



OPERATION AND SERVICE MANUAL



Chassis
HYD-00-123
EL-00-123

CE-certified according to the directive for medical products 93/42/EEG incl. addition and EMC-directive 89/336/EQF according to standard EN60601-1-2:1993.

NOTE!

This chassis may ONLY be used together with CE certified **tarsus** portable couches mounted on the chassis according to the description found in this owner's manual. The chassis and couch should be used for treatments and examinations, with the patient sitting or lying down. To achieve maximum life length of the table, do not overload.

NOTE! To avoid unnecessary risks for both the patient and the operator, the operator MUST read through the Operation and Service Manual thoroughly before using the product.

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Contents

Preface

Warranty

Important information

Specification of accessories

Function descriptions

Adjusting the height of the chassis

Castors

Maintenance and cleaning

Lubrication

Description, technical documentation

Change of components

- The hydraulic pump
- The electric motor

Preface

Welcome as owner of a Tarsus chassis, produced by our production company Sjöbloms/Tarsus. We hope that you will be pleased with this quality product. Your satisfaction is our goal. If a problem arises, you are of course always welcome to contact our service department, and our expert staff will assist you to solve the problem in every way needed.

This Operation and Service Manual contains all needed information for usage, maintenance and service of the product, as well as instructions on how to exchange spare parts. The Operation and Service Manual is being up-dated on a regular basis when needed, and when the product is being modified. Future changes in the manual may therefore occur, for which we make a certain reservation.

Warranty

10 years warranty against defects in materials, construction and production. 2 years warranty on motors and hydraulic pumps. The warranty is void if the product is improperly used or altered. The warranty does not include normal wear and tear. The warranty does not include damage or defect caused by accident, misuse or abnormal working conditions. It is important that needed service and maintenance is executed according to instructions in this manual.

Important information

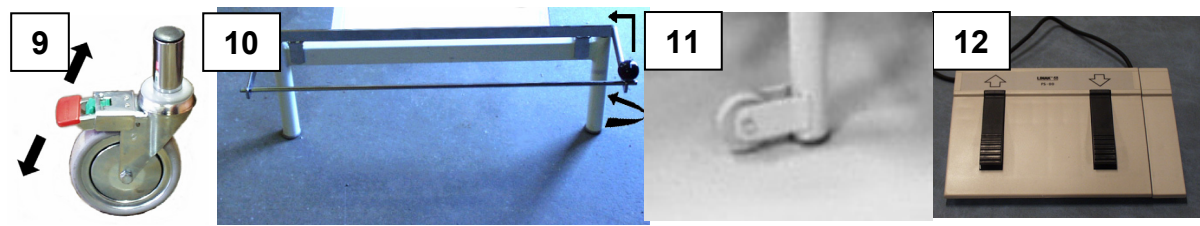
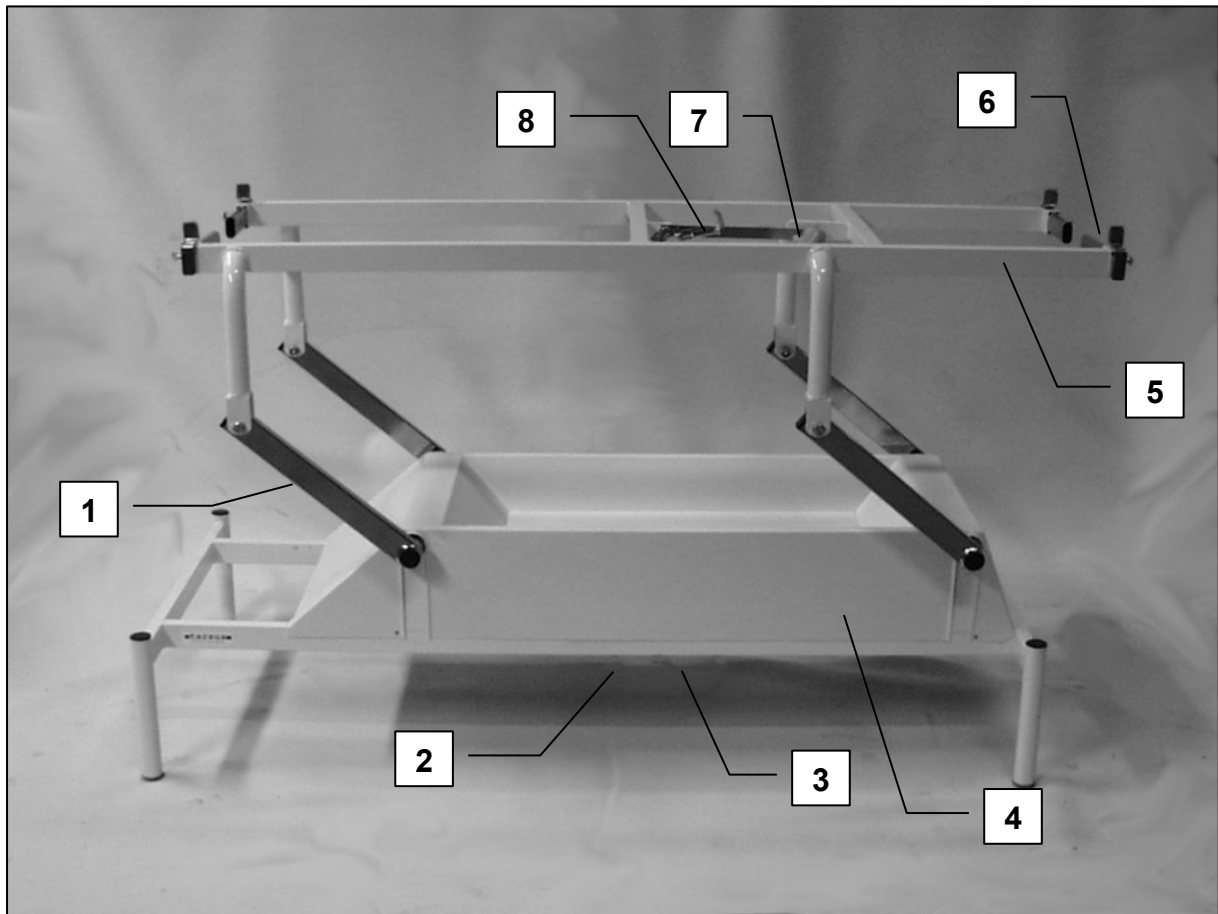
The Operation and Service Manual must be read thoroughly before using the product, to avoid unnecessary risks for both patient and operator.

