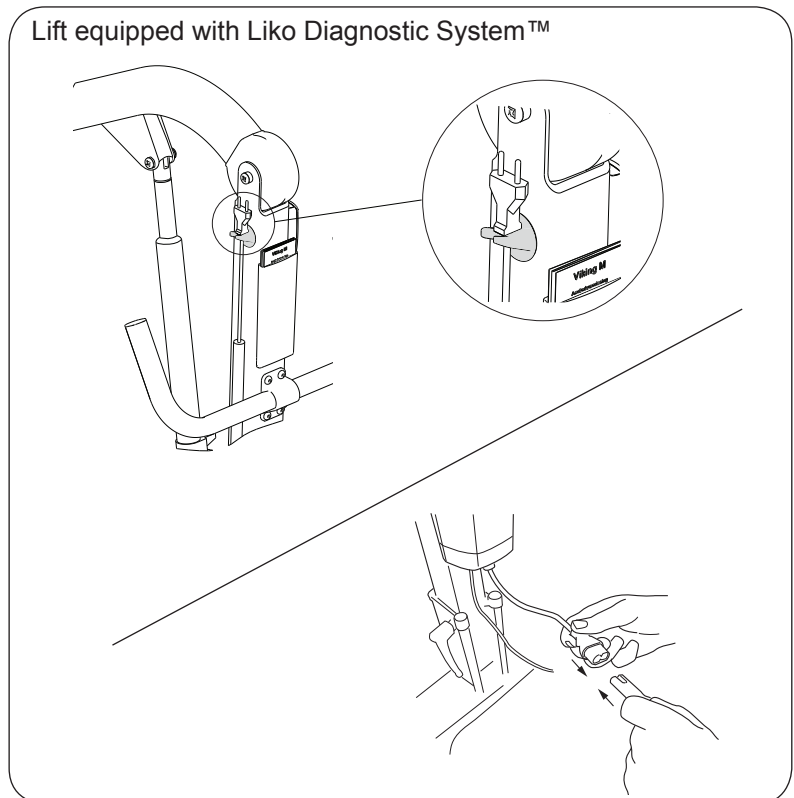
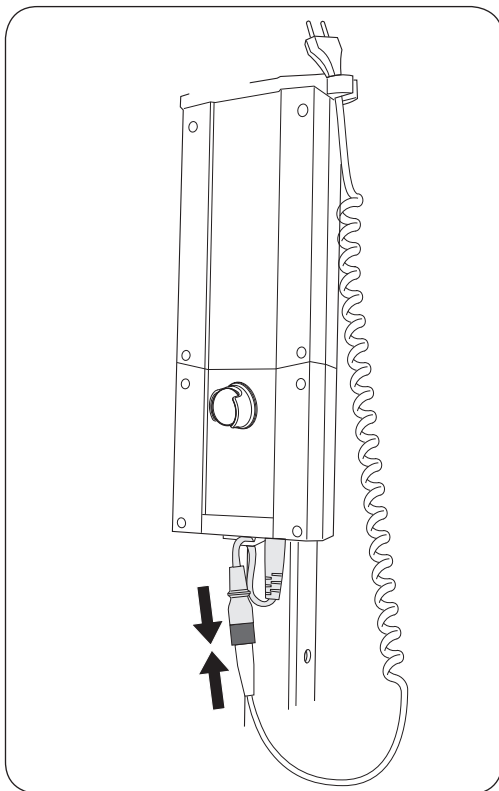
20090028 US



20090050 AU/NZ



3SE630237-06
2012-09-11



The lift cannot be used when the charger cable is plugged into an electrical outlet.

△ NOTE

- Never charge batteries in a wet area.
- The lift cannot be charged with the emergency stop engaged.
- When charging, a yellow indicator light on the control box will illuminate. The yellow light turns off when the battery is fully charged. If the light has not turned off after 8 hours of charging, the battery may need to be replaced. Stop charging and replace the battery.
- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.

Hand Control 2, 4-button Handkontroll 2, 4-knapp

Assembly Instruction Monteringsanvisning

Prod. No. 20190016, 20190017

20190016 Contains: Qty:
Hand control EM 2-Button 1

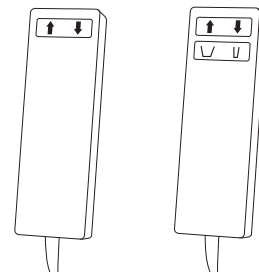
20190017 Contains: Qty:
Hand Control EE 4-Button 1

