



Afia 4040, 4050 and 4140
Examination tables



Operating instructions

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1 Lojer Afia 4040, 4140 and 4050 examination tables

Lojer Afia 4040 examination and treatment table, 4050 gynaecological general examination table and 4140 general examination table are intended for use in examinations and treatments by medical staff in hospitals and clinics.

The models 4040 and 4140 have a two-piece table top; the 4050 has a three-piece table top. The models 4140 and 4050 have a gynaecological seat at the rear end of the table.

Read these instructions carefully before the use of the examination table.



NOTE! Follow the instructions with this label to avoid damage.

2 Parts of the examination tables

The numbered parts of the examination tables are listed below the picture of each model.

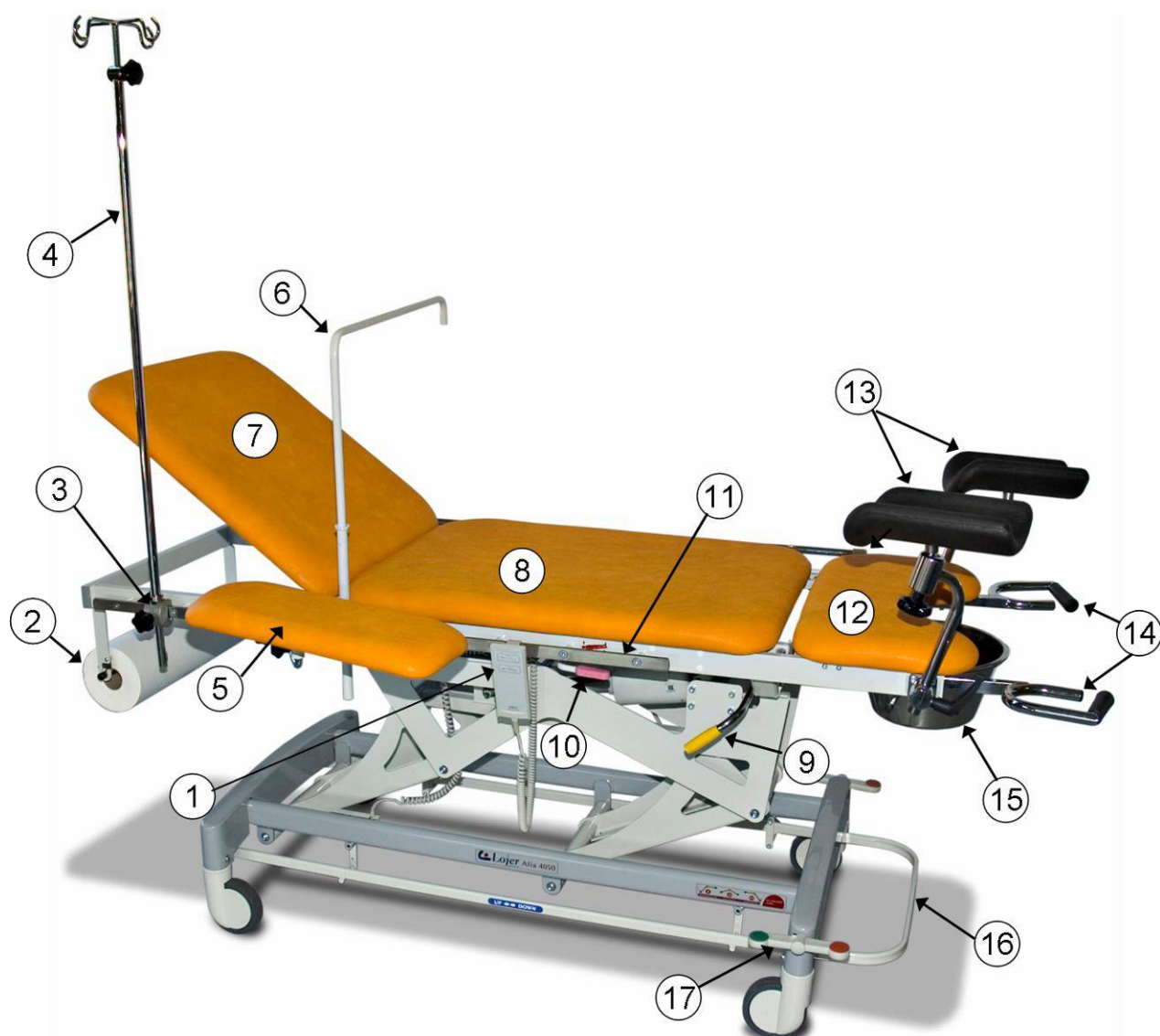
2.1 Afia 4040



- 1 Hand control
- 2 Paper roll holder
- 3 Backrest
- 4 Foot control
- 5 Central locking pedal

Figure 1. Afia 4040 examination and treatment table

2.2 Afia 4050



- 1 Hand control
- 2 Paper roll holder
- 3 Mounting adapter
- 4 Infusion pole (accessory)
- 5 Arm support plate (accessory)
- 6 Anaesthesia screen (accessory)
- 7 Backrest
- 8 Gynaecological backrest
- 9 Adjusting lever for gynaecological backrest
- 10 Trendelenburg lever (option)
- 11 Side rail (accessory)
- 12 Seat
- 13 Leg support (accessory)
- 14 Heel support

