



TECHNIMOUNT
MEDICAL®

CONTINUUMED – C1™ – CONFIGURATION 1

USER MANUAL



MAKING HEALTHCARE PRACTICES
MORE EFFICIENT

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1. General Mentions and Considerations

This user manual includes detailed product information, standards and guidelines to assist the administrator/manager/supervisor and biomedical technician (or equivalent) with the unpacking, assembling (when indicated), maintenance, training and skills assessment of the clinical personnel, as well as specific user-related information to safely and effectively operate the ContinuuMed – C1 – Configuration 1 (hereinafter called ContinuuMed – C1).

Please read the user manual thoroughly to fully assess, comprehend, then relay its content to clinical personnel during training, to warn them of any potential danger of its abuse, how to safely use the product and provide a safe environment for patients as well as themselves. Your established internal protocols should be updated to include the Technimount product(s) standards, guidelines, requirements and safety recommendations included within this documentation. The user manual should remain available to users when needed and relayed if the product is subsequently sold.

NOTE : Technimount continually seeks advancements in product design and quality. While the user manual contains the most updated product information available at the time of printing, it may contain minor differences from the current version, including image references. For more information, please contact Technical Support at techsupport@technimount.com.

NOTE : Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability.

1.1. Intended Use

The ContinuuMed – C1 is a mounting solution designed to aid trained clinical personnel secure and transport multiple medical devices and accessories in hospitals and clinics.

1.2. User Competency

To safely operate the ContinuuMed – C1, personnel must have the required skill level to comply with their function and level of interaction with the mounting solution. Training should be given to clinical personnel prior to them using the ContinuuMed – C1. Refer to the « Skills Assessment of the Clinical Staff » section on page 58 to evaluate their competency.



Indicates who the content is intended for and the level of competency required. The definitions of the four (4) levels of competency are specified below.

- **Competent (trained clinical personnel):** Has received the required training, is sufficiently knowledgeable to safely operate the product and have passed the skills assessment (refer to the « Skills Assessment of the Clinical Staff » section on page 58).

NOTE : Any member of the clinical personnel who has not received the required training and lacks the knowledge needed to safely operate the mounting solution must not use the product.

- **Proficient (administrator/manager/supervisor):** Has in-depth knowledge and product comprehension, and is familiar with standards and guidelines. Skilled to train the clinical personnel on how to safely use the product.

- **Advanced (biomedical technician or equivalent):** Has extensive mechanical experience. Skilled to perform the unpacking, assembly, safety checks and condition-based maintenance procedures as detailed herein, or the basic troubleshooting, upgrade and/or replacement procedures if applicable.
- **Expert (qualified and authorized personnel):** Is qualified and duly authorized by the hospital's management and/or technical services to carry out the installation of the ContinuuMed – C1 or ContinuuMed – C1 in accordance with the current established internal protocols, the applicable requirements of the local Construction Code, the recognized codes and standards (including CSA and BNQ), as well as the Occupational Health and Safety Act.

1.3. Warranties

1.3.1. Warranty Policy

This statement constitutes Technimount's entire warranty policy with regards to Technimount products. Technimount makes no other warranty or representation, neither expressed nor implied, except as stated herein. There is no warranty of merchantability or warranty of fitness for any particular purpose. Under no circumstances will Technimount be held liable hereunder for incidental or consequential damages, arising from or in any manner, related to sales or use of any such product.

Technimount Medical Inc. guarantees to the original "Purchaser" of the "Product" with which this "Limited warranty" is included, that the product will be free from "Defects" in workmanship and materials under normal use for a "Warranty period" of one (1) year from the product purchase date by the purchaser. During the warranty period, the product will be repaired or replaced according to the "Limited warranty" without charge to the purchaser for parts or labor. The parts and product may be repaired or replaced with new or refurbished parts or products. Herein this Limited Warranty, "Refurbished" means parts and products which have been returned to the factory, specifically. If the product is repaired or replaced within the warranty period, the greater of the remaining warranty period will apply, or three (3) months from the date of repair or replacement. If the product is repaired or replaced after the warranty period has expired, the warranty period for the repair or replacement will expire three (3) months after the repair or replacement date.

1.3.2. Limited Warranty

The limited warranty does not apply to normal wear that could result from normal use. It does not apply when the product or any of its components have been disassembled or repaired by someone not authorized by "Technimount". It does not cover repair or the replacement of any product or part thereof damaged by neglect, misuse, moisture, liquids, exposure to heat, accidents, abuse, and non-compliance with the instructions for installation and use provided with the product. It does not cover physical damage to the surface of the product. The decision to repair, replace or refuse the coverage is final and at the sole discretion of Technimount, without any compensation or obligation from Technimount. The product, defined as a "mounting solution", is specifically designed to secure and transport multiple medical devices and accessories in hospitals and clinics, and should only be used to fulfill this requirement. Any other use will void the warranty and Technimount shall not be held liable on any claim if the product has been modified or adapted for use.

1.3.3. International Warranty Clause

This warranty abides by the Canadian domestic policy. Warranty outside Canada may vary by country. Please contact Customer Service at customerservice@technimount.com for more information.

1.3.4. User Liability

The purchaser and administrator are responsible to validate regulations and standards for safety in their region, to comply with applicable safety regulations. Technimount is not responsible to inform the purchaser or the administrator of any applicable legislation for safety in their area.

The administrator is responsible for providing proper training to any personnel who will install, operate and perform maintenance on Technimount products.

1.4. Claims

1.4.1. Damaged or Defective Merchandise

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of the reception date. **Do not accept** damaged merchandise unless such damage is noted on the delivery receipt at the time of reception. Upon prompt notification, Technimount will file a freight claim with the appropriate carrier for damages incurred. Claims are limited in amount to the actual replacement cost. If the claim has not been received by Technimount within the fifteen (15) day period following the date of delivery, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for the full payment of the original invoice.

Claims for any short or broken merchandise must be made within thirty (30) days of invoicing. For details, refer to the « Claim Process » section on page 10 or contact Customer Service at customerservice@technimount.com.

1.4.2. Return Policy

Technimount products may be returned up to sixty (60) days from the reception date, if:

- The received product does not match what was originally ordered.
- The product does not meet the Technimount technical sheet specifications.
- The product is not compatible with the system on which it was intended to be installed on.

To return a Technimount product,

- A Return of Merchandise Authorized (RMA) must be requested and approved by Technimount prior to returning the product.
- Products must be returned undamaged and in its original packaging, appropriately identified with the approved RMA number. Returns will not be approved on a modified or damaged item.
- Charges may apply if the package received is damaged or items are missing.
- Purchaser is responsible for a restocking fee (refer to « Table 1: Restocking fees » on page 10).

Table 1: Restocking fees

RESTOCKING FEES	
Prior to thirty (30) days	10%
Prior to forty-five (45) days	25%
Prior to sixty (60) days	30%

For any manufacturing defect, refer to the conditions within the warranty policy or contact Customer Service at customerservice@technimount.com for additional information.

1.4.3. Return of Material Authorization (RMA)

The Technimount Customer Service department is responsible for all merchandise returns and will provide a Return of Merchandise Authorization (RMA) number, upon approval. The RMA must be printed and placed on the returned merchandise. Technimount reserves the right to charge shipping and restocking fees (refer to « Table 1: Restocking fees ») for the returned items. Special, modified, or discontinued items are not subject to returns.

1.4.4. Claim Process

Upon reception of the returned merchandise, a thorough inspection will be performed. If the merchandise is compliant with the return policy or it is found that the product is defective, Technimount will take corrective actions and close the claim. If, however, it is found that the product is not defective, but rather misused or abused, the product will not be covered by the warranty. Details of our findings and conclusions will be provided shortly thereafter. To submit a claim, contact Customer Service at customerservice@technimount.com to obtain a Return of Material Authorization (RMA) form and return instructions.

2. General Safety Guidelines



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may endanger the patients or the clinical personnel, and/or damage the product. This includes the special care necessary for the safe and effective use of the Technimount product to avoid damage that may occur from use or misuse.

The terms "Warning" and "Caution" herein carry special meaning and should be carefully reviewed before reading the « Safety Measures » section on page 18.

WARNING – Indicates a hazardous situation that, if not avoided, could result in death or serious injury, and/or damage the product.

CAUTION – Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury, and/or damage the product.

2.1. Symbols and Definitions



WARNING – Hand Crush/Pinch Point

Indicates an area where mechanical components could move toward each other and might result in a potential crush/pinch hazard.



WARNING – Risk of Injury

Indicates when a misuse of the Technimount product could result in injuries to the patients or clinical personnel, and/or damage to the product.



CAUTION – Safe Practice

Alerts the reader to pay special attention to the recommendations and methods outlining how to safely operate the product to minimize risks to the patients, clinical personnel, and/or to the product.



CAUTION – Safe Handling and Operation

Alerts the reader to pay special attention to the recommendations for safe use of the product, and of potentially hazardous situations that could result in minor injuries to the patients or clinical personnel. This includes the special care necessary for the safe and effective use of the product to avoid damage that may occur from use or misuse.



CAUTION – Safe Working Load (SWL)/Load Balance

Indicates the maximum charge for a safe use of the product.



CAUTION – Follow Instructions for Use

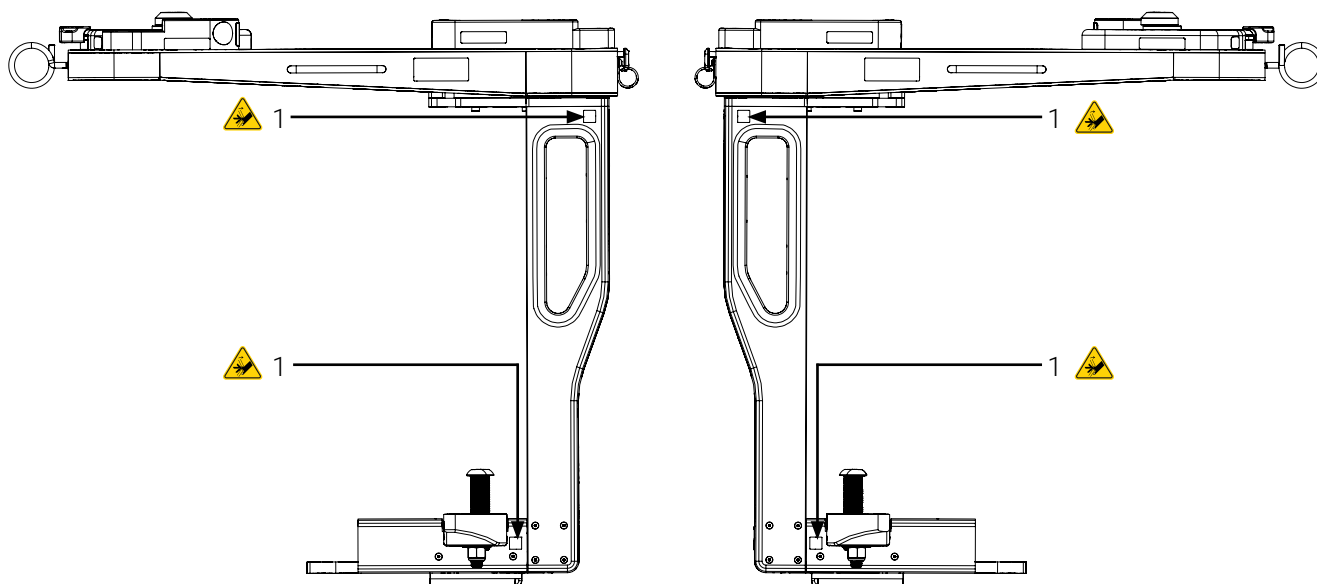
Call for action. Reminds the reader to consult the user manual for information.

2.2. Labels

Labelling on the surface of the Technimount product, quickly identify potential risks and provides information to the user. Safety labels (refer to section 2.2.1 on page 12), manufacturing labels, including the serial numbers and the safe working load specifications (refer to section 2.2.2 on page 13), as well as operation labels (refer to section 2.2.3 on page 16), can be seen on the Technimount product.

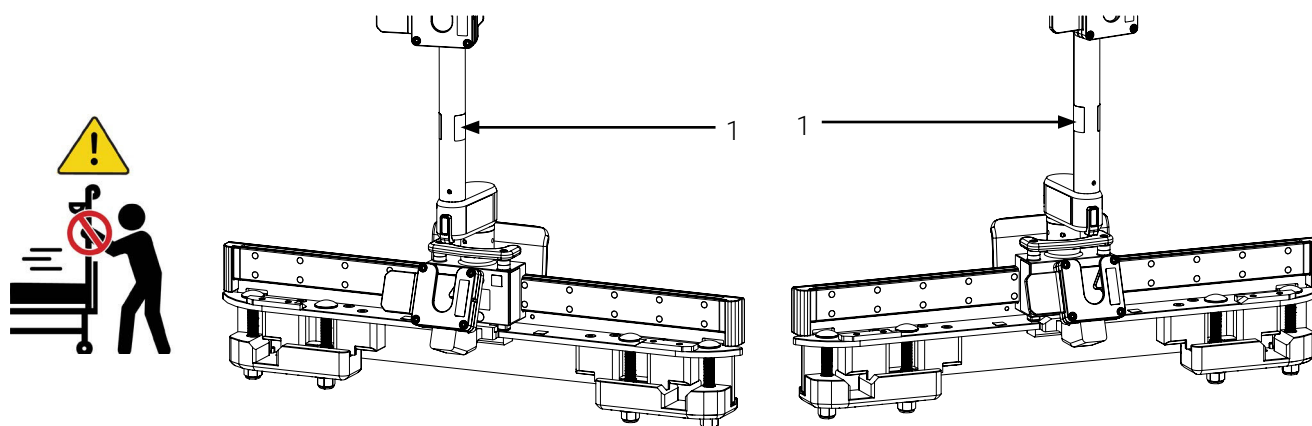
2.2.1. Safety Labels

Figure 1, Figure 2 and Figure 3 illustrate the location of the safety labels.



