

Pferde-OP-Tisch "Teltge II Surgery"



OPERATING INSTRUCTIONS

GENERAL

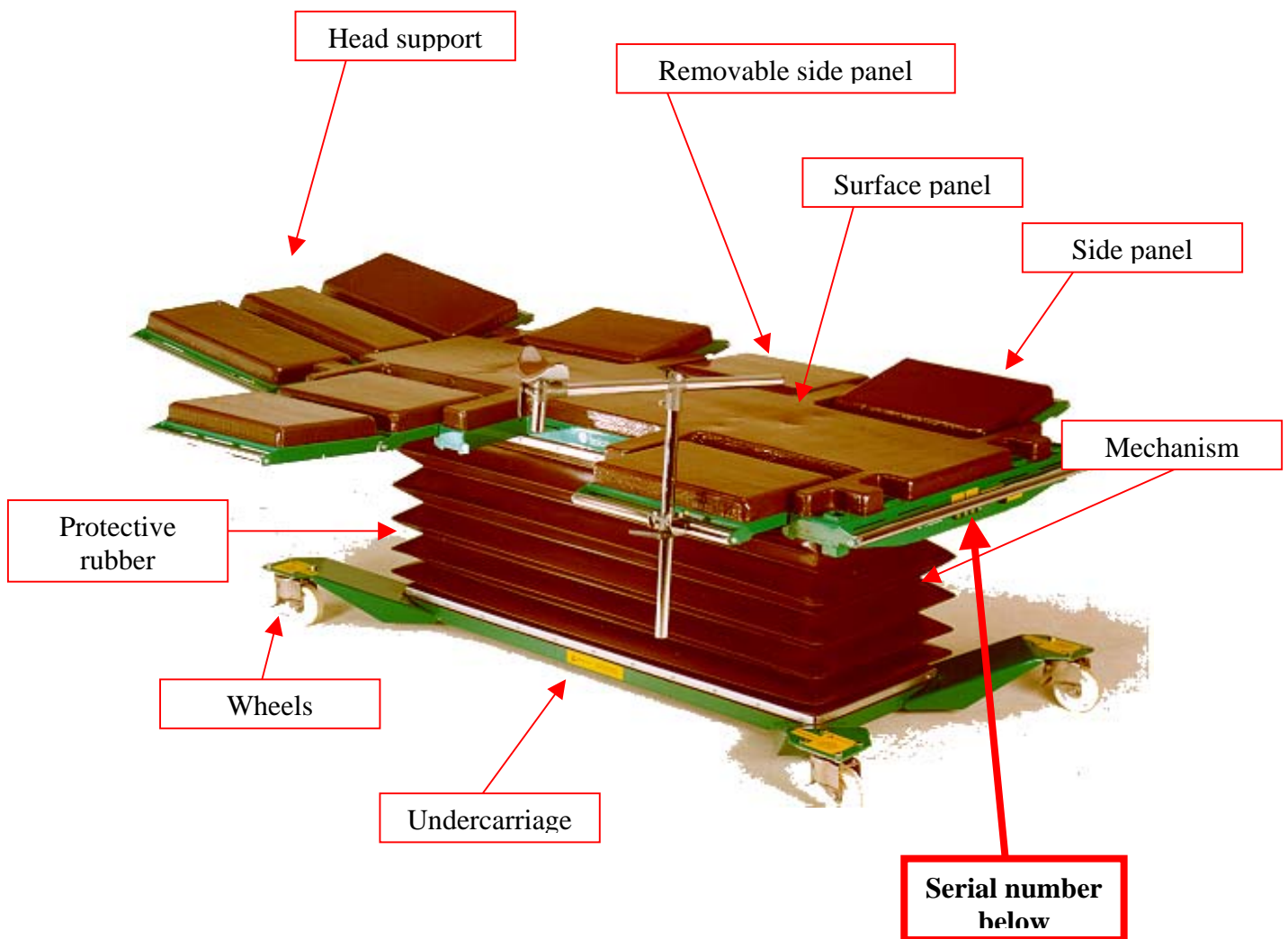
- Usage:

The Eickemeyer surgery table is intended for professional veterinary use and only for care and operation on horses.

- Identification:

The serial number is under the surface panel at the back of the table.

- Introduction:



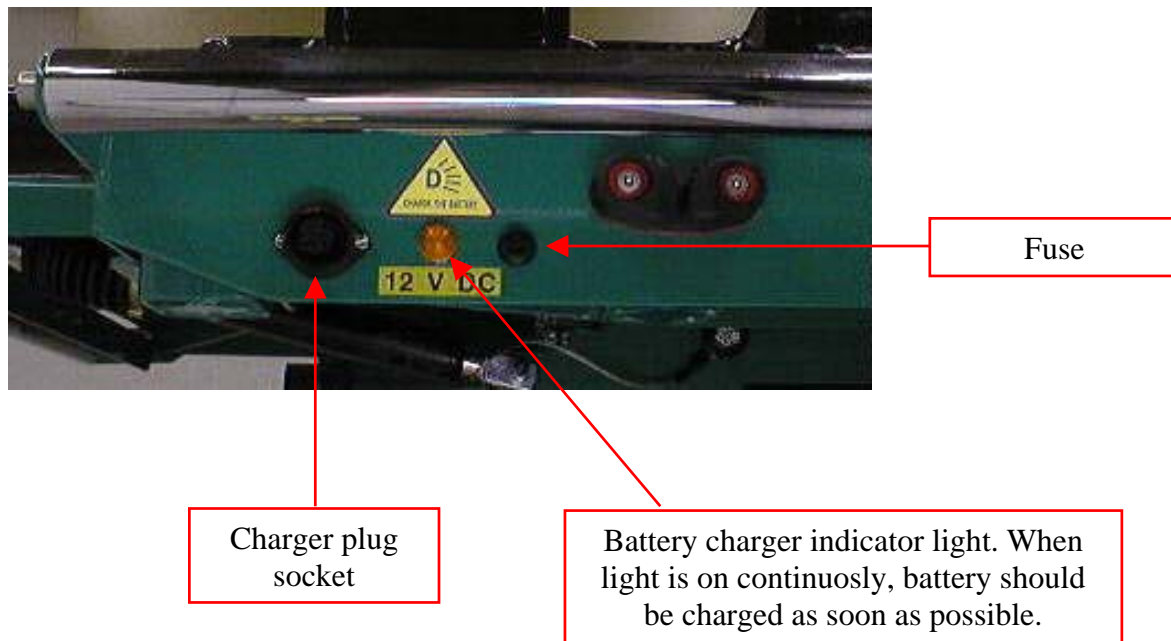
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WORKING WITH THE SURGERY TABLE

- Before starting work:

Ensure that the battery is sufficiently charged. Red **indicator light** at the back of the table is **not on**.



The table can be used normally while the battery is being charged .

- How to use the surgery table:

Always lower the table to the lowest position before lifting patient on the table.

Patient can be placed on the table either on its back or on its side.

When patient is placed on its back, it should always be in the middle of the table.

When patient is placed on its side, lift patient on the edge of the table and lower the legs towards the center of the table.

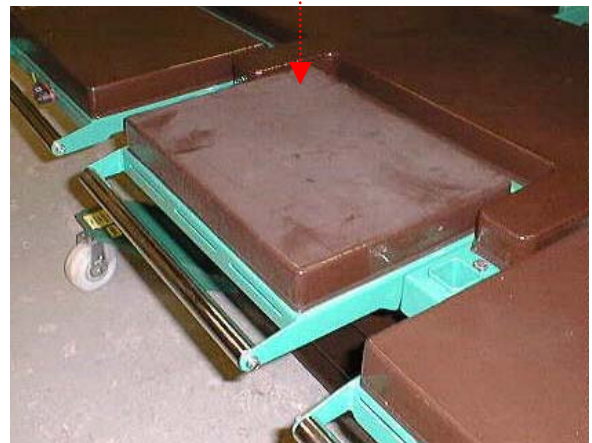
CAUTION!

