



Service Manual EN

for

Stand-up/raising aid NORA



Description	Art.- No.
NORA ALU (incl. dual control box with on board charging)	921071008
NORA Alu (incl. 2 x batteries, wall charger and dual controls)	921071018
NORA (incl. dual control box with on board charging)	921070008
NORA (incl. 2 x batteries, wall charger and dual controls)	921070018

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1. Preface

This service instruction is valid only in association with the directions for use.

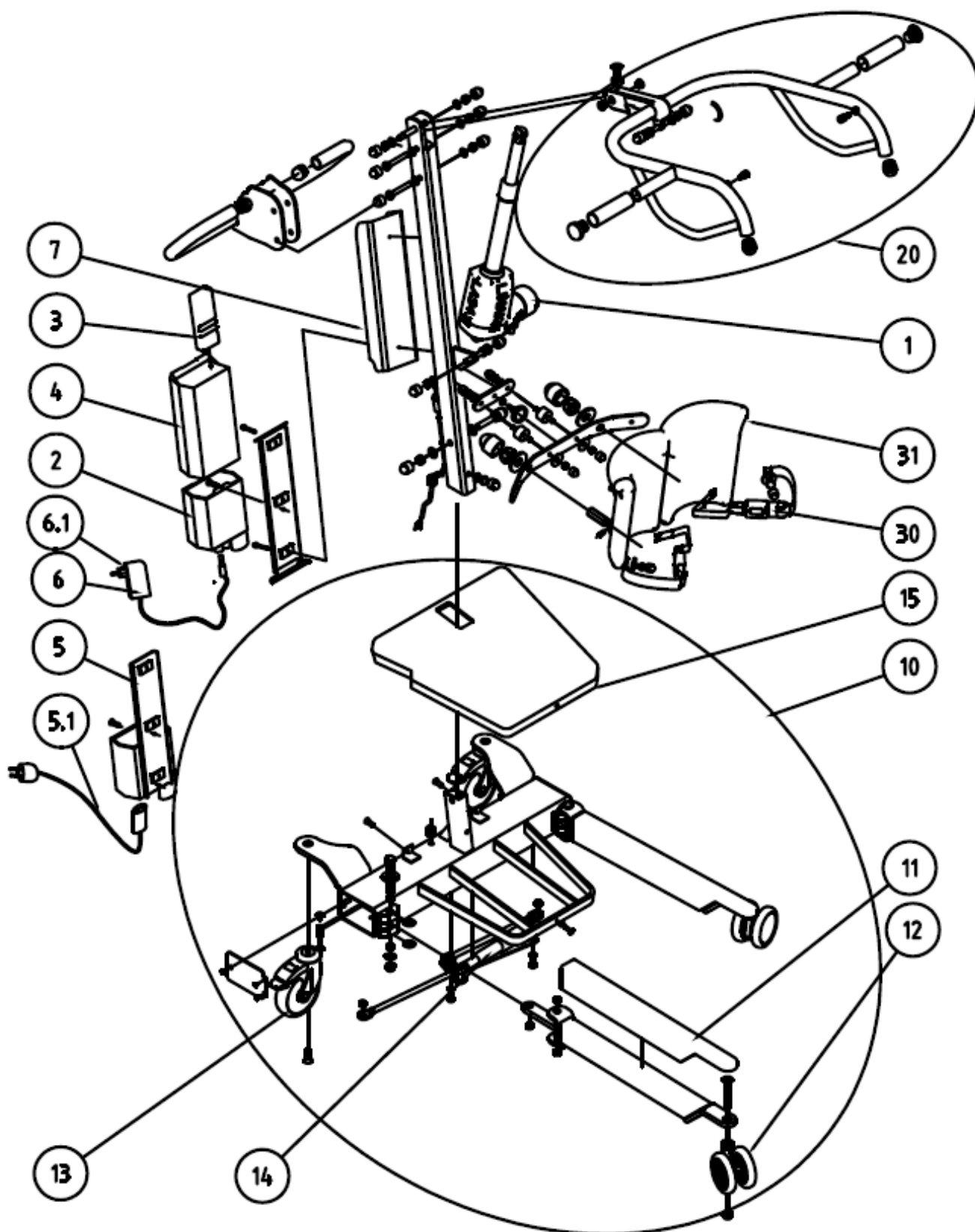
The activities described in these directions may be implemented only by persons authorized and trained by BEKA Hospitec GmbH.

