

# Triton 6M Table

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## Service Manual



## I. Service manual.

Service manual was created for technical workers engaged in servicing of Triton 6M tables.

Safe performance service procedures requires experience, technical skills and general knowledge of safety rules.

Warnings and Cautions are used throughout this manual in order to pay special attention to performing service procedures.

**Warning** – this information tells us about the possibility of safety risk of serviceman and user.

**Caution** – this information tells us about actions that can cause potential damage of the tables.

## II. Installation and operating of the Triton 6M tables.

Regarding installation and operating of the tables refer to the operation manual. Mounting of the tables isn't allowed in “Wet rooms” (hydrotherapy rooms).

## III. Service of Triton 6M tables.

The service can be only made by Meden- Inmed's authorised service team or authorized units by Meden-Inmed.

Meden-Inmed shall bear no responsibility for the consequences of repairs or modifications that have been done by unauthorized personnel and for the use of non-original replacement parts dedicated by Meden-Inmed for Triton 6M tables.

## IV. Service documentation.

Service documentation and service repair document are available on a website accessible for authorized DJO personnel.

## V. Safety precautions.

Triton 6M tables design provides maximum of safety.

Safety of the Triton 6M tables are ensured by safety standards IEC60601-1.

Marking:

- CE\*
- \* Triton 6M massage tables have been designed and manufactured in conformity with essential requirements concerning medical equipment MDD (93/42/EEC)

**Read these cautions carefully before start servicing.**

**Caution** – before servicing disconnect the table from the power supply

**Caution** –do not replace, mount, dismount replacement parts when the table is connected to the power supply.

**Caution** - do not perform service repairs and functional testing when the patient is on the table

## VI. Additional information

In case of any problems with Triton 6M table contact the intermediary or manufacturer's service.

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## 1. Introduction

TRITON 6M traction table is designed to treat the spine under traction together with the traction unit. Traction treatments are performed in order to increase spinal mobility and decompression by relaxing tense muscles and increasing intervertebral disc spacing and foraminal encroachment, which leads to a reduction of oppression and irritation of the nerve roots and improvement of circulation in the area of the vertebral artery.

## 2. Service manual description

Service manual contains information about repairing, maintaining and identification of Triton 6M tables. The table can be identified by using the identification code which is placed on the name plate.

## 3. Table identification

The name plate is located on the bottom frame near the foot remote control.

## 4. A brief description of the table

The Triton 6M Table consists of three parts: treatment section, upper frame and bottom frame.

### **Treatment section**

Treatment section is placed at the top of the table. It contains five sections. These sections are mounted on the upper frame.

### **Upper frame**

The upper frame is mounted on the extension arms of the bottom frame. On the table could be mounted additional equipment.

### **Bottom frame**

Bottom frame is a support base, with four feet and four castors lifted by electrical actuator.

## 5. Troubleshooting, functional testing.

**Important** – Triton 6M tables should be equipped with control box adapted to the electricity voltage in the country.

**Important** – Each and every repair or service intervention should be evidenced according to local rules and regulations. The minimum requirement is to evidence any such actions in user manual or technical passport.

## 5.1. Tools

Standard set of tools is required for servicing of Triton 6M tables.

## 5.2. Functional testing

All movable joints must be lubricated every six months or when experiencing squeaks or other noise. These nodes are:

- axle of transport wheels;
- axle of actuator mounting;
- bearing sleeve of the grab bar and the traction unit base.

We recommend using any available aftermarket penetrating lubricants. Protect the upholstered parts from contact with the lubricants and remove any excess amounts or leaks of these with a dry cloth.

Check the threaded joints periodically every six months and remove loose connections with a screwdriver, hex keys and flat spanners. Such connections are:

- screws extension arms with upper and bottom frame
- screws mounting the lifting mechanism of castors
- screws mounting the traction unit base

Report all loose connections that cannot be removed to the manufacturer's authorized service and cease using the table until the cause of the problem is removed.

Triton 6M tables are equipped with electric actuators which allows to adjust the height of the tables and moves the table sections. In order to ensure proper performance of the actuators check them for unusual sounds every 3 months. These unusual sounds contain rattles, squeaks, creaks. Any perceived performance deficiency must be reported to Meden-Inmed technical service immediately ceasing table operation until remove their causes.

Not less frequently than every 2 years and after each failure/repair of actuator technical service must check the tables for electric safety.

The minimal range of the review should include:

- Check if there were no mechanical wiring damages of the table;
- Check if there were no mechanical damages of the controller and the actuators.