The Operation and Service Manual contains warnings, noting where risks for personal injury may occur. These warnings must be noticed and respected. A warning triangle is shown where very important information could be found.



Warning triangle!

Specification of accessories



<u>Pos</u>	<u>Article</u>
1	Lifting arms
2	Motor / hydraulic pump
3	Power supply (for the electric model)
4	Protective plastic box
5	Frame for massage couch
6	Attachments
7	Handle
8	Hook lock
9	Lockable castors
10	Paper dispenser
11	Transportation castors
12	Foot pedal

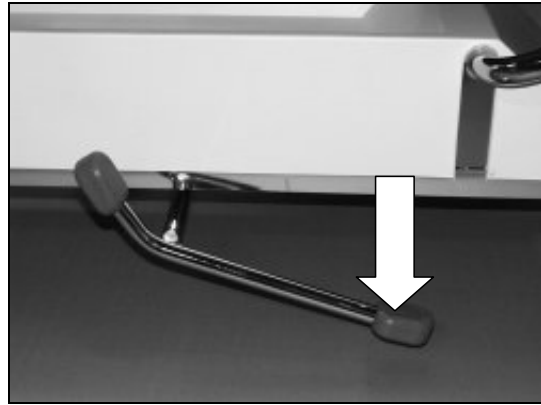
Function descriptions

Adjustment in height

Hydraulic adjustable

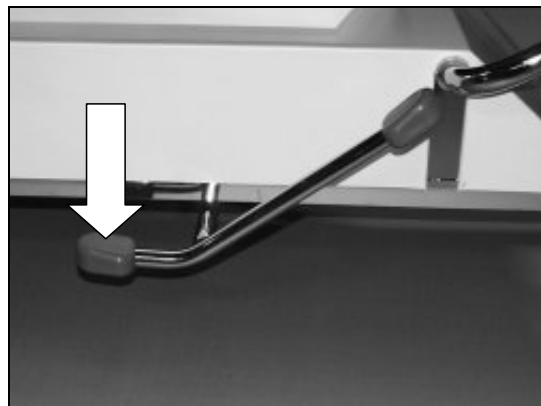
Raising the chassis

Use your foot to pump the long side of the pedal. Repeat until desired height has been reached.