- 15 Bowl
- 16 Foot control
- 17 Central locking pedal

Figure 2. Afia 4050 gynaecological general examination table

2.3 Afia 4140

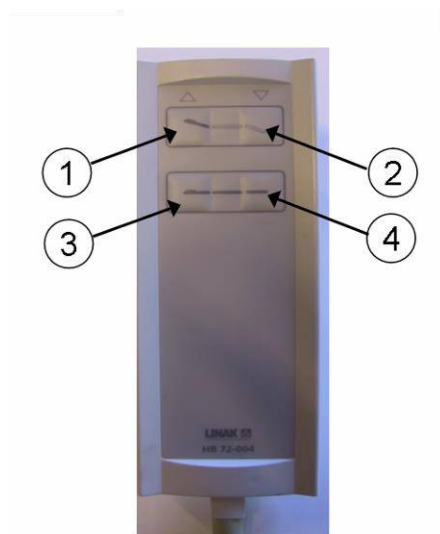


- 1 Hand control
- 2 Paper roll holder
- 3 Backrest
- 4 Heel support
- 5 Bowl
- 6 Foot control
- 7 Central locking pedal

Figure 3. Afia 4140 general examination table

2.4 Hand control

All examination tables have a hand control device for backrest and height adjustment functions.



- 1 Backrest up
- 2 Backrest down
- 3 Table top up
- 4 Table top down

Figure 4. Hand control functions

2.5 Options and accessories for examination tables

Examination tables are available with following options:

- Separately lockable wheels
- Trendelenburg function
- Special upholstery

Following accessories are available for examination tables:



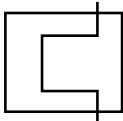
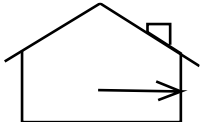
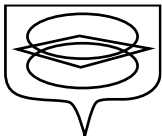
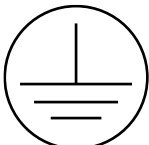
- Side rails
- Mounting adapter D20 for accessories
- Adjustable D20 fastener
- Infusion pole
- Arm support plate
- Handrails
- Leg supports
- Neck cushion

- Many accessories for operation tables with standard attachment to side rails (More detailed information from Lojer sales, see section *12 Contact information*.)

See the picture of Afia 4050 examination table for more detailed information about locations of the accessories (Section *2.2 Afia 4050*).