## 5.3. Troubleshooting

<b>Symptom :</b>	<b>Possible cause - solution:</b>
Height adjustment in table doesn't work or doesn't work properly,	Diagnose the table
The actuator emits metallic sound	Replace the actuator
Height adjustment of treatment section doesn't work or doesn't work properly	Check electric actuators
Damaged upholstery	Replace the upholstery
Problem with moving the table	Check/ replace castors

## 6. Replacement procedures

After each replacement of the table component functional test should be done.

**Warning** – during the replacement of the control component of the table, disconnect the table from the power supply.

**Caution** – Triton 6M Tables are available in two versions of voltage AC 120V and AC 230V. The different part of the voltage AC 120V and AC 230V in Triton 6M tables is the controller. Before ordering the controller check the voltage it is used for.

### 6.1. Electric table diagnosis

When table doesn't work, there is no possibility to adjust height, so diagnose the table to identify reasons of the situation.

- Check the voltage of the socket. If there is no voltage, connect the table to another socket. The lack of voltage can be signaled by green LED located on the control box,
- Check the signal of the LED:
  - If the LED isn't on – the lack of voltage, damaged power cord, damaged fuse, damaged control box.
  - If the LED emits continuous signal – damaged control box, damaged actuator.
- Check the power cord. If the power cord is damaged, change it.

LED

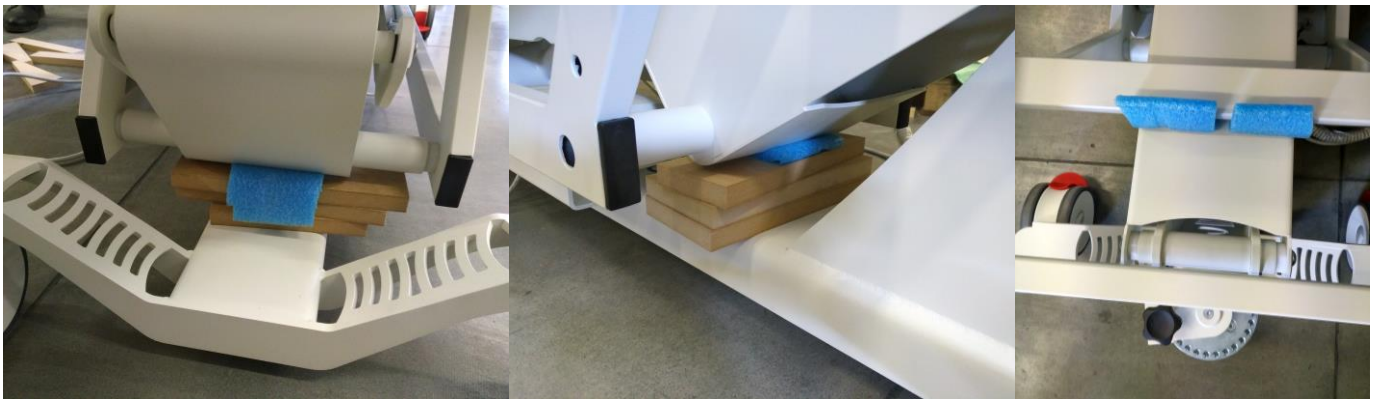


## 6.2. Main actuator replacement

- Remove the side plates of the upper frame (remove the plastic screws) and raise the rear section.



- Place a distance with a soft pad under the booms and under the crossbar of the upper frame at the rear boom and put table on the pads.



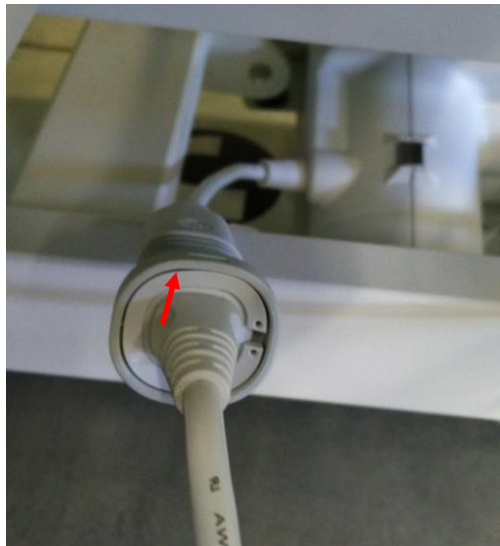
After lowering, disconnect the table from the power supply!