Do not lay the patient too close to the edge of the surgery table or there is the danger that the patient may slide off the edge!

WORKING WITH THE SURGERY TABLE

- Before laying the patient on the table:

Ensure that **all** movable side panels are in horizontal position and that the **panel for the back** is securely in place if the patient is laid on its side. Ensure that the battery is sufficiently charged. Red **indicator light** at the back of the table is **not on**.



Lock all wheels:



Rolling and directional brake.



Directional brake only. Used when table is moved by pushing.

WORKING WITH THE SURGERY TABLE

- Height and tilt adjustment:

Buttons for adjusting the height and tilt of the surgery table are located at the back of the table on both sides....arrows indicate direction of motion.



Height and tilt
adjustment buttons.

ATTENTION!

Before lifting or lowering the surgery table always ensure that it can be moved up and down freely...remove all obstacles in its way.

Remember to ensure that people are not in danger zone when lifting or lowering.

When any one of the side panels is completely folded down, do not attempt to lower the table less than 70 cm from the floor, or the side panel hinges may be damaged.

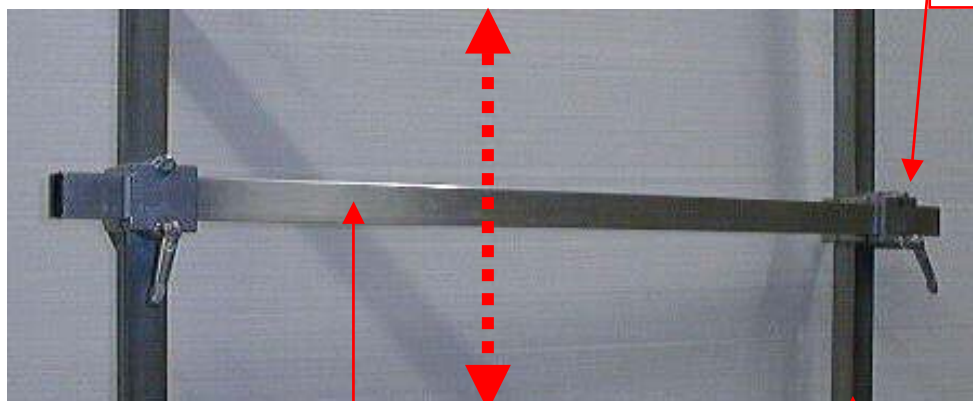
USING THE EQUIPMENT

- Securing the patient on the surgery table:

Installation of the supporting posts: Insert vertical posts into the square holes in the surgery table, the plastic covered end downward and then adjust the horizontal bar to a suitable height and lock it using the lock mechanism.



Plastic coated end downwards.



Lock mechanism

Horizontal bar

Vertical post

Please note!

Keep the horizontal bar as level as possible during lifting and lowering in order to ease movement.

USING THE EQUIPMENT

- Using the self-locking tightener:

Insert the tightener in the vertical post or the horizontal bar and feed the holding strap as shown.

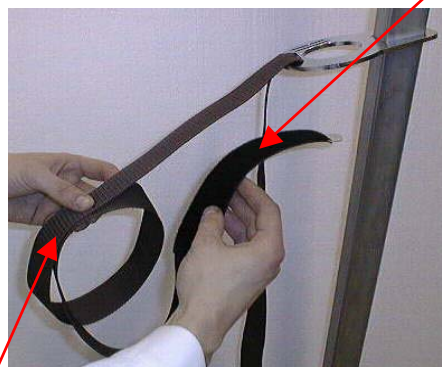


Note correct starting point.

Tightner



Attach gripping surfaces together



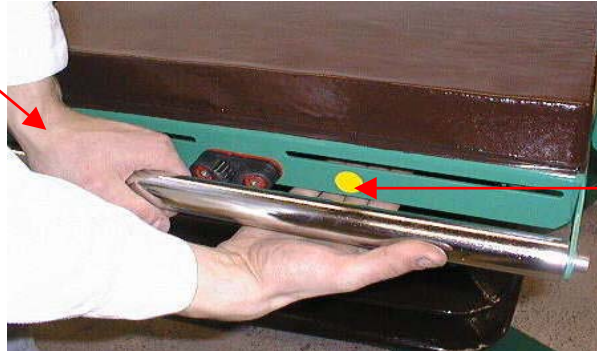
Make a loop around the patient's limb.

USING THE EQUIPMENT

- Adjusting the side support panels to support the patient:

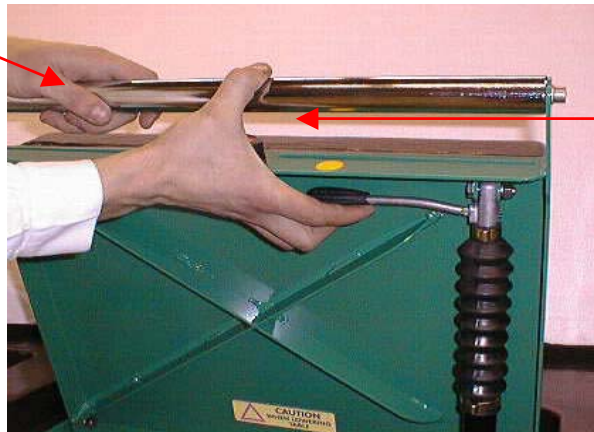
The side support panels lock automatically if the gas hydraulic spring locking lever is not pulled .

Note correct hold



Yellow dot shows positions of locking lever.

Hold handle firmly with left hand. Tension of gas spring pushes upward.



Release grip as soon as correct support position is found.



Side support panel can be let down completely by removing the hinge pin.

USING THE EQUIPMENT

- Side panels lowered:

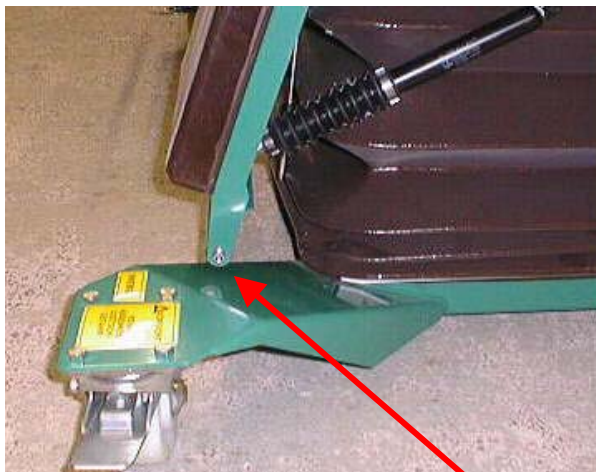
Lowering the side panel allows access nearer the patient.



Hold the side panel with one hand.

Pull out the pin.

Hold handle firmly with left hand. Tension of gas spring pushes upward.



CAUTION!

When the side panels are down, do not lower the table. The side panels may break when they touch the wheel frame.

USING THE EQUIPMENT

- Side panels lowered:

Lowering the side panel allows access nearer the patient.



Hold the side panel
with one hand.

Hold handle firmly
with left hand.
Tension of gas
spring pushes
upward.

Pull out the pin.