2.6 Symbols used on the examination tables

The following designations and symbols are used on all Afia examination tables and couches. The symbols are located on the control unit under the table top.

Symbol	Description
	This product complies with guideline 93/42/EEC
IPX4	Protection against fluids (electric devices)
	Device type B
	Transformer with overheating protection
	Indoor device
	Protective insulation
	Protective ground

3 Inspection of delivery

Before commissioning the device, make sure that the transport package is intact with no transport damage.

Report eventual transport damage to the carrier and the supplier within two days from the delivery.

Check that all the parts listed in the packing list are included in the delivery. If something is missing, contact the supplier immediately.

Permitted transport and storage temperature for this device is from -5 °C to +60 °C and relative humidity of storage space from 30 % to 75 %.

4 Commissioning

This product is intended for use in normal, dry indoor conditions. Make sure that room temperature is from +10 °C to +40°C and relative humidity from 30 % to 75%

Do the following before the commissioning:

- Make sure that all packaging material has been removed.
- Make sure that the examination table can move freely up and down.
- Set the examination table on its operating site and immobilize the wheels.
- Connect the power cord to 230 V grounded plug.



NOTE! Make sure that the power cord is hanging loose between the plug and the examination table. Do not tie up the cord to the examination table, because the raising movement can cut it off.



NOTE! Do not place anything (for example a chair) under the examination table, because the table must be able to move freely up and down.



NOTE! Do not place the examination table too close to a wall or under a ledge on the wall.



NOTE! Do not alter the construction of the examination table or mount other parts on it than original parts mentioned in these instructions.

4.1 Mounting of side rails

Following accessories require the mounting of a side rail:

- Armrest
- Infusion pole
- Adjustable and mounting adapters.
- Many accessories for operation tables.

NOTE! A 5 mm Allen key and a 13 mm spanner are required for mounting.

Maximum three side rails can be mounted on both sides of the examination table .

1. Remove plastic plugs (3 pcs) from the side of the examination table.
2. Insert bushings (3 st) into the holes.

3. Set the rail against the table side so that the holes in the rail meet the bushings.
4. Insert a screw through the hole and the bushing.
5. Turn locking nuts (3 pcs) onto the screws from inside the table frame with the spanner.
6. Tighten the screws with the Allen key.



Figure 5. Side rail

5 Using the examination table

5.1 Movements of table top sections

Maximum movement and adjustment ranges of the table top sections are illustrated below.

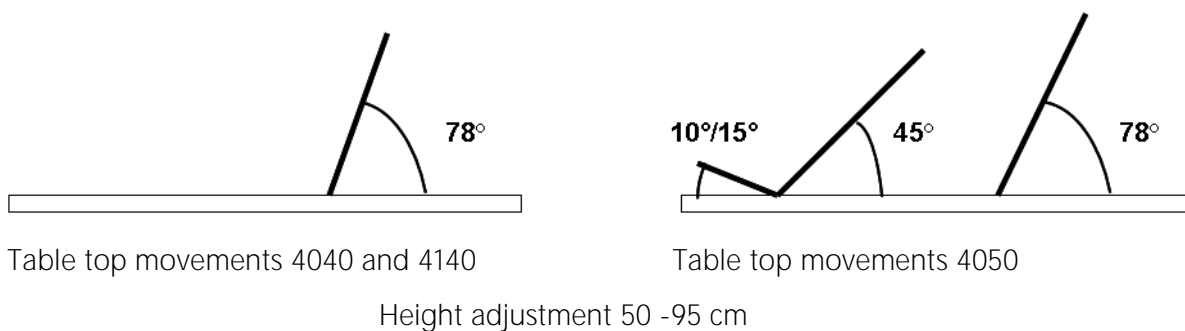


Figure 6. Maximum movement and adjustment ranges of the examination tables

5.2 Locking the wheels

The examination table has central locking on the wheels. On both sides of the examination table there is a two-sided pedal with a green mark on one end and a red mark on the other end.