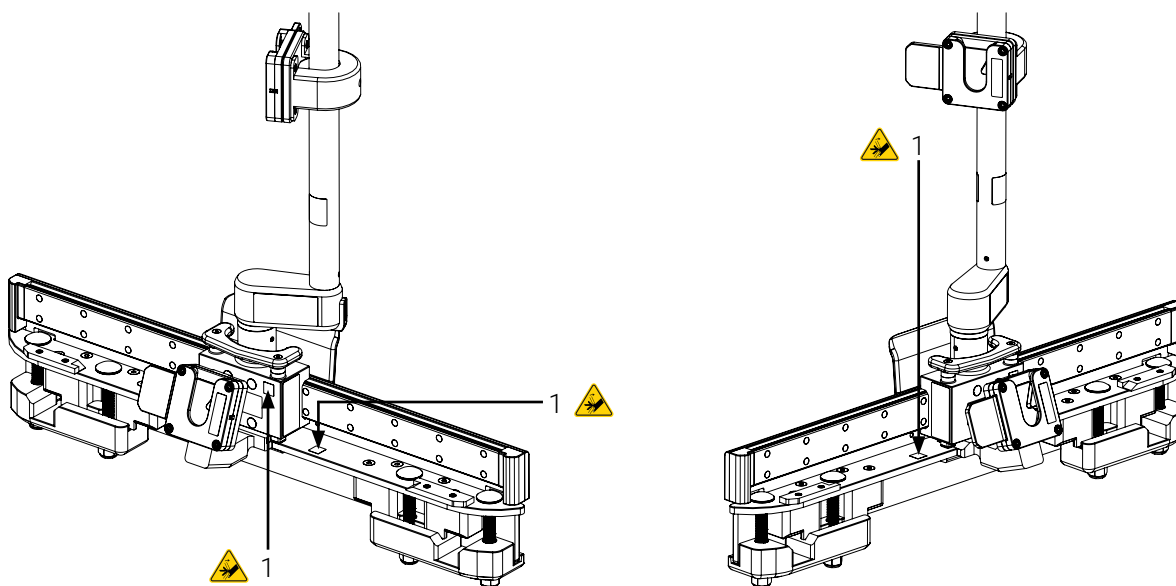
1. Hand Crush/Pinch Point (4X)

Figure 1: Location of the ContinuumMed PVT safety labels



1. Do not push

Figure 2: Location of the ContinuumMed RIV safety labels (1 of 2)

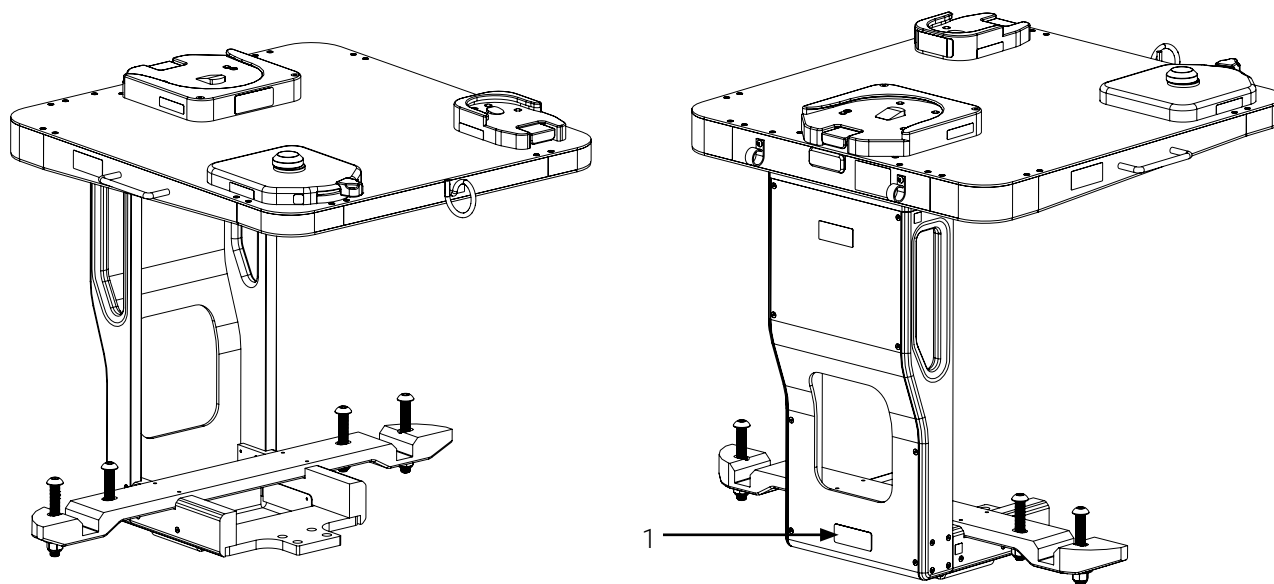


1. Hand Crush/Pinch Point (3X)

Figure 3: Location of the ContinuumMed RIV safety labels (2 of 2)

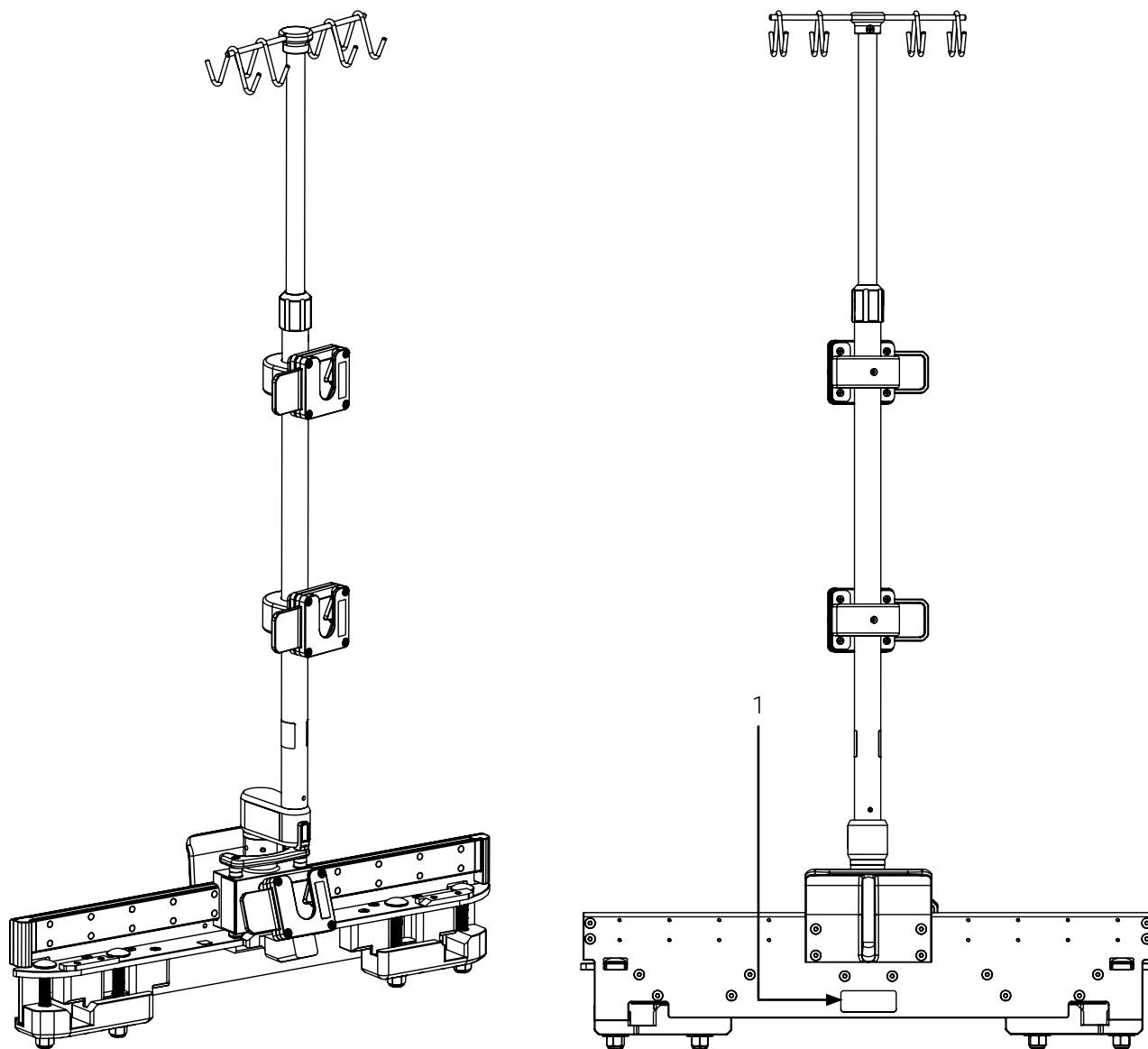
2.2.2. Manufacturing Labels

Figure 4, Figure 5, Figure 6 and Figure 7 illustrate the location of the manufacturing labels.



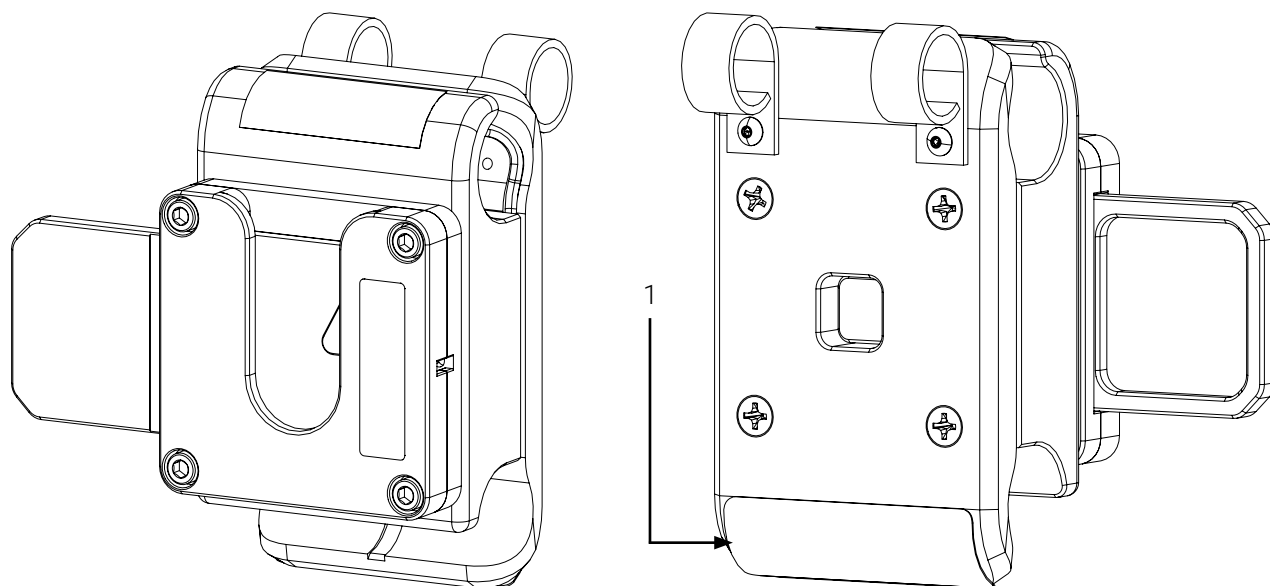
1. Manufacturing label

Figure 4: Location of the ContinuumMed PVT manufacturing label



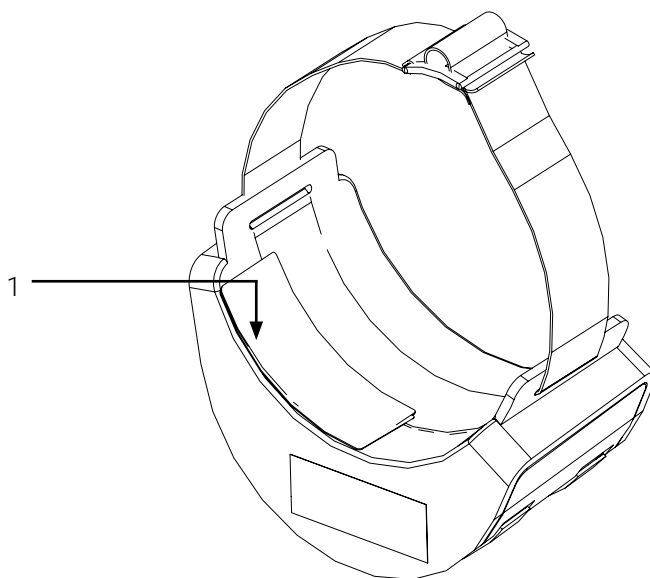
1. Manufacturing label

Figure 5: Location of the ContinuumMed RIV manufacturing label



1. Manufacturing label (2X; 1 per clamp block)

Figure 6: Location of the PS5000 Clamp Block FQ manufacturing label

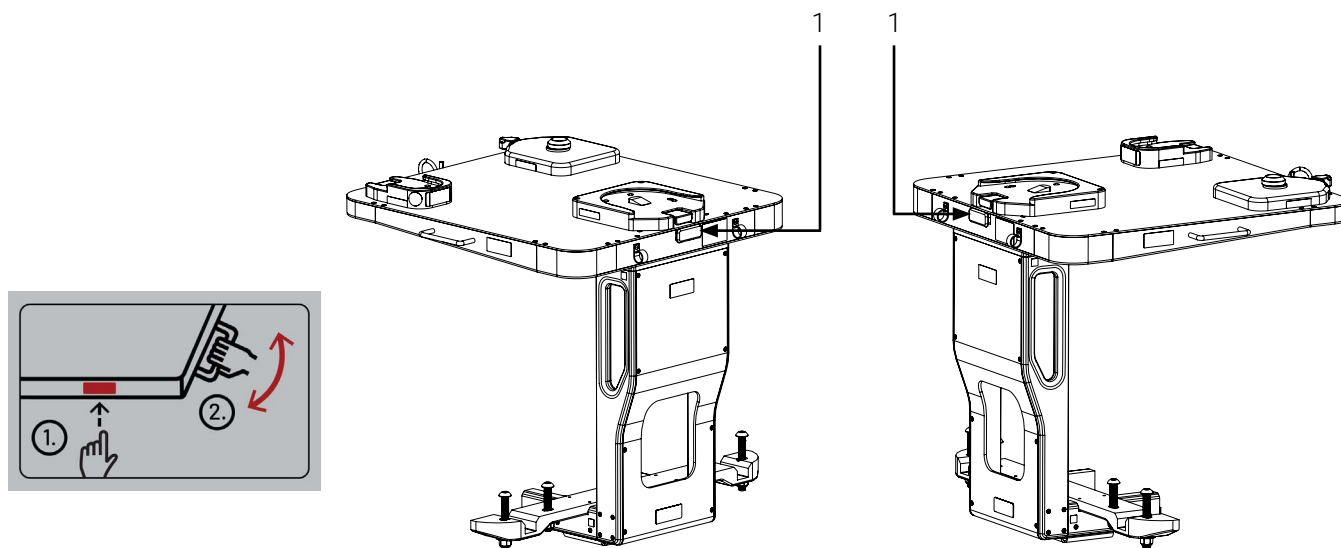


1. Manufacturing label

Figure 7: Location of the Cylinder Harness – PS5 manufacturing label

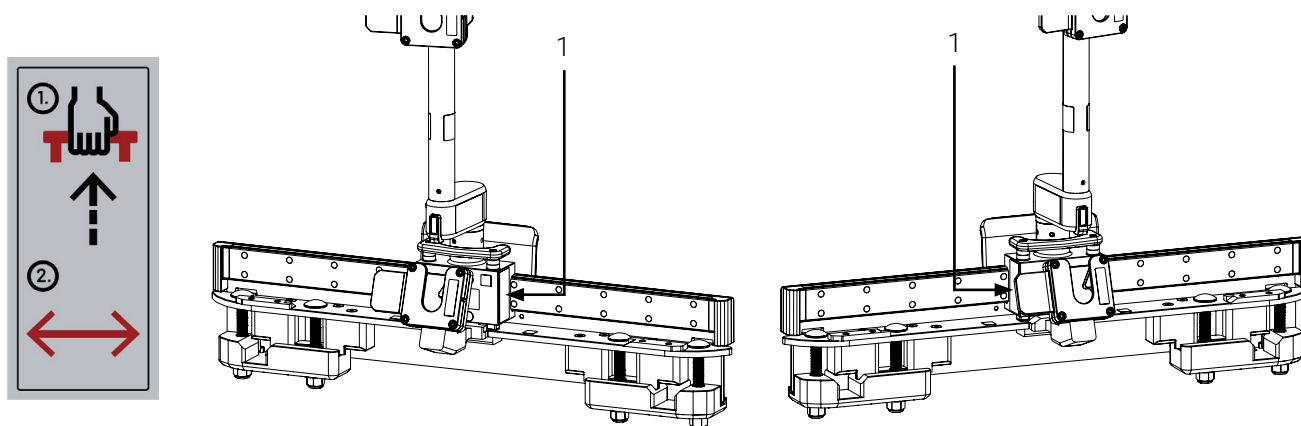
2.2.3. Operation Labels

Figure 8, Figure 9, and Figure 10 illustrate the location of the operation labels.