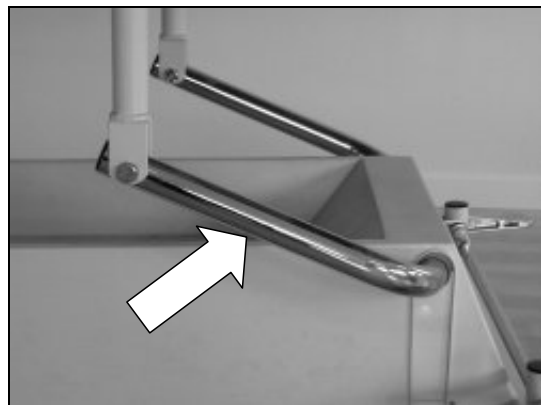


Lowering the chassis

Press down the short side of the pedal, until desired height has been reached.



Warning! Make sure that no unauthorized persons have any part of their body within the working range of the examination table, since there is a risk of crushing between the lifting arms and the plastic box (**see arrow**).

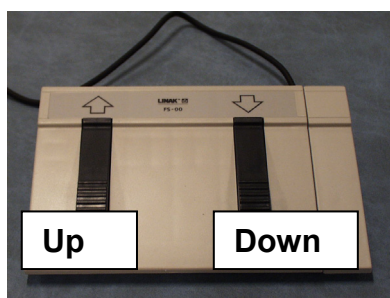


Electrically adjustable

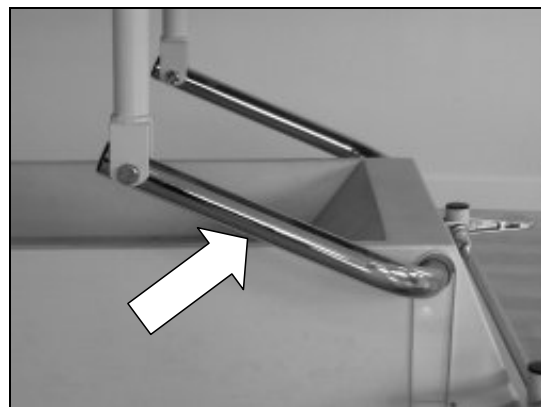
Plug in

The plug shall be connected to a earthed 230V-point. The chassis is now ready to be used.

On the electrically adjustable chassis, the height is adjustable by means of a foot control. The left button raises the table and the right button lowers the table.



Warning! Make sure that no unauthorized persons have any part of their body within the working range of the examination table, since there is a risk of crushing between the lifting arms and the plastic box (see arrow).