Immobilize the wheels by pressing down the red end of the pedal. You can do this with either of the pedals.

When the pedal is in horizontal position the wheels can move freely.

To ease the transportation you can lock a front wheel into a direction by pressing down the green end of the pedal by the wheel to be locked. Make sure that the wheel is locked by moving the examination table sideways.



- 1 Wheel immobilized (red end down)
- 2 Wheel free (pedal in horizontal position)
- 3 Direction lock (green end down)

Figure 7. Locking the wheels

5.3 Height adjustment

The examination table has electric height adjustment function. The height is adjustable between 50 and 95 cm.



CAUTION! Make sure that nobody or nothing is under the examination table during the raising or lowering movement (risk of squeezing).

5.3.1 Height adjustment with hand control

You can raise or lower the examination table by pressing the hand control buttons.



- 1 Raising the table
- 2 Lowering the table

Figure 8. Height adjustment with hand control

5.3.2 Height adjustment with foot control



NOTE! The foot control works only in lengthwise direction. Do not press it or stand on it!

The table top rises by moving the foot control on rear end of the table upwards (PUSH) and goes down by moving the foot control down (PULL).



Figure 9. Foot control on rear end of the table

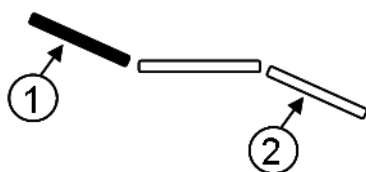
On the side of the examination table the table top can be raised by moving the foot control towards the front end of the table and lowered by moving the foot control towards the rear end of the table.



Figure 10. Foot control on the side of the table

5.4 Adjusting the backrest

You can raise or lower the backrest by pressing the hand control buttons. The backrest is adjustable between 0 and 78°.



- 1 Raise
- 2 Lower

Figure 11. Adjusting the backrest with hand control

5.5 Adjusting the gynaecological backrest (4050)

Gynaecological backrest (middle section of examination table 4050) can be lifted by turning the yellow handle under the middle section. The backrest locks into place when the handle is released. Gynaecological backrest can be raised to 45° angle.

The gynaecological backrest is lowered by turning the handle and pressing the backrest to desired position.

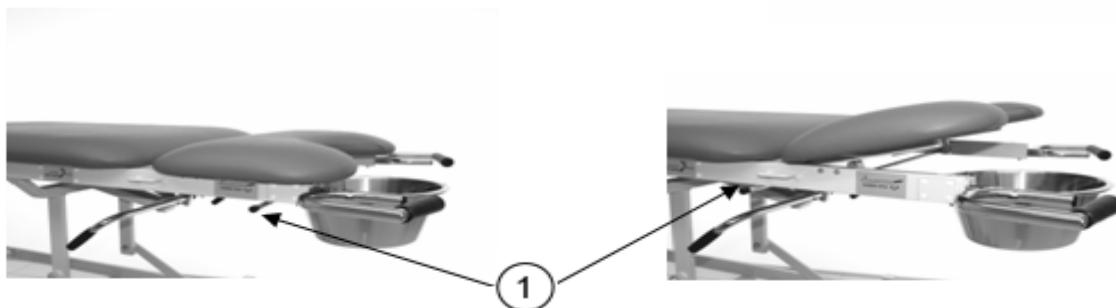


1 Lever for gynaecological backrest

Figure 12. Gynaecological backrest

5.6 Adjusting the seat (4050)

Seat of examination table 4050 can be lifted by turning the handle under the seat. The seat can be lifted to two different angles: 10° eller 15°.



1 Handle

Figure 13. Adjusting the seat, model 4050

5.7 Adjusting the heel supports (4140 and 4050)

Examination tables 4140 and 4050 have longitudinally adjustable heel supports at the rear end.