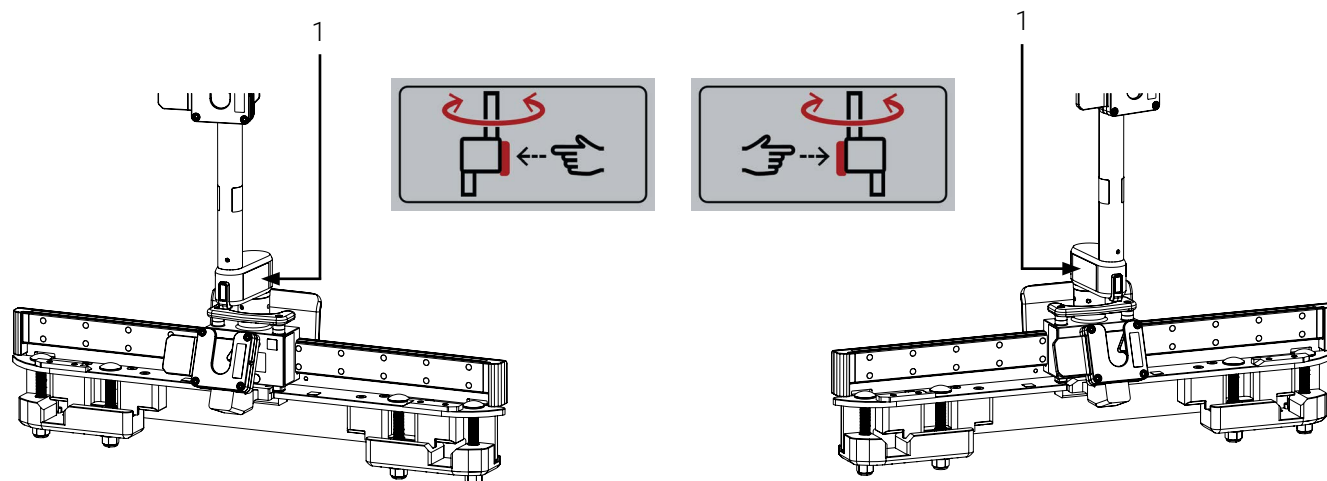
1. Pivoting operation

Figure 8: Location of the ContinuumMed PVT operation label



1. Translation operation (2X)

Figure 9: Location of the ContinuumMed RIV operation labels (1 of 2)



1. Vertical axis rotation operation (2X)

Figure 10: Location of the ContinuumMed RIV operation labels (2 of 2)

2.3. Safety Measures

Carefully read all the safety measures herein before operating the Technimount product, and always abide by all the safety guidelines identified within this document.

Specific safety measures relating to the safety checks and the conditioned-based maintenance, intended for personnel who have an advanced level of competency, can be found in the « Maintenance » section on page 72.



WARNING – Unauthorized Systems

- **Under no circumstances** should the ContinuuMed – C1 be installed on, connected to, or used in combination with any third party/competitor mounting system, mounting bracket, medical device, stretcher, or similar equipment, unless Technimount has provided a formal written confirmation of compatibility for the specific configuration.
- The ContinuuMed – C1 was specifically engineered to be used with the Techlem Premier Series 5000 stretcher. Using any other stretcher may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the clinical personnel.
- The ContinuuMed – C1 was engineered and tested exclusively for use with specific authorized and compatible Technimount components and systems. Using any unauthorized and/or incompatible system may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the clinical personnel.
- Technimount assumes no responsibility for any damage, malfunction, or injury arising from use of unauthorized or incompatible systems. Using any unauthorized and/or incompatible system may result in non-compliance with the applicable safety standards and will immediately void all warranties and liability coverage.
- Technimount products are intended for use only within their defined applications, including but not limited to, emergency medical services, critical care transport, and approved healthcare environments. Refer to the « Technical Specifications » section on page 22.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that your established internal protocols are updated and meet the technical specifications requirements herein (refer to the « Technical Specifications » section on page 22), as well as the local and regional compliance requirements before use.


WARNING – Proper Installation

- The ContinuuMed – C1 should only be installed on Techlem Premier Series 5000 stretchers, provided that all the applicable safety requirements are met.
- Before installation, the stretcher must be inspected and approved by qualified personnel (e.g., fleet maintenance, mechanical engineering, specialists, or regulatory-approved authorities) to ensure compliance with Technimount's specifications and instructions, the stretcher can safely support all applied loads under normal use conditions, and that the installation won't interfere with other critical systems or safety equipment.
- Improper installations that haven't been inspected and approved by qualified personnel may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the clinical personnel.
- Technimount assumes no responsibility for any damage, malfunction, or injury arising from improper installations and/or installations on surfaces that haven't been inspected and approved according to these requirements.
- Follow the installation instructions as detailed in the « Prepare the Stretcher » section on page 62, for a safe and reliable installation of your ContinuuMed – C1 and to avoid risks that may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the clinical personnel.


WARNING – Hand Crush/Pinch Point

- **Do not put your hands/fingers** near the juncture between the table top and c-shaped base of the ContinuuMed PVT when moving the table from side to side, to avoid risks of pinching, resulting in serious injury to the patients or to the EMS and clinical personnel or clinical personnel. Always use the handles to adjust the orientation of the table top. Refer to the « Safety Labels » section on page 12 if needed.
- **Do not put your hands/fingers** near the rail of the ContinuuMed RIV when moving the IV pole from side to side, to avoid risks of pinching, resulting in serious injury to the patients or to the clinical personnel. Always use the IV pole to adjusting its position. Refer to the « Safety Labels » section on page 12 if needed.
- **Do not put your hands/fingers** between the c-shaped base of the ContinuuMed RIV and the stretcher bed, to avoid risks of pinching, resulting in serious injury to the patients or to the clinical personnel. Refer to the « Safety Labels » section on page 12 if needed.


WARNING – Risk of Injury

- **Do not use** the ContinuuMed – C1 for air and/or ground emergency medical services and critical care transport. The mounting support should only be used in hospitals and clinics.
- **Do not use** the ContinuuMed – C1 if there are any loose or missing screws, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel.
- Immediately stop using the ContinuuMed – C1 if any serious incident occurs and inform authorized personnel, to contact the Technical Support at technicalsupport@technimount.com for a remedial action plan and to report the incident to the applicable regulatory agency.

**CAUTION – Safe Handling and Operation**

- **Do not push** the stretcher using the IV pole. Always use the stretcher handles and/or rails to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel. Refer to the stretcher manufacturer's user documentation and to your established internal protocols if needed.
- **Do not walk backwards** to transport the stretcher. Use a two (2)-person push/steer transport technique to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel. Refer to the manufacturer's user documentation and established internal protocols if needed.
- Techlem recommends transporting the stretcher at the lowest possible height to avoid back injuries or tipping incidents. Refer to the manufacturer's user documentation and established internal protocols if needed.
- Always ensure that the mounting brackets and medical devices are secured on the mounting system before moving the stretcher, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel.
- Always wait until the ContinuuMed – C1 is immobilized before manipulating the pivoting mounting table, rail-mounted IV pole, mounting brackets and medical devices, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel.
- Always wait until the ContinuuMed – C1 is immobilized before manipulating the Cylinder Harness – PS5 and gas cylinder. The mounting solution was designed to transport type E/M24 gas cylinders. Refer to the manufacturer's user document and to your established internal protocols if needed.
- Always pay close attention **not to wedge** the power cords or tubing during the installation/removal of the mounting systems, mounting brackets, medical devices and/or accessories and when operating the ContinuuMed – C1.

**CAUTION – Safe Practice**

- Always pay close attention to the different safety mechanisms of the ContinuuMed – C1, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel. Follow the recommended maintenance plan and its guidelines, as described in this user manual.
- Always practice safely operating the ContinuuMed – C1 until the manipulations have been perfected, before use with patients. Improper use of the mounting solution may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the clinical personnel.

**CAUTION – Safe Working Load (SWL)/Load Balance**

- **Do not overload or exceed** the total Safe Working Load (SWL) of the ContinuuMed – C1, to avoid tipping incidents or risks of collapsing. Refer to the « Technical Specifications » section on page 22 for the SWL specifications.
- The Safe Working Load (SWL) of the ContinuuMed – C1 **does not override** the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags and drawers for example. To comply with the SWL specification, the entire configuration should be taken into account. Refer to the user documentation of each product applicable to your specific configuration for specifications.

**CAUTION – Follow the Instruction for Use**

Always refer to your established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the ContinuuMed – C1, mounting systems, mounting brackets, medical devices, accessories and stretcher.

3. Technical Specifications



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Product Name	ContinuuMed – C1
Description	Mounting system is specifically designed to secure and transport multiple medical devices and accessories in hospitals and clinics
Product Code	ContinuuMed – C1: - ContinuuMed PVT – CMD-00-TCPS-PVT - ContinuuMed RIV – CMD-00-TCPS-RIV - PS5000 Clamp Block FQ – 3420-10-TCPS-FQ-S - Cylinder Harness – PS5 – OXY-00-TCPS
Operating Environment	Hospitals
Compliance	The applicable sections, tested in compliance with IEC 60601-1: 2005 + A1: 2012 + A2: 2020 (Ed. 3.2)
Expected Service Life	1 year
Compatible Stretcher	Techlem Premier Series 5000 stretcher – 3010-00-5000SAHF-CCT
Compatible Mounting Brackets	- Bracket Pro Serie mounting brackets with a standard bottom disc, micro disc and/or medical bottom disc - Compatible mounting brackets in the Flex Secur technology portfolio
Compatible Medical Devices/ Accessories	- Type E/M24 O2 gas cylinder - Medical devices compatible with Bracket Pro Serie mounting brackets with a standard bottom disc, micro disc and/or medical bottom disc - IV bags
Dimensions (W X D X H)	ContinuuMed – C1 with PS5000 stretcher: 924.6 mm (36.4 in.) W X 2305.3 mm (90.8 in.) D X 1455.4 – 1757.7 mm (57.3 – 69.2 in.) H - ContinuuMed PVT – 711.2 mm (28 in.) W X 711.2 mm (28 in.) D X 607 mm (24 in.) H - ContinuuMed RIV – 686 mm (27 in.) W X 229 mm (9 in.) D X 942.3 – 1245 mm (37.1 – 49 in.) H - PS5000 Clamp Block FQ – 122 mm (4.8 in.) W X 84 mm (3.3 in.) D X 134 mm (5.3 in.) H - Cylinder Harness – PS5 – 122 mm (4.8 in.) W X 165.1 mm (6.5 in.) D X 68.6 mm (2.7 in.) H
Weight	- ContinuuMed – C1 with PS5000 stretcher: 197.8 kg (436.1 lb) - ContinuuMed – C1 without PS5000 stretcher: 39 kg (86 lb) - ContinuuMed PVT – 22 kg (49 lb) - ContinuuMed RIV – 12.8 kg (28.3 lb) - PS5000 Clamp Block FQ – 1.9 kg (4.2 lb) - Cylinder Harness – PS5 – 0.4 kg (0.8 lb)

Composition	Aluminum, stainless steel and rubber
Total Safe Working Load (SWL)	- ContinuuMed PVT – 36.3 kg (80 lb) - ContinuuMed RIV – 27.2 kg (60 lb) - PS5000 Clamp Block FQ – 11.3 kg (25 lb) - Cylinder Harness – PS5 – 4.3 kg (9.5 lb)
Operating Temperature	- 35° C to 45° C (- 31° F to 113° F)
Tested and Approved Cleaning Solutions	- Oxivir, 5% Hydrogen Peroxide with Peracetic Acid (AHP) - Lavo 12, 10 000 ppm Sodium Hypochlorite - TNT-100, 5% Quaternary Ammonium Compound - Spectro-Sept, 5% Ethyl Alcohol - Spectrol, 5% EDTA salt
Options	N/A

4. Configuration Illustrations



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

The orientations referenced herein are from the stretcher standpoint (Figure 11).