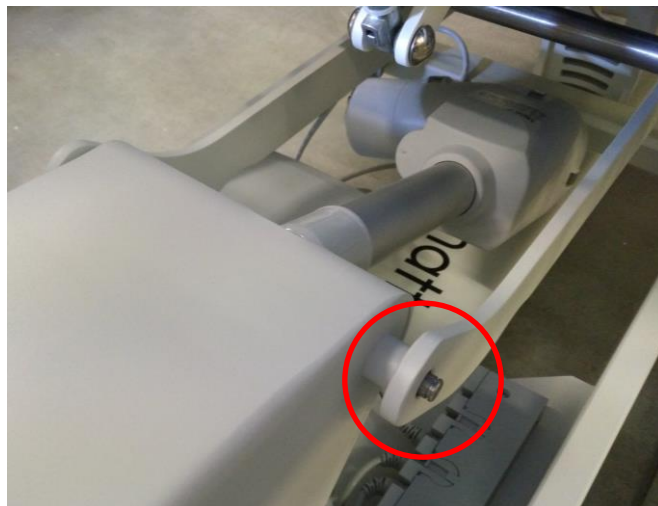
- Cut off the clamp holding the actuator connector.



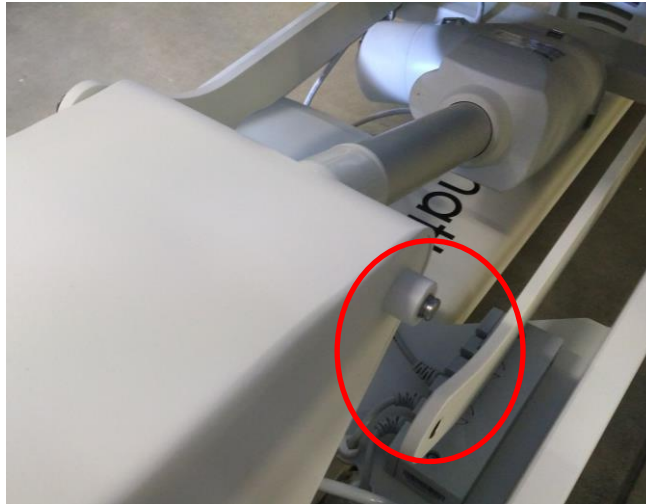
- Remove the protection by pressing a flat screwdriver between the socket and the lock, remove the plug.



- Remove the circlip from the upper axis of actuator.



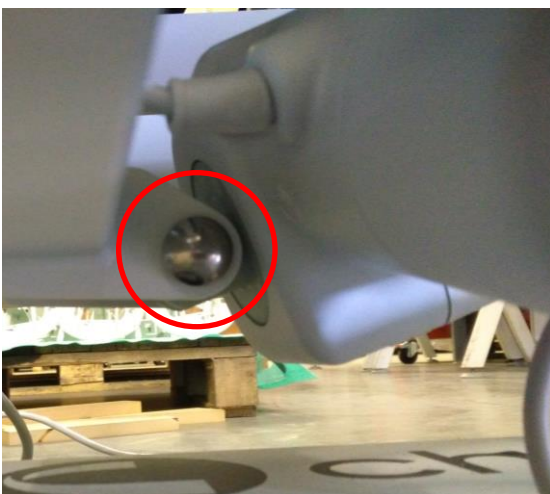
- Remove linker arm.



- Knock out the axis.



- Remove the protective sheath and circlip from the lower axis of actuator, then knock out the axle.



- Take out the actuator.



### 6.3. Gas springs replacement

The spring is fixed in two places.



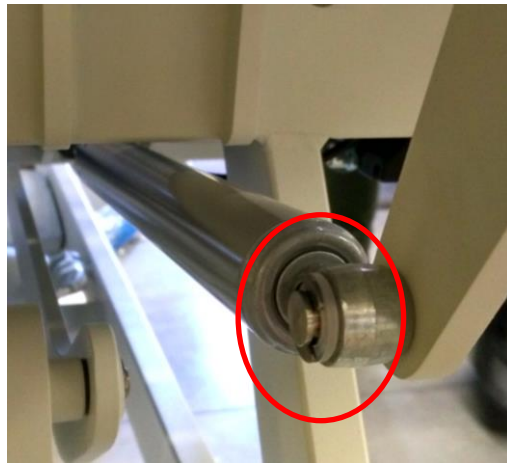
Here presents the disassembly of the headrest spring. For other springs, proceed similarly.