1. Lift the heel support and pull it out or push it in.
2. Lower the heel support and pull or push it so that it is locked in a locking hole. There are five locking holes in the heel support arms.
3. Check always that the heel support is locked into its place.

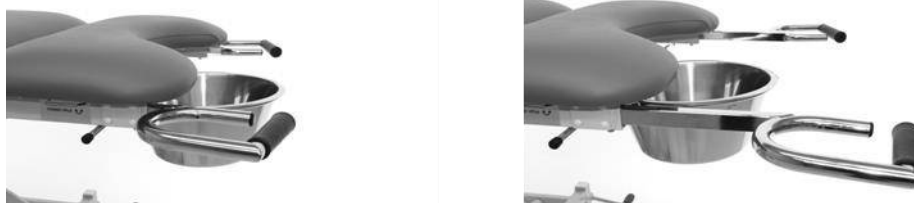


Figure 14. Heel supports

5.8 Swiveling in/out and removing the bowl (4140 and 4050)

Examination tables 4140 and 4050 are equipped with a bowl. You can swivel the bowl under the seat or out steplessly. You can remove the bowl by swivelling it first out and lifting it from the holder.

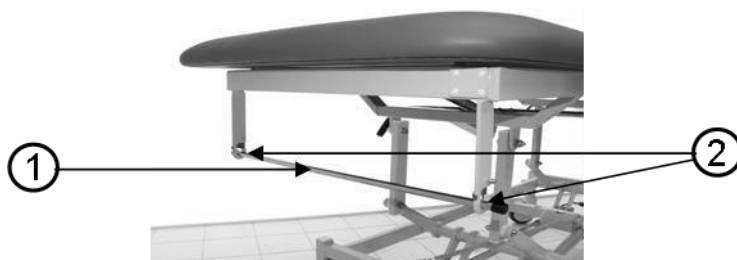


Figure 15. Bowl

5.9 Paper roll holder

The paper roll holder is located under the front end of the examination table. The paper roll holder axle is locked into its place. Suitable paper rolls are available from Lojer sales.

1. Remove the paper roll axle by releasing the locks (2) with fingers.
2. Put the axle with paper roll into its place by pushing the axle into its slot.



- 1 Paper roll axle
- 2 Paper roll axle locks, 2 pcs.

Figure 16. Paper roll holder

5.10 Trendelenburg function

On the side of the examination table there is a red handle, which can be used for adjusting the longitudinal inclination of the table by lifting the handle and tilt the table top.

The inclination is locked when the handle is released.



1 Trendelenburg handle

Figure 17. Trendelenburg function

5.11 Mounting of mounting adapter

The mounting adapter is mounted onto the side rail for attaching the accessories. The mounting adapter can be mounted anywhere on the side rail.

1. Set the mounting adapter on the side rail.
2. Push the accessory shaft/pole through the mounting adapter hole.
3. Fasten the mounting adapter with accessory by tightening the adjuster screw.



Figure 18. Mounting adapter

5.12 Using the arm support plate

An arm support plate can be mounted onto side rail of the examination table. Arm support with stem can be moved to the other side if required.



- 1 Mounting adapter screw
- 2 Cushion locking screw

Figure 19. Arm support plate

5.12.1 Mounting of arm support

1. Push the arm support stem pin through the mounting adapter hole.
2. Tighten the arm support into its position with the mounting adapter screw.

5.12.2 Removing of arm support plate

1. Loosen the mounting adapter screw a bit.
2. Pull out the arm support with stem.

5.12.3 Adjusting of arm support plate

1. Loosen the arm support by opening the stem mounting adapter screw and cushion locking screw.
2. Move the arm support plate to the desired position.
3. Tighten the arm support into its position with the mounting adapter screw and cushion locking screw.

5.13 Raising and lowering the hand rail

The hand rails, available as accessories, can be held in up or down position.

The rail can be lowered with locking knob in the middle of the rail.