Maintenance, as well as technical safety control-checks, may be implemented only by BEKA Hospitec or specialist firms authorized by BEKA Hospitec.

Assemblies, extensions, changes or repairs may be implemented only by BEKA Hospitec or specialist firms authorized by BEKA Hospitec.

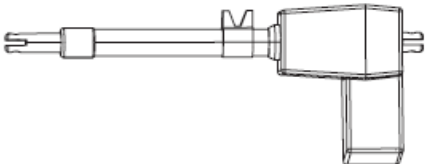
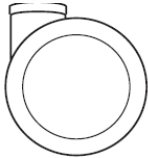
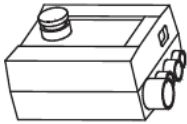
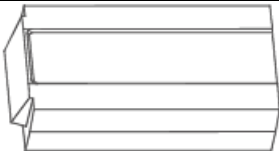
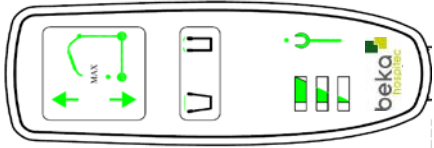
In case of technical interventions, such as attachments or changes to our devices, which are not implemented by BEKA Hospitec or specialist firms authorized by BEKA Hospitec, any guarantee for the changes, as well as for the device and/or device functions which are associated with the changes, is voided.

2. Assemblies



Pos. No.	Description	Pos. No.	Description
1	Hoist motor LA 34	10	Chassis complete
2	Control box CBJ-Care for LA 34	11	ABS cover for lifting leg
3	Hand control HD80	12	Double castor ø 100 mm
4	Battery	13	Castor ø 125 mm with brake
5	External charging station	14	Base motor CON35
5.1	Charging cable	15	Foot plate
6	Battery charger CH01	20	Sling bow for belts complete
6.1	Plug for battery charger CH01	30	Leg safety belts
7	Plate for control box	31	Leg holding upholstery

3. spare Part List

NORA				
Part. No.	Pos. No.	Article	Unit	Picture
K9200400		Bracket for control box	1	
T9200450	7	Plate for control box	1	
K9200102		Base Motor (CON35)	1	
K9200361	1	Hoist motor (LA34)	1	
K9200350	12	Front castor 100 mm (without brake)	2	
K0000770	13	Rear castor 120 mm (with brake)	2	
S9201301		Hook for Hand control	1	
K9200850	2	Control box	1	
921070600	4	Battery	1	
K9200700	3	Hand control	1	

4. Installation instructions

4.1 Crossbeam (complete)

Picture 1:

Required Tools:

1 x slotted screw driver
0,8 x 4,5

1 x ratchet ½"

1 x 17 mm spanner socket

1 x 17 mm combination wrench



Picture 2:

Detach the 2 caps.



Picture 3:

Detach the 2 caps of the upper screw of the hoist motor.



Picture 4:

Loosen and detach the upper screw of the hoist motor.



Picture 5:

Then detach the screw that retains the beam.



Picture 6:

Take the beam out of the mast.



Picture 7:

The picture shows the removed beam.



Picture 8:

The picture shows the mast without beam.



Picture 9:

The picture shows the new inserted beam.



Assembly takes place in reverse order.

4.2 Leg rest (complete)

Picture 1:

Required Tools:

- 1 x 13 mm wrench
- 1 x slotted screw driver 0,8 x 4,5
- 1 x ratchet ½"
- 1 x 24 mm spanner socket
- 1 x ratchet ¼"
- 1 x 13 mm spanner socket



Picture 2:

Detach the 2 caps.



Picture 3:

Loosen and detach the locking nut marked in the picture.



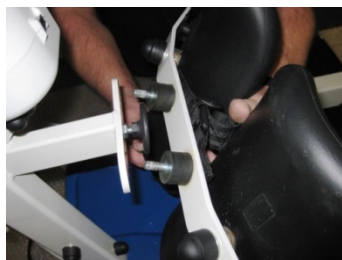
Picture 4:

Loosen and detach the locking nut marked in the picture.



Picture 5:

Detach the complete leg rest.



Assembly takes place in reverse order.

4.3 Leg support change

Picture 1:

Required Tools:

- 1 x 13 mm wrench
- 1 x slotted screw driver 0,8 x 4,5
- 1 x ratchet ½"
- 1 x 24 mm spanner socket
- 1 x ratchet ¼"
- 1 x 13 mm spanner socket



Picture 2:

Detach the cap.