20190016 Hand control EM 2-Button, Fits:

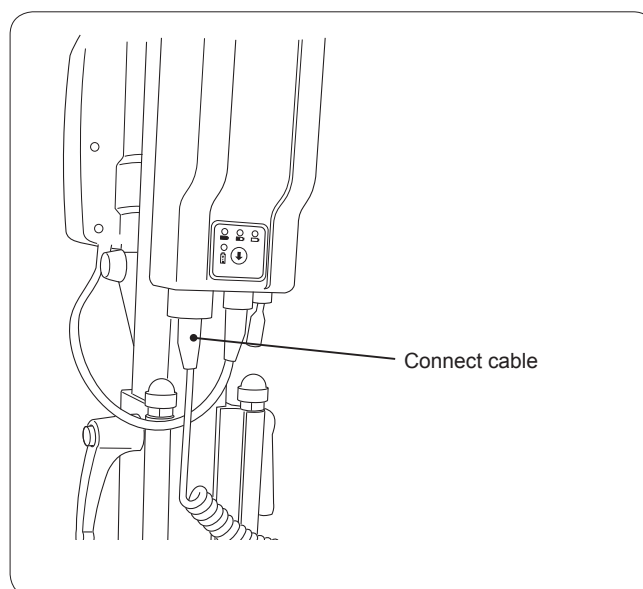
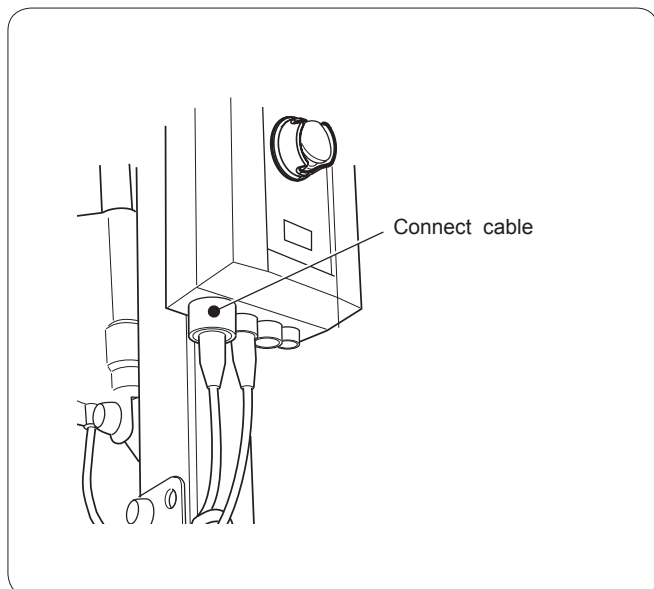
LikoLight
Sabina EM
Sabina II EM
Uno 100 EM
Uno 102 EM
Viking S
Viking XS

20190017 Hand control EE 4-Button, Fits:

Uno 100 EE
Uno 102 EE
Viking XL Prod. No. 2040003
Viking L Prod. No. 2040004
Viking M Prod. No. 2040005



3SE630204-11
2012-09-11



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction
Monteringsanvisning

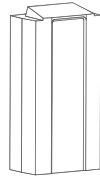
Prod. No. 2006106

3SE630224-06

2011-02-24

Contains:
Battery box

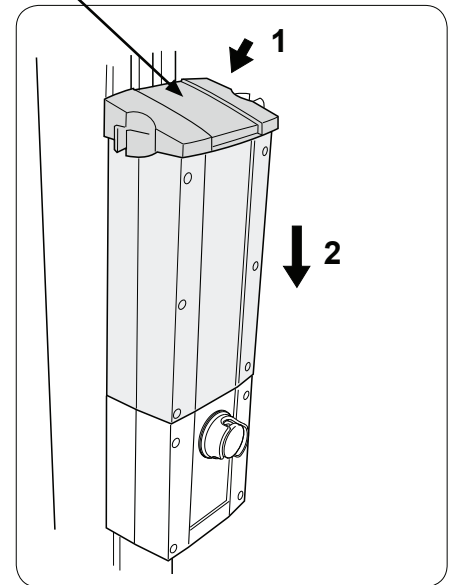
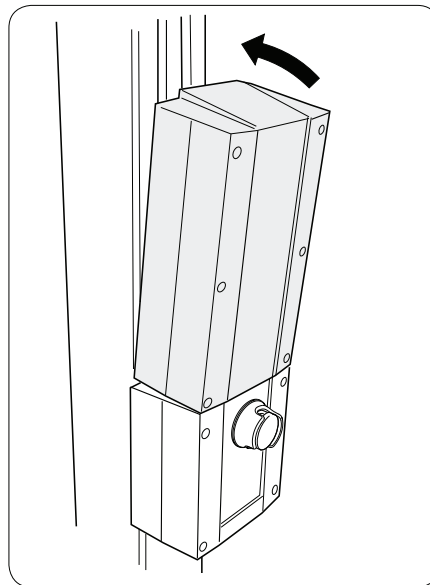
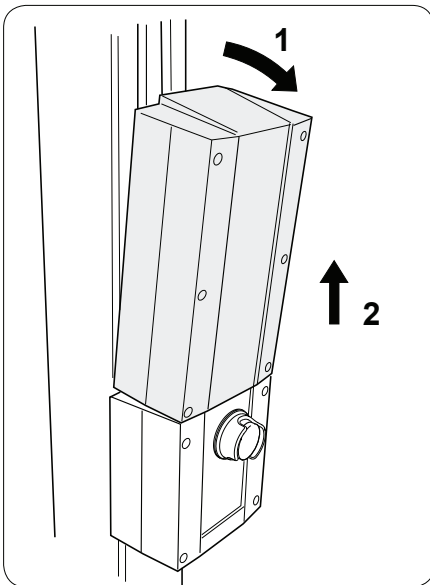
Qty:
1



Fits:

Caroli
Capella
Golvo 7000 ES/7007 ES (all models), 7007 Low Base
LikoLight
Liko M220 / M230
Sabina
Uno 100EM,EE,102EM,EE,ES
Viking XL (Prod. No. 2040003)
Viking L (Prod. No. 2040004)
Viking M (Prod. No. 2040005)

(Holder for the charging cable, is not standard on every lift model)



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.
- Old batteries are to be left at the nearest recycling station or given to personnel authorized by Liko.