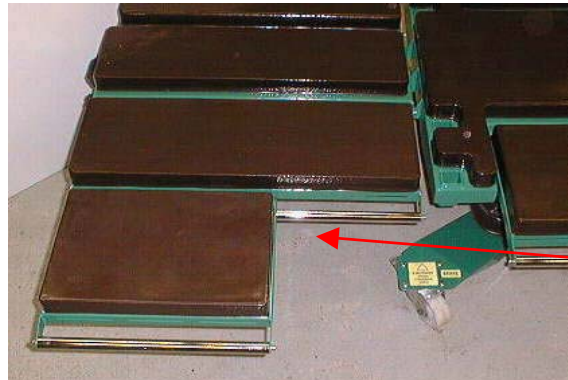
CAUTION!

When the side panels are down, do not lower the table. The side panels may break when they touch the wheel frame.

USING THE EQUIPMENT

- Using the removable side panel for extra support:

Both side panels can be used as extensions to the head, side and back panels to better support the patient, when it is placed on its side, for example.



Position of the removable side panel to increase head panel width.



Removable side panel positioned to extend side support.

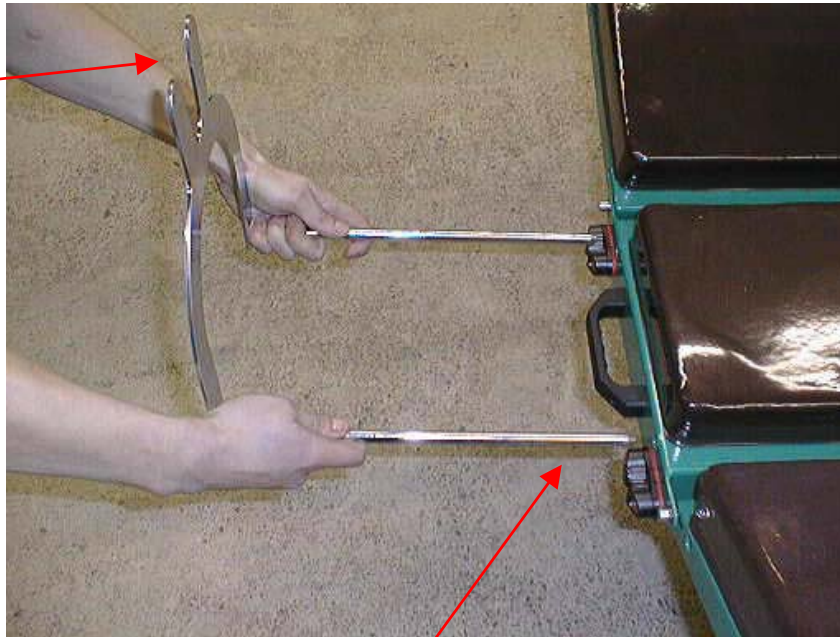


Removable side panels positioned at the end of the table to extend total length to 3,5 m.

USING THE EQUIPMENT

- Using the anesthetic hose holder:

Place hose in the holder.



Push the hose holder into the holes at the end of the head panel and adjust to suitable height.

USING THE EQUIPMENT

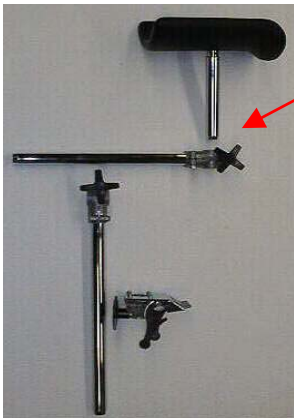
- Use of the leg support:

The leg support is attached to the side panel to hold the limb when the patient is laying on its side.

ATTENTION!

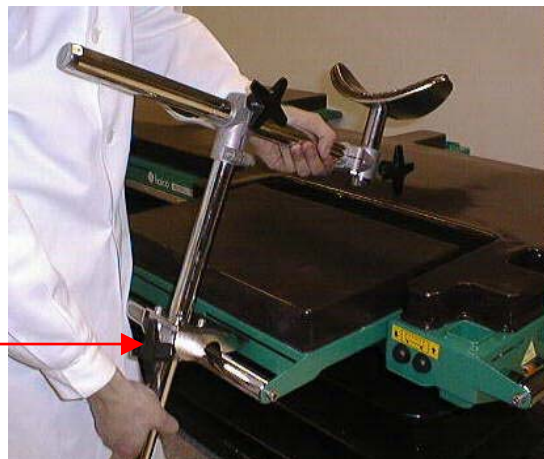
The leg support, as well as all other attachments, with the exception of the extra panels, are added only after the patient is already on the table.

Leg holder parts.



Assembly of the leg

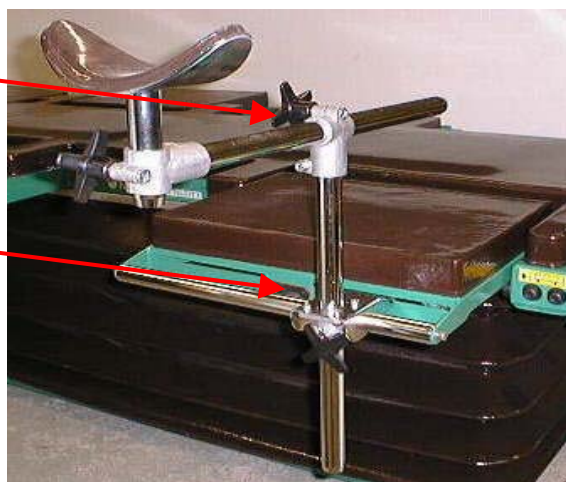
Push holder into the recess



Install leg holder in place and adjust to a suitable position

Tighten lock screws.

Push side latches into locking position.



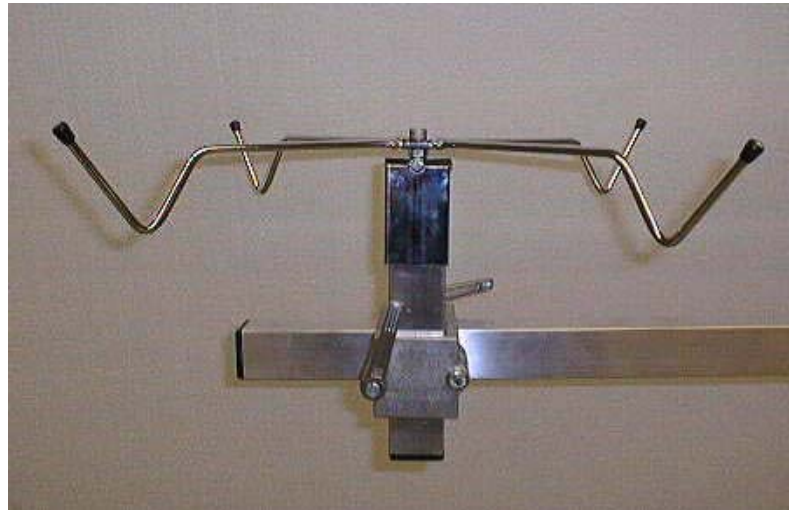
ATTENTION !

When the leg support is in position, do not lower the table so low that the leg support hits the floor or both the leg support and the side panel could be damaged.

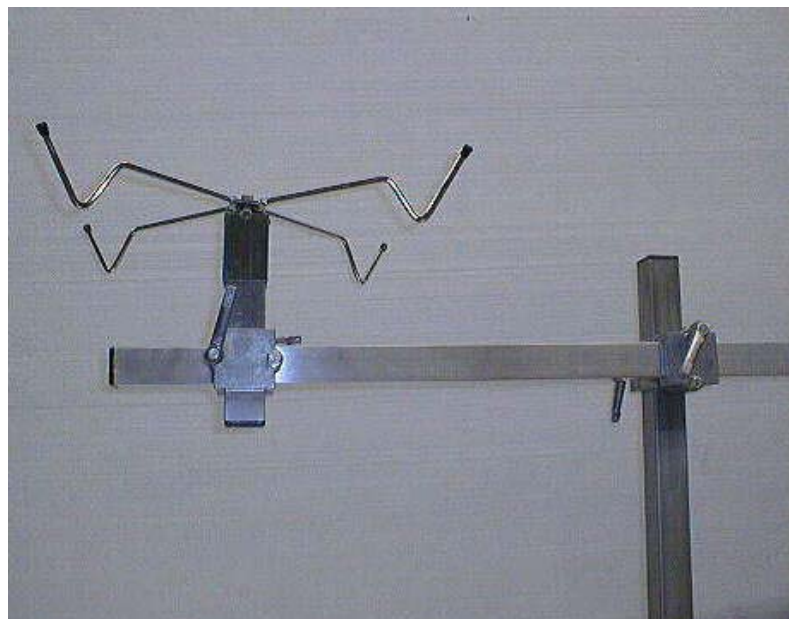
USING THE EQUIPMENT

- Using the infusion bottle stand:

The stand is normally placed on top of the vertical post.