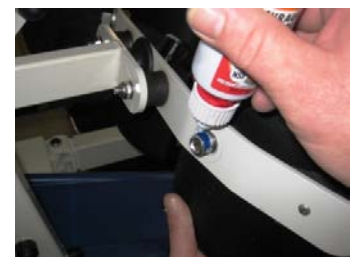
Picture 3:

Loosen and detach the locking nut shown in the picture.



Picture 4:

When mounting the leg support, please make sure to use a locking varnish (medium strength 21 Nm)



Assembly takes place in reverse order.

4.4 Pressure piece

Picture 1:

Required Tools:

- 1 x 13 mm wrench
- 1 x slotted screw driver
0,8 x 4,5
- 1 x ratchet ½"
- 1 x 24 mm spanner socket
- 1 x ratchet ¼"
- 1 x 13 mm spanner socket



Picture 2:
Detach the 2 caps.



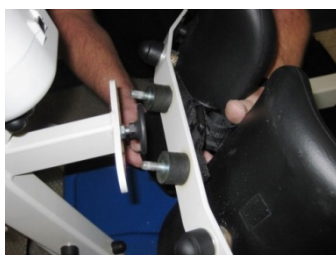
Picture 3:
Loosen and detach the
locking nut marked in the
picture.



Picture 4:
Loosen and detach the
locking nut marked in the
picture.



Picture 5:
Then detach the complete
leg shell.



Picture 6:
Loosen and detach the
pressure piece.



Picture 7:
When mounting the new
pressure piece, please
observe the specified
distance (2 cm).
Lock the pressure piece by
means of the counternut.



Assembly takes place in reverse order.

4.5 Leg safety belts

Picture 1:

Required Tools:

- 1 x 13 mm wrench
- 1 x slotted screw driver 0,8 x 4,5
- 1 x ratchet ½"
- 1 x 24 mm spanner socket
- 1 x ratchet ¼"
- 1 x 13 mm spanner socket



Picture 2:

At first the leg support of the respective side must be detached.



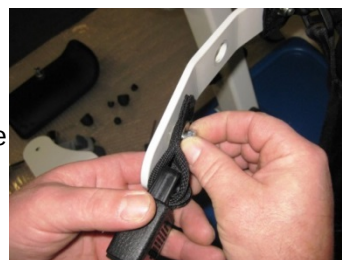
Picture 3:

Then loosen the screw of the belt.



Picture 4:

Then detach the screw of the belt.



Picture 5:

When mounting the belt, please make sure to use a locking varnish (medium strength **21 Nm**) for the screw.



Assembly takes place in reverse order.

4.6 Pole (complete)

Picture 1:

Required Tools:

- 1 x slotted screw driver 0,8 x 4,5
- 1 x 19 mm combination wrench
- 1 x ratchet ½"
- 1 x 19 mm spanner socket
- 1 x 17 mm spanner socket



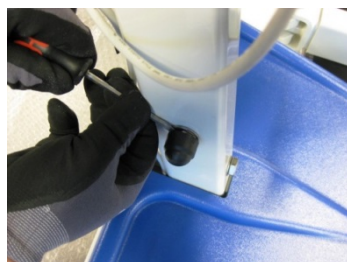
Picture 2:

Detach the cap.



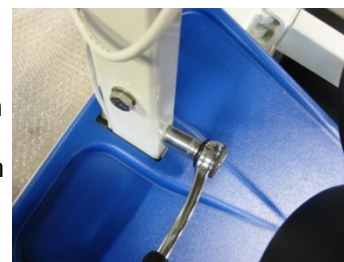
Picture 3:

Detach the cap.



Picture 4:

Loosen and detach the screw from the mast. When mounting the belt, please make sure to use a medium strength screw locking varnish (21 Nm).



Picture 5:

Loosen and detach the screw from the mast.



Picture 6:

The picture shows the mast with the screws detached.



Picture 7:

Detach the cable of the base motor from the control box and from the cable support.



Picture 8:

Then lift the mast off the base frame by pulling it slightly.



Assembly takes place in reverse order.

4.7 Motor LA 34

Picture 1:

Required Tools:

1 x small wood cube (or similar),
20 x 30 mm

1 x 17 mm combination wrench

1 x slotted screw driver 0,8 x 4,5

1 x ratchet ½"

1 x 17 mm spanner socket



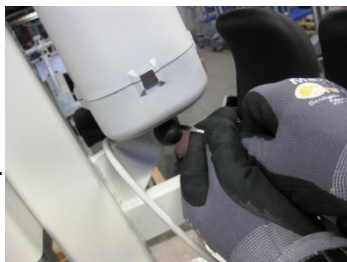
Picture 2:

Detach the cable of the hoist motor from the control box.