1. Hold the hand rail from its upper tube with one hand.
2. Lift the locking knob.
3. Lower the hand rail simultaneously.

The rail can be raised by lifting it up. The rail locks in position automatically.



5.14 Attachment of the neck cushion

Attach the neck cushion (accessory) to the armrest with the loop on the back of the cushion.



Figure 20. Neck cushion

5.15 Leg supports (4050 and 4140))

Leg supports are attached on the rear end on the examination table.



- 1 Adjustment for leg support inclination
- 2 Adjustment for height and width

Figure 21. Leg supports

5.15.1 Height and width adjustment of the leg supports

1. Loosen the height adjustment by turning the handle.
2. Raise or lower the leg support and adjust the width if necessary.
3. Tighten the leg support with the handle.

If the handle will not turn enough you can select a new tightening height and width by pulling out and turning the handle.

5.15.2 Inclination adjustment of the leg support cushion

1. Loosen the adjuster wheel under the leg support cushion.
2. Tip up the cushion to desired position.
3. Tighten with the adjuster wheel.

5.16 Mounting of infusion pole

The infusion pole is mounted onto the front side rail of the examination table with a mounting adapter.

1. Fasten the mounting adapter onto the side rail with screw.
2. Push the infusion pole through the mounting adapter hole.
3. Tighten the infusion pole into its position with the mounting adapter screw.

Height of the infusion pole can be adjusted with a screw on the upper part of the pole.



- 1 Infusion pole
- 2 Mounting adapter

Figure 22. Infusion pole

5.17 Mounting of anaesthesia screen

The anaesthesia screen is mounted onto the front side rail of the examination table with a mounting adapter.

1. Fasten the mounting adapter onto the side rail with screw.
2. Push the anaesthesia screen through the mounting adapter hole.
3. Tighten the anaesthesia screen into its position with the mounting adapter screw.

6 Care and maintenance



NOTE! Always remove the power cord from the plug before cleaning the examination table.



NOTE! Do not clean the examination table with water spray or washing machine.

6.1 Cleaning and care of Upholstery

The special feel, expressive embossing, and long useful life give high-quality skai upholstery materials their individual character. In addition to beautiful designs, skai fashion surfaces are marked by ease of cleaning and care.

Remove any stains as quickly as possible with lukewarm water and a damp cloth. The use of a common Microfiber cloth is especially recommended for this purpose. In case of heavy soiling, we recommend using a mild cleaning agent (possibly 30% potassium soap solution) and a soft hand brush. The procedure may need to be repeated. Then, wipe off the rest of the cleaning agent with lukewarm water and rub dry with a soft cloth. Regular and meticulous care guarantees long-lasting enjoyment of high-quality skai fashion materials.

NOTE! Please follow the application instructions of the respective manufacture when using common cleaners. In addition, no cleaning agent should be used which contains oil and grease. Chemical or dry cleaning is not possible with skai fashion upholstery and fashion surfaces. Dried substances or substances that have penetrated for an extended period may not be able to be removed completely. The surface of skai fashion upholstery and fashion materials is not resistant to solvents, chlorides, polishing agents, washing/polishing agents, and aerosol sprays. Please note that colourings by jeans or other textiles are excluded from any manufacturer's guarantee.

6.2 Disinfection

You can disinfect the parts of the examination table for example with ERISAN Des disinfection agent (available from Lojer sales, see Section 12 *Contact information*. See the package for dilution instructions)

NOTE! ERISAN Des disinfection agent is not suitable for synthetic leather upholsteries.

NOTE! Disinfection agents wear out the cushion surface. Always wipe away the disinfection agent with a damp cloth.

7 Service



NOTE! Only professional personal may carry out service and repair operations on the examination table.



NOTE! Always remove the power cord from the plug before servicing the examination table.

7.1 Half-yearly maintenance

Check the condition of the power cord, the spindle motors and hand control cables and replace if necessary.

