



**Umano**  
medical



User and maintenance manual

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**Original instructions**

This manual is used for different markets/jurisdiction and the information covers various features and options for the Echo-Flex™ 5002 table.

This publication is also available in other languages.

Use of the masculine form in this document refers to both men and women.

Printed in Canada

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# INTRODUCTION

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This manual includes instructions and information necessary for normal and safe use of the Echo-Flex™ 5002 table. Reading and comprehension of the instructions and information included in this manual, or in any other document provided with the product, are required before usage, or before performing any maintenance on the equipment.

## Product description

The Echo-Flex™ 5002, model 903-0000, is a powered table intended for medical purposes such as ultrasound procedure and patient exam. The table offers Trendelenburg and reverse Trendelenburg positioning, adjustable surface height from 53.3 cm to 94 cm / 21" to 37" and backrest that allows Fowler positioning (0 to 80 degrees angle). Standard surface dimensions are 68.6 cm x 193 cm / 27" x 76" but can optionally be of 73.7 cm x 193 cm / 29" x 76". The table includes a central locking system, a hand control and a 7.6 cm / 3" vinyl-covered foam cushion. It can, as an option, feature rechargeable battery pack, main section of vinyl-covered foam cushion with curve on the right side, cardiac cutout, positioning cushion, perineal cutout, retractable side rails, swivel and removable arm support, 10.1 cm / 4" cushion, powered foot control, fixed or retractable moving handles, patient handles, paper dispenser and/or accessories such as removable IV pole. The maximum safe working load is 205 kg / 450 lb.

## Intended use

The Echo-Flex™ 5002 is intended to support and position a patient during examination and/or non-surgical procedures such as, but not limited to ultrasound scan. Use environments are hospitals, medical facilities and outpatient or ambulatory care clinics.

The Echo-Flex™ 5002 examination table is ergonomically designed to allow users to work as close as possible to the patient, thus avoiding hyperextension which is often responsible for occupational injuries. The electric height adjustment allows users to adjust the table to the right height for comfortable working, and the adjustment is effortless.

Users are healthcare professionals and maintenance personnel. It is intended for use of one single adult or adolescent patient. It is not intended to transport a patient between procedural rooms or departments.

## Contact

The manufacturer can be contacted for any assistance regarding the set up or the use of the table, and its maintenance.

### **Reporting problems:**

The user and/or patient should report any suspected serious incident related to the device by informing the manufacturer and the competent authority of the member state in which the serious incident has occurred.

#### ***Umano Medical inc.***

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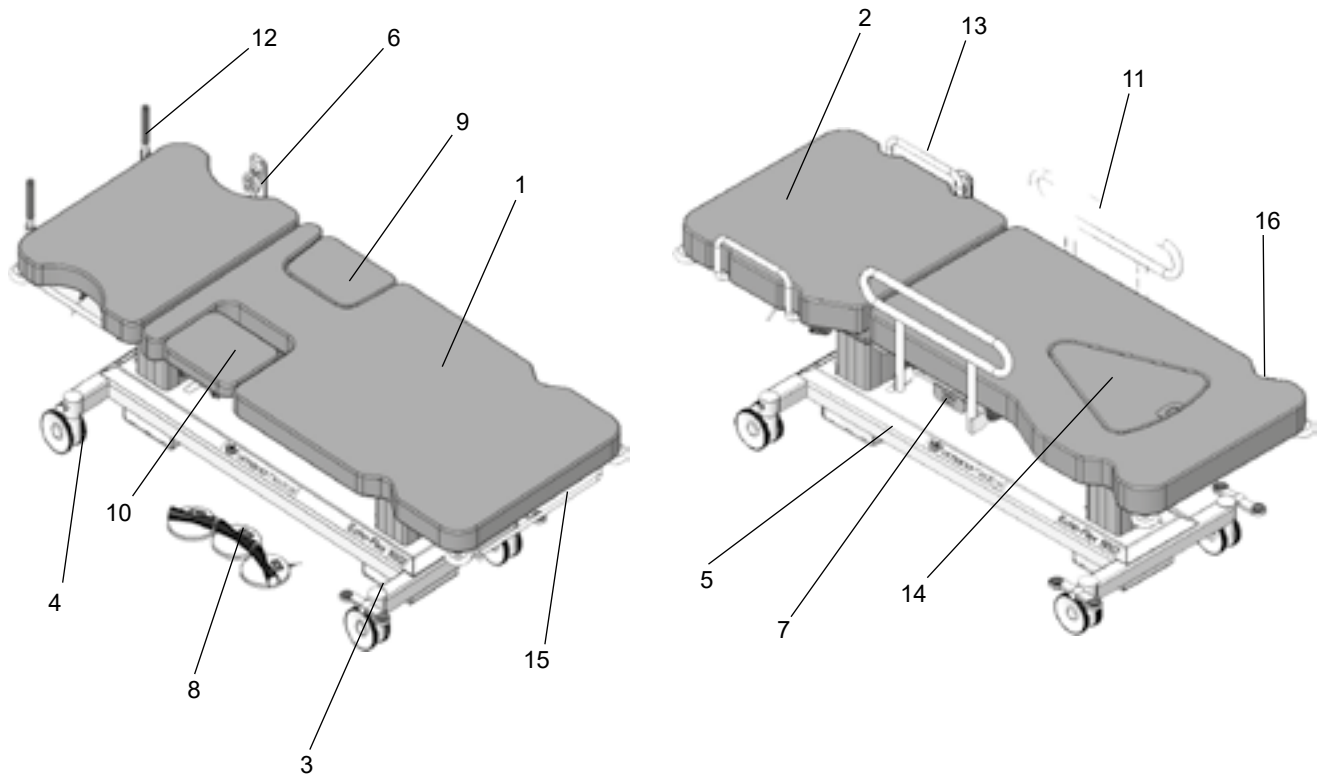
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## Product illustration



Item	Description	Item	Description
1	Main section	2	Backrest section
3	Caster with braking pedal	4	Caster without braking pedal
5	Base and frame	6	Hand control
7	Siderail release handle (option)	8	Foot control (option)
9	Cardiac cutout (option)	10	Positioning cushion (option)
11	Siderail (option)	12	Foldable moving handles (option)
13	Patient handle	14	Perineal cutout (option)
15	Paper dispenser (option)	16	IV pole support (option)

## Technical specifications

<b>Weight and dimensions</b>		
Table weight (can vary depending on options)	300 ± 50 lb	136 ± 23 kg
Safe working load (including patient and accessories)	450 lb	205 kg
Length with bumpers (76" patient surface)	76.5"	196 cm
Width with standard cushion, without siderails with standard cushion, with siderails with wider cushion, without siderails with wider cushion, with siderails	27.5" 31.25" 29" 32.75"	70 cm 79 cm 74 cm 83 cm
Height lowest highest (May vary depending on options)	21" 37"	53 cm 94 cm
Siderail length	24"	61 cm
Casters diameter	5"	12.7 cm
<b>Angulations</b>		
Backrest section (Fowler positioning)	0° to 80°	
Trendelenburg / reverse Trendelenburg	-15 ± 2° to +15 ± 2°	
<b>Cushion fabric</b>		
Vinyl Water-proof Anti-microbial Stain resistant Fire resistant FMVSS-302 CALTB 117-2013 IMO FTP Code 2010 - Part 8 MVSS302 NFPA 260 Class 1 UFAC Class 1		
<b>Environmental conditions (non condensing conditions)</b>		
Usage ambient temperature relative humidity atmospheric pressure	41 °F to 104 °F 20 to 80 % 70 to 106 kPa	5 °C to 40 °C 20 to 80 % 70 to 106 kPa
Transporting and warehousing ambient temperature relative humidity atmospheric pressure	14 °F to 122 °F 20 to 80 % 70 to 106 kPa	-10 °C to 50 °C 20 to 80 % 70 to 106 kPa

Electrical requirements	
Electrical and mechanical requirement	Respects the norms: IEC60601-1, CAN/CSA C22.2 60601-1, UL60601-1, IEC60601-1-2.
Water protection level	Control box : IPX6 Actuator : IPX4 Column : IPX6 Hand control : IPX4 Foot control : IPX6 Battery : IPX6
Protection against electrical shocks	Class II, Type B
Voltage	120 VAC, 60 Hz
Amperage	4.2 A max
Actuators	24 VDC nominal
Battery type	rechargeable sealed lead acid battery 24 VDC nominal
Duty cycle	2 minutes ON, 18 minutes OFF

## EMC information

Guidance and manufacturer’s declaration - emission		
The “Echo-Flex™ 5002” is intended for use in the electromagnetic environment specified below. The customer or user of the “Echo-Flex™ 5002” should ensure that it is used in such an environment.		
Emission test	Compliance	Electromagnetic environment - guidance
Radiated RF EM fields CISPR 11	Group 1 Class A	The “Echo-Flex™ 5002” uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.  The “Echo-Flex™ 5002” is suitable for use in all establishments, <b>other than</b> domestic, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Conducted RF emissions CISPR 11	Group 1 Class A	
Harmonic distortion IEC 61000-3-2	N/A	
Voltage fluctuations and flicker IEC 61000-3-3	N/A	

### Guidance and manufacturer's declaration – immunity

The "Echo-Flex™ 5002" is intended for use in the electromagnetic environment specified below. The customer or user of the "Echo-Flex™ 5002" should ensure that it is use in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge IEC 61000-4-2	±8 kV Contact ±2 kV, ±4 kV, ± 8kV, ±15 kV Air	±8 kV Contact ±2 kV, ±4 kV, ±8 kV, ±15 kV Air	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	±2 kV Mains ±1 kV Controls	Same as IEC 60601 test level	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV Differential	Same as IEC 60601 test level	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips immunity and short interruptions  IEC 61000-4-11	0% Dip for 0.5 Cycle  0% Dip for 1 Cycle  70% Dip for 30 Cycles  0% Dip for 300 Cycles	Same as IEC 60601 test level	Mains power quality should be that of a typical commercial or hospital environment. If the user of the "Echo-Flex™ 5002" requires continued operation during power mains interruptions, it is recommended that the "Echo-Flex™ 5002" be powered from an uninterruptible power supply or battery.
Power Frequency Magnetic Field 50/60Hz IEC 61000-4-8	30 A/m	Same as IEC 60601 test level	Power frequency magnetic fields should be that of a typical commercial or hospital environment.
Conducted disturbances induced by RF fields IEC 61000-4-6	3V (6V in ISM bands) 150 kHz to 80 kHz	Same as IEC 60601 test level	Interference may occur in the vicinity of equipment containing a transmitter.
Radiated RF electro-magnetic field IEC 61000-4-3	3 V/m 80 MHz to 2.7 GHz	Same as IEC 60601 test level	Interference may occur in the vicinity of equipment containing a transmitter.
Proximity fields from RF wireless communications equipment IEC 61000-4-3	385 MHz: 27V/m  710 MHz, 745 MHz, 780 MHz: 9 V/m  450 MHz, 810 MHz, 870 MHz, 930 MHz: 28 V/m  1.72 GHz, 1.845 GHz, 1.97 GHz, 2.45 GHz: 28 V/m  5.24 GHz, 5.5 GHz, 5.785 GHz: 9 V/m	Same as IEC 60601 test level	Interference may occur in the vicinity of equipment containing a transmitter.
Proximity magnetic fields IEC 61000-4-39	30 kHz: 8A/m (CW)  134.2 kHz: 65 A/m (PM 2.1 kHz)  13.56 MHz: 7.5 A/m (PM 50 kHz)	Same as IEC 60601 test level	Interference may occur in the vicinity of equipment containing a transmitter.