The attached square posts can be arranged to provide alternative positions for the infusion bottle stand.

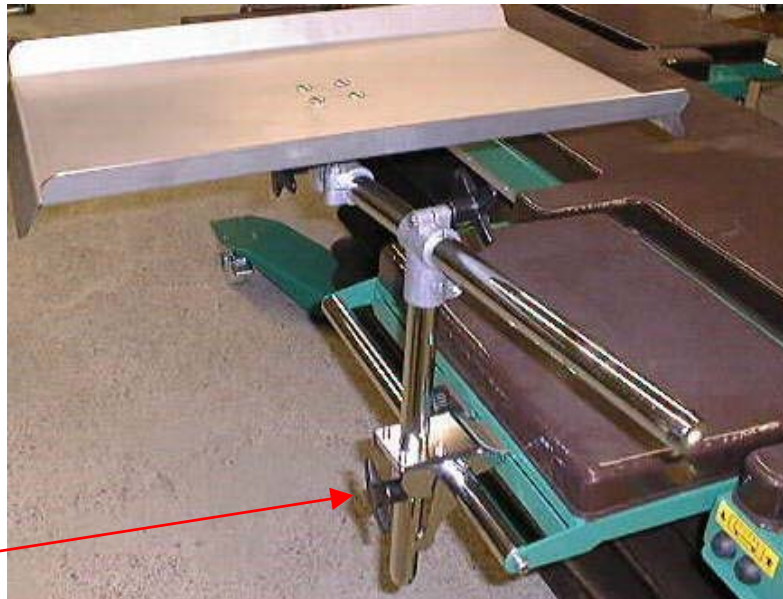


USING THE EQUIPMENT

- Use of the colon tray:

The colon tray can be attached either to the side or the back panel. Same rods are used to fasten it as with the leg support.

Colon tray on the side.



Ensure that the lock is locked.

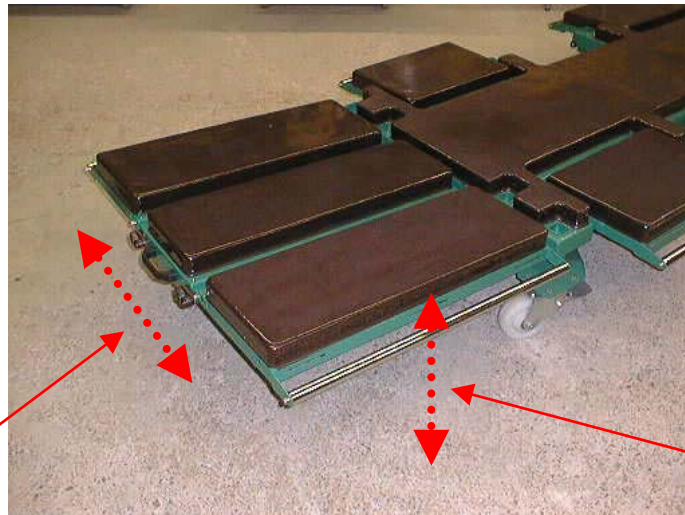


Colon tray at the back.

USING THE EQUIPMENT

- Using the head support as a table for small animals:

The head support is well suited to be used as a small animal treatment table.



Tilt head support to a suitable angle.

Tilt side panels to desired angle.



Head support side panels turned up.

USING THE EQUIPMENT

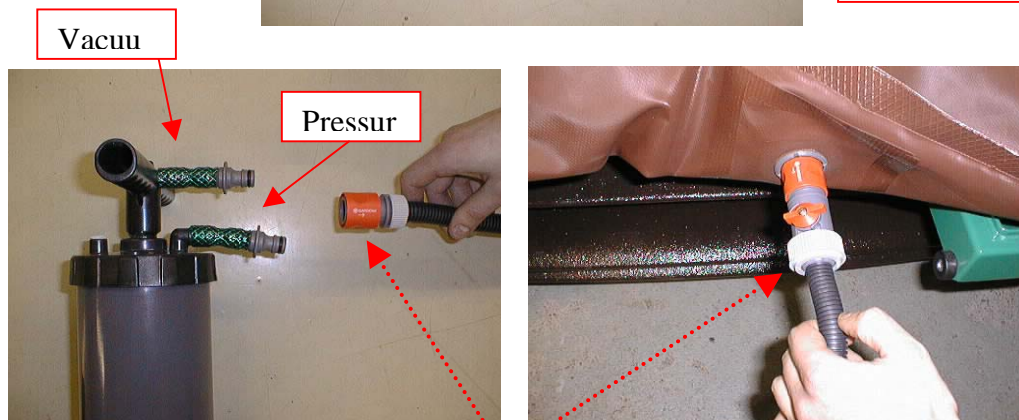
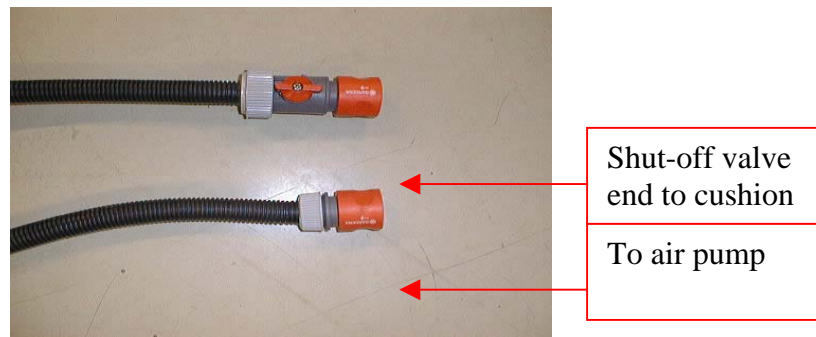
- Use of optional cushion:

The optional cushion is used to support the patient, especially during prolonged operations, to ensure that pressure on any part of the patient does not prevent adequate blood circulation. The optional cushion or in vacuum state, in which case, it functions in a cast-like manner by giving firmer support over wider area of the patient, including its flanks.



ATTENTION!

Install hose correct way:



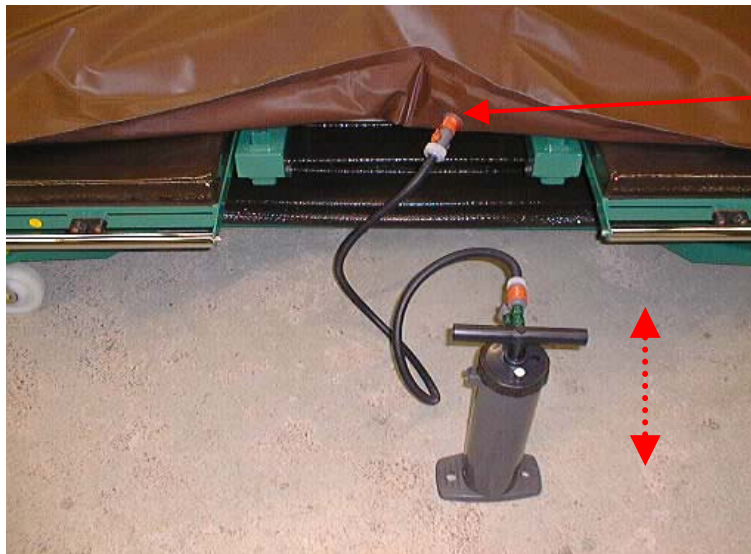
Insert quick-disconnect couplings in place.