Picture 3:

Pull the cable back to the connection side of the motor.



Picture 4:

Detach the 2 caps of the upper screw of the hoist motor.



Picture 5:

Then put the small wood cube between the mast and the beam.



Picture 6:

Loosen and detach the upper screw of the hoist motor.



Picture 7:

Loosen and detach the lower screw of the hoist motor.



Picture 8:

Take out the hoist motor.



Picture 9:

Please pay attention to the mounting direction of the motor.



Assembly takes place in reverse order.

4.8 Base Motor change

Bild 1:

Required Tools:

- 1 x non-rebound hammer Ø 40 mm
- 1 x screwdriver PH3
- 1 x ratchet ½"
- 1 x 19 mm spanner socket
- 1 x 19 mm combination wrench
- 1 x circlip pliers
- 1 x T- T-handle hexagon
2,5 x 150 mm
- 1 x hexagon screwdriver 6 mm



Picture 2:
Detach the 3 screws marked
in the picture.



Picture 3:
Detach the cover.



Picture 4:
Detach the 3 screws marked
in the picture.



Picture 5:
Detach the cover.



Picture 6:
Set the circlip pliers to the
circlip.



Picture 7:
Detach the circlip by means
of the circlip pliers.



Picture 8:
Detach the linkage from the
guide bolt.



Picture 9:
Push the linkage slightly
aside.



Picture 10:
Detach the circlip on the
opposite side by means of
the circlip pliers, too.



Picture 11:
Detach the guide bolt by
pushing it up slightly.



Picture 12:
Mount an elevation (appr. 20
cm) under the chassis.



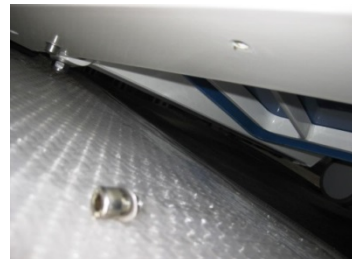
Picture 13:

Loosen the lower cylinder screw.



Picture 14:

Detach the lower cylinder screw.



Picture 15:

Then mount the elevation (appr. 20 cm) under the other side of the chassis.



Picture 16:

Loosen and detach the lower cylinder screw.



Picture 17:

Position the lifter so as to reach the axle bolt of the beam without problems.



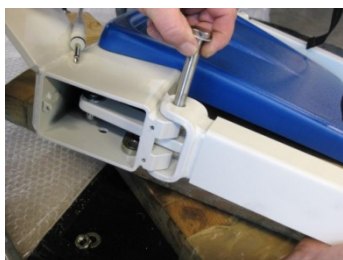
Picture 18:

Loosen the axle bolt of the beam.



Picture 19:

Then detach the axle bolt of the beam.



Picture 20:

Detach the guide bolt from the guide of the beam.



Picture 21:

Detach the 2 front screws from the cover.



Picture 22:

Push the cable for the base motor carefully inside through the sealing.



Picture 23:

In the picture you can see the length of the cable after having pushed it inside.



Picture 24:

Pull the guide frame with the base motor carefully off the cross beam.



Picture 25:

Then pull the plug connections of the base motor apart carefully.



Picture 26:

Now you can take out the base motor with the frame.



Picture 27:

Set the circlip pliers to the circlip.



Picture 28:

Detach the circlip by means of the circlip pliers.



Picture 29:

Take the base motor out of the frame.



Picture 30:

Then put the new base motor into the frame and fix the circlips.



Picture 31:

During the assembly make sure that the upper washer is mounted correctly.



Picture 32:

During the assembly make sure that the lower washer is mounted correctly.



Assembly takes place in reverse order.

4.9 Foot plate change

Picture 1:

Required Tools:

- 1 x slotted screw driver 0,8 x 4,5
- 1 x Phillips screwdriver PH3
- 1 x 19 mm combination wrench
- 1 x ratchet ½"
- 1 x 19 mm spanner socket
- 1 x 17 mm spanner socket



Picture 2:

Detach the cap.