Assembly Instruction
Monteringsanvisning

Prod. No. 20390006

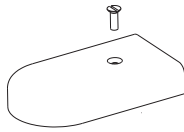
3SE380202-05
2013-10-10

Contains:

Nylon screw M5x16 Nature
Front fork cover grey light

Qty:

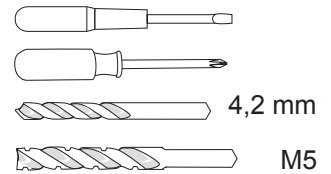
2
2



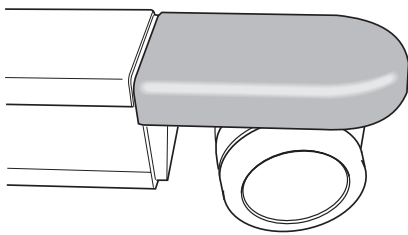
Fits:

Golvo 7000 ES
Golvo 7007 ES
Golvo 7000 ES Classic / 7007 ES Classic
Golvo 8000 / 8008 (all models)
LikoLight
Viking XL
Viking L
Viking M
Viking S
Viking XS
Roll On

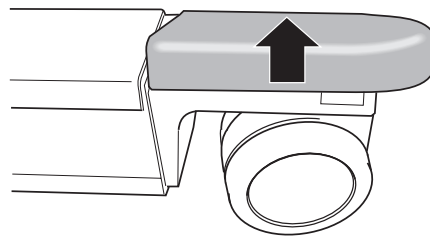
Tools required:



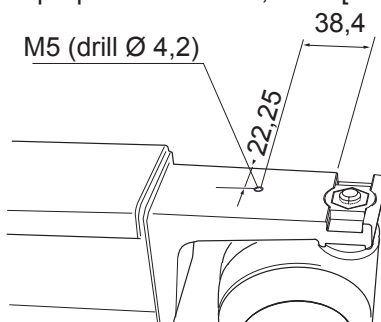
1.



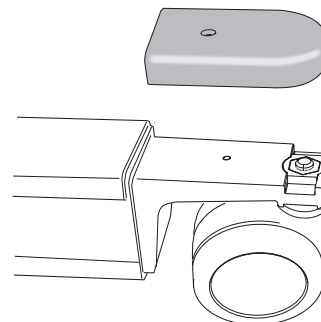
2.



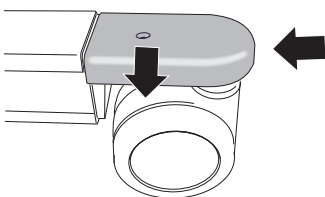
3. If not prepared with hole, drill [mm.]



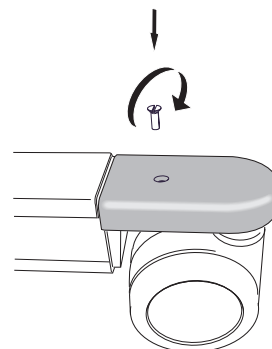
4.



5.



6.



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 21090001

3SE630225-05

2011-03-02

Contains:

Extension cable EU

Qty:

1

Fits:

Golvo 7000ES/7007ES

Golvo 7007 LowBase

Uno 100 EM/EE

Uno 102 EM/EE/ES

Sabina EM/EE

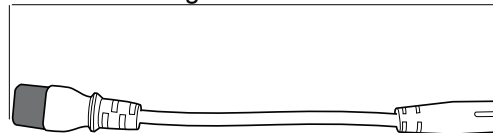
Sabina II EM/EE

Viking XL (Prod. No. 2040003)

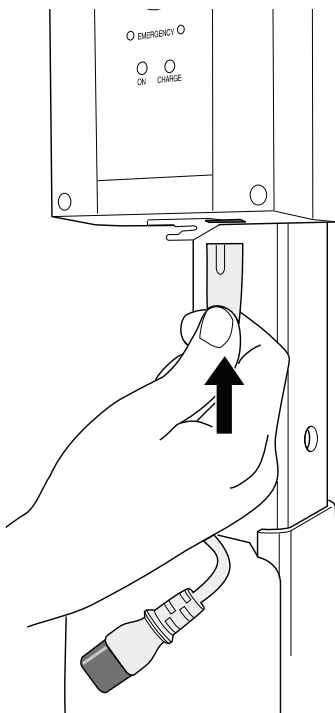
Viking L (Prod. No. 2040004)

Viking M (Prod. No. 2040005)

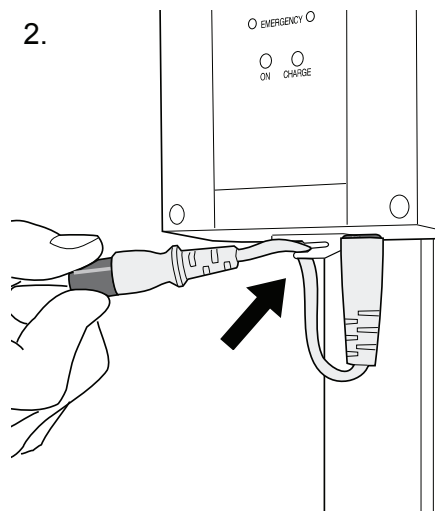
Length 21 cm/ 8.5 inch



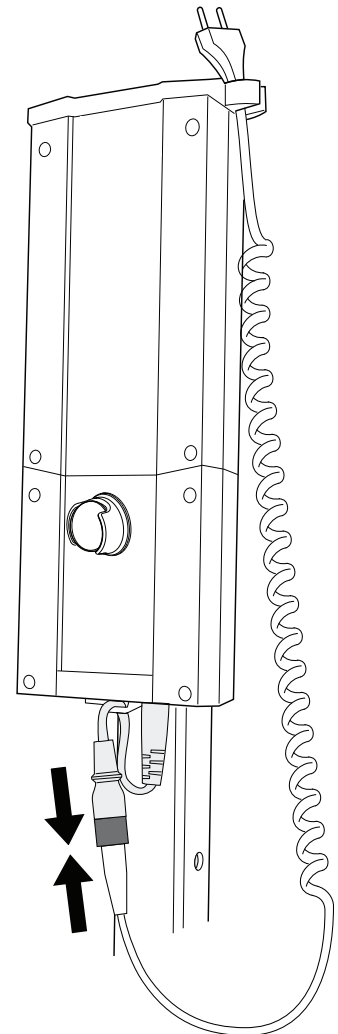
1.