7.2 Yearly maintenance

Check and lubricate the following parts once a year or more often if necessary.

- Joints
- Bearings
- Bearing points of the underside rods.

Lubricate with e.g. Würth HHS 2000 synthetic vaseline spray.

7.3 Adjusting the brakes

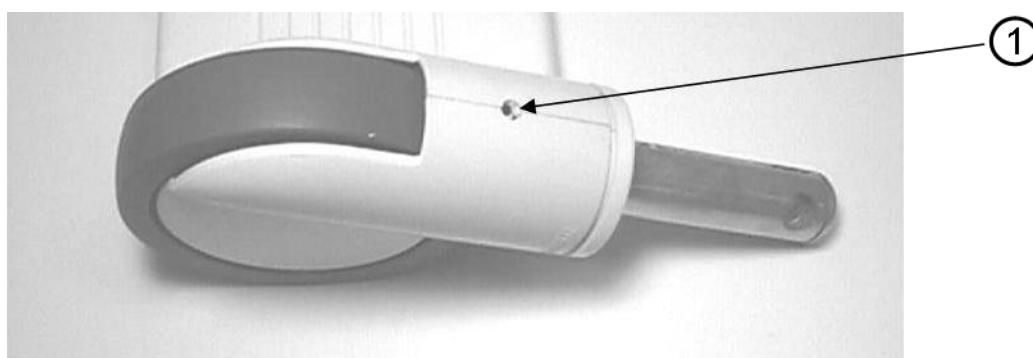
Basic adjustment of the central locking plastic wheels is done as follows. Individually locking wheels cannot be adjusted.

4. Lift the examination table on a stand or on a chair. The wheel to be adjusted must be aloft.
5. Remove the fixing screws (2) of the wheel.
6. Turn the wheel body half a turn at a time.

7. Test that the brake is holding and the pedal goes down smoothly.
8. Tighten the fixing screws.
9. Lock the lock plates.
10. Adjust the other wheel to the same tightness.

You can fine adjust the central locking plastic wheels without removing the fixing screws as follows:

11. Remove the filler plug. If there are no filler plug and hole, drill a hole with \varnothing 6 mm drill in pre-marked recess hole. The adjusting screw is inside.
12. Adjust the brakes with a screwdriver.
13. Test that the brake is holding and the pedal goes down smoothly.



1 Filler plug/adjuster screw

Figure 23. Adjusting the brakes

8 Technical data

Operating voltage	230 V ~ 50 Hz
Power input	230 W
Operating time ratio	2 min. / 18 min.
Enclosure class	IPX4
Protection class	Class II, type B
Weight	~110 kg (without options)
Maximum load (SWL)	200 kg
Width	65 cm
Length	193 cm

Transport temperature	-5 - + 60 C°, relative humidity 30-75 %
Storage temperature	-5 - + 60 C°, relative humidity 30-75 %
Operating temperature	+10 - + 60 C°, relative humidity 30-60 %



Figure 24. Type label

8.1 Applied standards

The examination tables comply with guideline 93/42/EEC (medical devices), its revisions and enforcing national regulations.

The following conformable standards have been applied in designing and testing the products:

- SFS-EN 292-2
- SFS-EN 349
- SFS-EN 60601-1
- IEC 601-1:1988 + A1:1991 + A2:1995.

9 Troubleshooting



NOTE! The warranty is not valid if a motor or the control unit is opened by someone else than a Lojer authorized service person.

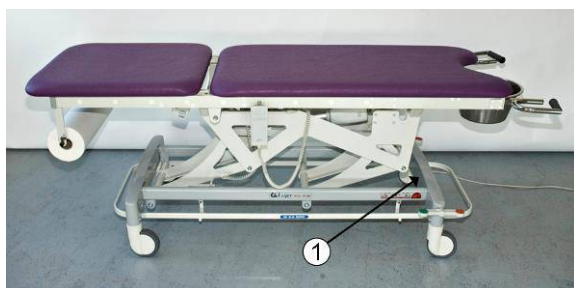
Symptom	Trouble	Action
The motor does not work.	The wiring is not properly connected.	Check the wiring connections.
	Power (230 V AC) is not coming to transformer.	Contact an authorized service.