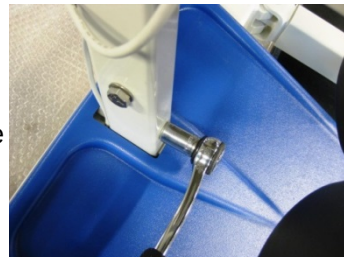
Picture 3:

Detach the cap.



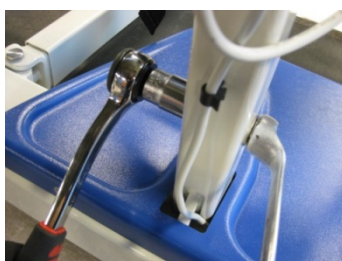
Picture 4:

Loosen and detach the screw from the mast. When mounting, please make sure to use a medium strength screw locking varnish (21 Nm).



Picture 5:

Loosen and detach the screw from the mast.



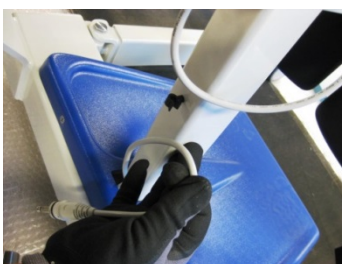
Picture 6:

The picture shows the mast with the screws detached.



Picture 7:

Remove the cable of the base motor from the control box and from the cable support.



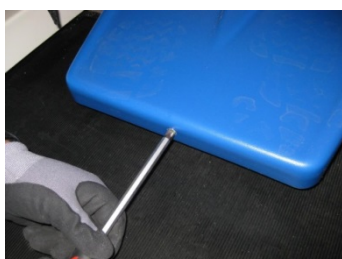
Picture 8:

Loosen and detach the 2 front screws from the foot plate.



Picture 9:

Loosen and detach the front screw from the foot plate.



Picture 10:

Lift the mast out of the base frame by pulling it slightly.



Picture 11:

The picture shows the base frame with the foot plate.



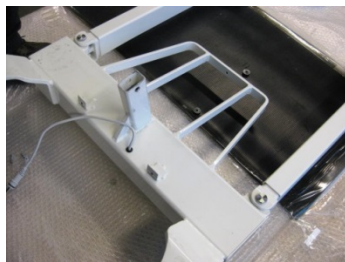
Picture 12:

Then detach the foot plate.



Picture 13:

The picture shows the base frame without the foot plate.

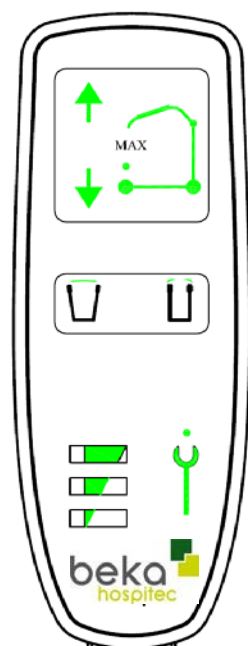
**Picture 14:**

During the assembly make sure that the front screw of the foot plate.

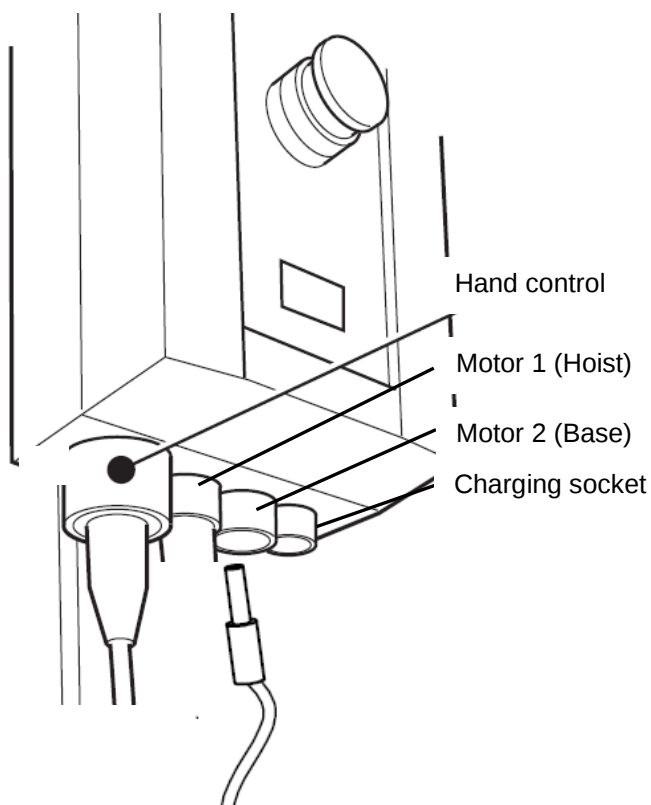


Assembly takes place in reverse order.