2.



3.


△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490003

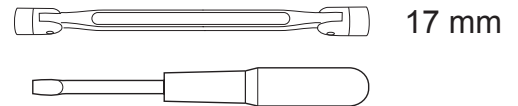
3SE630293 Rev. 5
2014-01-03

Contains:
Front wheel Plasttech 100

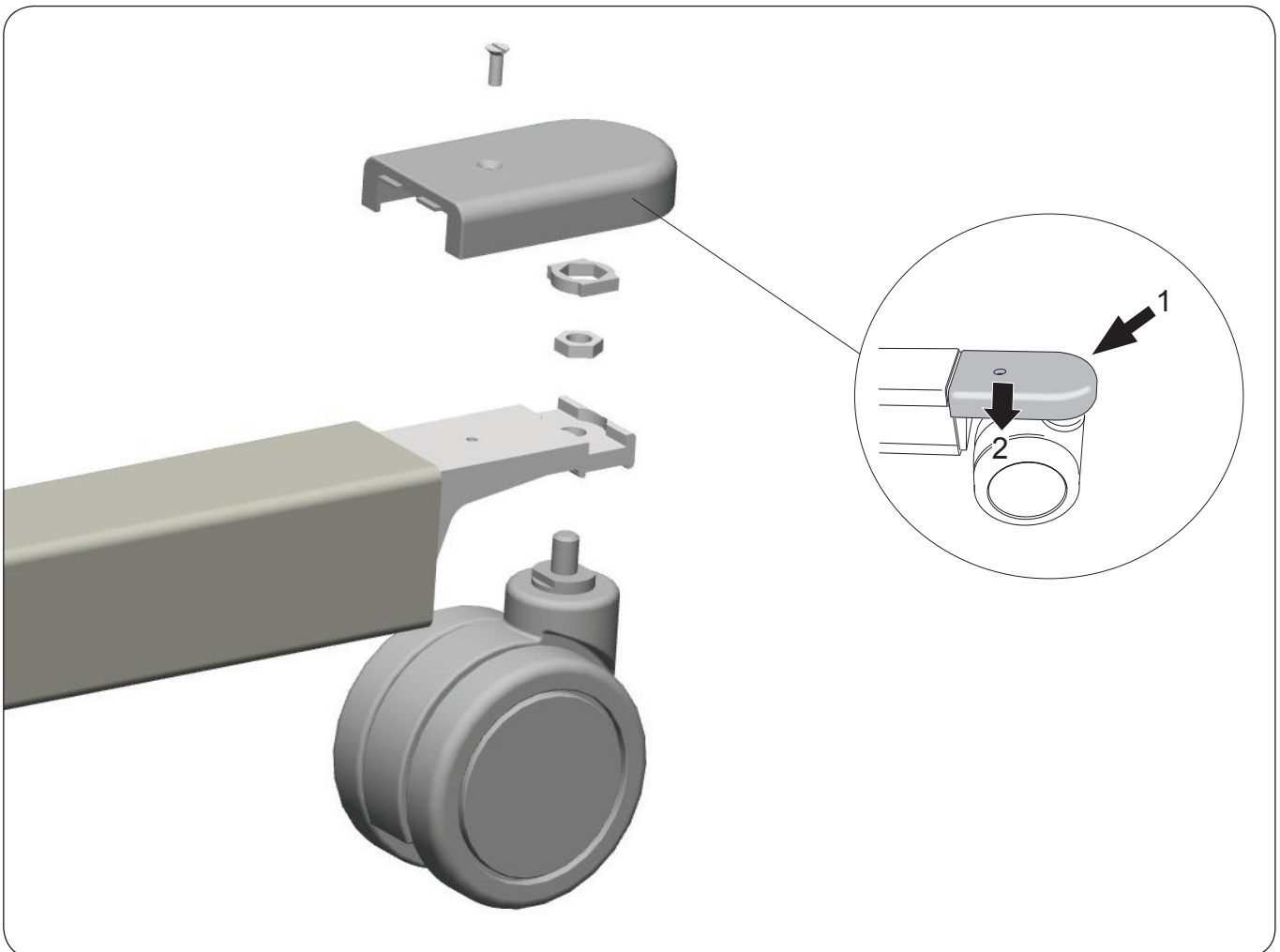
Qty:
1

Fits:
Viking XL
Viking L
LikoLight Large wheels 100/125 (Prod. No. 2030001H)

Tools required:



We recommend replacing both wheels, since the lift can have two different versions that can vary in appearance. (dimension is the same)



NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490004

3SE630294 Rev. 5
2014-01-03

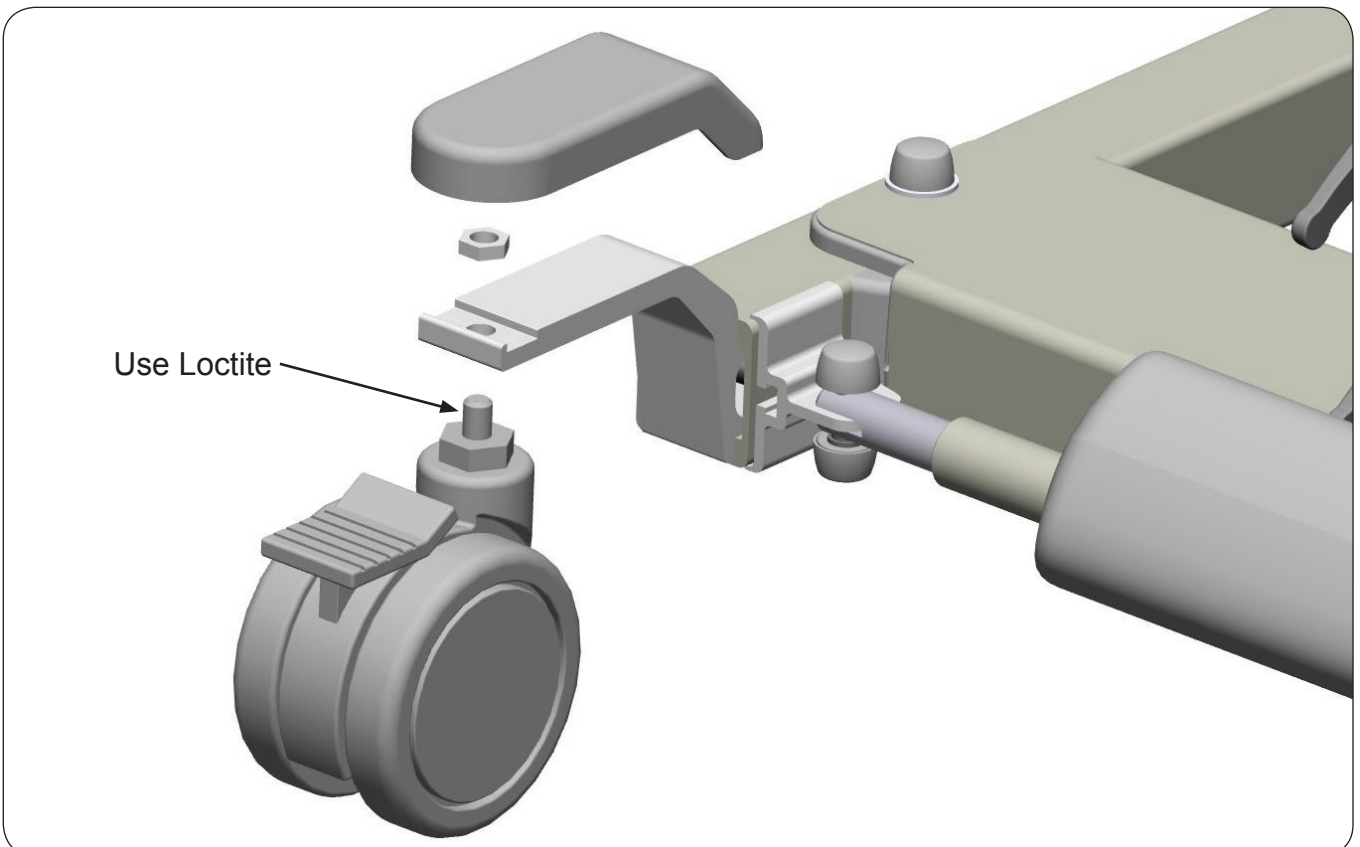
Contains:	Qty:
Rear wheel Plasttech 125	1

Fits:
Viking XL
Viking L
LikoLight Large wheels 100/125 (Prod. No. 2030001H)

Tools required:



We recommend replacing both wheels, since the lift can have two different versions that can vary in appearance. (dimension is the same)



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction
Monteringsanvisning

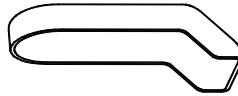
Prod. No. 20490005

3SE630295-03
2010-04-14**Contains:**

Rear wheel cover, grey

Qty:

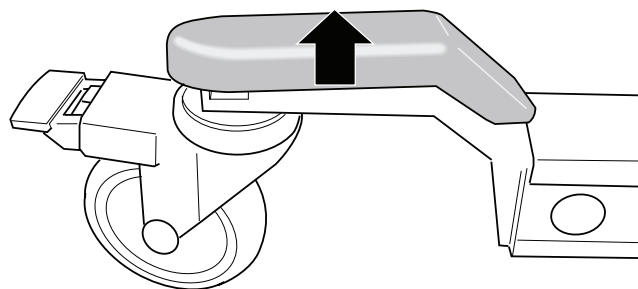
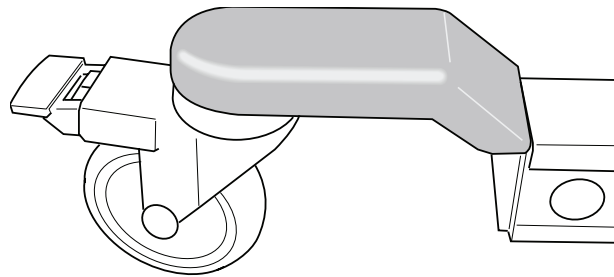
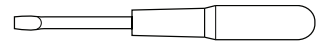
2

**Fits:**

Viking XL

Viking L

Viking M, Prod No. 2040005 (Up to S/N 7102063)