## Symbols and definitions

Different symbols are used on the product and in this manual. Their purpose is to inform the user on functional details or on safety related measures.



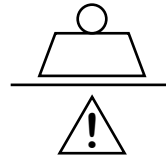
Indicates the medical device manufacturer



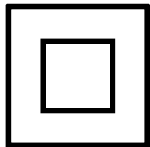
Indicates the need for the user to consult the instructions for use for cautionary information such as warnings and precautions that cannot be presented on the medical device itself



Indicates the date when the medical device was manufactured



Indicates the maximum safe working load for a safe use of equipment



Indicates that the product has a double electrical insulation



Indicates the need for the user to consult instructions for use or electronic instructions for use



Indicates a Type B applied part complying with the specified requirements of this standard to provide protection against electric shock, particularly regarding allowable patient leakage current and patient auxiliary current



Indicates a general mandatory action



Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or to indicate that the current situation needs operator awareness or operator action in order to avoid undesirable consequences



Indicates that when disposed, the equipment must be collected separately in accordance with the European Directive 2002/96/EU relatively to waste electrical and electronic equipment (WEEE)



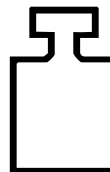
Indicates that on the rating plate, the equipment is suitable for alternating current only to relevant terminals



Indicates the manufacturer's catalogue number so that the medical device can be identified



Indicates a warning of hand crushing hazard.



Indicates the product weight

## Pictograms and definitions

Different pictograms are used on the product and in this manual. Their purpose is to facilitate the reading and the understanding of the different functionalities to the user.



Do not obstruct the zone



Illustration indicating possible activation of Hi-Lo per use of a button



Illustration indicating possible activation of Backrest section per use of a button



Illustration indicating possible activation of Trendelenburg or reverse Trendelenburg positioning per use of a button (optional foot control)



Illustration on the hand control indicating the tilt function



Illustration indicating possible activation of Trendelenburg or reverse Trendelenburg positioning per use of a button (hand control)



Illustration on the hand control indicating a need for troubleshooting



Illustration on the hand control indicating the battery level



Illustration on the hand control indicating the if the device is operating in powered mode

## Safety measures

Terms DANGER, WARNING, ATTENTION and IMPORTANT are used in this manual to indicate important measures to take for use or maintenance of the equipment. The gradation, the definitions and safety measures shall be carefully reviewed and understood before use.

### Gradation and definition of safety measures

#### **DANGER**

Indicates an imminent hazardous situation, which if not avoided, will result in serious injury or death.

#### **WARNING**

Indicates a potentially dangerous situation, which if not avoided, could result in a moderate to a severe injury or death.

#### **ATTENTION**

Indicates a potentially dangerous situation, which if not avoided, could result in a minor to moderate injury or, in damages to the product or to the environment.

#### **IMPORTANT**

Indicates additional precisions on user or maintenance instructions.

---

## Safety measures

#### **IMPORTANT**

Reading and understanding of safety measures included in this manual are required prior to set up, usage and/or maintenance of the table. Users shall be trained on product usage and knowledgeable of hazards associated with usage of electric tables.

---

#### **DANGER**

- **POSSIBLE FIRE HAZARD.** Do not use in an oxygen-rich environment, or use oxygen-administering equipment other than the nasal or mask type. If not avoided, sparks could occur into actuators and situation could result in severe injury or death.

**WARNING**

- The patient must not take place on the table if the brakes are not engaged. If not avoided, could lead to patient fall.
- The patient must take place on the table from its side. If not followed, could lead to patient fall.
- Do not obstruct the base or the region located behind and under the backrest. If not avoided, could result in damages to the product causing the patient to fall.
- This table is not designed for patient transport. Moderate to severe injuries could occur.
- Do not use a defibrillator with this product. May cause damages to product and/or result in electrical burns. The metallic components of this table can accumulate or channel defibrillator charges and discharge it to any person in close proximity.
- Always lower the table to its lowest position before the patient takes place on the table.
- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.
- This table is designed to support a maximum weight of 450 lb / 205 kg, including the patient and the accessories. If not respected, the table's functionalities could be compromised and damages could occur to the table.
- Always store the power cord and excess cable length on the hooks designed for this purpose to avoid damaging the cable. A damaged cable could lead to injuries of electrical nature.
- Do not use the power cord or other cables to move the table to avoid damaging the cables. A damaged cable could lead to injuries of electrical nature.
- Once the patient is in place, make sure to raise the siderail and that it is locked, when applicable. If not respected, could result in patient fall.
- Do not use the siderails and moving handles as a boosting handle to ingress the table. If not avoided, the table could tip over, leading to moderate to severe injury.
- Before installing or extending the IV pole, make sure there is sufficient clearance between the table and the ceiling. If not followed, could lead to injuries of electrical nature.
- Fully extended fixed IV pole length is 48", consider maximum table height of 37" if transporting table, or if lighting or ceiling is low. IV pole will move with table when elevation system activated. Ensure proper clearance.
- Parts containing one or more electrical components must not be opened, they must be replaced.
- The table must always be positioned to ensure constant access to disconnect the power cable from the outlet.
- The medical electrical equipment or medical electrical system should not be used adjacent to or stacked with other equipment and if adjacent or stacked use is necessary, the medical electrical equipment or medical electrical system should be observed to verify normal operation in the configuration in which it will be used.
- Do not use accessories, transducers and cables other than those recommended or provided by the manufacturer. If not avoided, situation could cause an increase of electromagnetic emissions or a decrease of the electromagnetic immunity and cause an improper operation of the control unit.
- Ensure that the portable radio frequency equipments, and their antenna cables, are not closer than 12" / 30 cm of any part of the control unit.
- Always unplug the power cord and, if applicable, unplug the batteries harness before performing maintenance and/or repairs on the table. If not avoided, situation could result in severe injury.

- Make sure to follow establishment cleaning or disinfection protocols when moving table between areas and/or between patients to prevent contamination or infection.
- The table contains and could expose the user to lead, lead compounds and other chemicals, such as toluene, N-hexane and Antimony trioxide, which are known to the state of California to cause cancer and/or birth defects or other reproductive harms. Refer to the Disposal and recycling section for proper disposal of electrical components.



### ATTENTION

- Do not leave patient unattended. Patient monitoring and patient-authorized table functionalities are the responsibility of the establishment.
- Keep table away from sources of heat. Heating the surfaces could result in damages to the product and minor injuries.
- This table is not designed to be used in the context of magnetic resonance imaging (MRI). Use in the intended conditions.
- Make sure there is no interference between the table's electrical components and diagnostics devices.
- Do not move the table while it is plugged into a wall outlet. If not avoided, damages to the table or the environment could occur.
- Make sure the power cable is in proper condition before plugging it in a wall outlet.
- Make sure not to roll the table on any cable when moving it to avoid damaging the cables.
- Do not leave cables in the vicinity of the moving parts of the table. If not avoided, could lead to damages to the table.
- Place the hand control on its support after use. If not followed, could lead to damages to the cable.
- Do not drop the siderail or the cardiac cutout when lowering them. If not avoided, damages to the table and minor injuries could occur.
- Do not leave the foot control near the patient ingress area. If not avoided, could lead to involuntary activation of the functions, which could result in patient fall.
- Do not exceed the safe working load limit of 25 lb / 11 kg on the arm support. If not avoided, could cause permanent damages to the table.
- Do not use the IV pole to move the table. Damages to the table could occur.
- Do not use the IV pole as a boosting handle to ingress the table. If not avoided, damages to the table could occur.
- Do not exceed the safe working load limit of 20 lb / 9 kg per hook (or 40 lb / 18 kg total) on the IV pole. If not avoided, could cause permanent damages to the table.
- Do not exceed the duty cycle. If situation is not avoided, could cause overheat of actuators leading to minor injury.
- Do not steam clean. Damages to the fabrics could lead to a higher risk of contamination.
- To ensure the product's adequate functioning, perform the recommended maintenance.
- No modification of this equipment is allowed unless it was approved of by the manufacturer, performed by qualified personnel, and inspected and tested to ensure its safety.

### IMPORTANT

Words LEFT and RIGHT used in this manual refer to the left and right sides of the patient while laying on his back.

---

# GETTING STARTED

---

## Steps list for set up



### WARNING

- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.
- Always store the power cord and excess cable length on the hooks designed for this purpose to avoid damaging the cable. A damaged cable could lead to injuries of electrical nature.



### ATTENTION

- Keep table away from sources of heat. Heating the surfaces could result in damages to the product and minor injuries.
- This table is not designed to be used in the context of magnetic resonance imaging (MRI). Use in the intended conditions.
- Do not move the table while it is plugged into a wall outlet. If not avoided, damages to the table or the environment could occur.
- Make sure the power cable is in proper condition before plugging it in a wall outlet.
- Make sure not to roll the table on any cable when moving it to avoid damaging the cables.
- Do not leave cables in the vicinity of the moving parts of the table. If not avoided, could lead to damages to the table.
- Do not exceed the duty cycle. If situation is not avoided, could cause overheat of actuators leading to minor injury.

### IMPORTANT

Always let the table temper at room temperature before setup

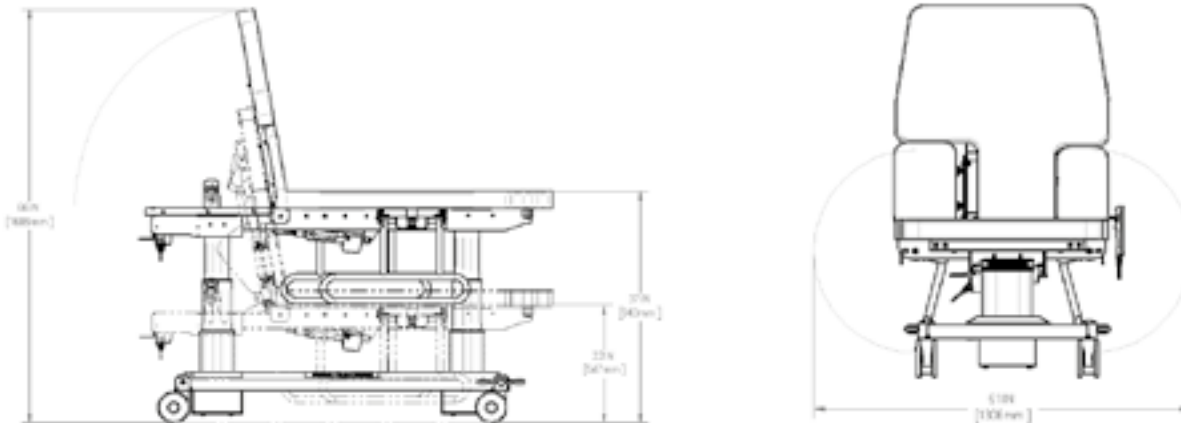
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Table must be properly installed and verified prior to be put in service. Refer to the list below to ensure proper set up.

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The product is assembled and ready for use upon delivery. It must be inspected on reception to make sure no damages occurred during transport.