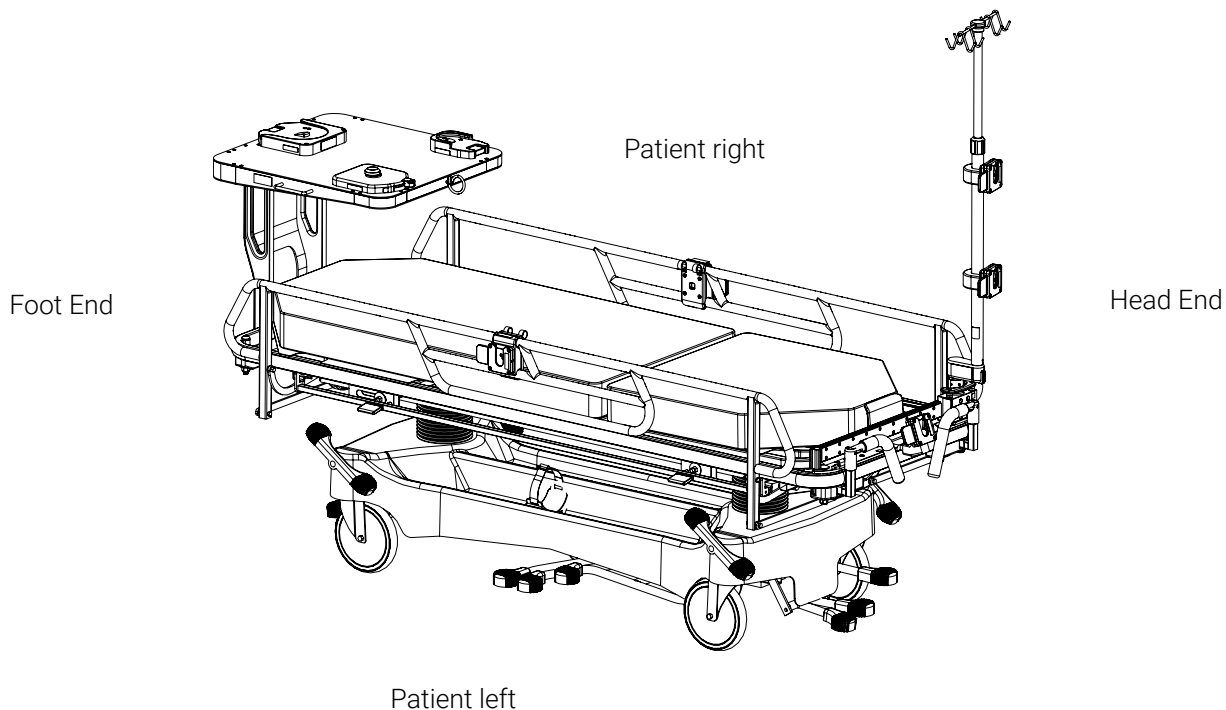


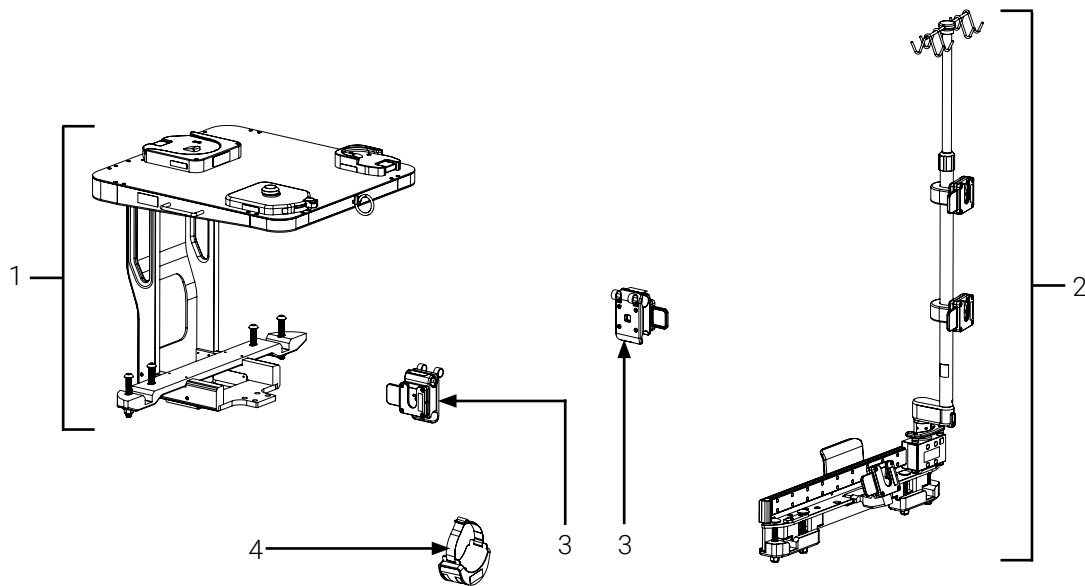
Figure 11: ContinuumMed – C1 orientation illustration

5. Illustrated Parts



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Figure 12 illustrates the four (4) main components of the ContinuuMed – C1. The subsequent sections illustrate the parts of each main component.



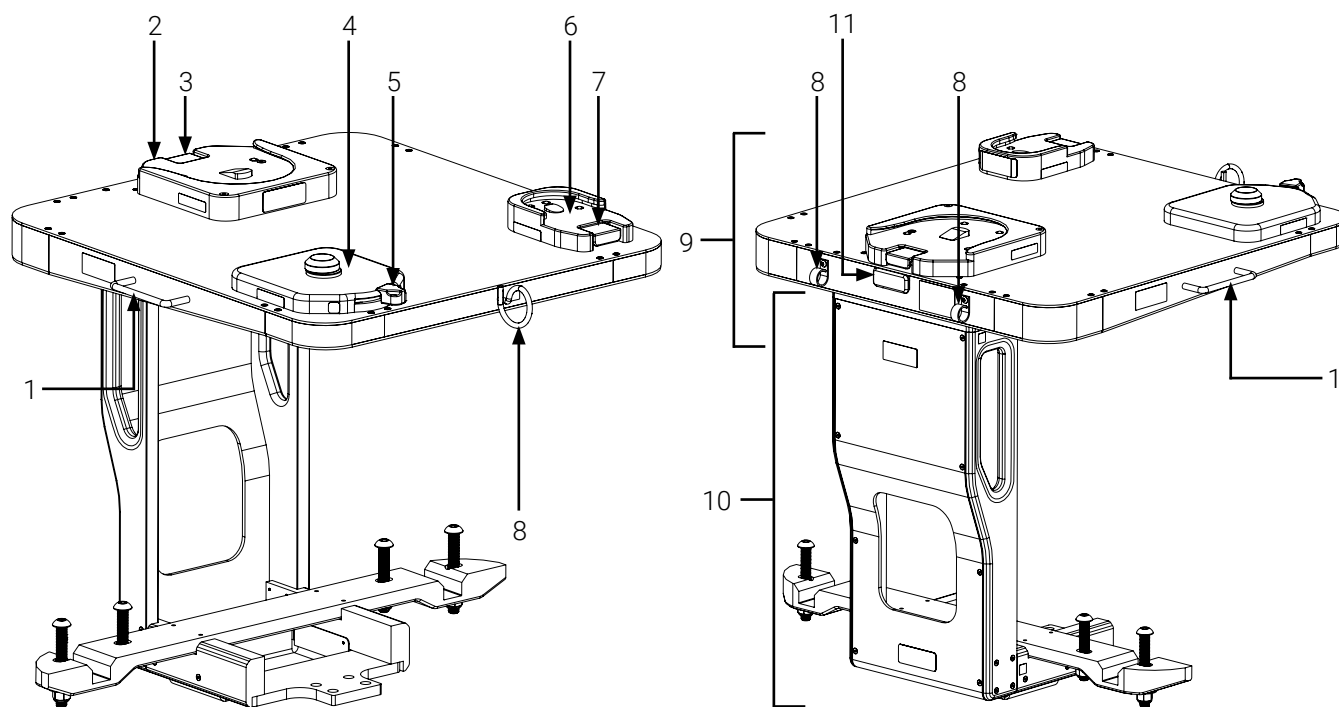
1. ContinuuMed PVT
2. ContinuuMed RIV

3. PS5000 Clamp Block FQ (2X)
4. Cylinder Harness – PS5

Figure 12: ContinuuMed – C1 main components

5.1. ContinuuMed PVT

Figure 13 illustrates the components of the ContinuuMed PVT.

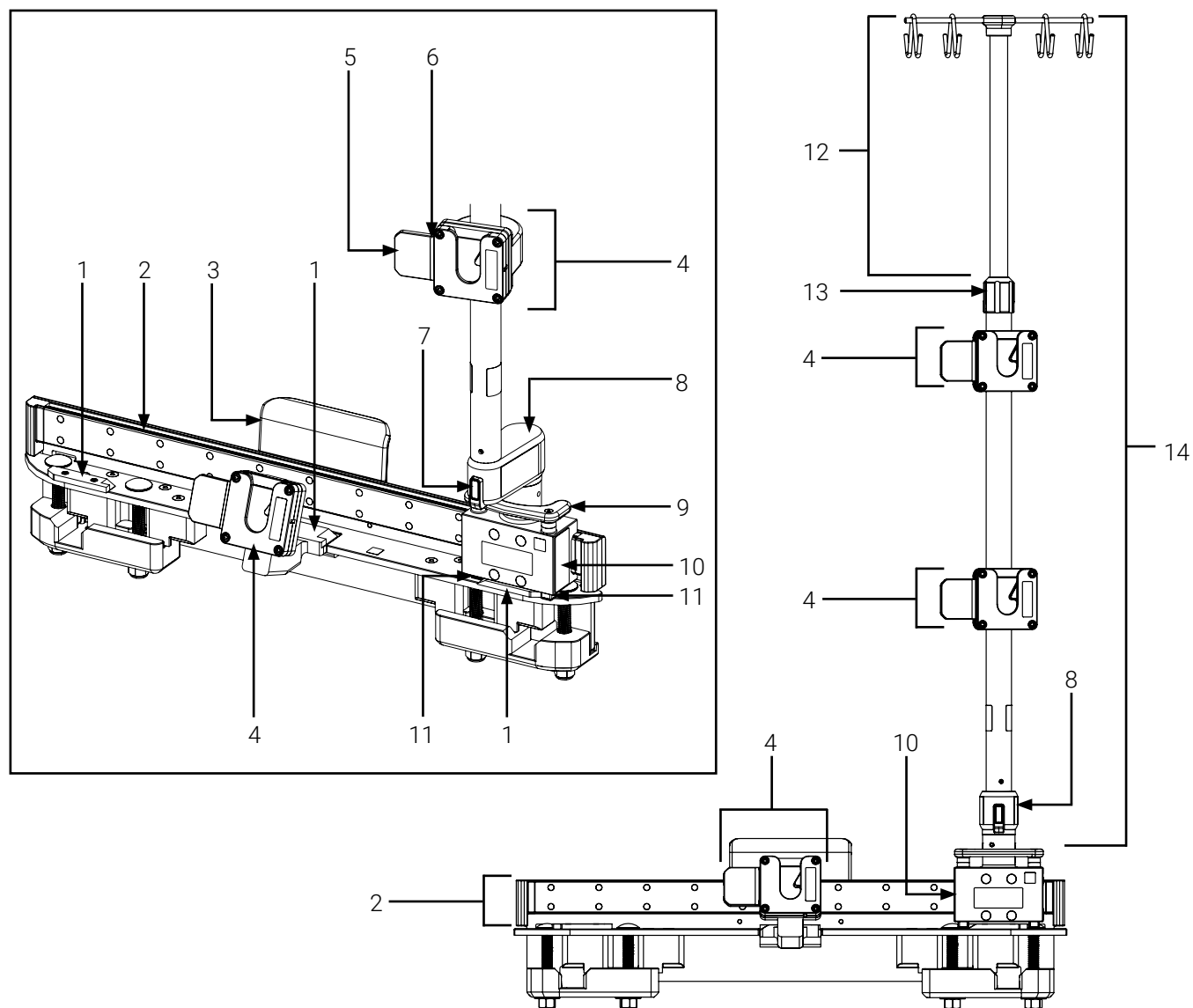


- | | |
|-------------------------------|--------------------------------------|
| 1. Handle (2X) | 7. Quick-release button (MB) |
| 2. Standard Surface Base | 8. Cable management (3X) |
| 3. Quick-release button (SSB) | 9. Table top |
| 4. Universal Mounting Base | 10. C-shaped base |
| 5. Quick-release button (UMB) | 11. Quick-release button (table top) |
| 6. Micro Base | |

Figure 13: ContinuuMed PVT components

5.2. ContinuuMed RIV

Figure 14 illustrates the components of the ContinuuMed RIV.

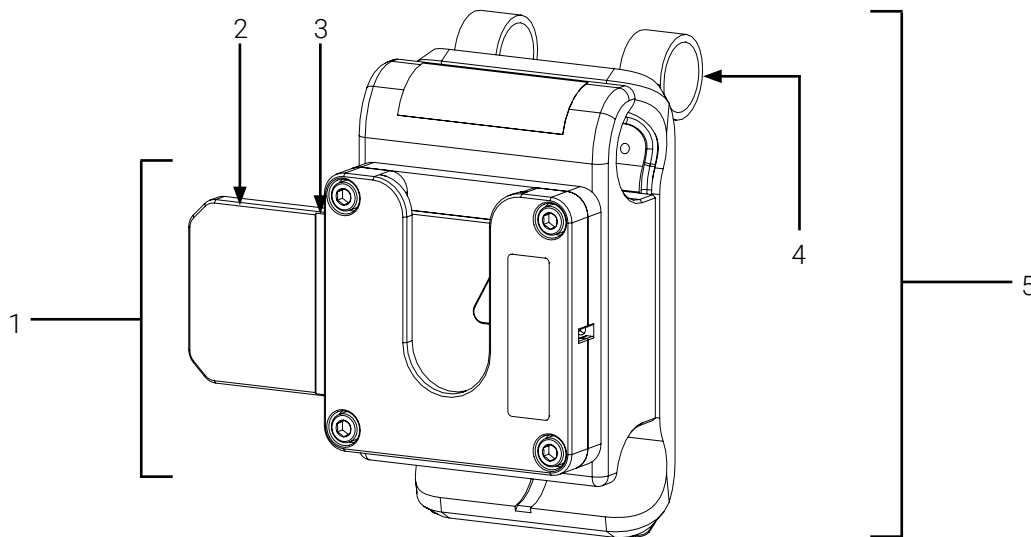


- | | |
|---|---|
| 1. Stop plate (3) | 7. Quick-release button (swivel elbow) |
| 2. Rail | 8. Swivel elbow |
| 3. Guard | 9. Spring-loaded quick-release handle |
| 4. Flex Sequer assembly (3X) | 10. Sliding block |
| 5. Quick-release button (3X; 1 per Flex Sequer assembly) | 11. Locking pull pin (2X) |
| 6. Lock/Unlock indicator (3X; 1 per Flex Sequer assembly) | 12. Adjustable segment with hook rack (IV pole) |
| | 13. Collar |
| | 14. IV pole |

Figure 14: ContinuuMed RIV components

5.3. PS5000 Clamp Block FQ

Figure 15 illustrates the components of the PS5000 Clamp Block FQ.



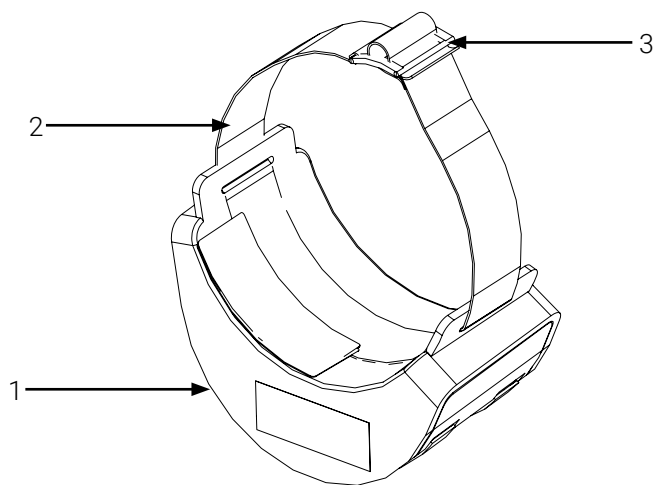
- 1. Flex Sequer assembly
- 2. Quick-release
- 3. Lock/Unlock indicator

- 4. Cable management (2X)
- 5. Clamp block

Figure 15: PS5000 Clamp Block FQ components

5.4. Cylinder Harness – PS5

Figure 16 illustrates the components of the Cylinder Harness – PS5.