Tools required:**NOTE**

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490007

3SE630240-05
2011-03-11

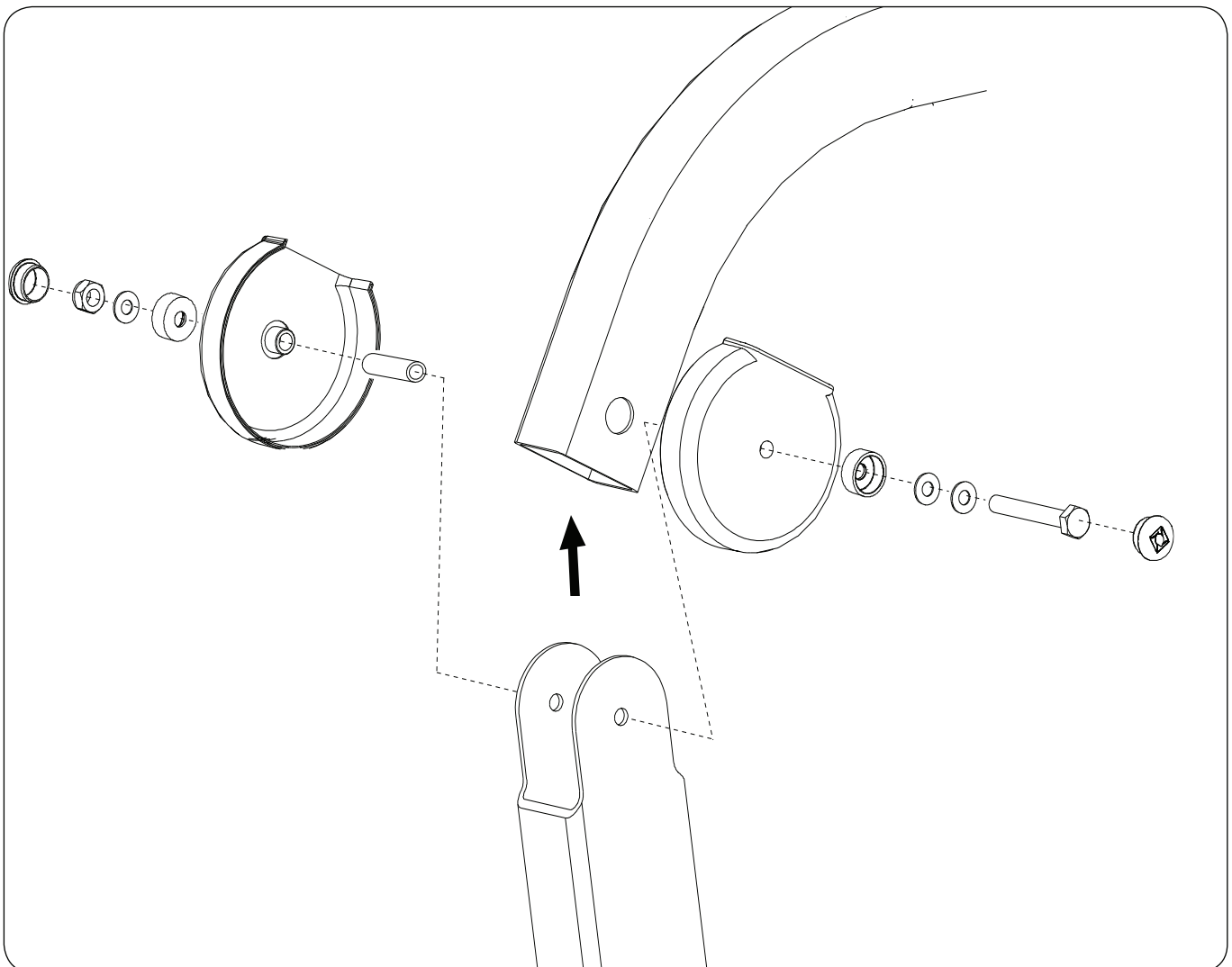
Contains:	Qty:
Plastic cover mast Viking	2
Cover hat Liko	2
Cover hat Liko bottom	2
Sleeve bearing Mob.62	1
Locking nut M6 Nyloc	1
Washer TBRB 6,4x12x3	3
Screw M6S M6x75	1

Fits:

Viking XL (Prod. No. 2040003), to S/N 801999
 Viking L (Prod. No. 2040004), to S/N 7200794
 Viking M (Prod. No. 2040005), to S/N 7106200

Tools required:

2X  10 mm



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.



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Assembly Instruction
Monteringsanvisning

Prod. No. 20490008

3SE630228-06
2011-03-03

Contains:

Qty:

Plastic cover mast Viking	2
Cap Y Viking	2
Cap I Viking	2
Cover hat Liko & bottom	6
Sleeve bearing Mob.38	1
Sleeve bearing Mob.50	1
Sleeve bearing Mob.62	1
Locking nut M6 Nyloc	3
Screw M6S M6x50	1
Screw M6S M6x60	1
Screw M6S M6x75	1
Washer PS 6x12x1	7