- Before disassembling the springs, sections that use them must be raised upwards.
- disassemble the protective shield on one side and the circlip, then knock out the axle.

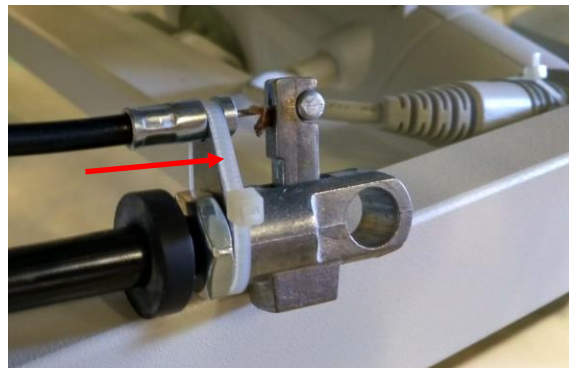




- On the other side disassemble plate and the circlip, then slide the spring from the spindle.



- Cut off the clamp band and pull the cable out of the socket.

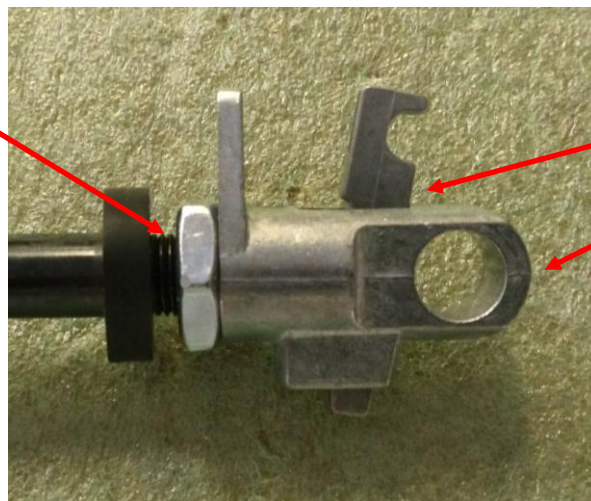


During assembly it is necessary to adjust the spring retarder level by turning the retarder body and counter with the nut.

Properly set retarder lever:

- there is no backlash
- does not result in automatic dismissal of the spring

Counter  
nut



Retarder  
lever

Retarder  
body

## 6.4. Wheel replacement

- Position the side of the device (front or rear) at a distance with a soft washer and unscrew the nut with a socket wrench 19.