- 1. Mount
- 2. Strap

- 3. Buckle

Figure 16: Cylinder Harness – PS5 components

6. Illustrated Dimensions



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Figure 17 illustrates the dimensions of the ContinuuMed – C1 and Techlem Premier Series 5000 stretcher. The ContinuuMed – C1 is composed of four (4) main components. The subsequent sections illustrate the dimensions of each main component.

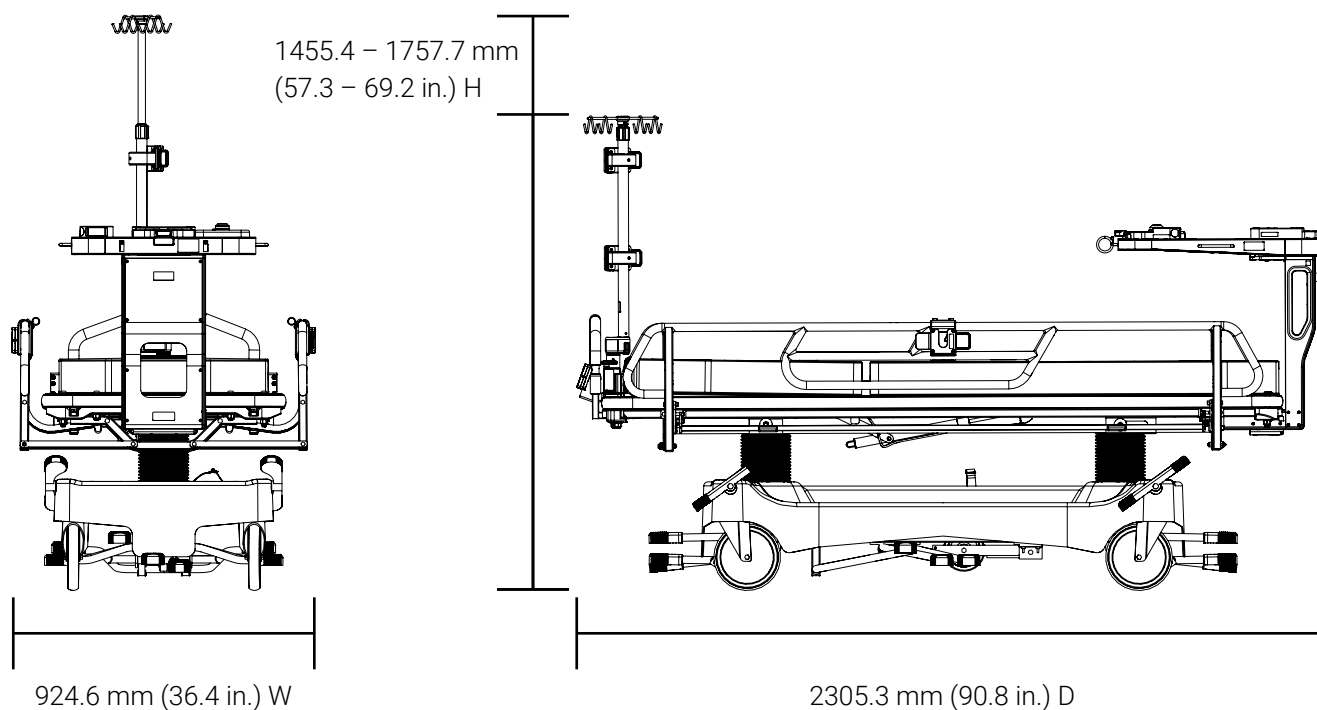


Figure 17: ContinuuMed – C1 and Techlem Premier Series 5000 stretcher dimensions

6.1. ContinuuMed PVT

Figure 18 illustrates the dimensions of the ContinuuMed PVT.

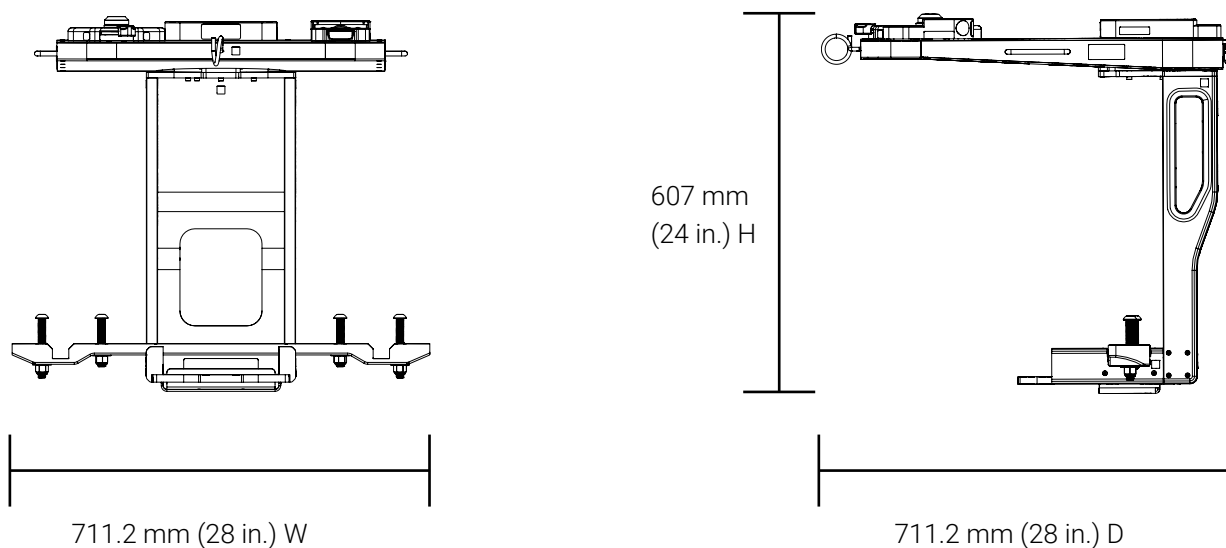


Figure 18: ContinuuMed PVT dimensions

6.2. ContinuuMed RIV

Figure 19 illustrates the dimensions of the ContinuuMed RIV.

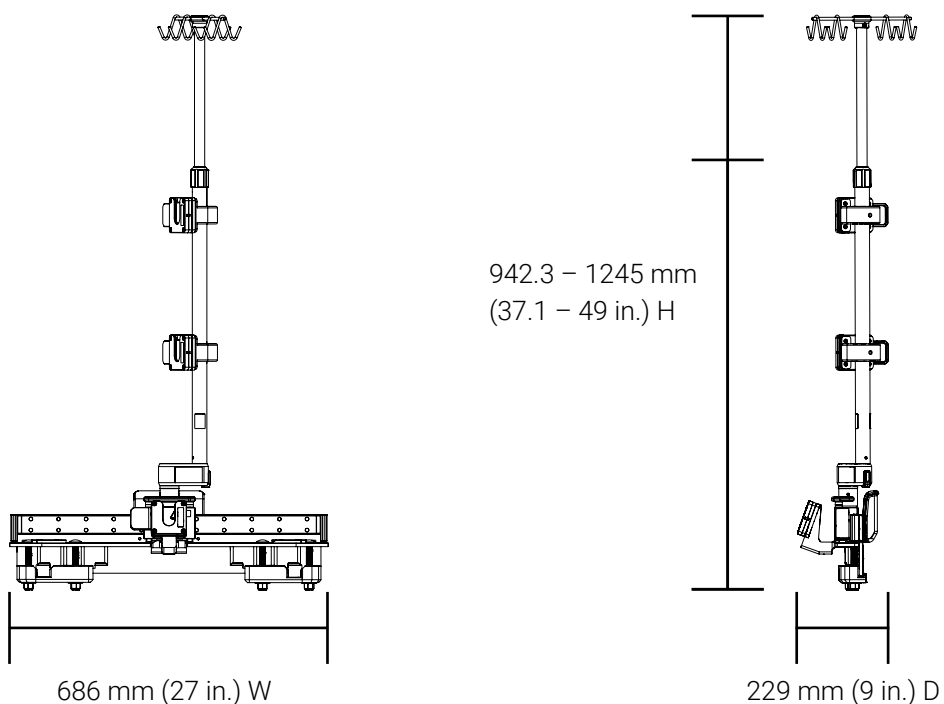


Figure 19: ContinuuMed RIV dimensions

6.3. PS5000 Clamp Block FQ

Figure 20 illustrates the dimensions of the PS5000 Clamp Block FQ.

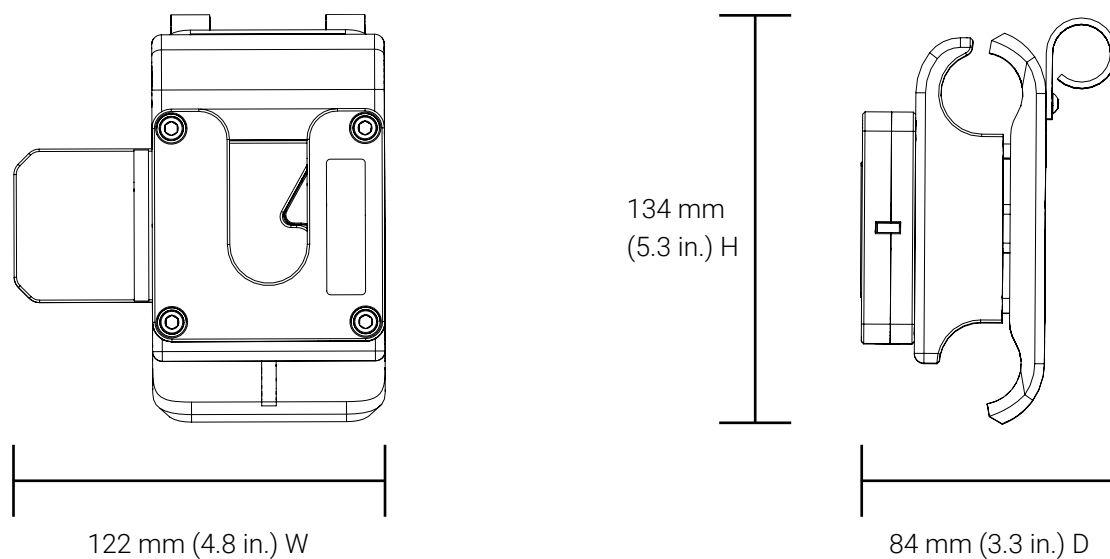


Figure 20: PS5000 Clamp Block FQ dimensions

6.4. Cylinder Harness – PS5

Figure 21 illustrates the dimensions of the Cylinder Harness – PS5.

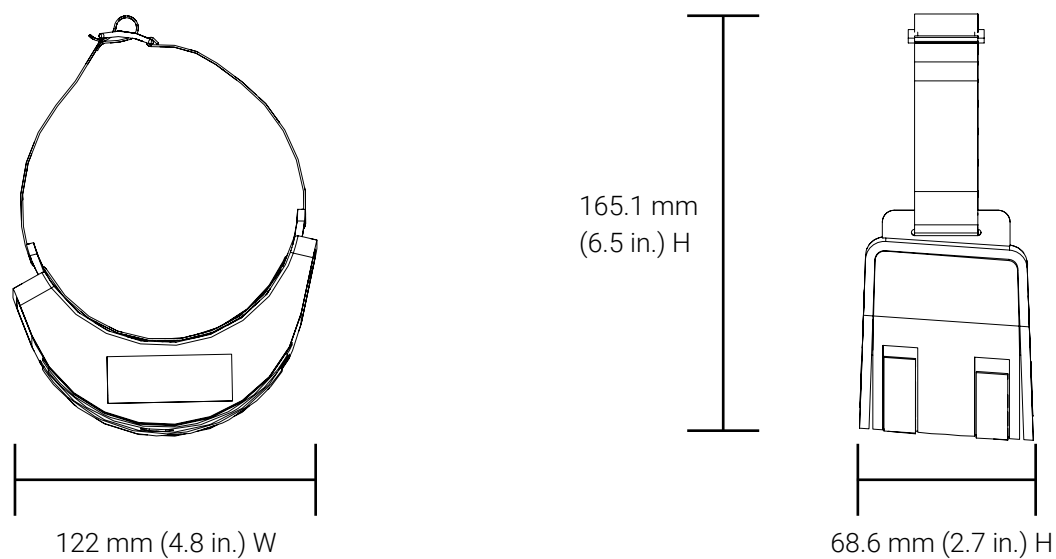


Figure 21: Cylinder Harness – PS5 dimensions

7. Safety Mechanism



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

There are four (4) different systems on the ContinuuMed – C1. Each system has their own safety mechanism(s). Refer to the subsequent sections for operational details of each mechanism.

7.1. ContinuuMed PVT Safety Mechanisms

The ContinuuMed PVT was designed to secure medical devices at patient foot end of the Techlem Premier Series 5000 stretcher. The system has four (4) safety mechanisms:

- The table top of the pivoting mounting table rotates up to 180° clockwise and counterclockwise in quarter-turn increments. A quick-release button located on the back edge of the table top is used to activate/deactivate the locking mechanism and rotate the table top towards one (1) of the three (3) possible positions. Refer to sections 7.1.1 on page 32 and 7.1.2 on page 33 if needed.
- The medical devices are secured on the table top of the pivoting mounting table in the three (3) bases using compatible mounting brackets. A quick-release button and locking mechanism are used to secure devices on the Standard Surface Base and Micro Base. A slide locking lever and locking disc are used to secure devices on the Universal Mounting Base. Refer to sections 7.1.3 on page 33 (Standard Surface Base) and 7.1.4 on page 34 (Micro Base) and/or sections 7.1.5 on page 35 and 7.1.6 on page 36 if needed.

7.1.1. Activate the Safety Mechanism of the Pivoting Mounting Table

The safety mechanism activates when the table top is rotated clockwise or counterclockwise and the locking mechanism located under the table top inserts in the grooves in the c-shaped mounting base. Each groove corresponds to a "locked" position (Figure 22). When the quick-release button is extruded and the click sound is heard, the table top is locked and secured.