1. Once the product is unpacked and placed in the desired location, install all applicable accessories. Refer to the [Accessories](#) section (page 29).
2. Perform a complete visual inspection of the table. Contact **Umano Medical** or local representative if there are any damages or missing items.
3. Ensure table has reached [environmental conditions for use](#) (page 7) prior to plugging it to a wall socket. Refer to the section of [technical specifications](#) (page 7).
4. Make sure there is enough space surrounding the product as to avoid collisions with the environment in any position.



5. Once the table is in place, activate the braking system.
6. Remove all remaining packaging on the product.
7. Plug in the power cable. If applicable, let the table charge before use.
8. Test all hand control functions to ensure proper operation.
9. If applicable, test all foot control functions to ensure proper operation.
10. If applicable, test the cardiac cutout functions to ensure proper operation.
11. If applicable, test the positioning cushion functions to ensure proper operation.
12. If applicable, test the perineal cutout functions to ensure proper operation.
13. If applicable, test the siderails' functions to ensure proper operation.
14. If applicable, test the moving handles' functions to ensure proper operation.
15. If applicable, test the swivel and removable arm support functions to ensure proper operation.
16. If applicable, test the paper dispenser functions to ensure proper operation.
17. Contact **Umano Medical** or local representative if any problem arises following an operation test.

# OPERATING INSTRUCTIONS

---

## IMPORTANT

Read and understand all information covered in this manual before operating the equipment. Users shall be knowledgeable about inherent hazards related to use of electric tables.

---

## Power up and modes of operation

If a power failure occurs, the table will automatically initiate the battery-powered mode, if the optional battery is present.

If the table operates on batteries, the medical professional controls for table-motion will remain functional.



## WARNING

- The table contains and could expose the user to lead, lead compounds and other chemicals, such as toluene, N-hexane and Antimony trioxide, which are known to the state of California to cause cancer and/or birth defects or other reproductive harms. Refer to the Disposal and recycling section for proper disposal of electrical components.

---

**Powered mode:** Powered mode is activated if the table is power supplied or if power returns after a power failure. All table functionalities will operate if table is power supplied. While being recharged, the battery LED signal on the hand control will blink.

**Battery powered mode:** Battery powered mode is activated if power failure occurs or if the table power cord is unplugged from wall outlet.

Battery level is visible on the hand control.

When three full LED lights are visible on the hand control, battery is at between 70% and 100% capacity.

When two full LED lights are visible on the hand control, battery is at between 20% and 70% capacity. An audible signal can be heard on button press when the battery is below 50% capacity.

When one blinking light is visible on the hand control, battery is below 20% capacity.

When no LED lights are visible, battery is depleted.

If table must be stored for an extended period, ensure to plug the table during storage to avoid the complete drainage of the battery. Batteries should be charged every 6 months.

Battery powered mode must be used as a back-up power source. The battery isn't intended to be used as the primary power source.

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## System signals

The Echo-Flex™ 5002 table can issue a signal to inform the user that an action is required. It can be visual and/or audible.

### Visual signals

A visual signal may take the form of LED lights on the hand control.

The hand control lights provide information on the battery level (when applicable), the mode of operation (indicates if the table is operating in powered mode) and if the table is in need of servicing.

For further information on the hand control lights and their interpretation, refer the [Hand control lights](#) section (page 23).

For further information on troubleshooting, refer to the [Troubleshooting](#) section (page 51).

### Audible signals

An audible signal can be caused by an insufficient level of battery charge; plug the table into the main power supply.

An audible signal can be issued from the control box situated under the table. A verification of connections, a reset or a component replacement may be required.

For further information on troubleshooting, refer to the [Troubleshooting](#) section (page 51)

## Transporting table

### **WARNING**

- This table is not designed for patient transport. If not avoided, moderate to severe injuries could occur.

### **ATTENTION**

- Do not move the table while it is plugged into a wall outlet. If not avoided, damages to the table or the environment could occur.
- Do not use the IV pole to move the table. Damages to the table could occur.

In its base package, the table is not fitted with dedicated transporting apparatus. Any part of the frame or the cushions can be used as leverage to move the table around the room, or between rooms, if necessary.

The table can also be equipped with fixed or foldable moving handles (option), which can facilitate table transport. Refer to the [Moving handles](#) section (page 28) for more detailed information.

## Base and frame

### Central braking and steering

The Echo-Flex™ 5002 table is equipped with a central and steering braking system. Using the pedals found on either side of the table allows the user to either lock the table in place, put it in a neutral position or limit the table's movements to one direction only.

#### **WARNING**

- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- The patient must not take place on the table if the brakes are not engaged. If not avoided, could lead to patient fall.
- This table is not designed for patient transport. If not avoided, moderate to severe injuries could occur.

#### **ATTENTION**

- Do not move the table while it is plugged into a wall outlet. If not avoided, damages to the table or the environment could occur.
- Make sure not to roll the table on any cable when moving it to avoid damaging the cables.

#### **Engage brakes:**

1. To engage, completely activate one of the 2 pedals in the red direction.
2. Ensure brakes are engaged. A “click” sound indicates that the caster is locked.
3. To disengage brakes, activate one of the pedals once in the green direction to put in neutral position. Activate completely in the green direction for steering position.

#### **Neutral positioning:**

1. Table is in a neutral positioning when pedals are in flat position.
2. Activate pedal in the red position for brake or in the green position for steering.

#### **Engage steering:**

1. To engage steering, completely activate one of the pedals in the green position.
2. Move the table on a distance of approximately 2 feet towards the desired direction for the steering casters activation. A “click” sound indicates that the caster is locked for steer motion.



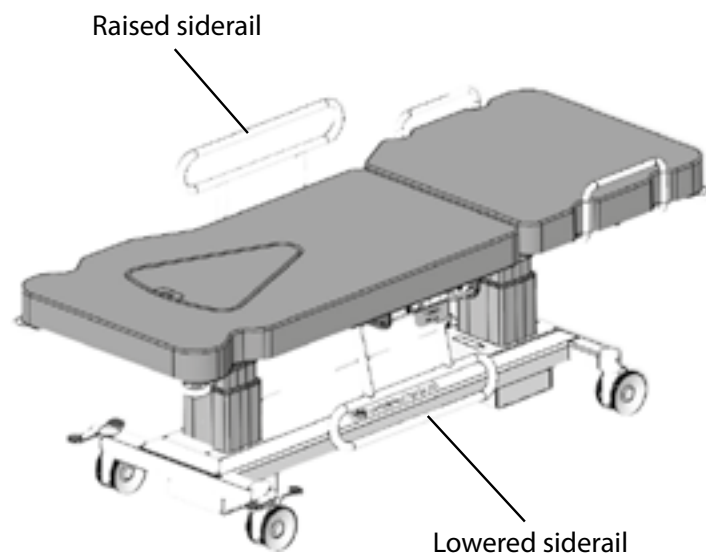
## Retractable siderails (option)

### **WARNING**

- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.
- Once the patient is in place, make sure to raise the siderail and that it is locked, when applicable. If not respected, could result in patient fall.
- Do not use the siderails and moving handles as a boosting handle to ingress the table. If not avoided, the table could tip over, leading to moderate to severe injury.

### **ATTENTION**

- Do not drop the siderail or the cardiac cutout when lowering them. If not avoided, damages to the table and minor injuries could occur.

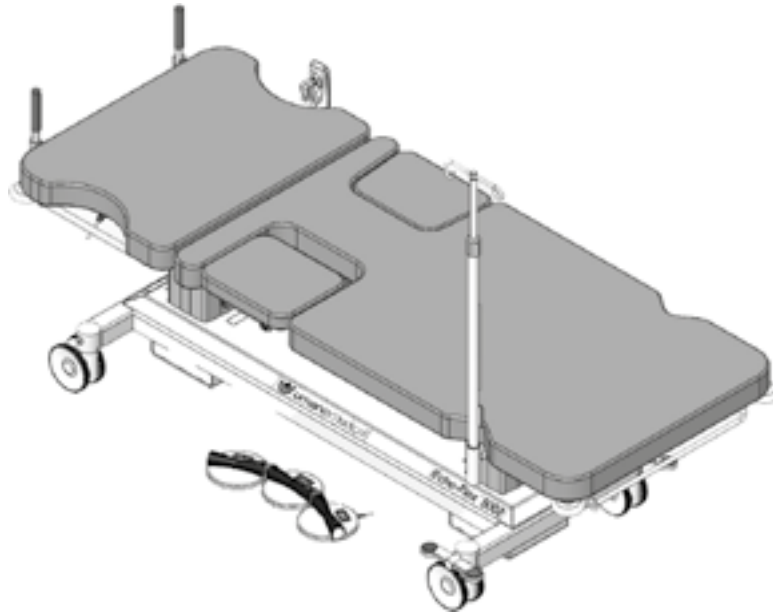


To lower the siderail, pull on the handle with one hand and hold the siderail with the other hand to lower it.

The siderail locks in place automatically when raised. An audible “click” will be heard once the siderail locks in place.

## IV pole support (option)

The table can be fitted with a support for an IV pole on either side of the foot of the table. Refer to the [IV pole](#) section in the accessories for more information.



## Rechargeable battery (option)

### **WARNING**

- Parts containing one or more electrical components should not be opened, they should be replaced.

### **Instructions:**

Never fully deplete the battery. This could damage the battery and reduce its performance. Do not leave without charging for more than 6 consecutive months.

Always let the battery temper at room temperature before using.

After each day of use, recharge the battery for a period of 8 hours. Simply plug the table into the wall outlet.

If the battery isn't used every day, recharge as needed.

Battery powered mode must be used as a back-up power source. The battery isn't intended to be used as the primary power source.

The battery has a life cycle of approximately 5 years and should be replaced once every 5 years or sooner, depending on use.

Battery level is displayed on the hand control. Refer to the [hand control lights](#) section (page 23) for more information.

## Table movements

The Echo-Flex™ 5002 table offers a variety of movements, which can be activated using either the hand control or the foot control (option).

The instructions on how to operate the different movements are described below.

### **WARNING**

- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.

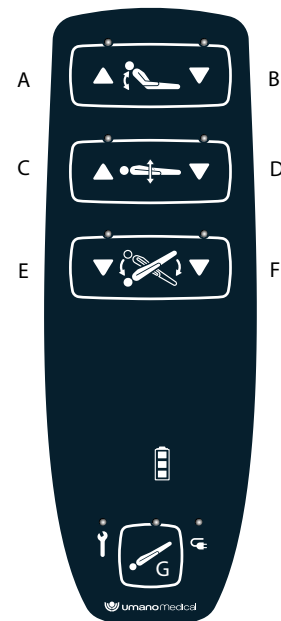
### **ATTENTION**

- Do not leave patient unattended. Patient monitoring and patient-authorized table functionalities are the responsibility of the establishment.
- Make sure not to roll the table on any cable when moving it to avoid damaging the cables.
- Do not leave cables in the vicinity of the moving parts of the table. If not avoided, could lead to damages to the table.
- Place the hand control on its support after use. If not followed, could lead to damages to the cable.
- Do not leave the foot control near the patient ingress area. If not avoided, could lead to involuntary activation of the functions, which could result in patient fall.