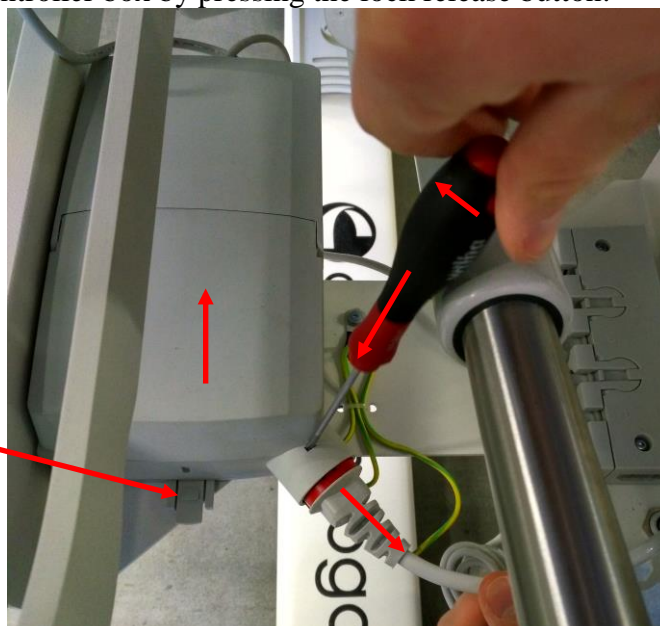
## 6.5. Controller replacement



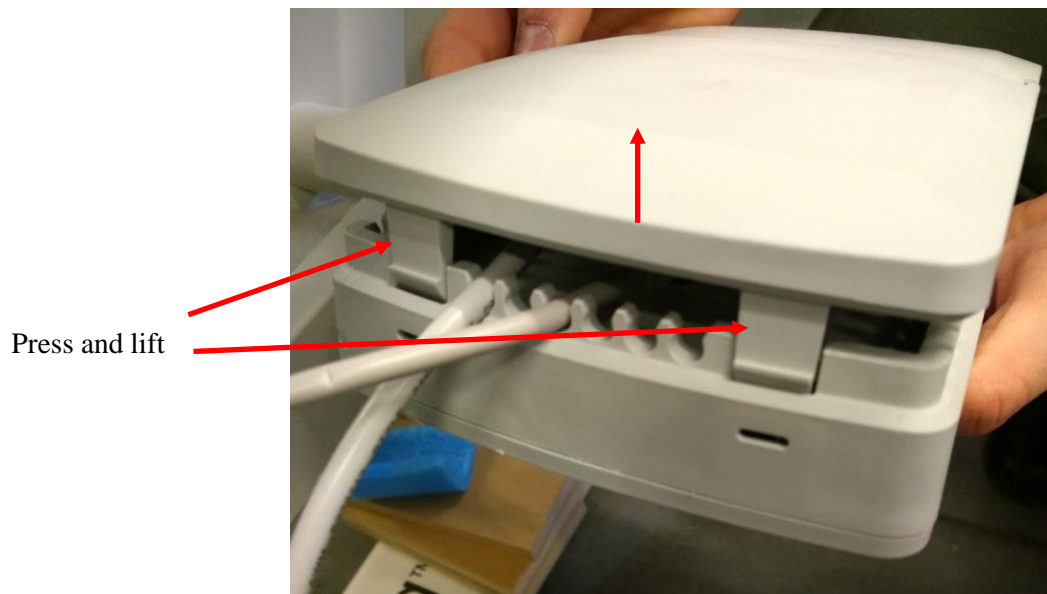
Before replacing the controller, disconnect table from the power supply!

- Unplug the power cord using a flat head screwdriver.
- Pull out the controller box by pressing the lock release button.

Release  
button



- Open the box by pressing the designated places on the box. The flap should slide off the box.



- Disconnect the wires.