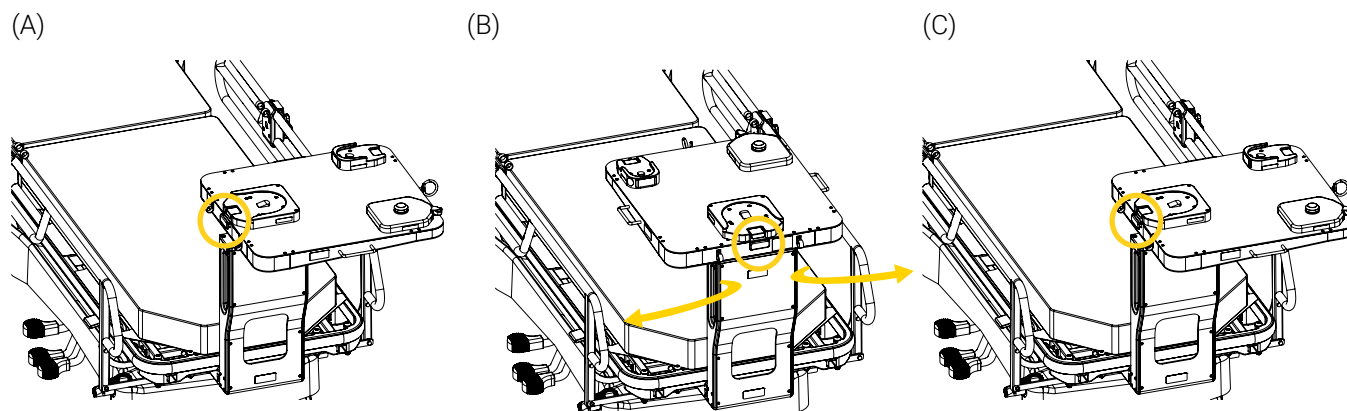


Figure 22: Activating the safety mechanism of the pivoting mounting table

7.1.2. Deactivate the Safety Mechanism of the Pivoting Mounting Table

The safety mechanism deactivates when the quick-release button located on the back edge of the mounting table is pressed. When pressed, the locking mechanism retracts from the groove and the table can be rotated clockwise or counterclockwise (Figure 23).

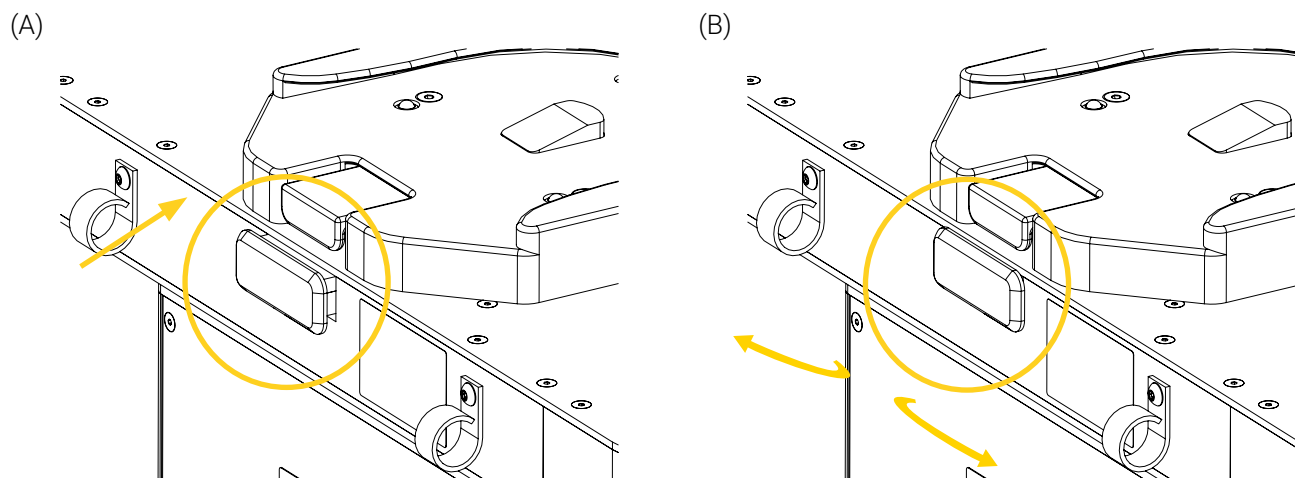


Figure 23: Deactivating the safety mechanism of the pivoting mounting table

7.1.3. Activate the Safety Mechanism of the Standard Surface Base/Micro Base

The safety mechanism activates when the standard bottom disc/micro disc of the medical device's mounting bracket is inserted in the Standard Surface Base/Micro Base. When the disc is pushed towards the back of the base, it slides on the integrated plungers until the locking mechanism inserts the cavity of the disc. When the click sound is heard, the base is locked and the mounting bracket is secured (Figure 24 and Figure 25). Refer to the Standard Surface Base/Micro Base User Manual(s) if needed.

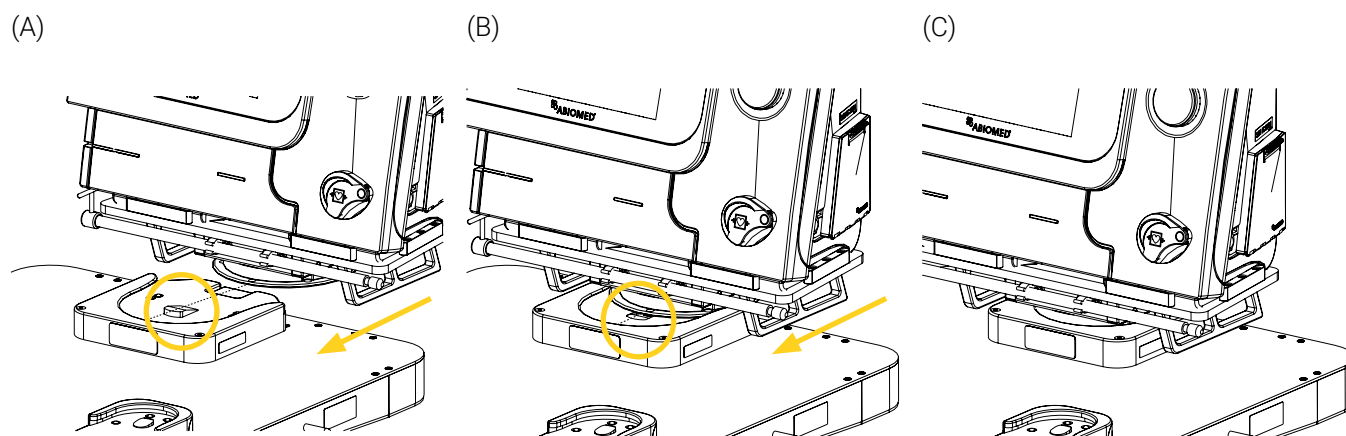


Figure 24: Activating the safety mechanism of the Standard Surface Base

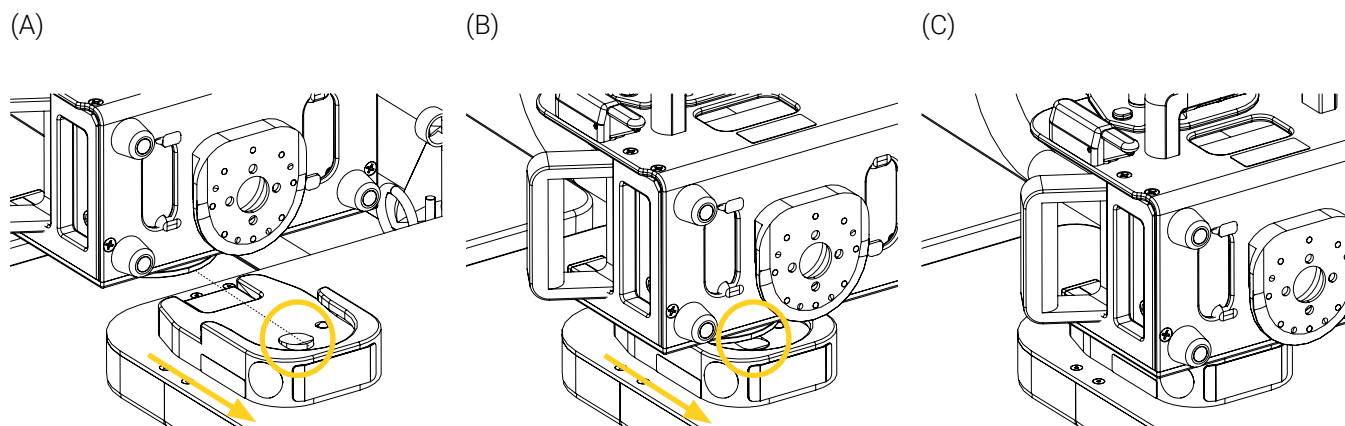


Figure 25: Activating the safety mechanism of the Micro Base

7.1.4. Deactivate the Safety Mechanism of the Standard Surface Base/Micro Base

The locking mechanism deactivates when the quick-release button of the Standard Surface Base/Micro Base is pressed and the locking mechanism retracts, releasing the disc of the medical device's mounting bracket. Once the disc is released, the medical device can be removed (Figure 26 and Figure 27). Refer to the Standard Surface Base/Micro Base User Manual(s) if needed.

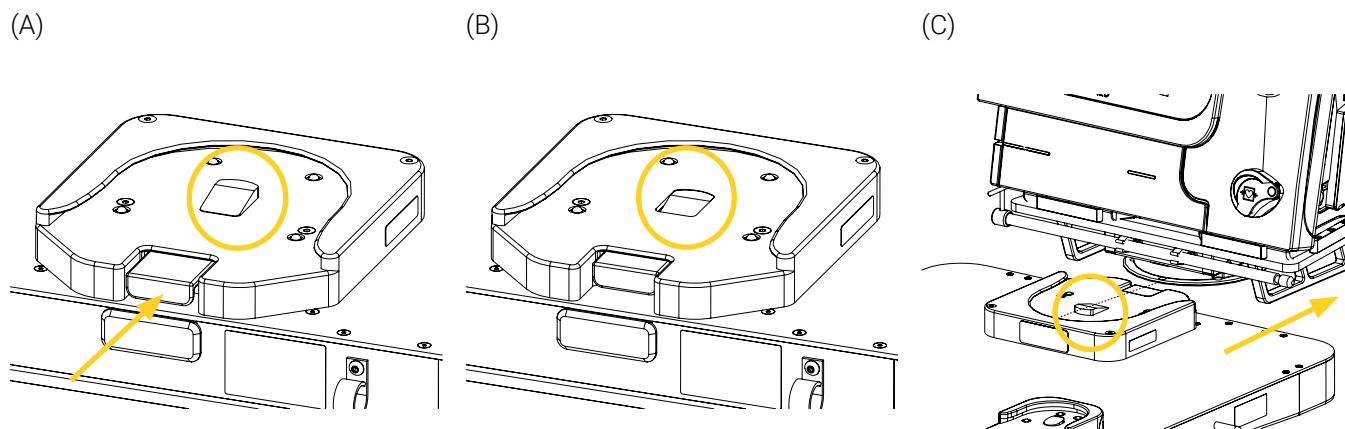


Figure 26: Deactivating the safety mechanism of the Standard Surface Base

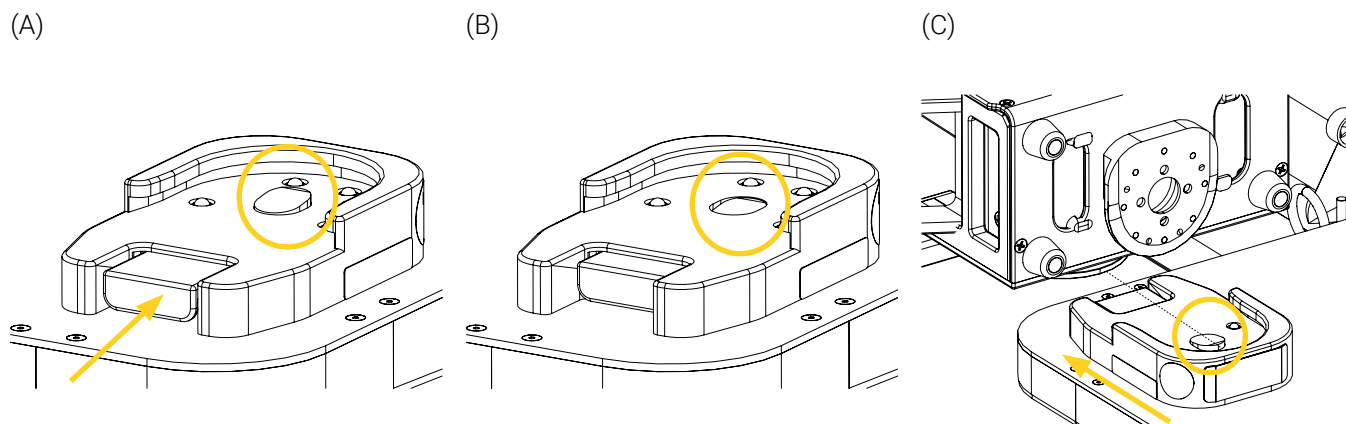


Figure 27: Deactivating the safety mechanism of the Micro Base

7.1.5. Activate the Safety Mechanism of the Universal Mounting Base

The safety mechanism activates when the slide locking lever located at the front of the Universal Mounting Base is moved towards the right in the locked position . When the lever is moved, the locking disc shifts towards the back of the base and inserts in the mounting bracket, which then locks on the base (Figure 28). Refer to the Universal Mounting Base User Manual if needed.

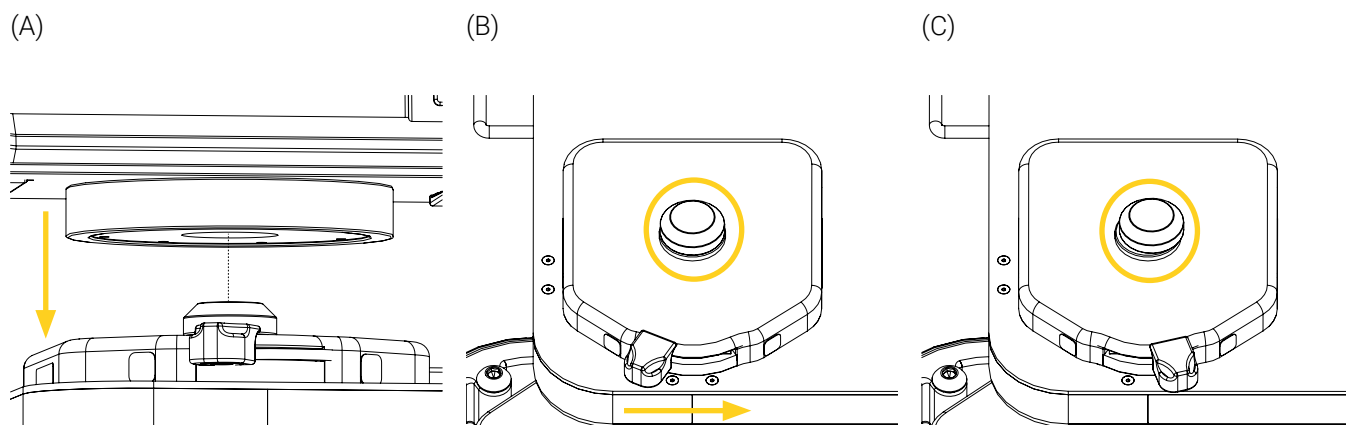


Figure 28: Activating the safety mechanism of the Universal Mounting Base

7.1.6. Deactivate the Safety Mechanism of the Universal Mounting Base

The safety mechanism deactivates when the slide locking lever located at the front of the Universal Mounting Base is moved towards the left in the unlocked position . When the lever is moved, the locking disc re-centers itself and liberates the disc from the mounting bracket, which then unlocks on the base. Once unlocked, the mounting bracket can be removed from the base (Figure 29). Refer to the Universal Mounting Base User Manual if needed.