## Hand control

### Functions:

- A: Tilt backrest section upward (Fowler)
- B: Tilt backrest section downward (Fowler)
- C: Raise table height
- D: Lower table
- E: Trendelenburg
- F: Reverse Trendelenburg
- G: Simultaneous movements: tilt the backrest and main sections backwards (Trendelenburg position)



## Lights

- A: 3 full lights: 70% to 100% capacity; 2 full lights: 20% to 70% capacity; 1 blinking light: 0% to 20% capacity; No lights: battery empty or no battery
- B: Service light (see [troubleshooting](#) section on page 51)
- C: Indicates that the table is plugged into the wall

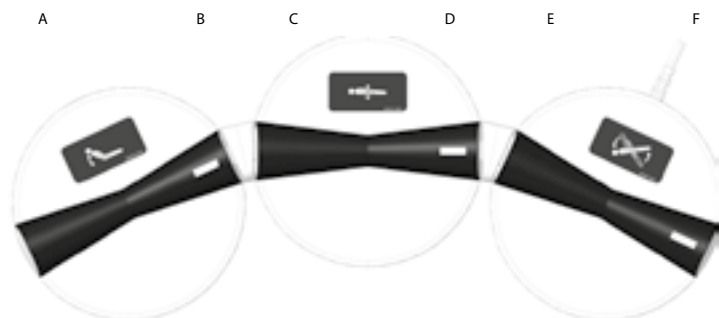


## Powered foot control (option)

The Echo-Flex™ 5002 table can be equipped with a powered foot control, which allows the user to activate the table's various movements using their feet. By stepping on the different pedals, the user can tilt the backrest up and down, raise and lower the table height, as well as activate the Trendelenburg and reverse Trendelenburg positioning.

### Functions:

- A: Tilt backrest section upward (Fowler)
- B: Tilt backrest section downward (Fowler)
- C: Raise table height
- D: Lower table
- E: Trendelenburg
- F: Reverse Trendelenburg



## Cushions

### Cardiac cutout (option)

The Echo-Flex™ 5002 table can be equipped with a cardiac cutout, which allows easier access to a patient's chest section to perform observations by ultrasound in that region.

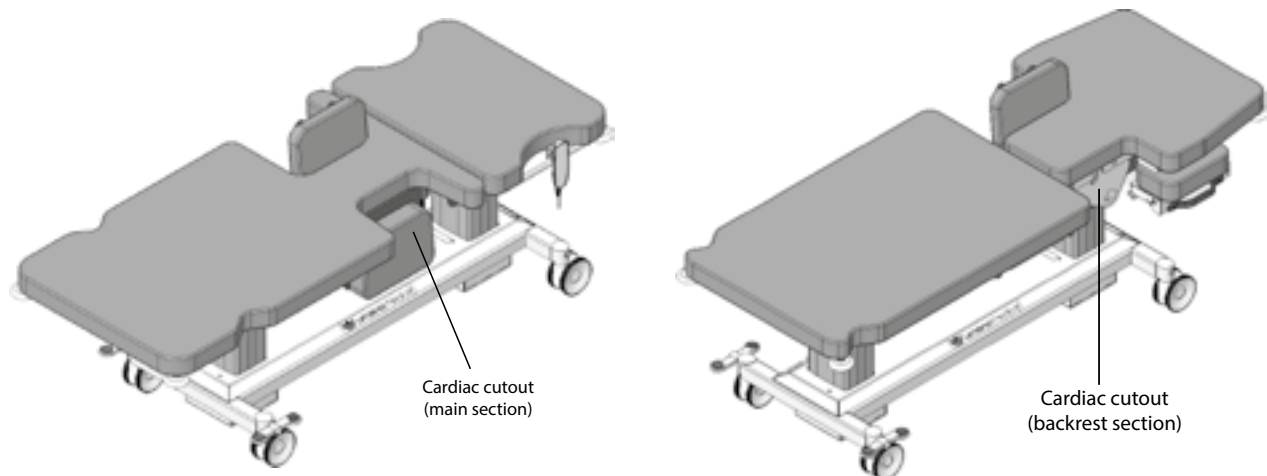
The cardiac cutout can be placed either on the main section or on the backrest section.

#### **WARNING**

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.

#### **ATTENTION**

- Do not drop the siderail or the cardiac cutout when lowering them. If not avoided, damages to the table and minor injuries could occur.



#### **Open position:**

1. Pull on the release handle found under the cushion.
2. Lower the cardiac cutout.

#### **Closed position:**

1. Raise the cardiac cutout to its original position.
2. The cardiac cutout will lock in place automatically when raised. Make sure it is properly locked in place before the patient takes place on the table.

## Positioning cushion (option)

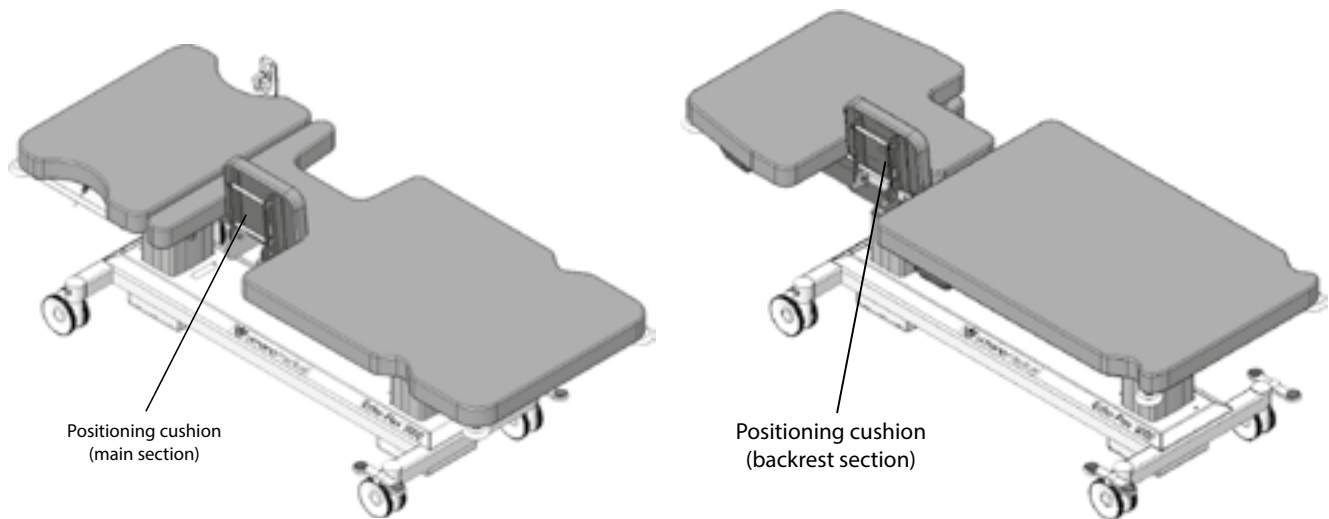
The Echo-Flex™ 5002 table can be equipped with a positioning cushion to support the patient when he is laying on his side. The cushion can be set at three different positions, offering multiple possibilities for patient positioning.

The positioning cushion can be placed either on the main section or the backrest section.



### WARNING

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.



### Placing the positioning cushion:

1. Pull on the release handle found under the cushion.
2. Raise the cushion to one of its three positions.
3. Let go of the release handle.
4. The cushion locks automatically in place once in the desired position and the release handle is released.

### Lowering the positioning cushion:

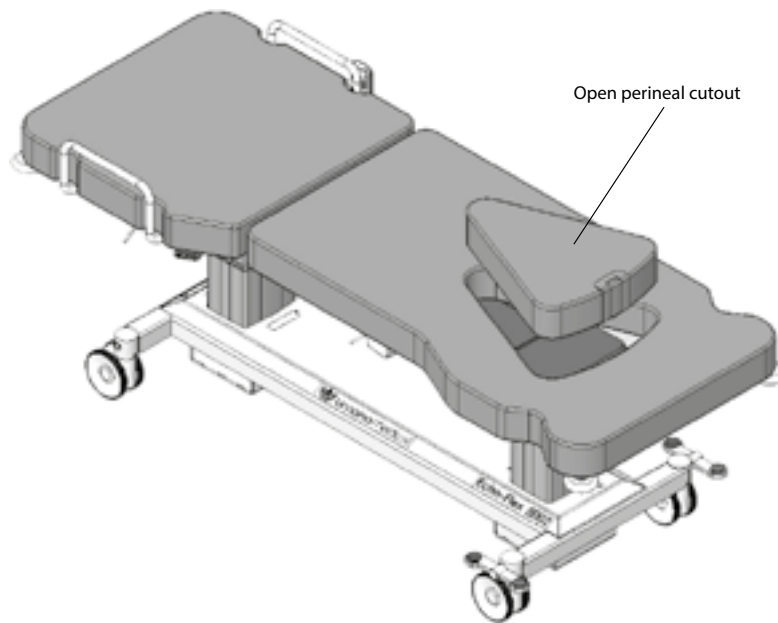
1. Pull on the release handle.
2. Place the cushion in the horizontal position.
3. The cushion locks into place automatically when the release handle is released.

Once the positioning cushion is in the desired position, make sure it is properly locked.

## Perineal cutout (option)

The Echo-Flex™ 5002 table can be equipped with a perineal cutout, which allows easier access to the patient in order to perform endovaginal examinations.

Opening the perineal cutout removes the need for the healthcare professional to raise the patient's pelvis in order to perform an endovaginal examination and provides more freedom of movement when manipulating an ultrasound probe.



## Patient handles

Designed for easy accessibility, the patient handles allow patients to reposition themselves safely and encourage precise positioning, which is useful for diagnostic accuracy.

## Swivel and removable arm support (option)

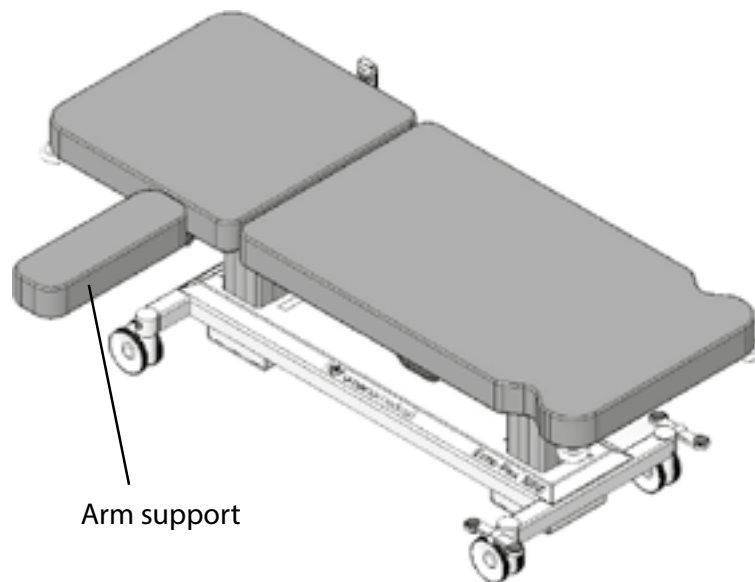
The Echo-Flex™ 5002 table can be equipped with a removable arm support, which allows to support the patient's arm during a medical procedure or examination. The arm support can also pivot, providing a range of different positions. The safe working load is 25 lb / 11 kg. The swivel and removable arm support can be placed on either side of the table.

### **WARNING**

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.

### **ATTENTION**

- Do not exceed the safe working load limit of 25 lb / 11 kg on the arm support. If not avoided, could cause permanent damages to the table.