USING THE EQUIPMENT

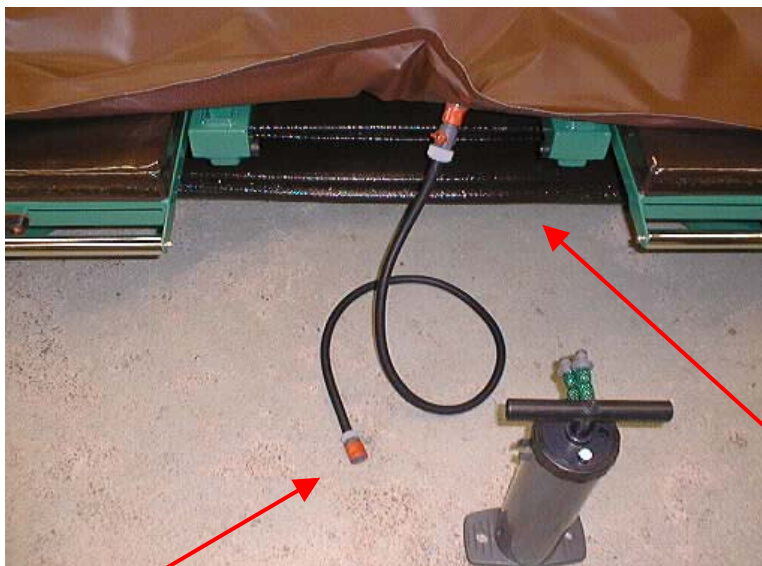
ATTENTION!

When lifting the patient on the cushion, the cushion has to be flat and the air hose disconnected.

After the patient has been placed on the cushion, either inflate or vacuum the cushion by using the pump.



Close the valve immediately after pumping to maintain desired state of inflation



Note correct positioning of cushion on surgery table.
Air valve has to be in the space vacated by the removed side panel.

If desired, the pump can now be disconnected from the hose. Do not disconnect the hose from the cushion or the amount of air inside the cushion can change.

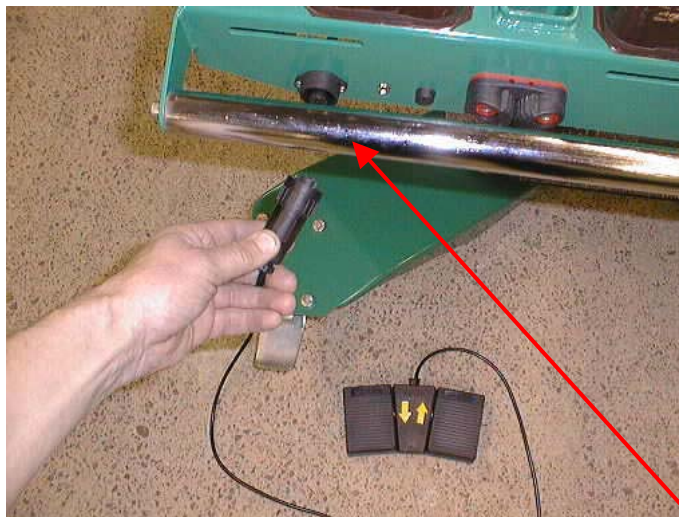
USING THE EQUIPMENT

- Foot-operated remote control for height adjustment:

This accessory is useful, for example, when working at the front end of the table.

Table height can be steplessly adjusted with the remote control.

Remote control



Insert the remote control plug into the outlet at the back of the table and lock the sleeve by gently twisting it.

USING THE EQUIPMENT

- Use of the battery charger:

Battery charger is the only device using 230 V.

ATTENTION!

As a safety measure, battery charger should be mounted on the wall at a height of about 1.5 m.

Never spill water on the battery charger. To ensure sufficient cooling, do not cover the charger.

Automatic battery charger may be connected while the table is being used. However, it is recommended to charge the battery when the table is not

Battery charger indicator lights give useful information:



Red light: charging in progress.

Green light: battery fully charged.

Red and green light alternate: battery almost fully charged (>90%)



ATTENTION!

To ensure safe and trouble-free functioning of the battery charger, do not handle it roughly.

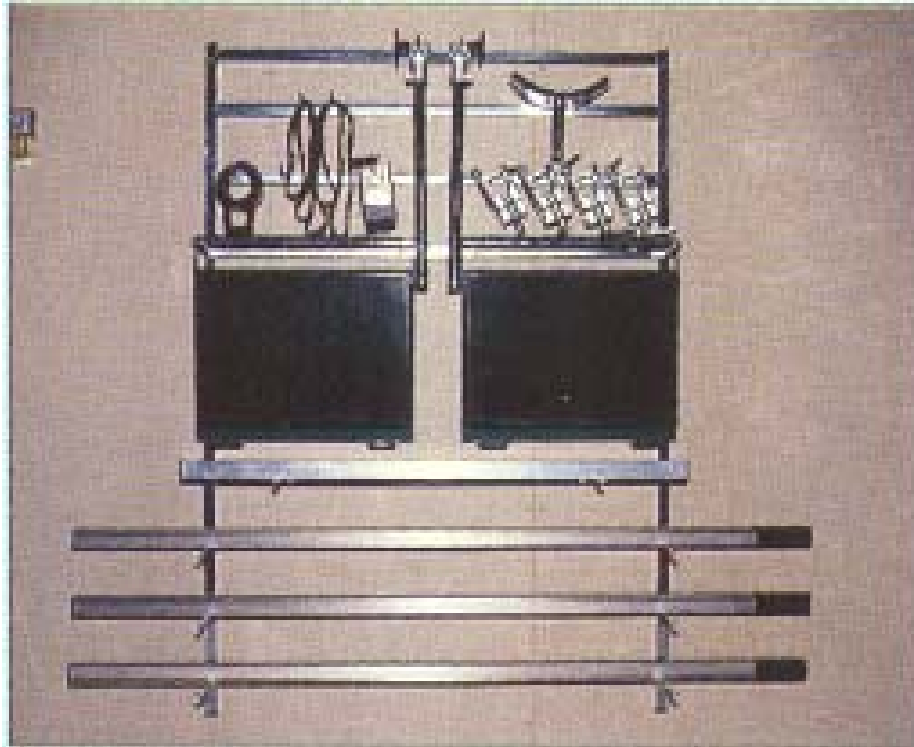
Never try to pull the plug out by the cord. The cable connectors may be damaged and seriously damage the charger.

To prevent dangerous situations connect charger cable to the table in such a way that people's feet do not get tangled up in the cable.

USING THE EQUIPMENT

- Use of the accessory rack:

The wall mounted accessory rack keeps all surgical table accessories in order and easily available when needed.



ATTENTION!

Remember to regularly check the conditions of the accessories and to ensure that all are in place.

USING THE EQUIPMENT

- Using the wireless remote control:

Note that for safety reasons it is recommended to use primarily the buttons on the side of the table and only if there is a necessity, use the remote control.

Read and remember the following cautions!