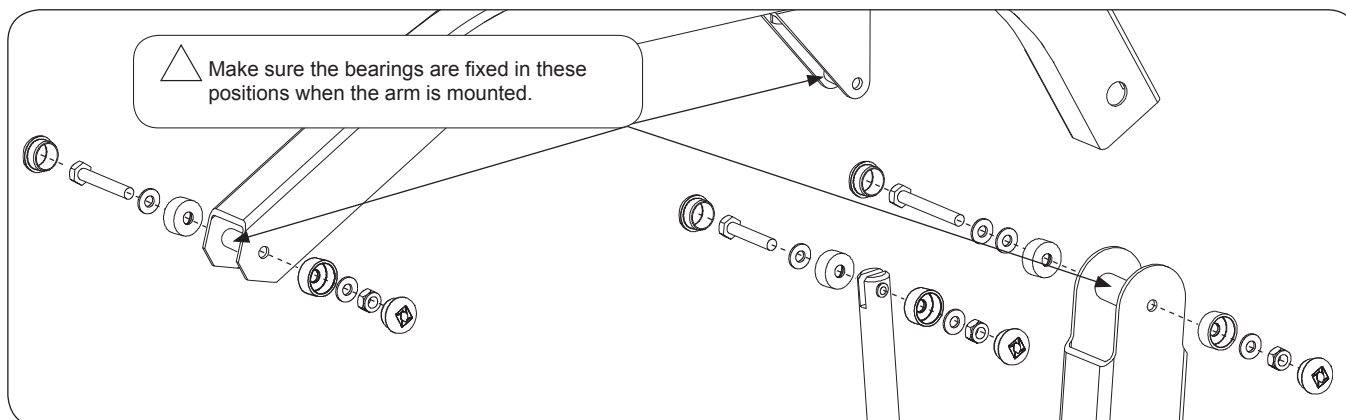
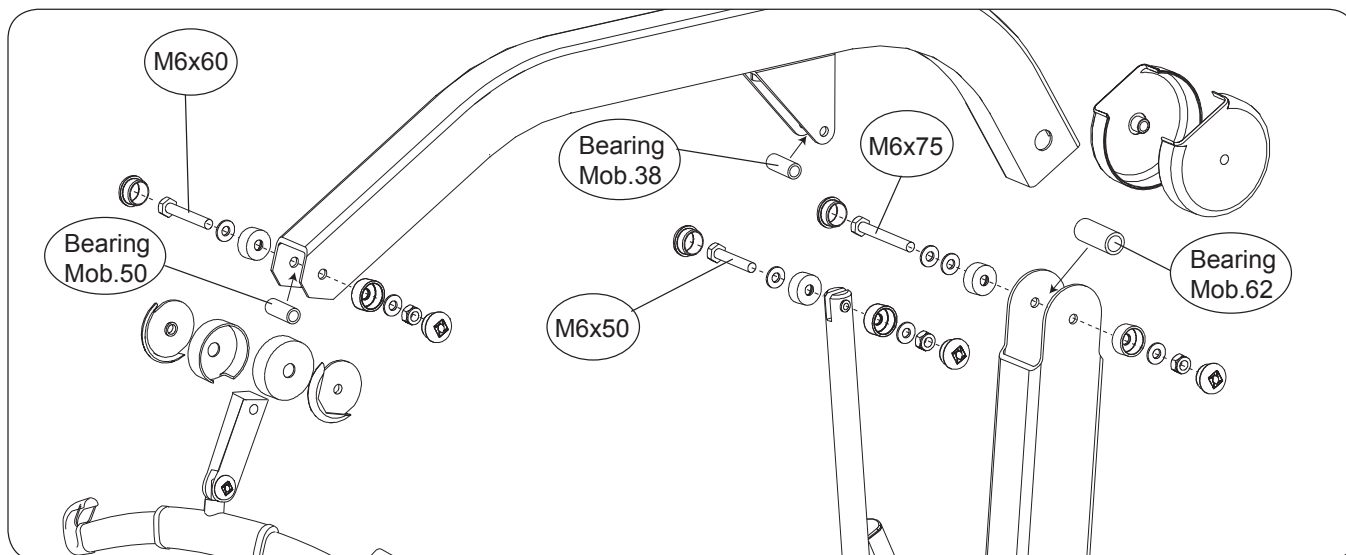
Fits:

Viking XL (Prod. No. 2040003), to S/N 801999
 Viking L (Prod. No. 2040004), to S/N 7200794
 Viking M (Prod. No. 2040005), to S/N 7106200

Tools required:



2X 10 mm



△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.

Assembly Instruction
Monteringsanvisning

For the North American market

Spare Part No:

20090022US, 20190014US, 20190076US, 20290011US, 20290024US, 20390007*, 20490009US, 20490013US

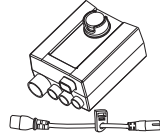
3SE630223-10

2012-08-09

Contains: Qty:

Control Box 1

Extension cable, US 1



For other markets:

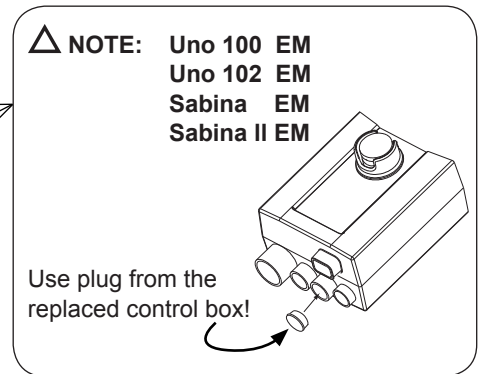
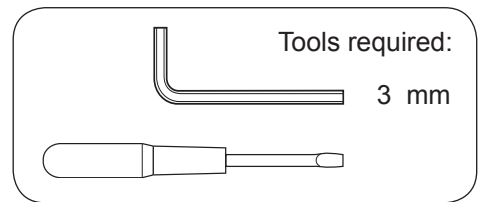
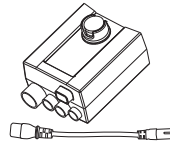
Spare Part No:

20090022, 20190014, 20190076, 20290011, 20290024, 20390007*, 20490009, 20490013

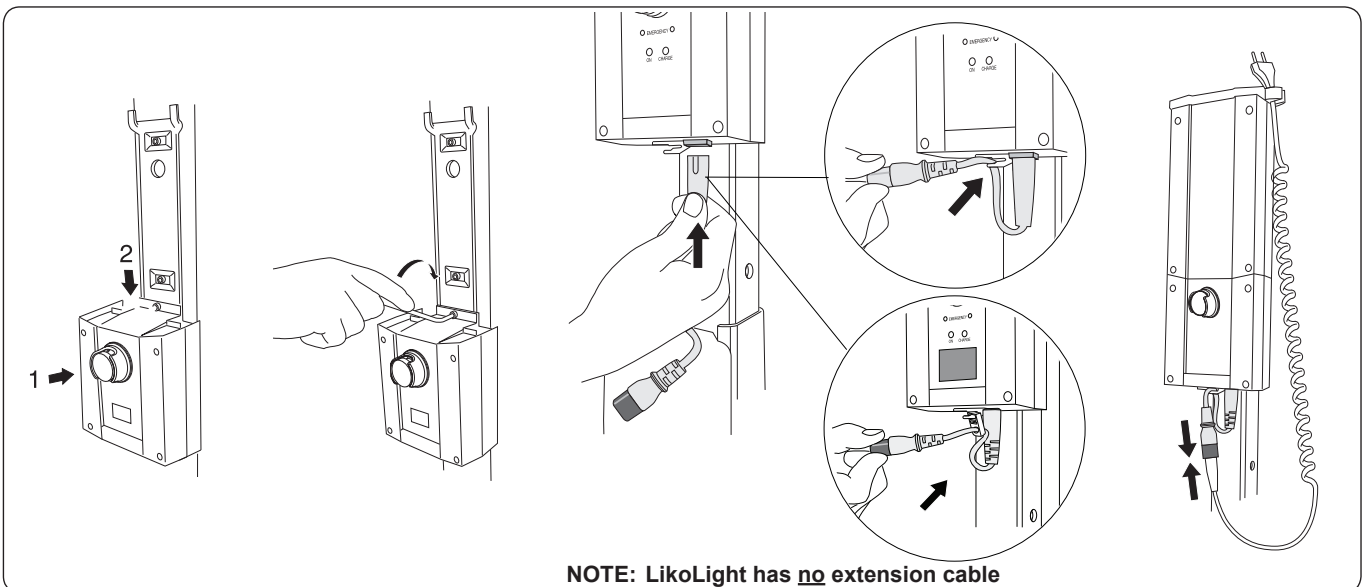
Contains: Qty:

Control Box 1

Extension cable 1



Part No.	Fits:
20090022, 20090022US	Golvo 7000ES / 7007ES, 7007 LowBase
20190014, 20190014US	Uno 102 ES
20190076, 20190076US	Uno 100 EM/EE Uno 102 EM/EE
20290011, 20290011US	Sabina EM/EE
20290024, 20290024US	Sabina II EM/EE
20390007	LikoLight (*Spare part without extension cable)
20490009, 20490009US	Viking XL (Prod. No. 2040003) Viking L (Prod. No. 2040004)
20490013, 20490013US	Viking M (Prod. No. 2040005)



NOTE

- Make sure that the spare part is approved for the lift, and that it is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Hill-Rom/Liko and using original Liko spare parts.

Assembly Instruction Monteringsanvisning

Prod. No. 20490010

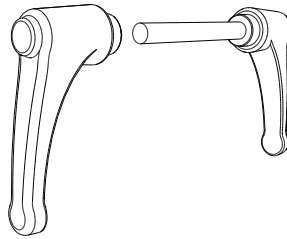
3SE630244-03
2009-06-26

Contains:

Lever M10 grey
Lever M10x85 grey

Qty:

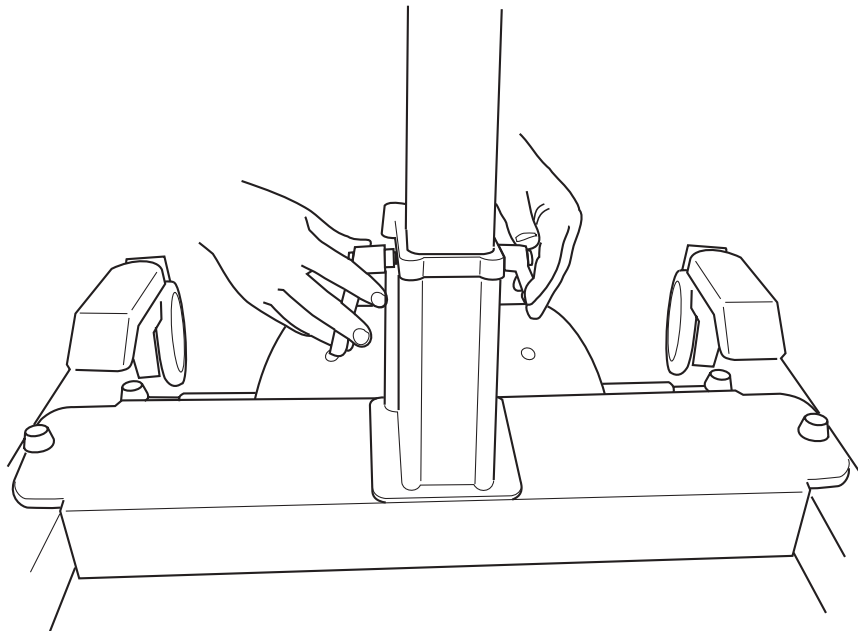
1
1



Fits:

Viking XL
Viking L
Viking M
Viking XS

Tools required:



Place locking handle in lower hole and tighten.

△ NOTE

- Make sure the spare part is mounted according to the assembly instruction.
- Check all functions related to the changed spare part.
- Repairs and maintenance may only be performed by personnel authorized by Liko/Hill-Rom and using original Liko spare parts.