### Removing the arm support

1. Turn the handle found underneath the cushion.
2. Slide the arm support out of the socket.

### Reinstalling the arm support:

1. Slide into the socket.
2. Turn the handle to lock it in place. Make sure the arm support is inserted all the way into the socket before locking in place.

## Paper dispenser (option)

The Echo-Flex™ 5002 table can be equipped with a paper dispenser at either end of the table. It can hold a roll of paper, making it readily available at all times.

## Moving handles (option)

The Echo-Flex™ 5002 table can be equipped with moving handles. The handles are designed to make it easier to move the table.

The moving handles can be either fixed, or foldable. The fixed moving handle can only be placed on the backrest section of table, while the foldable handles can be placed either at the backrest section or the main section of the table.



### **WARNING**

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries
- Always make sure to have sufficient free space around the table before moving it or its parts to avoid collisions with the environment or persons. Damages to the table could occur, as well as moderate to severe injuries to the patient.
- This table is not designed for patient transport. If not avoided, moderate to severe injuries could occur.



### **ATTENTION**

- Do not move the table while it is plugged into a wall outlet. If not avoided, damages to the table or the environment could occur.
- Do not use the IV pole to move the table. Damages to the table could occur.

### **Folding the handles**

To fold the handles, lift them up slightly and tilt them towards the middle (left handle to the right, right handle to the left).

To put the handles back, tilt them in the upright position and insert them back in their socket. Make sure the handles have been securely put back in place before using them again.

## Accessories

### Fixed IV pole 1" diameter - FA64522

The fixed IV pole FA64522 is equipped with 2 hanging hooks. Each hanging hook has a capacity of 20 lb / 9 kg for a total maximum safe working load of 40 lb / 18 kg.

#### **! WARNING**

- Before installing the IV pole, make sure there is sufficient clearance between the table and the ceiling. If not followed, could lead to electrical shock.
- Fully extended fixed IV pole length is 48", consider maximum table height of 37" if transporting table, or if lighting or ceiling is low. IV pole will move with table when elevation system activated. Ensure proper clearance.

#### **! ATTENTION**

- Do not use the IV pole to move the table. Damages to the table could occur.
- Do not use the IV pole as a boosting handle to ingress the table. If not avoided, damages to the table could occur.
- Do not exceed the safe working load limit of 20 lb / 9 kg per hook (or 40 lb / 18 kg total) on the IV pole. If not avoided, could cause permanent damages to the table.

#### **IMPORTANT**

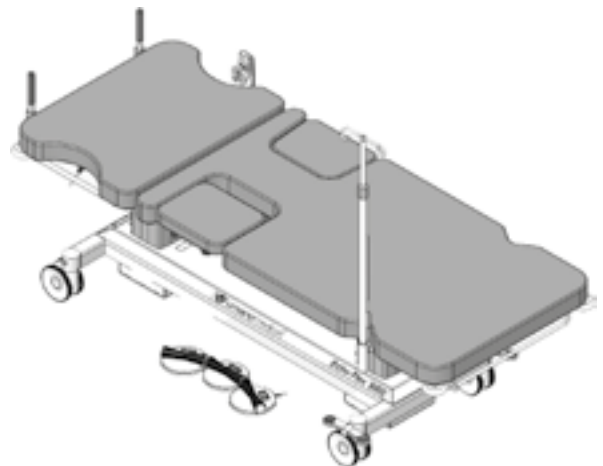
Install the IV pole on the opposite side of usual patient ingress, as to not hinder movements.

#### **Installation:**

1. Remove screw from bottom of IV pole.
2. Insert the fixed IV pole in one of 2 sockets, one on each side - illustrated.
3. Using a # 3 Phillips screwdriver, fix IV pole with screw.
4. Ensure IV pole is properly fixed.

#### **Operation:**

1. Ensure IV pole is properly fixed.
2. To adjust the height of the IV pole, hold the upper section and turn the clamping ring counterclockwise to loosen the upper section.
3. Adjust the upper section to required height and turn the clamping ring clockwise until upper section is locked.
4. Ensure upper section is properly locked in place





# PREVENTIVE MAINTENANCE

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A preventive maintenance is required annually for this equipment. This maintenance program is based on a normal use. Preventive maintenance frequency shall be increased if required. A minimum of one (1) annual verification of all items of the [Verification list for annual preventive maintenance](#) (page 32) is recommended.

## **WARNING**

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.

## **ATTENTION**

- To ensure the product's adequate functioning, perform the recommended maintenance.
- No modification of this equipment is allowed unless it was approved of by the manufacturer, performed by qualified personnel, and inspected and tested to ensure its safety.

## **IMPORTANT**

Protect the cushion fabric from rough and sharp objects to avoid damaging it.

---

Unplug the table and the battery before performing maintenance.

---

This equipment contains electronic parts that could contaminate to the environment. Dispose of them in the adequate manner by following local guidelines.

---

In order to uphold the warranty and ensure the product works properly, maintenance must be performed annually.

---

Do not modify the equipment without authorization from Umano Medical.

---

Clean the table before performing the maintenance to avoid contamination.

---

If a replacement is necessary, always use new parts provided by the manufacturer. If not, it could incur negative effects on the product and void the warranty.

---

## Verification list for annual preventive maintenance

Use a copy of this list for annual maintenance. Note if an adjustment or fix is required. Keep on file

Serial number and location : \_\_\_\_\_  
Date of preventive maintenance : \_\_\_\_\_  
Preventive maintenance performed by : \_\_\_\_\_

- Weldings are in good condition
- Screws and bolts are well fixed
- Equipment is clean and free of dust or other debris
- Casters roll and pivot
- Casters are free of dust and other debris
- Central braking system is functional and every caster blocks when the braking pedal is engaged
- Cushion is in good condition
- Every hand control function works properly
- Every foot control function works properly (option)
- The battery powers the table when the power cable is unplugged (option)
- The battery charges when the power cable is connected to the wall outlet (option)
- Power cable is undamaged
- Cables are neither damaged, crushed or in a state of deterioration
- All visible electrical connections are plugged properly
- All visible electrical connections are in good condition
- No visible signs of rust or corrosion
- All attachment points of electrical components are in good condition
- All moving parts and locking mechanisms work properly

Notes, adjustments, fixes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# MAINTENANCE PROCEDURES

---

## **ATTENTION**

- Only authorized personnel can perform preventive maintenance and servicing on this equipment. If that is not respected, the situation could result in injuries or permanent damages to the equipment.

## **IMPORTANT**

When needed, maintenance personnel must secure the equipment and its components to ensure safety.

---

If a replacement is necessary, always use new parts provided by the manufacturer. If not, it could incur negative effects on the product and void the warranty.

---

## Colors Table

A part number followed by « XXX » requires that we replace the letters by the appropriate color code. Refer to the colors table.

Color Description	Color code
303 Denim Blue	018
609 Taupe	019
91 Dove	020
909 Raven	021

## Replacement of a caster

### Required tools:

- 3 mm hexagonal key
- 4 mm hexagonal socket
- Phillips #3 screwdriver
- Flat head screwdriver
- Rubber hammer
- Torque wrench

### Parts needed:

- Caster (R36-1788)
- Directional caster (R36-1787)
- Loctite 243

### Procedure:

1. Elevate the table a minimum of 6 inches to allow access to the casters and central braking system located under the base of the table. Take all necessary precautions to avoid injuries or damaging the table:
  - Make sure the table is supported by the base only.
  - Do not tilt the table on its side to access the base.
2. Place the central braking mechanism on the directional position (green pedal engaged).
3. Using the 3mm hexagonal key, unscrew the set screw (H) holding the pivot of the transmission bar. Perform this step on the side of the caster to replace.
4. Place the caster on neutral.
5. On this step, 2 configurations are possible:
  - When the caster to replace doesn't have a pedal, remove the screw (A) using the Phillips #3 screwdriver.
  - When the caster to replace has a pedal, untighten the screw (I) using the 4mm hexagonal socket and remove the pedal. The use of force may be necessary. Remove the bolt using the 4mm hexagonal socket.
  - Keep the washers (B, C), screws (A) and pedals.
6. Using a rod-shaped tool (ex: flat head screwdriver) and the rubber hammer (if needed), push the hexagonal rod (G) approximately 3", or until the rod is completely out of the caster.
7. Using the 4mm hexagonal socket, remove the 2 bolts holding the caster in place.
8. Remove the caster. Take note of the caster's orientation by looking at the sticker (red or green) on the caster's rod. When installed, the sticker on the caster should be on the left-hand side, from the perspective of someone sitting on the table. It is important to replace the faulty caster with the same type of caster to ensure the mechanism works properly.
9. Install the new caster using the bolts (D) from step 7. Apply the loctite 243. Do not tighten the bolts completely.



## Replacement of the control box

### Required tools:

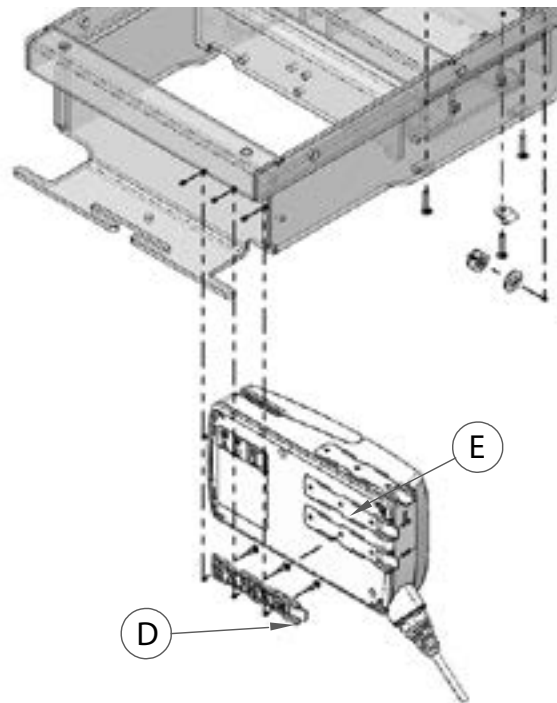
- Small flat head screwdriver
- Permanent marker