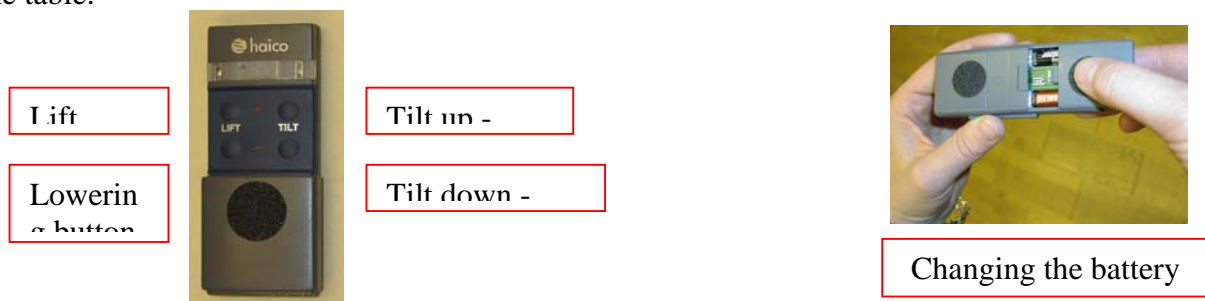
Be careful when using the remote control in order to avoid dangerous situations to the patient and to the people working with the table which can be due when pushing the transmitter buttons by mistake or at the wrong moment.

Ensure that while working, only the persons who are working with the surgery table can use the remote control transmitter of the table.

Do not keep the transmitter in pocket or there is a danger that the transmitter's buttons may go down and activate the table functions causing dangerous situation.

Use the remote control transmitter only when you see the table and you can follow the table move.

Never play with the remote control transmitter, it can bring serious danger to other people close to the table.



Changing the battery



While working with the table it is strongly recommended to use the hand-strap case in order to keep the transmitter safely and quickly available.



Hand-strap case with model S449
433,92 MHz. Battery CR2032x2
(6V operating voltage)

USING THE EQUIPMENT

- Before removing the patient from the surgery table:

Remove all the attachments from the surgery table and place them in the appropriate stand.

Lower the table to its lowest position.

- After removing the patient:

Lift the surgery table top to a height of 70 - 80 cm for cleaning.

Lower the side panels to horizontal position (best height for storing and maintenance).

- Cleaning the table:

Wash the surgery table using regular detergents.

Recommended products to disinfect the surgery table are disinfectants containing alcohol.

Attention! Do not use petroleum based products or strong acids and alkalines to clean the surgery table.

- Storing the table:

Set the table top to a height of 70 – 80 cm.

Set the table to horizontal position so that there is not too much tension in the rubber bellows.
Connect the automatic battery charger to the table.

CARE AND MAINTENANCE

- Care:

The most important service function is to clean the surgery table after every use.

The Eickemeyer surgery table has been designed so that it can be cleaned with regular cleaning materials and hosed down with normal spray or with a high pressure power washer.

Attention! Use of aromatic solvents is prohibited. Strong acids and alkalines should also be avoided.

- Important to know:

The surgery table battery is maintenance-free type, so that it is not necessary to check or to add fluid during the normal life span of the battery.

Normal service life of the battery is several years.

A fully charged battery allows approximately 50 - 100 lifts.

When the battery indicator light at the back of the table goes on, it means that the battery is only 1/5 charged and it should be charged immediately.

A dead battery will take 7 - 10 hours to recharge, so it will be fully charged overnight, for example.

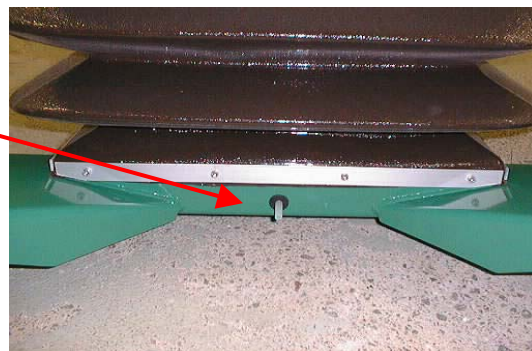
Attention! When a heavy load is lifted, the battery indicator light may go on momentarily even in a fully charged battery. This is caused by a momentary voltage drop, but it does not harm the normal operation of the table.

Only the battery charger provided by the manufacturer may be used to charge the battery.

Warning! It is important to note that use of excessive current to charge the battery may cause the formation of explosive gases.

Possible battery gas vapours are directed away from the mechanism through a hose.

Do not place the hose near open fire.



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CARE AND MAINTENANCE

Damaged panel surface can be repaired.

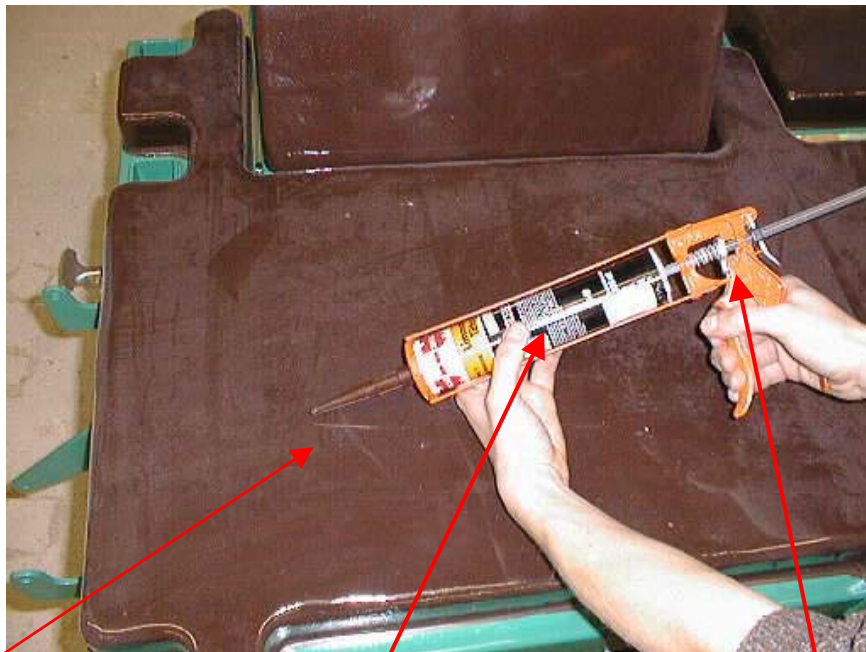
Attention! Avoid making sharp cuts or applying great pressure points in the surface panel padding, which can break the rubber coating. Several hours of continuous sharp pressure can result in a permanent depression in the panel padding.

If damage does occur:

The surgery table panel padding material is impermeable to water, therefore it does not absorb moisture even when the polyurethane surface coating is damaged.

Possible damage to the surface coating can easily be repaired as follows :

- clean the damaged area with pure alcohol, for example
- dry the damaged area carefully
- repair the damaged area with polyurethane glue such as Wurth or Sikaflex, for example.
Contact the distributor or the manufacturer in case further instructions are required.
- allow the repaired area to dry for 15 - 20 hours at room temperature, before reusing.



Area to be repaired

Glue cartridge

Glue gun

CARE AND MAINTENANCE

- Adjusting the wheel brake:

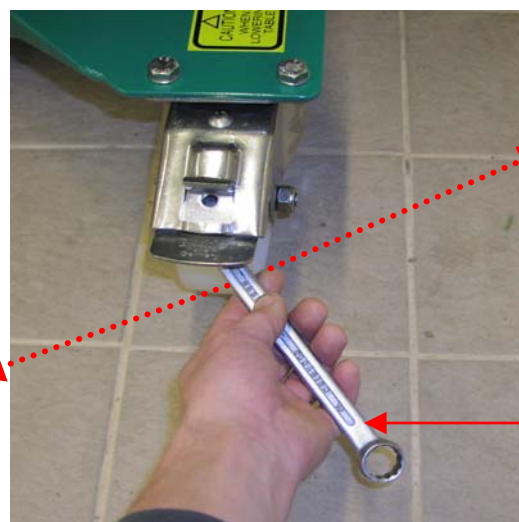
Brake holding capability diminishes with time. Therefore, check the condition of the brakes and adjust them as necessary. Brake adjustment is done simply by tightening the adjusting screw.