Central locking castors

Locked castors



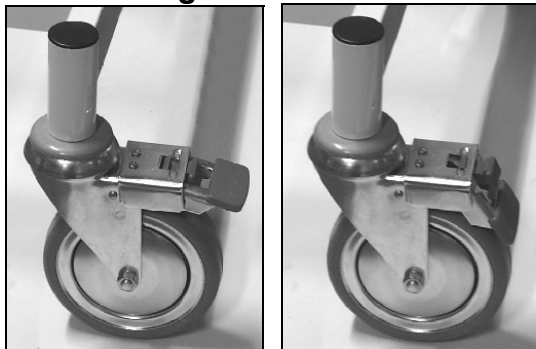
Unlocked castors



Locked castors

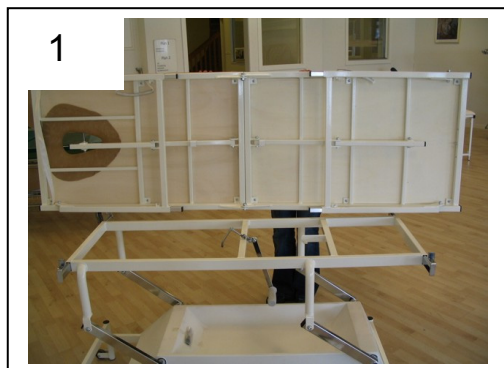


Four locking castors



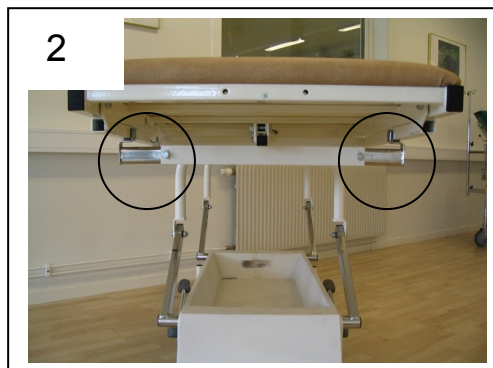
Unlocked castors Locked castors

Mounting the massage couch



1
Fold in the legs of the couch.
Make sure the headrest / face aperture is positioned as on the picture.

Adjust the chassis to its highest position.



2
Unscrew and adjust the attachments according to the width of your couch, by using a 13mm key.

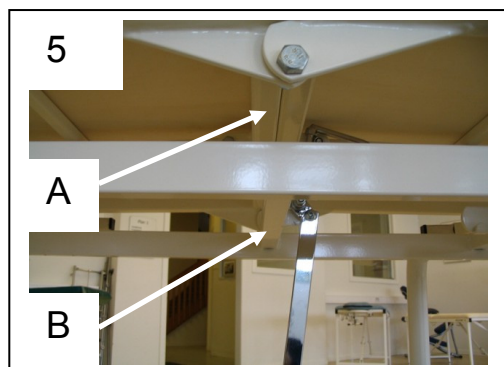
Note! Make sure that the positions of the attachments, in the four corners, are similar on all sides.



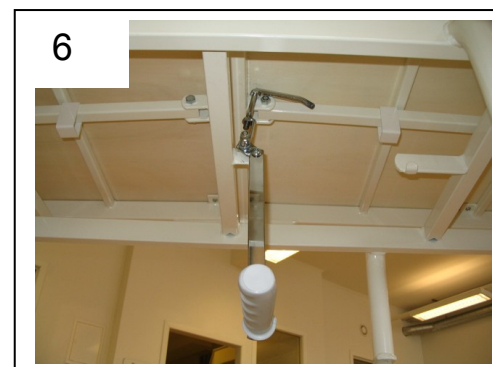
3
Wrong!



4
Right!



5
Make sure the middle of the couch (A) is direct above the middle crossbar of the chassis (B)



6
The level of tightness of the couch onto the chassis can be adjusted by screwing or unscrewing the hook.

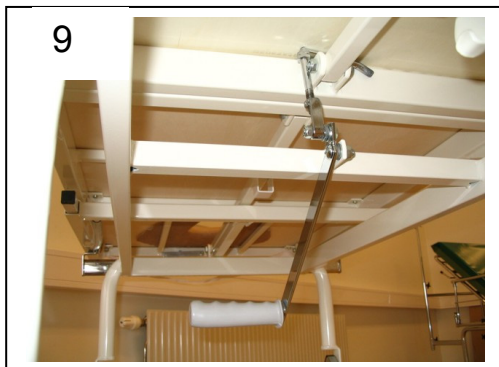
It is always best to start with the hook screwed halfway.



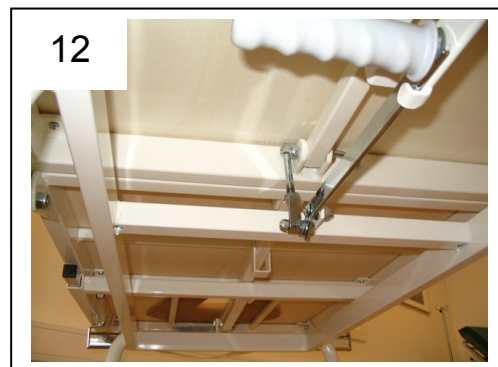
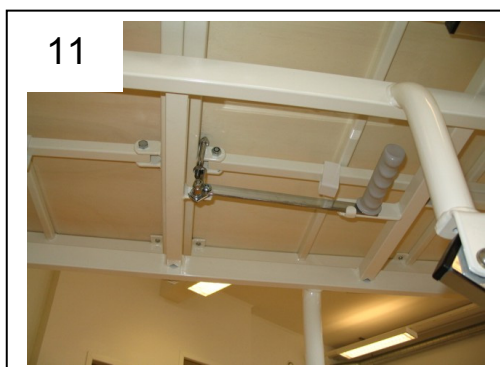
Lift the handle upwards a little at the same time as placing the hook between the white strut and the wooden board.