### Parts needed:

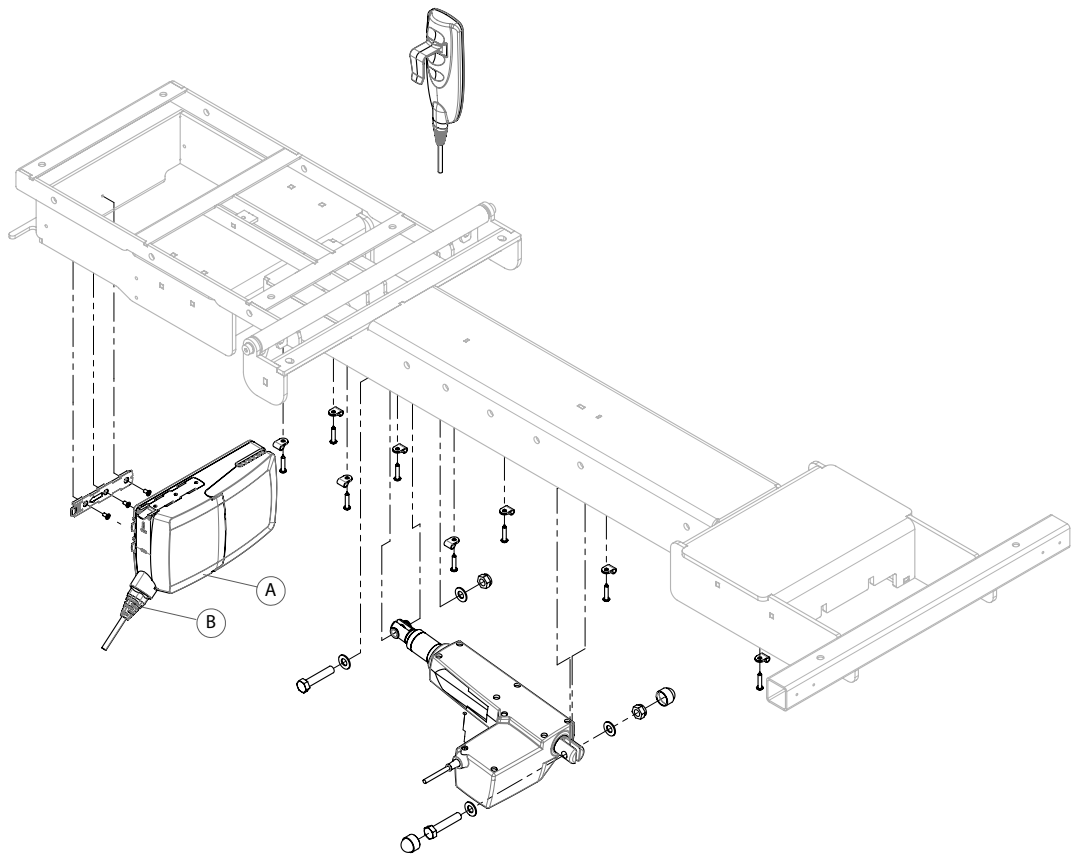
- Control box (QDF903-0097)

### Procedure:

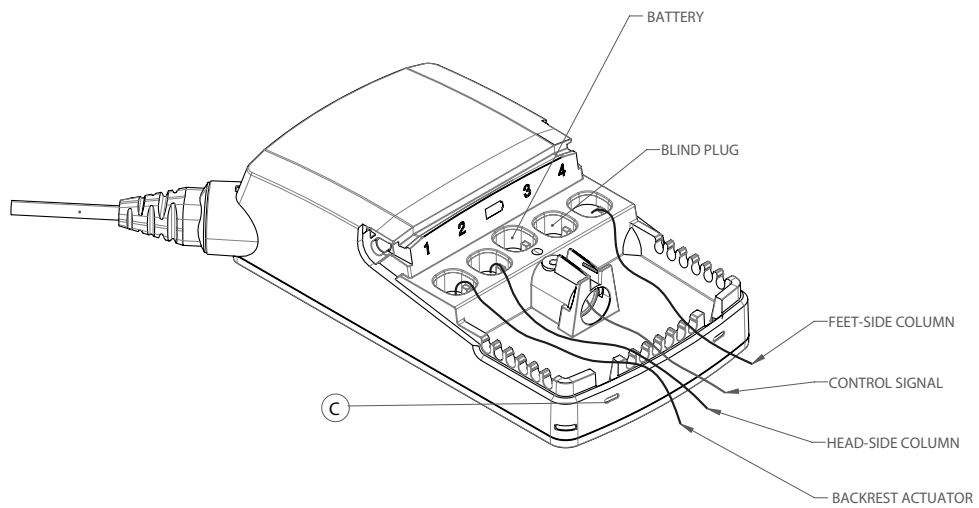
1. Raise the table to its maximum height and tilt the backrest to an angle of at least 45 degrees. This will facilitate access to the control box.
2. Unplug the table from the wall socket.
3. Open the control box by inserting the head of the flat head screwdriver in the orifices (C).
4. Unplug all cables found inside the control box. Identify the cables using the permanent marker (Illustration R-04).
5. Remove the power cable (B) of the control box using the small flat head screwdriver. Insert the head of the screwdriver in the orifice (red).
6. Using the small flathead scwdriver, press on the plastic tab (D) (Illustration R-02). Slide the control box out of its socket.
7. Install the new control box on the support (Illustration R-02). Use the middle slot (E) on the control box.
8. Plug the cables in the new control box.
9. Put the lid back on the control box.
10. Plug the table back into the wall socket.
11. Before putting back in service, the lifting columns will have to be reset. To do so, lower the table until it is at its lowest height. An audible signal will be heard in the process. If it's not possible, reset the table by holding down the 2 buttons on the 2nd row of the hand control for at least 5 seconds. Then, lower the table to its lowest height until the audible signal is no longer heard.
12. Test the table's different electrical functions.
13. Put back in service.



**Illustration R-02:** Installing the control box



**Illustration R-03:** Replacement of the control box



**Illustration R-04:** Connections in the control box

## Replacement of the battery

### Required tools:

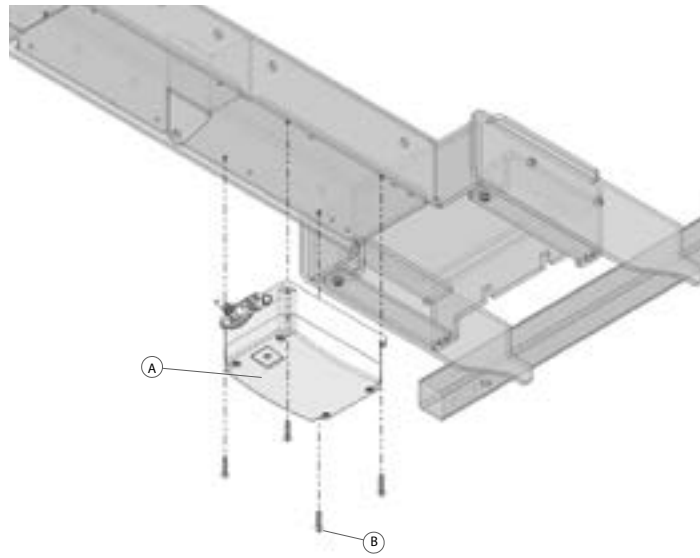
- Flat head screwdriver
- Electric drill with #2 squarehead bit

### Parts needed:

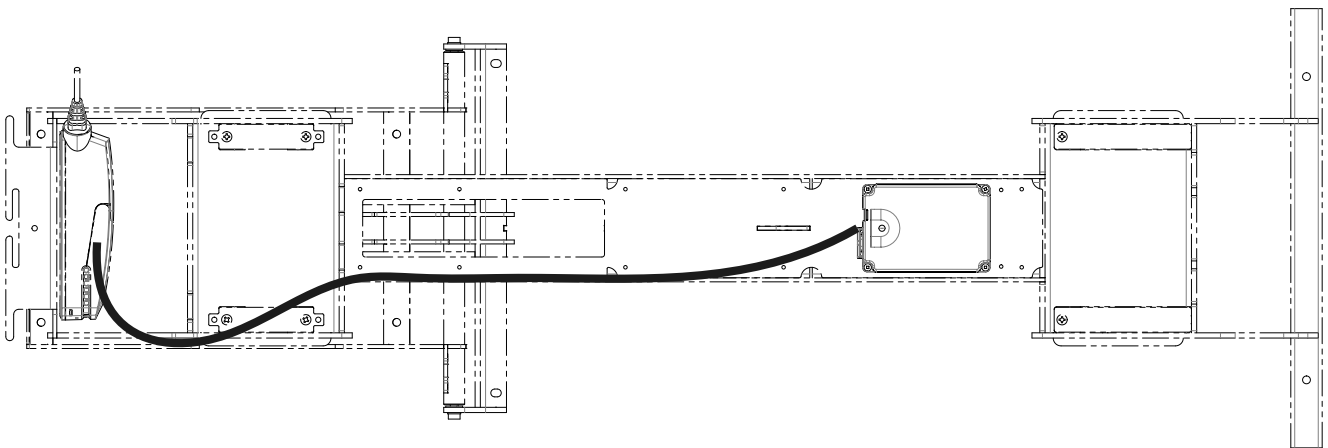
- Battery (QDF903-0098)
- Cable (I-2171)
- 4 #10 screws (#7910)
- 2 tie-wraps (#7872)

### Procedure:

1. Raise the table to its maximum height. Raise the backrest section at a minimum angle of 45 degrees.
2. Unplug the table from the wall socket.
3. Lock the 4 casters.
4. When adding a battery, skip to step 5. When replacing a battery, unplug the battery. Use the electric drill to remove the 4 screws (B) (Illustration R-05) holding the battery. Remove the battery.
5. Using the electric drill and the 4 provided screws (B), install the battery (A) in the designated position (Illustration R-04). Make sure the battery is installed in the correct orientation.
6. When replacing a battery, skip to step 9. When adding a battery, open the control box by inserting the head of the flat head screwdriver in the orifices (C). (Illustration R-04).
7. Plug the battery cable in the control box (Illustration R-04).
8. Close the control box.
9. Plug the battery cable in the battery.
10. Attach the cable to the other cables using the provided tie-wraps. Follow Illustration R-06 in order to properly manage the battery cable.
11. Test the table's different electrical functions without plugging it to the wall socket.
12. Plug the table back into the wall socket.
13. Test the table's different electrical functions again.
14. Put back in service.



**Illustration R-05:** Replacement of the battery



**Illustration R-06:** Battery cable management

## Replacement of the backrest section actuator

### Required tools:

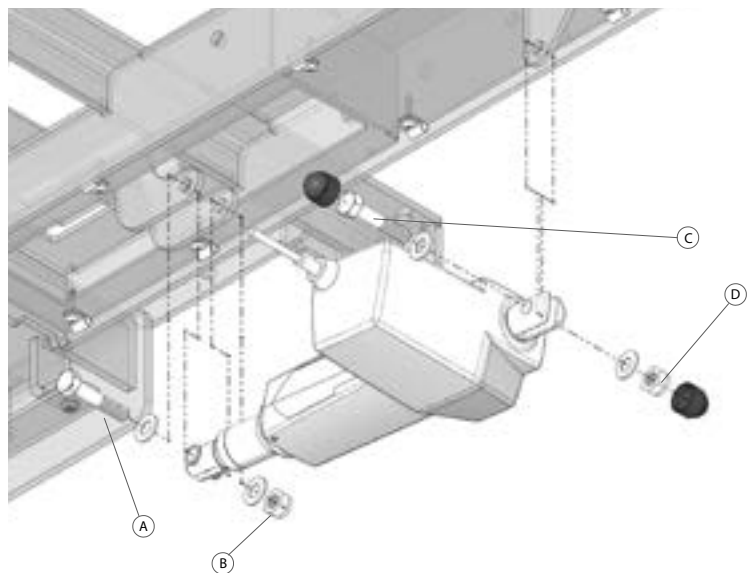
- 2 17mm, or 11/16" wrenches
- Grease
- Small flat head screwdriver

### Parts needed:

- LA31 actuator (#2665)

### Procedure:

1. Engage the brakes.
2. Raise the table to its maximum height.
3. Tilt the backrest slightly upward in order to have access to the bolts.
4. Unplug the table from the wall socket.
5. Unplug the actuator.
6. Using the 17mm wrenches, remove the bolt (A) and nut (B) holding the back fixture of the actuator. Support the backrest when performing this step to avoid any damages to the table. Keep all parts for reuse.
7. Using the 17mm wrenches, remove bolt (C) and nut (D) holding the piston rod eye of the actuator. Keep all parts for reuse.
8. Install the new actuator using the nuts, bolts and rings from steps 6 and 7. Grease the bolts before installation. Stop tightening before the bolts reach the actuator, to make sure it is not damaged.
9. Reconnect the actuator. Make sure the cable isn't in a place that could cause it to get stuck between moving parts of the table.
10. Plug the table into the wall socket.
11. Test the table's movements.
12. Put the table back in service.