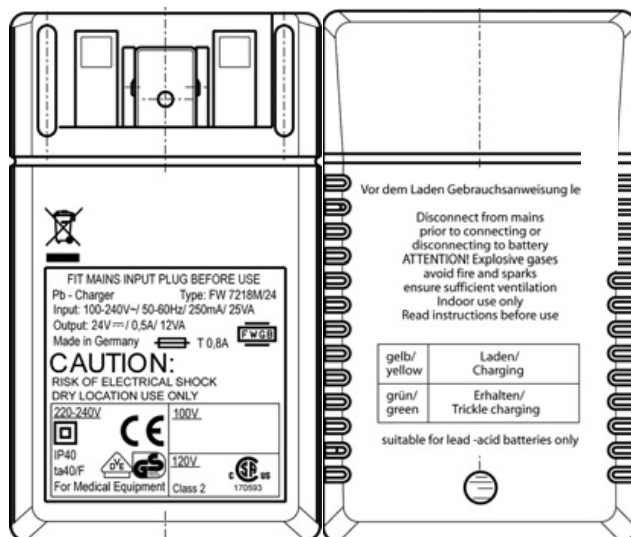
5. Hand Control



6. Connecting control box



7. Charger CH01



USA

UK

EURO

8. Hoist motor



Motor: LINAK LA 34

9. Base motor



Motor: CON35

10.Periodic Inspection

Periodic Inspection acc. to EN ISO 10535

Testing organisation:

BEKA Hospitec GmbH
Am Rübenmorgen 3
35582 Wetzlar / Dutenhofen

Typ of performance

Test after repair

Device: Standing / raising aid NORA

SN:

Applied part type: B

Engineer

Paul Feringer

Typ:

Manufacturer: BEKA Hospitec GmbH

Mains connection: DPS

Protection class: II

Accessories:	SN:	YES	NO	Note		
1 Scale	- . - . - . - . - . - . - . - . - .	☐	☐			
1 Sling		☐	☐			
Visual and Functional Test		Pass	Fail	Note		
1. Check mast and Sling suspension (dents, scratches, deformities, unusual surface wear)		☐	☐			
1.1 Check base (scratches, deformities, unusual surface wear, opening and closing)		☐	☐			
1.2 Check castor and castor brakes (turn freely, lock brakes, rolls straight on, cleaned)		☐	☐			
1.3 Screw connections (strength)		☐	☐			
1.4 Inspect the lift arm (lowers and raises freely, screws are secure)		☐	☐			
1.5 Inspect the Flexlink arm to Sling suspension (rotates freely, screws are secure)		☐	☐			
1.6 Inspect the Sling suspension (scratches, deformities, locating pin, rotates freely)		☐	☐			
1.7 Inspect the control box (LED, charging, all cords are in)		☐	☐			
1.8 Check handcontrol (check all functions)		☐	☐			
1.9 Check Emergency Stop (check function)		☐	☐			
1.10 Check Emergency lowering (electrical)		☐	☐			
1.11 Labeling (SN, REF, CE-Sign)		☐	☐			
1.12 Check max. Load (disconnection)		☐	☐			
1.13 Check Emergency lowering (mechanical)		☐	☐			
1.14 Check Moving handle (strength)		☐	☐			
1.15 Check electrical connections and seal up (Channel 2, connector for CH01-Charger)		☐	☐			
1.16 Documentation (User Manual, etc.)		☐	☐			
Test Equipment:	SN:	Calibration Date:				
Functional test:	set value	measured value	Complies			
			YES	NO		
Run the lift with maximum load (automatic disconnection of supply)	200 kg ± 4 kg 440 lbs ± 8,8 lbs	kg / lbs	☐	☐		
Overall assessment:			Next Service Date			
☐ No safety or functional deficiencies were detected			MM / YY /			
☐ No direct risk, deficiencies detected may be corrected on short term						
☐ Equipment does not comply – Taking out of service – is recommended						
Evaluation:	DATE		Signature Test Engineer			

FB 19/01 EN Rev.03

PIE: Permanent installed equipment **NPS:** Non-Detachable Power Supply Cord **DPS:** Detachable Power Supply Cord