Symptom	Trouble	Action
	Hand control cable is not properly connected.	Check the cable connections.
	Hand control is faulty.	Test the suspected control with another similar examination table and replace if necessary.

For changing a motor, hand or foot control or control unit contact Lojer service (see Section 12 *Contact information*). Please always have the following information ready before calling our service:

- Product name and model
- Serial number
- Year of purchase
- Detailed description of the problem.

Product name, model and serial number are found on the type label located on the inside of the frame rear end.



1 Location of type label

Figure 25. Location of type label

10 Spare parts



10	R258110240	
9	R264MDSVY-F	
8	R26410872	
7	R264L33T-18	
6	R258050828	
5	R264C805	
1		

Figure 25. General spare parts (4040)

PART	CODE	ITEM	QTY
1	R260125S1	Direction brake wheel	1
2	R260125J1	Brake wheel	3
3	R284LA31.4B	Spindle motor	1
5	R284CB09	Control unit	1
6	R258050042B	Gas spring	1
7	R284LA31.4B	Spindle motor	1
8	R284HB72	Hand control	1
9	R284055VV-F	Mains cable	1
10	R258130200	Gas spring	1

11 Lojer Warranty

Thank you for purchasing this quality product from Lojer. Our products are developed to meet high standards in both quality and technology. To further ensure quality, we grant you, the final customer, warranty on our products in accordance with the following conditions.

The Lojer product is warranted for the period of twenty-four (24) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should return the product to the dealer from whom it was purchased. In case of difficulty, details of the local dealers are available in www.lojer.com. You may also contact the service centre in Finland (email: service@lojer.com).

11.1 International warranty conditions

1. The warranty is only valid if, when warranty service is required, the warranty demand is presented with the original invoice or sales slip or (order) confirmation, and the serial number on the product has not been defaced.
2. Lojer's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part. For this, the customer is responsible for the despatch and insurance of the product. The transport and insurance costs shall be borne by the customer. Lojer shall assume the costs for the materials / spare parts and the labour costs as required, as well as the return postage to the sender.
3. In case of warranty repairs, they must be carried out by Authorised Lojer Dealers. No re-imbusement will be made for repairs carried out by non Lojer representative and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and manufactured.
5. This warranty covers none of the following:
 - a) Periodic check-ups, maintenance and repair or replacement of parts due to normal wear and tear (such as upholsteries, ropes or reduced capacity of accumulators)
 - b) Cost relating to transport, removal or installation of the product.
 - c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
 - d) Damage caused by Lightning, Water, Fire, Acts of God, Natural Catastrophes, War, Public Disturbances, incorrect mains voltage or any other cause beyond the control of Lojer.
 - e) Spillage of chemicals or liquid or use of any other hazardous or non-instructed substances, which may affect the product.
 - f) Minor defects or deviations from the product specifications, that are immaterial or negligible or trivial as regards to the value or the functioning of the product

11.2 Proceeding in a warranty case

The following information is an explanation of what you must do in the case of a warranty claim. At first, please contact your Lojer dealer. There our employees will help to diagnose defects and malfunctions. They are often capable of eliminating the malfunction over the phone.

Please always have the following information ready before calling the dealer:

- Your name, address, post code and a telephone number at which you can be reached
- The model designation, the article code and the serial number of the product
- The date of purchase
- A brief description of the problem.

12 Contact information

Manufacturer

Lojer Oy

Putajantie 42, FI-38201 Sastamala, FINLAND

Tel. +35810 830 6700, Fax. +35810 830 6702

Email: firstname.lastname@lojer.com

www.lojer.com