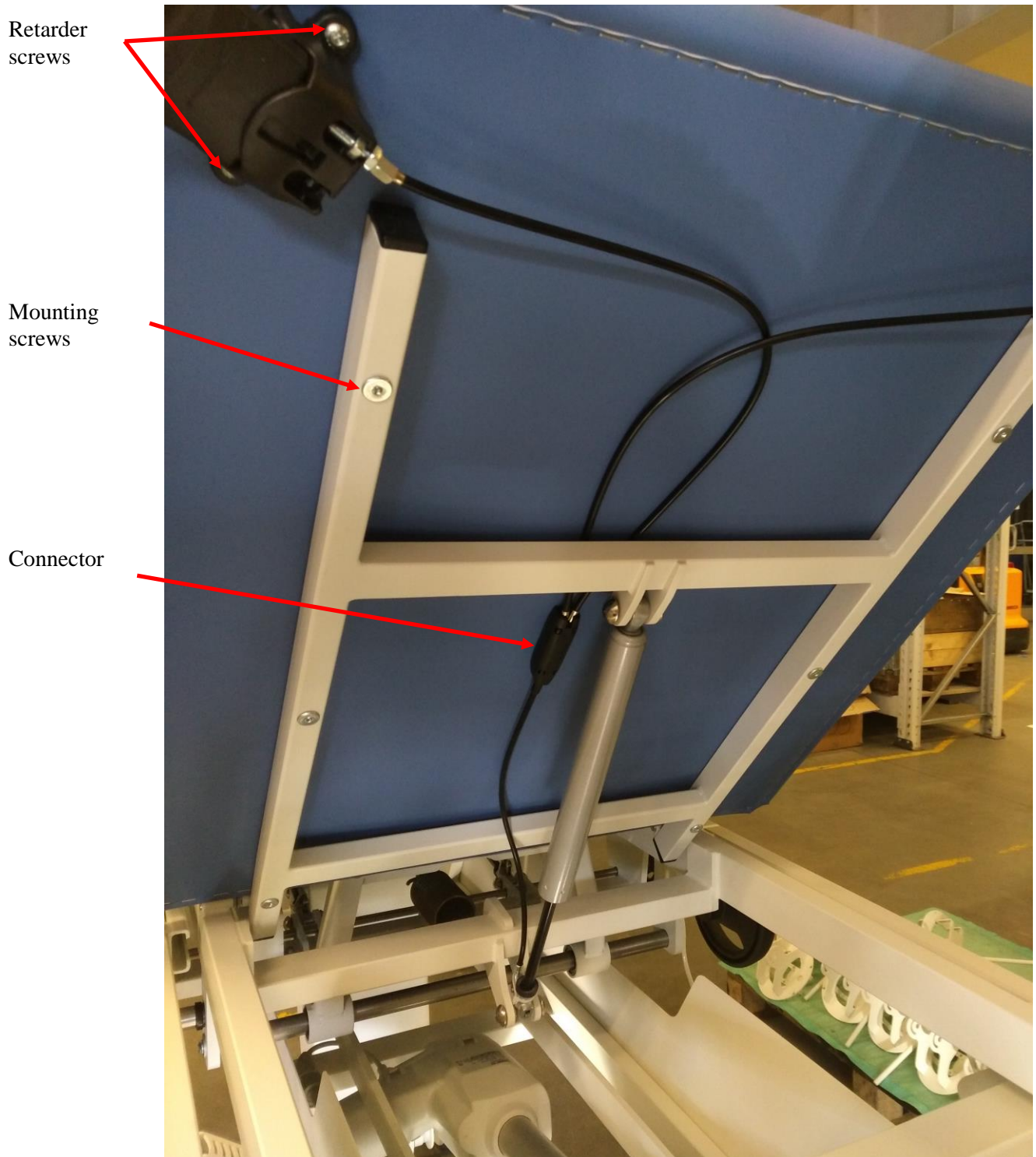


When installing the new controller, pay attention to the correct positioning of the wires. Their excess should be hidden in the controller box.

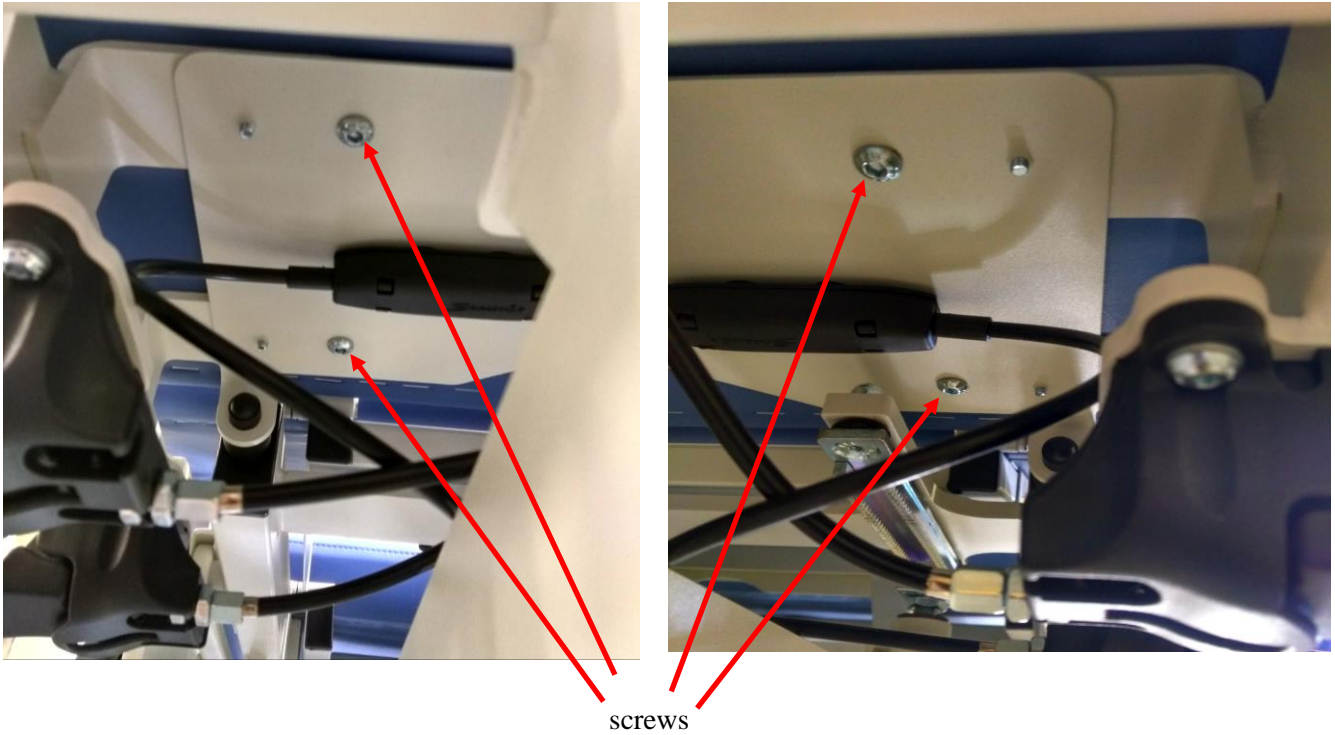


## 6.6. Upholstery replacement

- Replacement of rear section:
  - Unscrew the gas spring retarders mounted on two bolts.
  - Open the cable connector and unscrew the fastener.
  - Unscrew the bolts fixing the upholstery (6 pieces).