Place the hook between the crossbar and the bolt. When done correctly it should look like picture 8 and 9



Lift the handle upwards and hook it in position, see picture 11 and 12. If it is almost impossible to lift the handle upwards or if the couch doesn't seem to be fastened properly; adjust this by unscrewing or screwing the hook



Done!

Maintenance and cleaning

The table basically requires no maintenance, but routine checks are to be carried out in order to secure full function.



Omission of the following routine check-ups may expose the patient to unnecessary risks and may reduce the life length of the table. Therefore, check all the functions and parts of the table on a regular basis.

Check following:

- Any jarring sound that may occur
- The function of the gas-springs
- The locking mechanism of the castors
- Damages on the electric cables (if the table is electrically adjustable).
- The function of the motor or the hydraulic pump

Lubrication

Lubrication of all moving parts should be carried out every sixth month, according to schedule

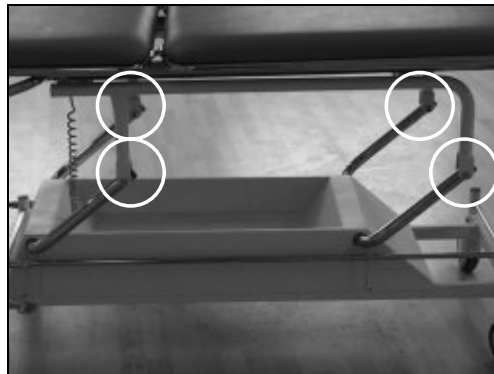
Use lubricating oil for the four lifting arms (see marked areas).

Make sure that lubrication is applied around the lifting arm joints, to eliminate any jarring sound that may occur. Wipe off overflowing oil.

Lubricate the lifting arm attachments.

Lock the castors so that the examination table does not move. Flip the couch gently sideways (have someone help you), so that you may lubricate the link arm attachments.

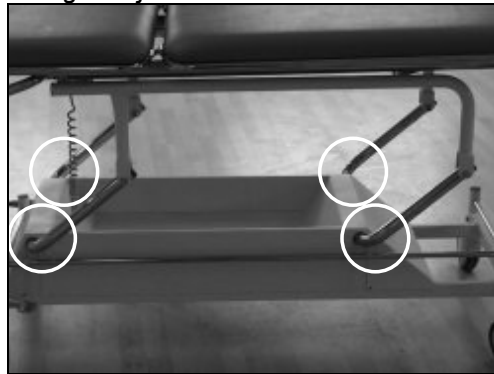
If extensive maintenance is necessary, please contact Tarsus.



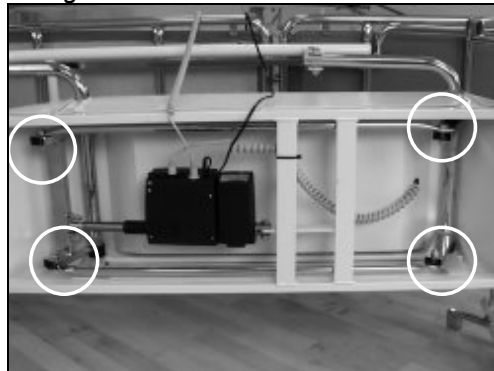
Lifting arm joint



Lifting arm joint



Lifting arm attachments



Link arm attachments

Description, technical documentation

Electrically or hydraulically adjustable in height.

Chassis

All-welded chromium-plated or white epoxy coated, with motor or hydraulics as well as link arms covered under the plastic box.