A 13 mm boxend wrench is needed for the adjustment.

Turn the screw approximately 1/4 - 1/2 turns clockwise, test the brake and readjust



Zink plated wheel



Tighter

Looser

Use 22 mm fork wrench

Stainless steel

Attention! Do not overtighten the adjusting screw, it will hinder the locking action.

TROUBLE-SHOOTING

- Table does not move up or down:

1. Check the control circuit fuse at the back of the table, fuse size is 8 A.
2. Check the condition of the battery, the charger cable and the charger.

Disconnect the charger cable (230 V) from the outlet.

Connect the charger plug to the surgery table.

When the green indicator light in the charger glows dimly, it means that the cables and the connectors between the charger and the battery are in good condition and the battery is charged.

When the green indicator light does not glow, it means that the battery is empty or the charger cable is damaged.

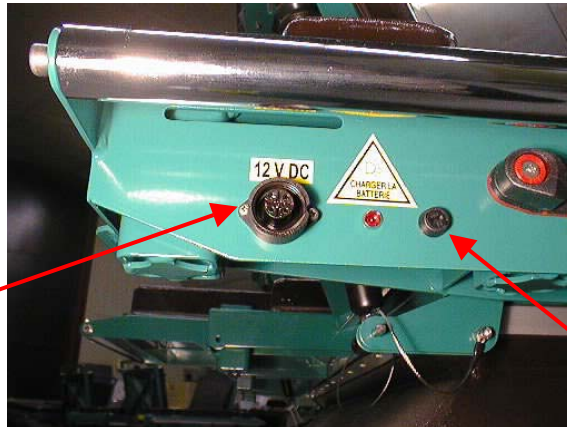
Checking the battery condition:

Using a multimeter, measure the battery terminal voltage in the table outlet box between number one and ground terminals.

1 = battery positive (+)
terminal

Ground = battery (-) negative
terminal

Look carefully,
signs are small.



Control circuit
fuse

A reading of 12.7 V or over means that the battery is fully charged.

A reading of 11 V indicates the need for immediate charging. The red indicator light at the back of the table should be glowing.

A reading of under 7 V means that the battery is almost empty. In this case, even the red indicator light at the back of the table does not have enough power to glow.

A reading of 0 - 4 volts means that the battery is empty. In this case, the automatic charger is no longer able to recharge because it needs a minimum of 4 volts to function.

TROUBLE-SHOOTING

- In case of functional trouble before contacting your authorized service make the following checkings:

Always make sure first that you have charged the battery properly. Charge overnight to see if the battery will become fully charged.

Make sure that any accident has not happened with the table or with the charger.

All works normally:

When the charger is connected to the table the **red led** should flash which means that the charging is ON.

After the battery is fully charged the **green led** will flash.

Low voltage in the battery:

Note that voltage in the battery being under 8 volts the connecting relays do not work any more and the hydraulic pump does not run at all. You can still hear some clicky voices inside the table when pushing the table buttons. Charge the battery.

The main fuse inside the table is broken (50 amp band fuse):

The hydraulic pump does not run.

The charger still works normally.

The controlling valves inside the table give clicky voice which can be heard when pushing the buttons.

The fuse at the back of the table (8 amp glass tube fuse) is broken:

The green led in the charger does not flash at all.

The charger does not charge the battery.

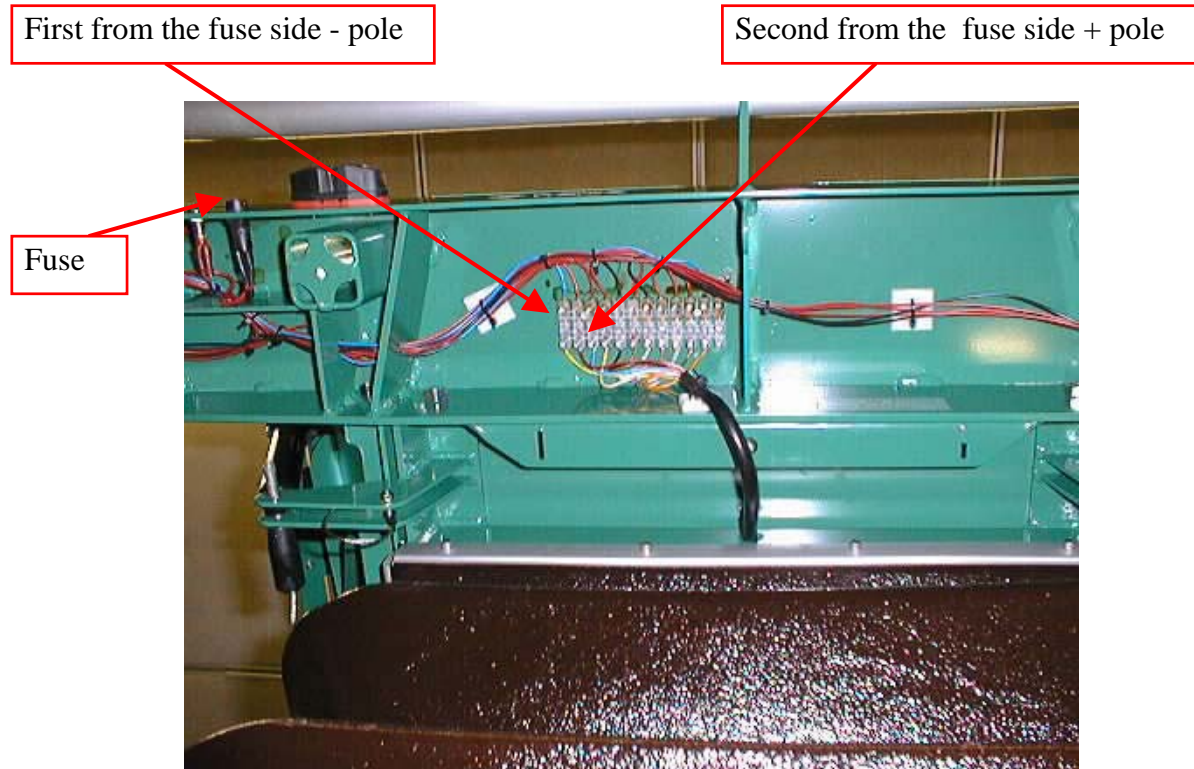
Nothing happens when pushing the buttons.

If the fuses are ok then

- 1) Loose the charger plug from the wall socket.
- 2) Connect the charger plug to the table.
- 3) The green led should be flash weakly which means that the connection between the charger and the battery is ok. If the green led does not flash at all it means that there is a failure in the cable or in the plug or there is some failure in the charger.

TROUBLE-SHOOTING

- Measuring the battery and the charger voltage:



Disconnect the charger from the table.

Check first the battery voltage by using a normal voltmeter, 12V DC area.

An example : the voltage is 11,8 V

Then connect the charger to the table and check again the voltage.

If the voltage is the same (11,8V) **the battery is not in contact with the charger .**

If the voltage now increases clearly over 11,8V it shows that charging works.

If after overnight charging the battery do not work properly it is damaged and must be replaced.

NOTE! Check the voltage not before than one hour after disconnecting the charger that the battery voltage first normalizes and measuring result is accurate .

The normal voltage in full battery is 12,5 to 12,7 volts.

The measuring result under 12 volts indicates that the battery is damaged.

TROUBLE-SHOOTING

- Battery condition indicator:

Green area = battery is fully charged

Yellow area = battery is still ok

Red area = battery is empty. The red indicator at the back of the table flashes.