- Replacement of upholstery in the middle section (back and lumbar):
  - Unscrew 4 fastening screws.



- Replacement of armrest section:
  - Remove the horns by unscrewing both sides of the device.



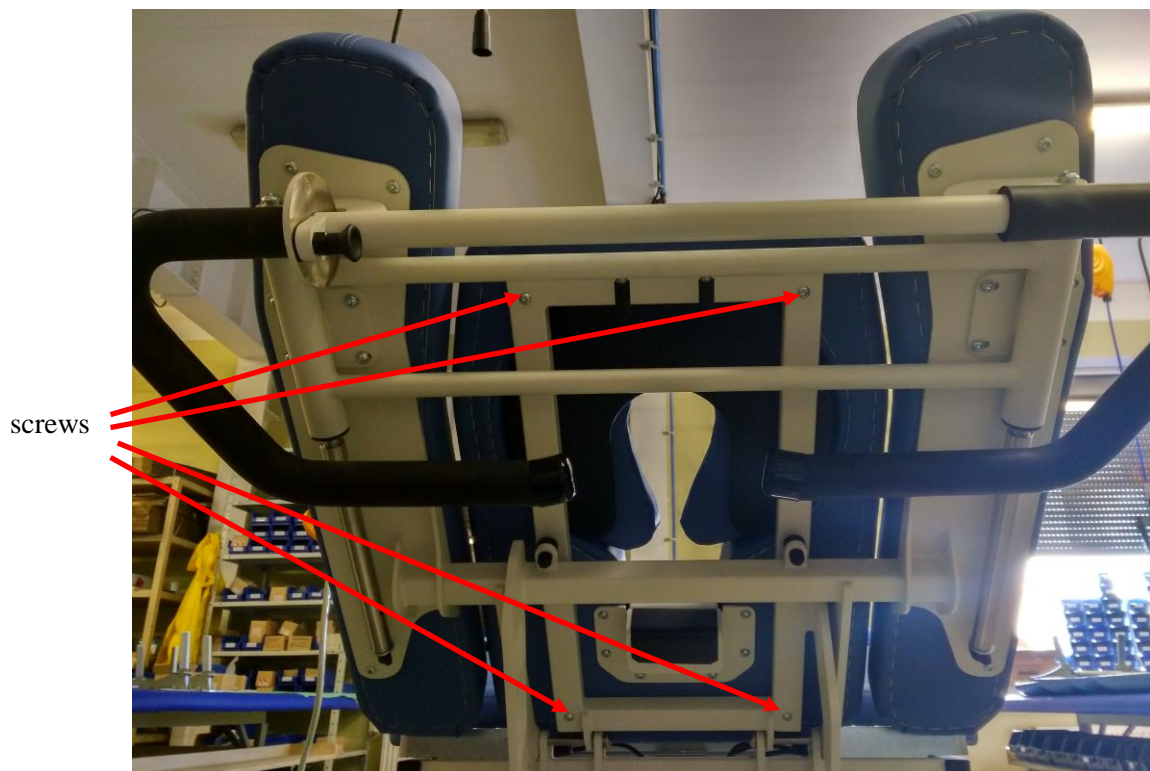


- Unscrew the fastening screws.

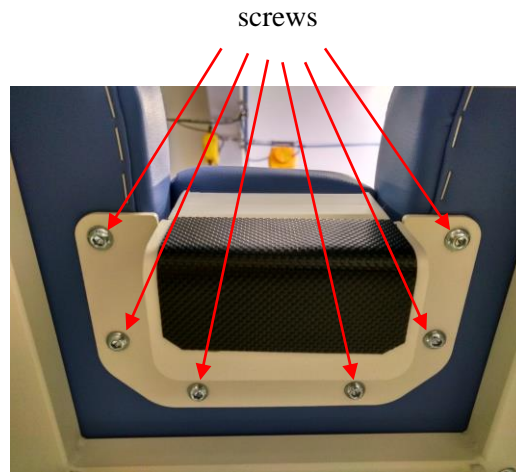


- Replacing the headrest:

- Unscrew 4 fastening screws.



- Unscrew the fastening screws of hook support.