Hydraulics

Römheld Nr 8921-500-406

Motor

Linak® LA31

Castors

- A pair of castors for transportation. Standard.: 2 50mm castors.
- 4 lockable castors, 75 or 150 mm central looked thread protected castors

Measure

Length: 195 cm, width: 70 cm.

Adjustable in height between: 45-81cm.

Width 42 cm at the top, 61 cm between the legs.

Weight

Of the chassis: 33 kg.

Maximum work load

180 kg

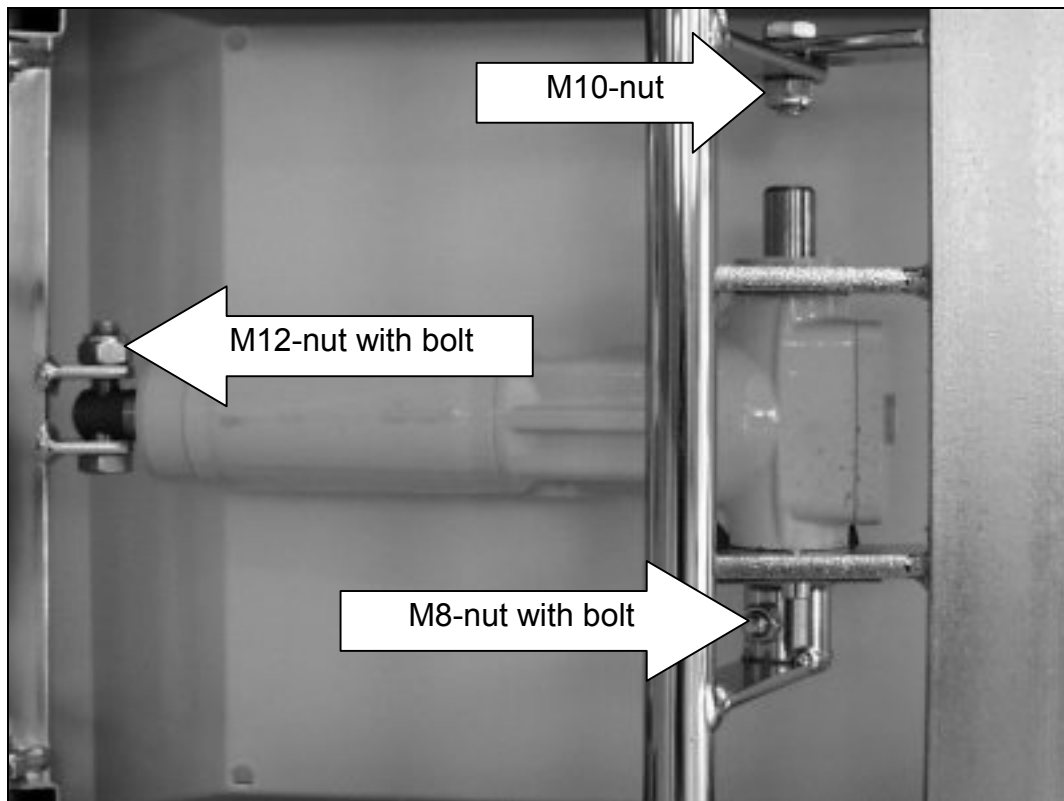
Change of components

Changing the hydraulic pump



Warning!

Note that the chassis will fall to its lowest position when the hydraulic pump is removed. This causes a risk for injury by crushing. Therefore the chassis **MUST** be placed on the side before changing the hydraulic pump.



1. Have someone help you move the chassis to its side.
2. Remove the M10-nut on the pedal.
3. Remove the M8-nut on the pedal.
4. Remove the M8-bolt by using a hammer, plastic or metal.
5. Remove the M12-nut on the hydraulic pump and remove the M12-bolt.
6. Change the hydraulic pump. Mount in reverse order.

Changing the electric motor



Warning!

Before changing the motor, the power-supply MUST be switched off and unplugged.

Changing the lifting motor, LINAK LA31



Note that the chassis will fall to its lowest position when changing the motor. This causes a risk for injury by crushing. Therefore the chassis MUST be placed on the side before changing the motor.

1. Have someone help you move the chassis to its side.
2. Remove plug from the power supply CB09
3. Remove the M10-nut on the pedal.
4. Change the motor
5. Mount in reverse order.