**Illustration R-07:** Replacement of the backrest actuator

## Replacement of the hand control

### Required tools:

- Flat head screwdriver

### Parts needed:

- Hand control (QDF903-0255)

### Procedure:

1. Engage the brakes.
2. Raise the table to its maximum height and tilt the backrest to an angle of 45 degrees.
3. Unplug the table from the wall socket.
4. Open the control box by inserting the head of the flat head screwdriver in the orifices (C) (Illustration R-04).
5. Unplug the battery from the control box, for tables equipped with the battery option (Illustration R-04).
6. Unplug the hand control.
7. Plug the new hand control into the control box or the MJB.
8. Plug in the battery, for tables equipped with the battery option.
9. Put the lid back on the control box.
10. Plug the table back in the wall socket.
11. Test the hand control. If the control box beeps, lower the table until it is at its lowest height. An audible signal will be heard in the process. If it does not work, reset the table by holding down the 2 buttons on the 2nd row of the hand control for at least 5 seconds. Then, lower the table to its lowest height until the audible signal is no longer heard.
12. Put the table back in service.

## Replacement of the lifting column

### Required tools:

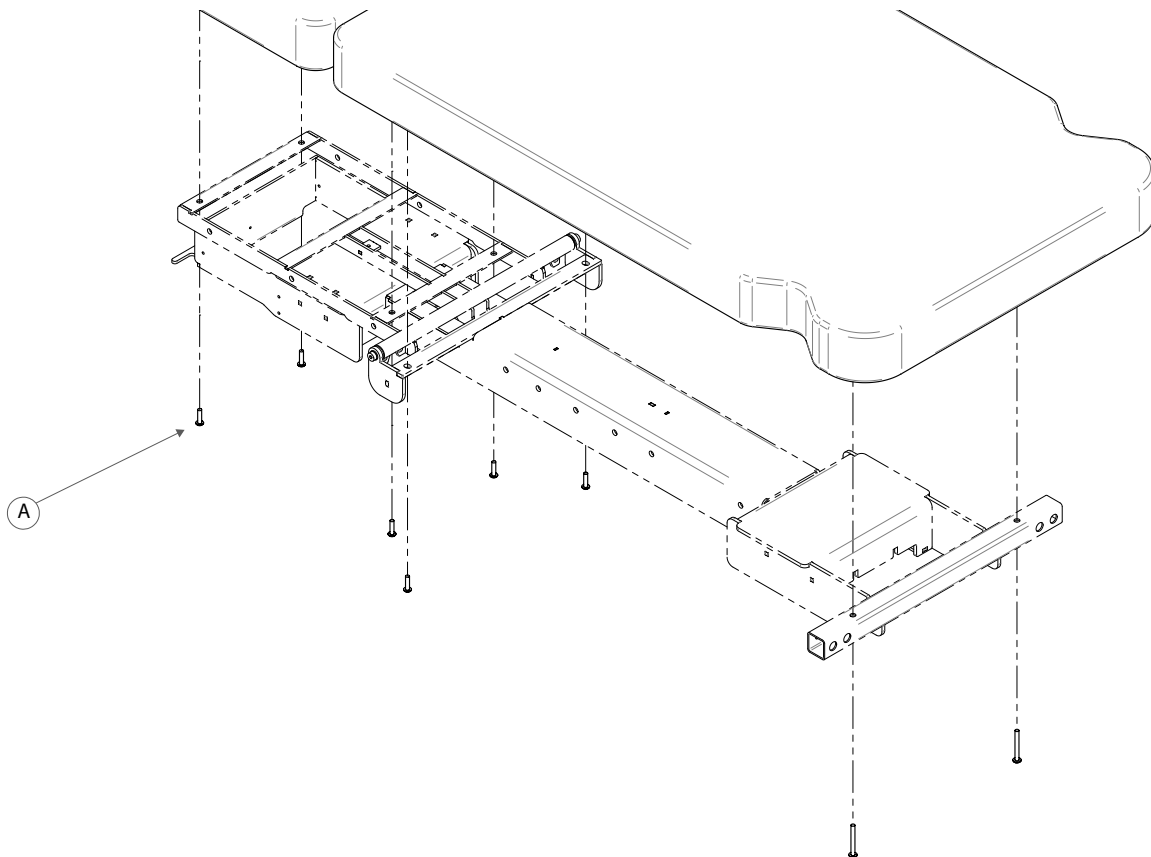
- Impact drill
- Impact drill adaptor for Torx T40 screw
- Phillips #3 screwdriver
- Torque wrench

### Parts needed:

- Column (#2197)
- Blue Loctite 243
- Grease

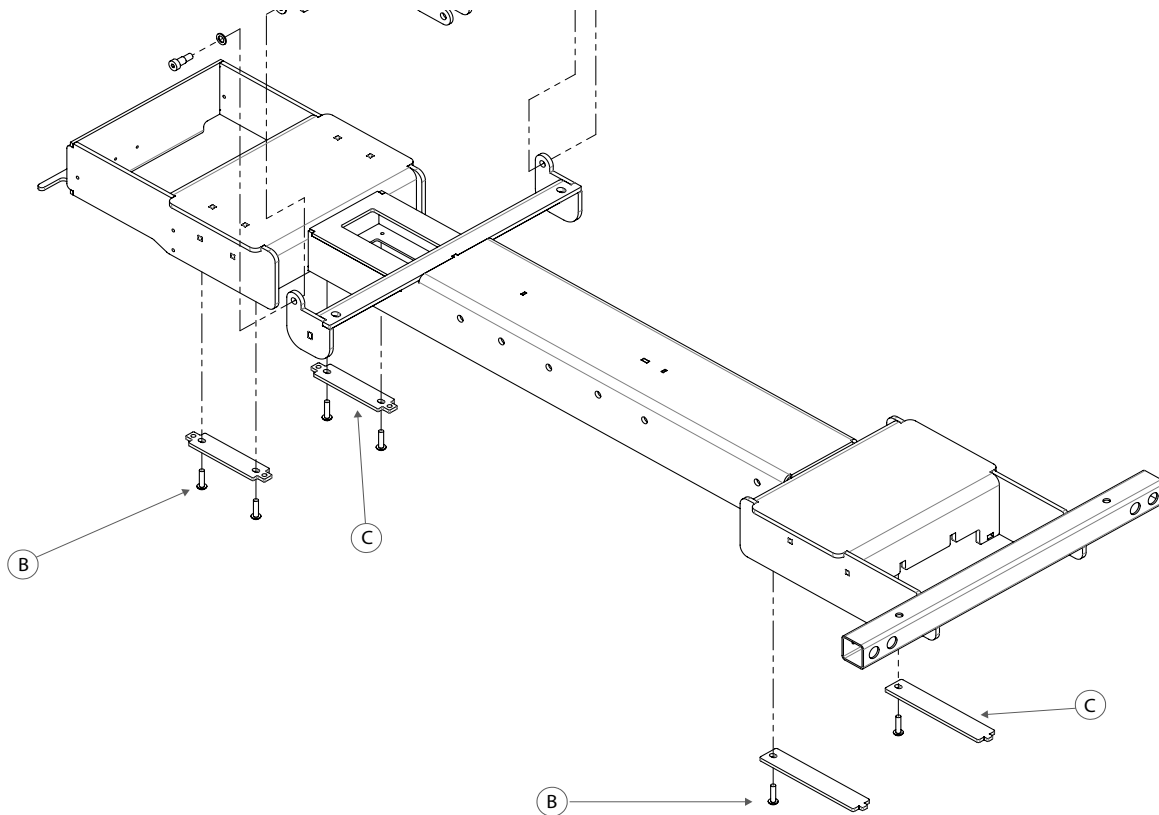
### Procedure:

1. Engage the brakes.
2. Lift the table to its maximum height. Place the backrest in horizontal position.
3. Using the Phillips #3 screwdriver, remove the screws (A) holding the cushions in place. Remove the cushions. Keep the screws and cushions for reuse. (Illustration R-08)



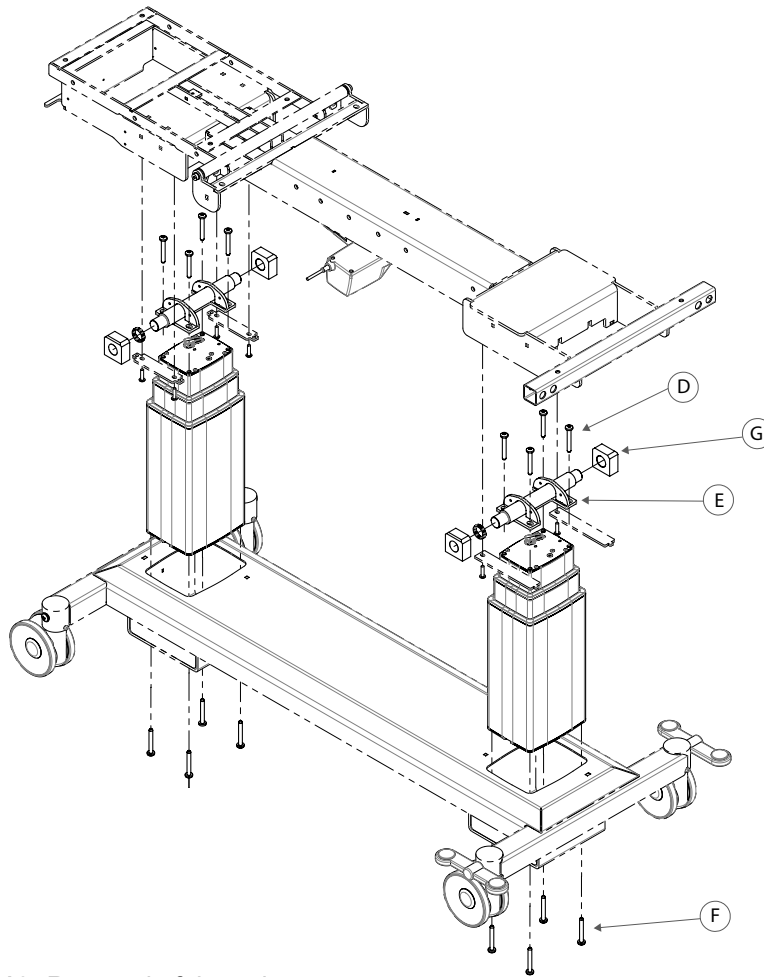
**Illustration R-08:** Removal of the cushions

4. Using the Phillips #3 screwdriver, remove the 6 screws (B) holding the locking plates (C). Remove the plates. Keep the screws and the locking plates for reuse. (Illustration R-09)



**Illustration R-09:** Removal of the pivot block supports

5. Lower the table to its minimum height. Unplug the table from the wall socket.
6. This step must be performed by two or more people. Lift the head extremity of the upper structure. Disconnect the column's cable.
7. Repeat previous step for the foot extremity of the upper structure.
8. Remove the upper structure and set it aside. Cutting the tie-wraps and moving the cables could help with performing the next steps, if desired.
9. Using the impact drill and the Torx adaptor, remove the 4 bolts (D) holding the pivot block support (E) of the faulty column. Keep all parts for reuse. (Illustration R-010)



**Illustration R-10:** Removal of the column

10. This step must be performed by two or more people. Lift the table base 2 feet above ground level. Rest it on a support structure.