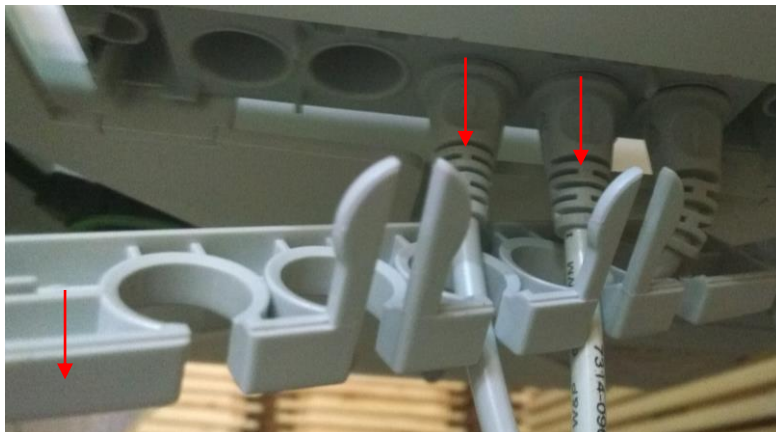


## 6.7. Handheld / Foot remote control replacement

- Unclip the latches with a flat screwdriver.

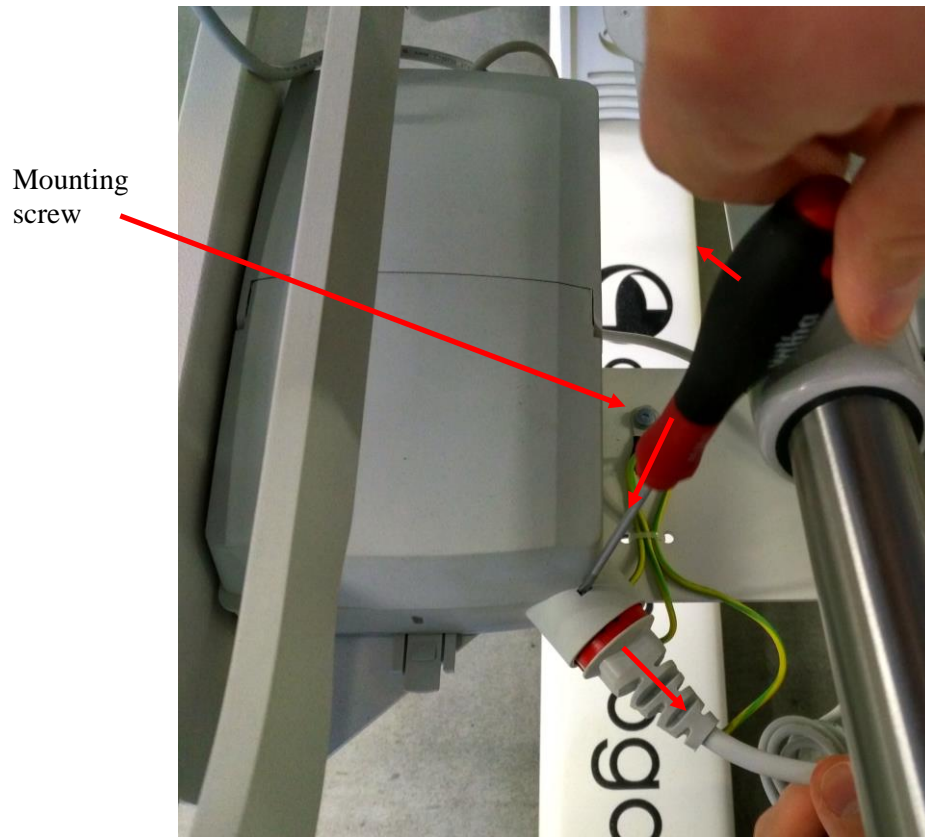


- Remove the lock and remove the cables.



## 6.8. Power cord replacement

- Unplug the power cord using a flat head screwdriver.
- Unscrew the mounting screw.



- Unclip the cable fastening by push.
- Pull the cable through the notch.





## 6.9. Handles cover replacement

- Remove the plug.
- Remove the damaged cover by cutting it along the handle.



- When installing cover with compressed air:
  - Put the beginning of the cover on the handle.



- Insert the gun with compressed air into the other end of the cover and tighten the fingers around it.



- When introducing air, move the cover along the handle until the cover is correctly positioned.
- When installing a cover with a friction reducing agent
  - Lubricate the handle with liquid soap or other anti-friction agent before applying the new coating.
  - Pull the cover through the handle by turning the hand until it is correctly positioned.