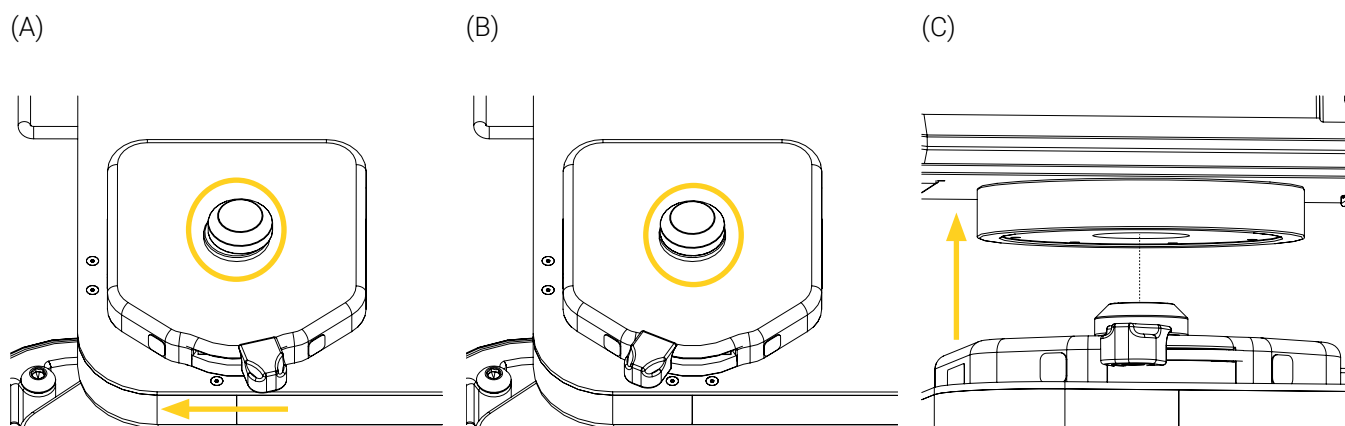


Figure 29: Deactivating the safety mechanism of the Universal Mounting Base

7.2. ContinuuMed RIV

The ContinuuMed RIV was designed to secure medical devices at patient head end of the Techlem Premier Series 5000 stretcher on a rail-mounted IV pole. The system has four (4) types of safety mechanisms:

- A linear gliding system moves the IV pole along the rail. A spring-loaded quick-release handle located on top of the sliding block is used to activate/deactivate the locking mechanism of the sliding block in/from the three (3) locking positions. Refer to sections 7.2.1 on page 37 and 7.2.2 on page 37 if needed.
- A locking joint mechanism is used to rotate the swivel elbow of the IV pole 180° on a vertical axis. A spring-loaded lock pin and quick-release button are used to activate/deactivate the locking mechanism in/from the seven (7) locking positions. Refer to sections 7.2.3 on page 38 and 7.2.4 on page 38 if needed.
- The medical devices are secured on the IV pole in two (2) collar-mounted Flex Sequ assemblies and on the fixed Flex Sequ assembly located in front of the rail. A quick-release button is used to activate/deactivate the safety mechanism. Refer to the Flex Sequ assembly User Manual if needed. Refer to sections 7.2.5 on page 39 and 7.2.6 on page 39 if needed.
- A telescopic pole is used to adjust the height of the IV bags. A collar is used to tighten/loosen the pole in the base. Refer to sections 7.2.7 on page 40 and 7.2.8 on page 40 if needed.

7.2.1. Activate the Linear Gliding System

The safety mechanism activates when the spring-loaded quick-release handle located on top of the sliding block is released. When the handle is released above one (1) of the three (3) stop plates, the two (2) locking pull pins are extruded from the sliding block on each side of the chosen plate, securing the rail-mounted IV pole (Figure 30).

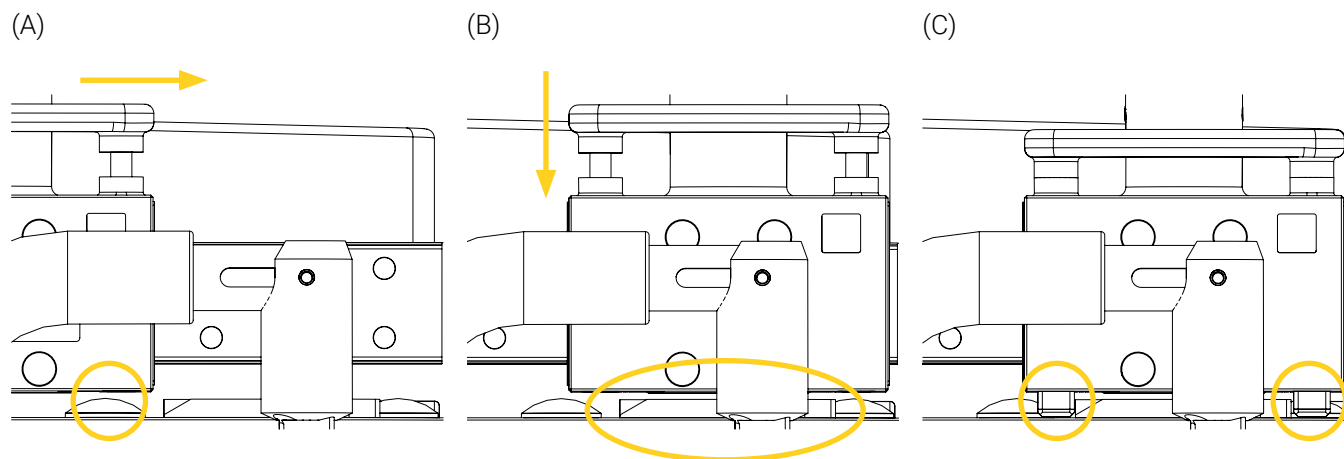


Figure 30: Activating the safety mechanism of the linear gliding system

7.2.2. Deactivate the Linear Gliding System

The safety mechanism deactivates when the spring-loaded quick-release handle located on top of the sliding block is lifted, releasing the locking mechanism. When the handle is lifted and held, the locking pull pins insert in the sliding block and the rail-mounted IV pole can be moved left or right in one (1) of the three (3) lock positions (Figure 31).

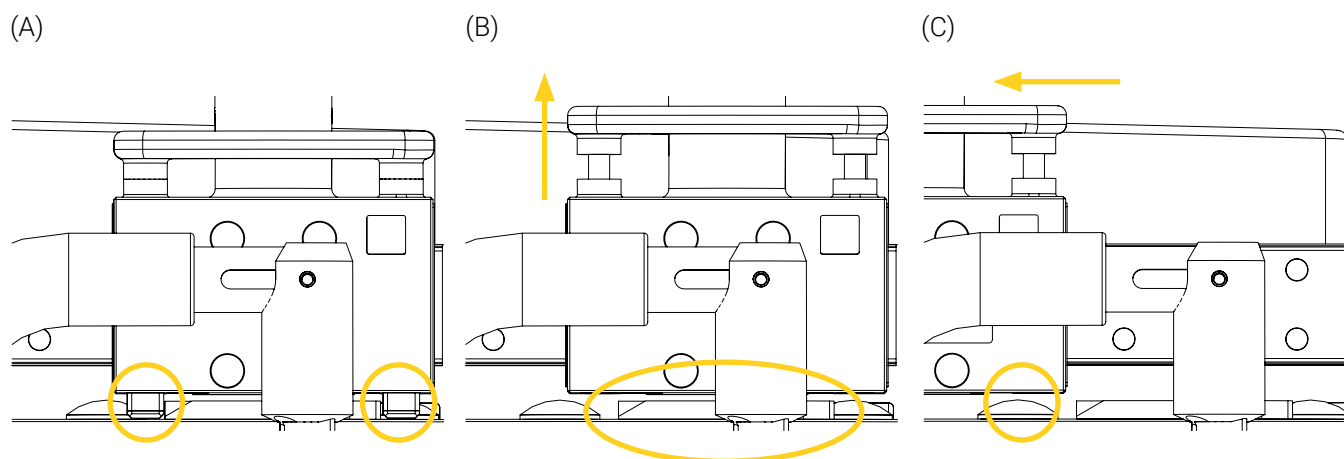
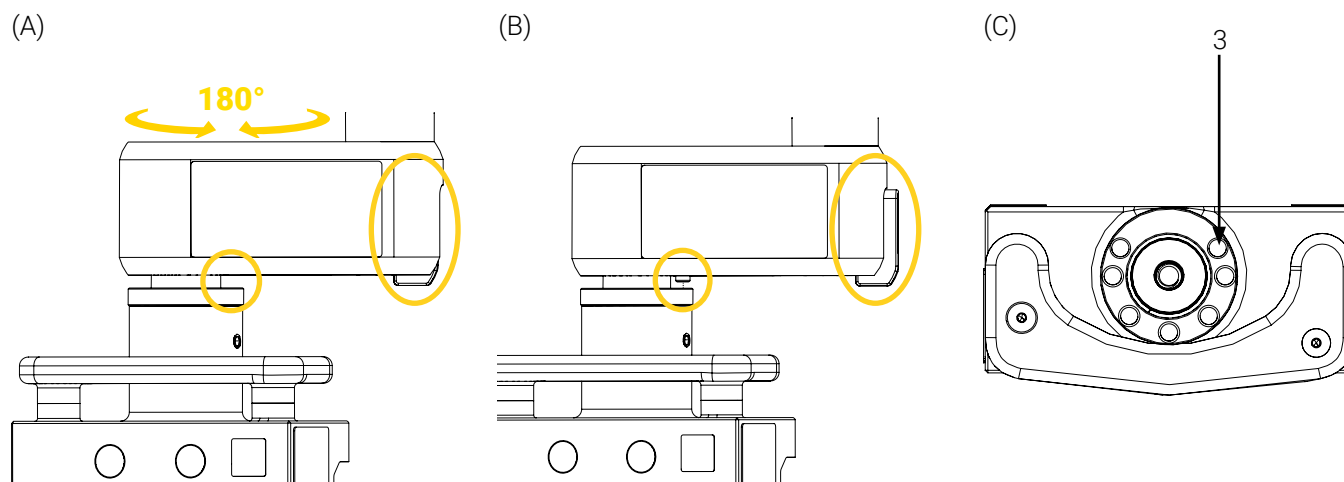


Figure 31: Deactivating the safety mechanism of the linear gliding system

7.2.3. Activate the Locking Joint Mechanism

The safety mechanism activates when the quick-release button is released (Figure 32A) and the spring-loaded lock pin located inside the swivel elbow is extruded (Figure 32B) and insert in the seven (7) grooves of locking joint mechanism (Figure 32C). When the click sound is heard, the IV pole is locked and secured.



1. Groove (7X)

Figure 32: Activating the safety mechanism of the locking joint mechanism
(interactive exploded-views for user comprehension)

7.2.4. Deactivate the Locking Joint Mechanism

The safety mechanism deactivates when the quick-release button located on the end of the swivel elbow is pressed. When the button is pressed and held in, spring-loaded lock pin located inside the swivel elbow retracts from the groove of locking joint mechanism and the IV pole can be rotated (Figure 33).

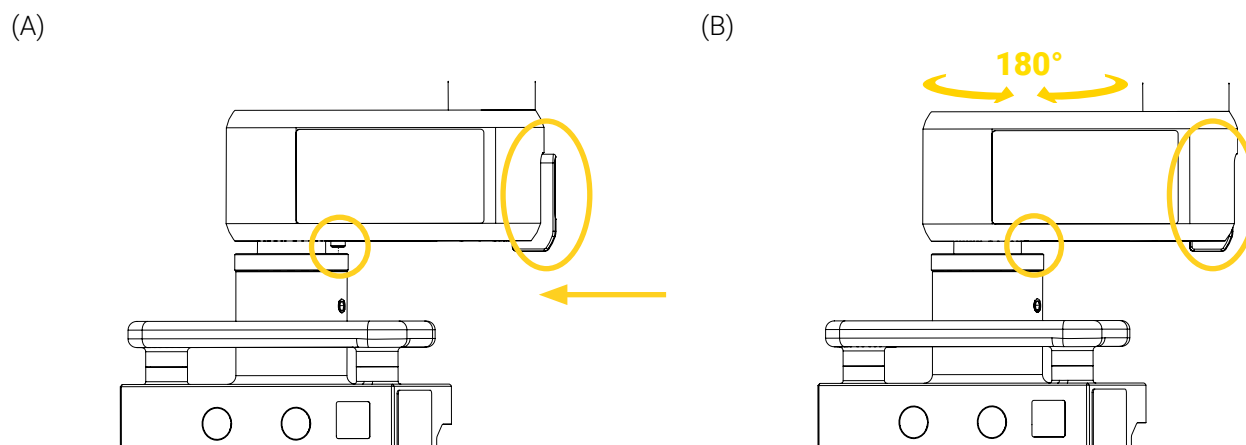


Figure 33: Deactivating the safety mechanism of the locking joint mechanism
(interactive exploded-views for user comprehension)

7.2.5. Activate the Safety Mechanism of the Flex Sequer Assembly – ContinuuMed RIV

The safety mechanism activates when the mounting clip located behind the mounting bracket is inserted vertically in the Flex Sequer assembly (Figure 34A). When the clip is pushed in, it slides on the latch (Figure 34B) until the locking mechanism inserts the cavity of the clip (Figure 34C). When the click sound is heard and the lock/unlock indicator located on the quick-release button of the Flex Sequer assembly is visible, the system is locked and the bracket is secured. Refer to the mounting bracket's and/or Flex Sequer assembly's User Manual(s) if needed.