Battery condition
indicator



- Checking the battery condition:

Disconnect the power cord from wall socket.

Connect the charger's spiral cable to the table's socket.

You can see now from the battery condition indication the battery's state.

- Checking the charger condition:

When charging is on, indicator in the charger should be in the green area.

This shows also that the charger functions properly.

Note that in case the battery has been empty it takes some time before the indicator moves over the green area.

TROUBLE-SHOOTING

- The battery is totally empty....for instance because of too long uncharged period:

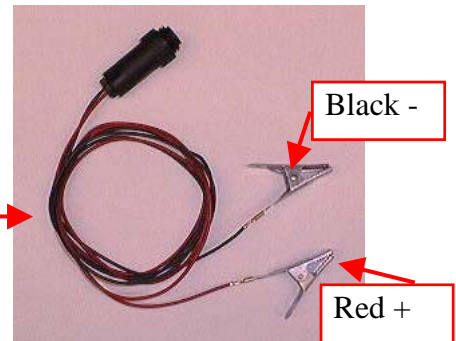
Now voltage in the battery is less than 4 volts and the automatic charger is not able to start recharge.

Use the separate cable and separate battery for reviving the empty battery or press the red led in the charger for 30 sec to revive the battery .

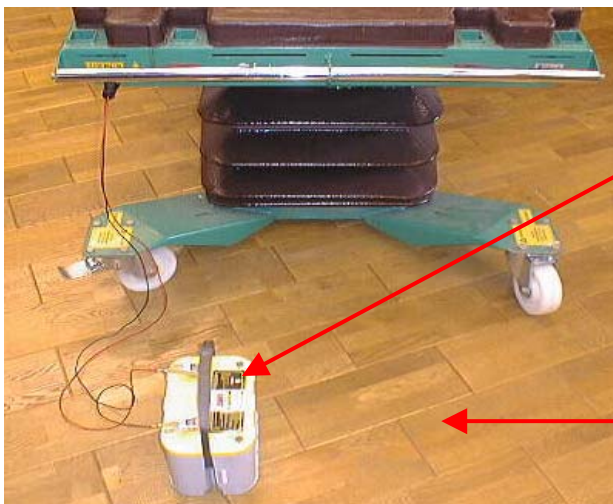


Press the red led for 30 sec (use pen tip)

Separate cable



DO NOT TRY TO USE THE TABLE VIA THE SEPARATE CABLE OR THE WIRING INSIDE THE TABLE MAY BE DAMAGED!



Make sure that you connect the cable on the right way to the battery.

Wrong connection will damage the table electric fittings!

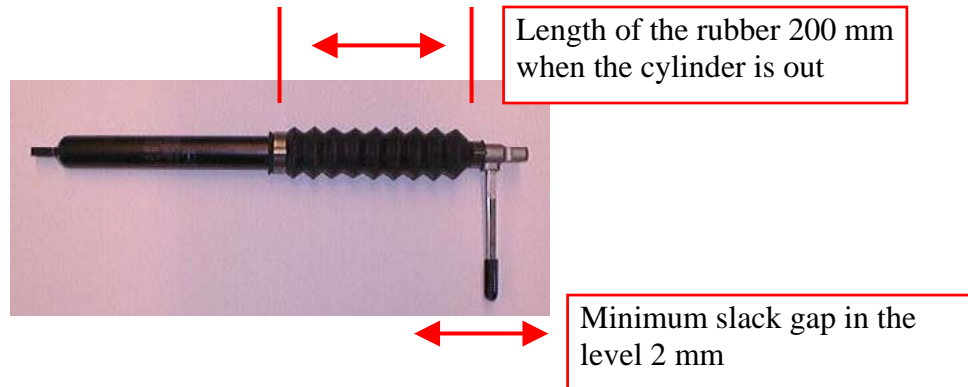
Connect the cable first to the battery

Separate 12V battery

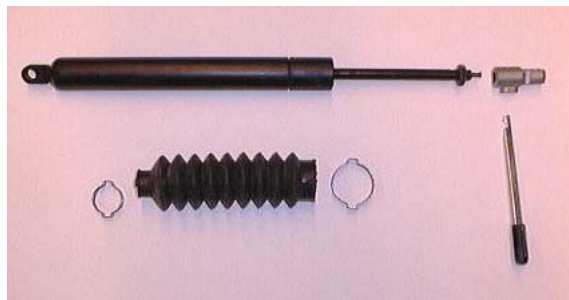
ATTENTION! Make sure that the cable do not become hot. If the battery do not revive within 5 to 10 minutes probably it is damaged and has to be replaced.

TROUBLE-SHOOTING

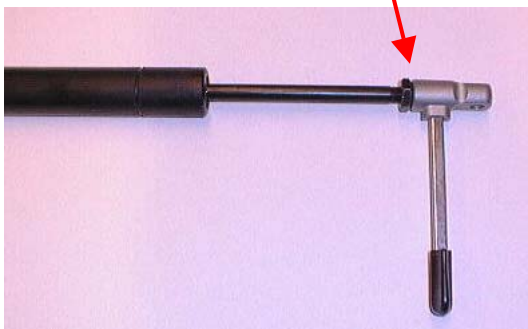
- The high pressure hydraulic gas cylinder:



Parts of the hydraulic gas cylinder



The adjusting and lock screw



ATTENTION! Handle the **high pressure** cylinder with care! Never do not try to open it!

TROUBLE-SHOOTING

If the table does not rise smoothly, it means that the hydraulic oil level is low.

If the table does not rise even though the pump is working, it means that the load is too heavy. Also, the hydraulic system pressure might be too low, check the pressure.

If the loaded table does not rise because the pump does not have enough power to function, the battery is empty.

SAFETY

- Safety:

Please take special notice of the following safety related matters:

Always center the load as much as possible.

When moving the table, ensure that feet are not caught between the table frame and the floor. Due to small ground clearance, toes especially are in danger.

When the table is lowered to its lowest position, ensure that hands and feet are clear off the edges of the table corners, because these edges go down very close to the wheel frame. Getting fingers or toes stuck in-between will result in personal injury.

When moving the gas hydraulic side panels, always ensure that all other hands are clear off them to prevent serious injury.

Never bend or try to open the gas springs. The high pressure gas, when discharged, could injure anyone nearby.

- Liability:

The manufacturer does not assume liability for damage or injury resulting from careless or improper handling of the surgery table nor for other losses resulting from use contrary to the operating instructions.

- Warranty:

The manufacturer guarantees the Eickemeyer surgery table for 2 years and the frame of the table for 5 years against breaking. This warranty covers all manufacturing and material defects.

This warranty does not cover faults resulting from normal wear and tear or damage resulting from use contrary to the operating instructions.

TECHNICAL SPECIFICATIONS

Model Telgte II technical specifications:

Dimensions

Table	290 x140 cm
Extended length.....	340 cm
Head support of the table.....	90 x100 cm
Width of the table excluding side panels.....	50 cm
Side panels,table.....	50 x35 cm
Side panels,head support.....	85 X35 cm
Wheels.....	Ø15 cm
Padding thickness.....	5 cm
Weight.....	420 kg

Adjustability

Minimum height.....	32 cm
Maximum height.....	112 cm
Pelvic angle.....	+ -25°
Head support.....	+ -25°

Loading

Maximum load.....	1200 kg
Lifting time.....	30 sec

Electric equipment

Operation voltage.....	12 V
Battery type : service free lead acid, cyclic application.....	12 V 50 Ah
Automatic battery charger.....	12 V 7 A
Battery charging time.....	5 hours
Full battery	50 to 100 lifts
Table can be used during charging	

Surface coating

Zinc plated, powder painted frame