Note: If the replacement of both columns is required, make sure to complete steps 11 through 16 on one column before moving on to the second column. Do not perform steps 11 through on both columns simultaneously.

11. Using the impact drill and the Torx adaptor, remove the 4 bolts (F) located under the faulty column. Keep the bolts for reuse. (Illustration R-10)

12. Remove the column in need of replacement.

13. Insert the new lifting column in place. Make sure the cable connector of the new lifting column is in the same orientation as the one from the other column. You can use soap and water to help with the insertion of the column through the rubber joint.

14. Using the torque wrench, install the 4 bolts (F) under the column with a torque of 132-150 lb-in. The screw must be screwed perpendicular to the surface. To facilitate installation, it is recommended to apply a little bit of grease on the screws.

15. Place the table back on the ground.

16. Place the pivot block support (E) on the new column. Screw the 4 bolts (D) until they reach the support. Before tightening the screws, make sure the support is aligned with the other pivot block support. Use a T-shaped bracket if needed. Measuring the distance between the pivots can be a good way to ensure the pivot block supports are aligned correctly. Using the torque wrench, tighten the screws with a torque of 132-150 lb-in. The screws must be screwed perpendicular to the surface. To facilitate installation, it is recommended to apply a little bit of grease on the screws.
17. Put the upper structure back in place. Bevels are present in the blocks (G) to help guide the parts.
18. This step must be performed by two or more people. Lift the rear section (feet of the patient) of the upper structure. Connect the column's cable.
19. This step must be performed by two or more people. Lift the front section (head of the patient) of the upper structure. Connect the column's cable.
20. Using the Phillips #3 screwdriver and the parts saved on step 5, install the locking plates (D) and the screws (B). Apply loctite on the screws. Make sure not to pinch the wires while performing this step.
21. Reset the columns. To do so, lower the table to its lowest position until it stops by itself. One of two situations can occur:
  - The control box emits an audible signal, but the height adjustment functions of the table are still operational. Continue lowering the table until it reaches its lowest position and stops by itself. Once in the lower position, if the control box is still emitting an audible signal, perform a reset by pressing the two buttons used for height adjustments on the hand control simultaneously until the audible signal stops.
  - The control box emits an audible signal and the height adjustment functions of the table are not functioning properly. Perform a reset by pressing the two buttons used for height adjustments on the hand control simultaneously until the audible signal stops. Then, lower the table to its lowest position.
22. Perform an operations test. Test all movement functions on the hand control and foot control (if applicable).
23. Reinstall the cushions removed on step 3.
24. Put back in service.



# CLEANING

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## **WARNING**

- Keep hands and other body parts away from the locking mechanisms and moving parts when using them. If not avoided, could result in moderate to severe injuries.

## **ATTENTION**

- Do not steam clean. Damages to the fabrics could lead to a higher risk of contamination.

### **Important**

Clean the table after every patient to avoid contamination. Always follow internal cleaning and infection control procedures.

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Clean the table immediately after any spill of bodily fluids or other.

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Inspect the cushion to ensure its integrity. A damaged cushion could absorb contaminated liquids. In the case of damage, contact Umano Medical to immediately replace the damaged cushion.

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It is the user's responsibility to wear adequate safety equipment to avoid contamination from bodily fluids or other contaminants.

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Damage to the cushion caused by the usage of a product other than those mentioned in this section or at a different concentration isn't covered by the warranty.

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Do not use cleaning products other than those mentioned in this section or at a different concentration.

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Do not use abrasive cleaning products.

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The user is responsible of making sure these instructions are aligned with the establishments internal procedures regarding infection control.

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## Cleaning

Hand wash all surfaces with a soft cloth moistened with warm soapy water. Avoid build up and over saturation of water or any cleaning solution. Ensure that cleaning solution does not stay on surface longer than manufacturer's instructions. Always wipe clean and dry all surfaces.

## Disinfection

Table and accessories should be disinfected between patient uses. This table and compatible accessories are designed to be disinfected with standard commercial solutions. It is recommended to use “ready-to-use” cleaning products. Always rinse with clean water and a dry rag. As guidance, here are active concentrations of tested ingredients:

- ammonium quaternary solutions 1000ppm
- sodium hypochlorite or chlorine solutions 6000ppm in standard use / 10 000ppm in limited use
- glycol ethers solutions 10 %
- ethyl alcohol 70 %
- hydrogen peroxide 5 %

### Important

Always test a cleaning product on a non-visible part of the cushion to verify the products effect on the surface.

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Always follow the product manufacturer's indications.

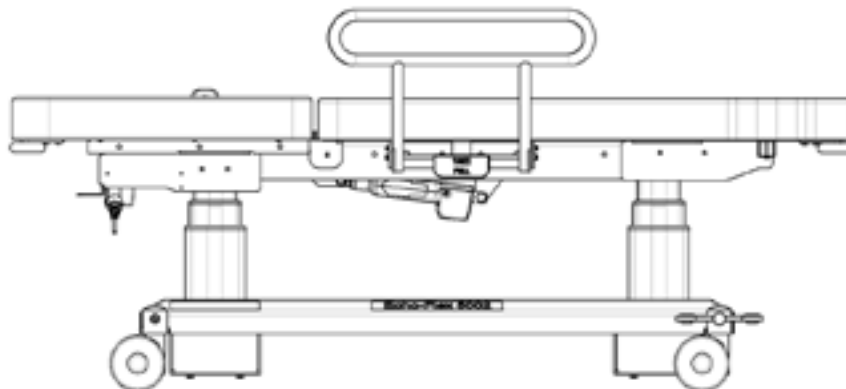
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It is important to clean the surface immediately after a spill to avoid permanent damage to the fabric.

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## Cleaning and disinfection procedure

1. Tilt the back section back completely.
2. Clean every surface of the cushion, including the surfaces in the openings between the backrest and the main sections. Make sure to allow the surfaces to dry before tilting the backrest section back up.



3. Clean every component susceptible of being contaminated or in frequent contact with patients, which includes accessories.

## Cleaning and disinfection procedure - Perineal cutout (option)

1. Remove the perineal cushion.
2. Clean every surface of the perineal cushion.
3. Clean every surface of the perineal cutout.
4. Use a brush or other suitable tool to thoroughly clean the interstice between the main cushion and the transparent plastic bottom plate.

### **IMPORTANT**

Be sure to dry everything thoroughly, especially in the interstice between the main cushion and the transparent plastic bottom plate, before putting the perineal cushion back in its place.

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# TROUBLESHOOTING

Problem	Verification to perform	Cause	Correction
No movement related function works.	No light is activated on the hand control when any button is pressed.	The table is not powered.	<p>Plug the equipment into the wall socket.</p> <p>Make sure the cable is not damaged and is connected to the control box properly.</p> <p>Make sure the buildings wall socket is functional.</p> <p>If the problem remains, proceed to the next cause.</p>
		The hand control is disconnected or defective.	Try the foot control functions (option). If it does not work as intended, contact Umano Medical.
	The service light is blinking rapidly and an audible signal is heard whenever a button is pressed.	The control box is faulty.	Press and hold the two buttons of the second row of the hand control for at least 5 seconds. Then, place the table to its lowest position and try the movements again. If the problem remains, contact Umano Medical.
One of the movements doesn't work properly.	The service light is lit continuously while the button associated with the function is pressed. No audio signal.	Maximum safe working load exceeded on one of the actuators.	Reduce load and make sure nothing can get in the way of the table's movements. If the problem remains, contact Umano Medical.
	The table height can no longer be raised, but can be lowered. While lowering the height, an audible signal is heard.	The control box is faulty.	Lower the table to its minimum height Try the movements again. If the problem remains, contact Umano Medical.

Problem	Verification to perform	Cause	Correction
<p>An audible signal is heard continuously while the table is moving (models with battery only).</p>	<p>The bottom box of the battery light is blinking and the electrical connexion indicator is unlit.</p>	<p>Low battery.</p>	<p>Plug the equipment into the wall socket. The indicators should blink.</p> <p>Make sure the power cable is not damaged and is properly plugged into the control box.</p> <p>Make sure the building's wall socket is functional.</p>
<p>The table's functions do not work on batteries, but work when plugged into the wall socket. (models with battery only).</p>	<p>No light is lit on the hand control when any button is pressed.</p>	<p>Battery empty, disconnected or defective.</p>	<p>Plug the equipment into the wall socket. The indicators should blink.</p> <p>If the issue is resolved, leave the equipment plugged in for at least 8 hours to recharge the battery (ATTENTION: Never let the battery drain completely, it could reduce its performance over time).</p> <p>If the battery indicators remain unlit, contact Umano Medical.</p>

# DISPOSAL AND RECYCLING

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Before disposing of equipment, clean thoroughly to avoid contamination.

Equipment can be thrown away by separating the components for recycling and/or disposal.

Always follow local guidelines to ensure the adequate disposal of the equipments different components.

<b>Component</b>	<b>Recycling group</b>
Actuators, column, control box, switches, cables and other electrical components	Electronic waste
Metal structure	Metal waste
Battery	Battery waste
Plastic parts	Plastic waste
Cushion	Wood, textiles and foam waste



# WARRANTY

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The **Umano Medical** tables are designed for a 10-year service life under normal use, conditions, and with periodic maintenance as recommended in this manual.

## Shipment receipt

The purchaser should examine the shipment upon receipt. **Umano Medical** must be notified by the purchaser within 30 days of invoice of any short shipment, or any order-mistake.

Apparent shipment damage must be noted on delivery receipt and notified immediately to **Umano Medical**. A claim in the amount of replacement cost will be initiated with the carrier for the damages incurred. If any damage is found, the purchaser must notify **Umano Medical** within 15 days of shipment receipt.

## Product return

Merchandise cannot be returned without approval from **Umano Medical**. An authorization number will be provided which must be printed on the packaging of the returned merchandise. Modified or discontinued products are not subject to return.

## Limited warranty

**Umano Medical** warrants to the original purchaser that the products shall be free of structural defects in material and workmanship for a determined period after date of delivery; refer to the purchase documentation for information about the available warranty time periods. **Umano Medical's** obligation under this warranty is expressly limited to supplying replacement parts and/or service for, or replacing, at its option, any product that is, in the sole discretion of **Umano Medical**, found to be defective. In addition, **Umano Medical** warrants for life to the original purchaser that the welds on its products will be free from structural defects.

Any repair using non-authorized or non-original parts and any product alteration or modification will void this warranty.

## Parts and service

Original service parts are available for the lifetime of the product. Contact **Umano Medical** at:

**Umano Medical Inc.**

230 boulevard Nilus-Leclerc, L'Islet QC G0R 2C0 CANADA

T: (418) 247-3986

T: (844) 409-4030

[information@umanomedical.com](mailto:information@umanomedical.com)



**Umano**  
medical



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