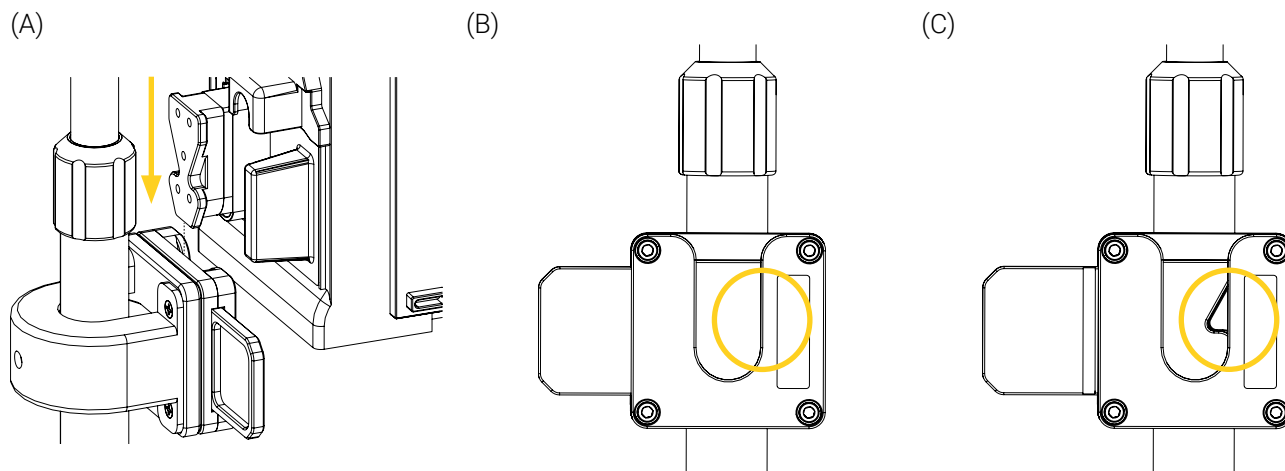


Figure 34: Activating the Flex Sequer assembly safety mechanisms – ContinuuMed RIV

7.2.6. Deactivate the Safety Mechanism of the Flex Sequer Assembly – ContinuuMed RIV

The locking mechanism is deactivated when the quick-release button of the Flex Sequer assembly is pressed. When pressed (Figure 35A), the latch releases the clip of the mounting bracket (Figure 35B) and the medical device can be removed vertically (Figure 35C). Refer to the mounting bracket's and/or Flex Sequer assembly's User Manual(s) if needed.

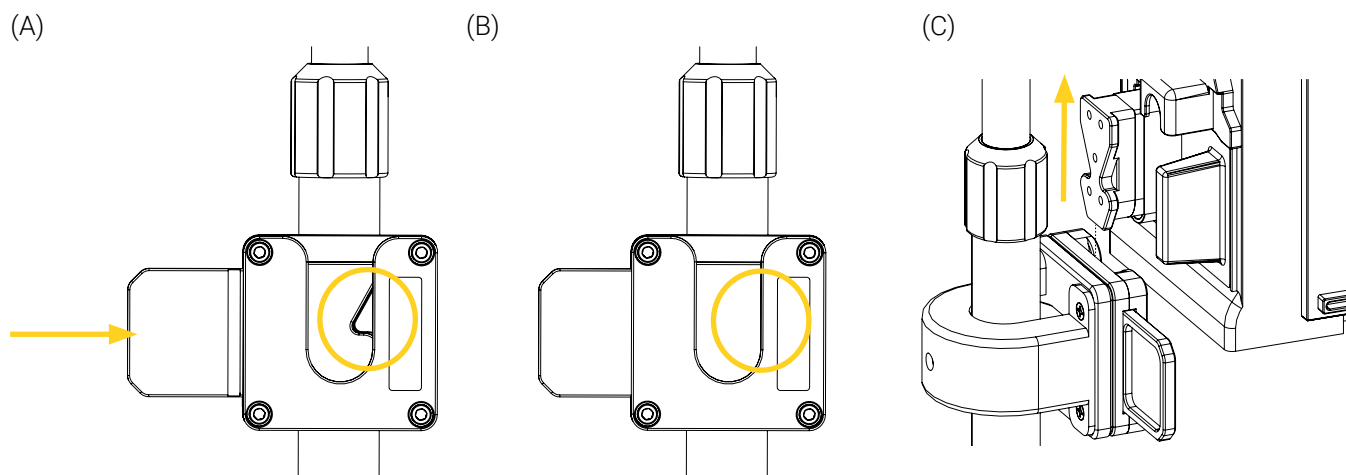


Figure 35: Deactivating the Flex Sequer assembly safety mechanisms – ContinuuMed RIV

7.2.7. Tighten the IV Pole Collar

The twist lock safety mechanism activates when the collar is turned clockwise. When turned, the collar tightens on the adjustable segment of the IV pole and secures it in place (Figure 36).

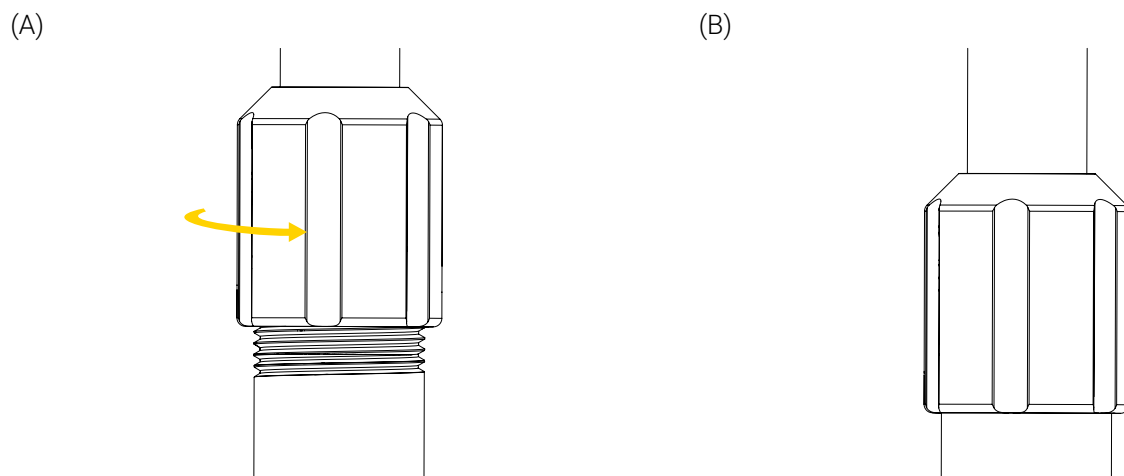


Figure 36: Activating the twist lock safety mechanism

7.2.8. Loosen the IV Pole Collar

The twist lock safety mechanism deactivates when the collar is turned counterclockwise. When turned, the collar loosens the adjustable segment of the IV pole and it can be raised or lowered (Figure 37).

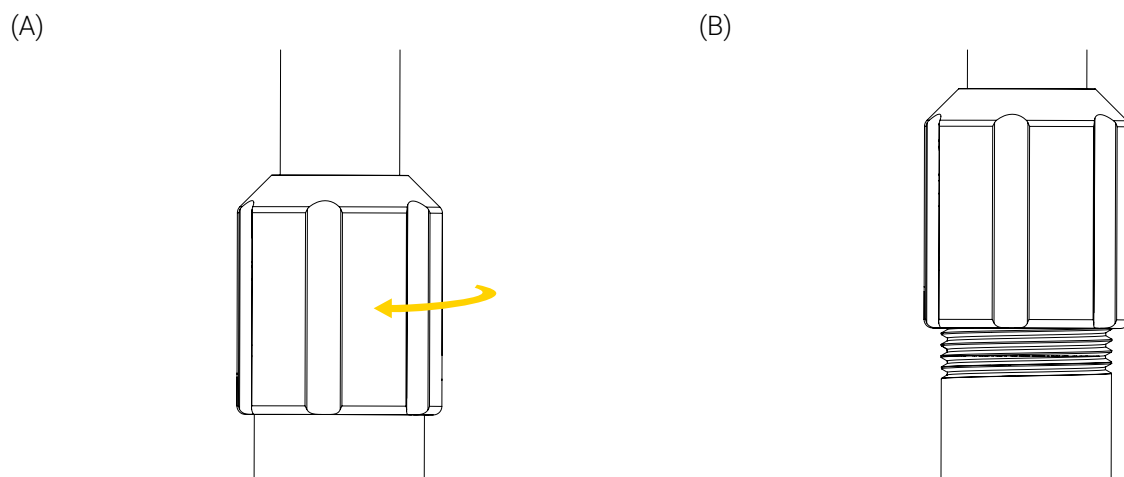


Figure 37: Deactivating the twist lock safety mechanism

7.3. PS5000 Clamp Block FQ

The PS5000 Clamp Block FQ was designed to install/remove medical devices on/from the drop-under side rails of the Techlem Premier Series 5000 stretcher. The mounting bracket of the medical device is secured in the Flex Sequer assembly located at the front of the clamp block.

7.3.1. Activate the Safety Mechanism of the Flex Sequer Assembly – PS5000 Clamp Block FQ

The safety mechanism activates when the mounting clip located behind the mounting bracket is inserted vertically in the Flex Sequer assembly. When the clip is pushed in, it slides on the latch (Figure 38A) until the locking mechanism inserts the cavity of the clip (Figure 38B). When the click sound is heard and the lock/unlock indicator located on the quick-release button of the Flex Sequer assembly is visible, the system is locked and the bracket is secured. Refer to the mounting bracket's and/or Flex Sequer assembly's User Manual(s) if needed.

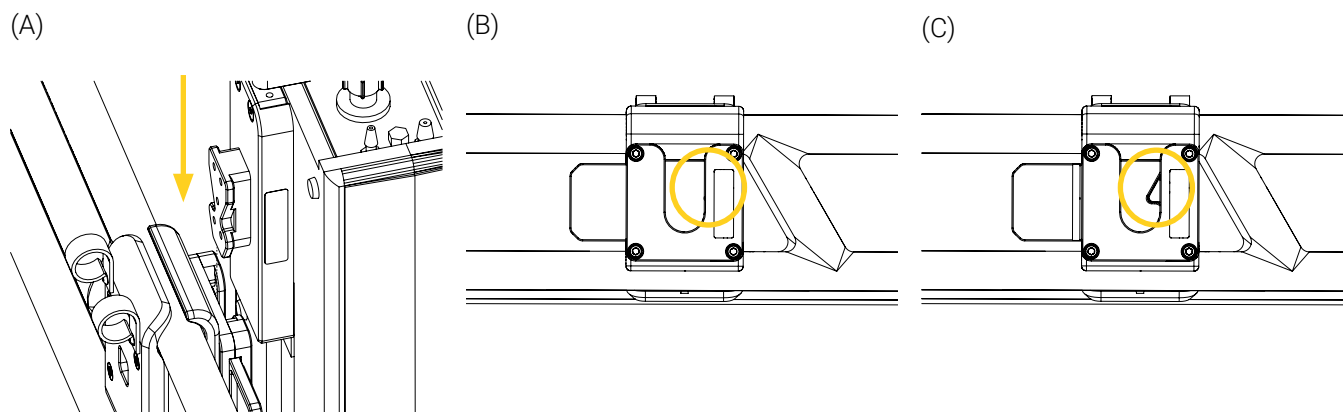


Figure 38: Activating the Flex Sequer assembly safety mechanism – PS5000 Clamp Block FQ

7.3.2. Deactivate the Safety Mechanism of the Flex Sequer Assembly – PS5000 Clamp Block FQ

The locking mechanism is deactivated when the quick-release button of the clamp block's Flex Sequer assembly is pressed. When pressed, the latch releases the clip of the mounting bracket (Figure 39) and the medical device can be removed vertically. Refer to the mounting bracket's and/or Flex Sequer assembly's User Manual(s) if needed.

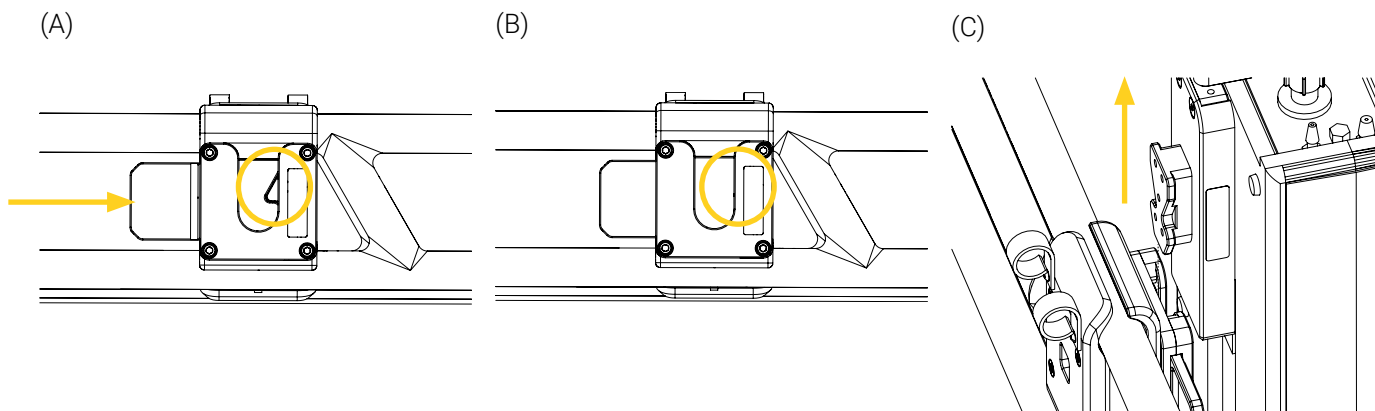


Figure 39: Deactivating the Flex Sequer assembly safety mechanism – PS5000 Clamp Block FQ

7.4. Cylinder Harness – PS5 Safety Mechanism

The Cylinder Harness – PS5 was designed to secure type E/M24 gas cylinders at an angle in the integrated oxygen tank holder of the Techlem Premier Series 5000 stretcher. An adjustable strap and slide buckle is used to secure/release the gas cylinder in/from the oxygen bottle holder.

7.4.1. Activate the Safety Mechanism of the Adjustable Strap

The gas cylinder is secured, when the strap is threaded under and over the middle bar of the slide buckle, then pulled tightly over the cylinder (Figure 40). The buckle's grip stops the slippage of the strap.

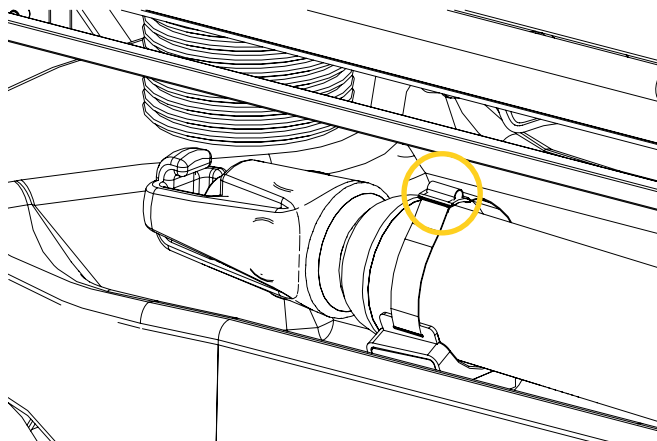


Figure 40: Activating the slide buckle safety mechanism

7.4.2. Deactivate the Safety Mechanism of the Adjustable Strap

The gas cylinder is not secured, when the strap is loosened and/or unthreaded from the slide buckle (Figure 41).

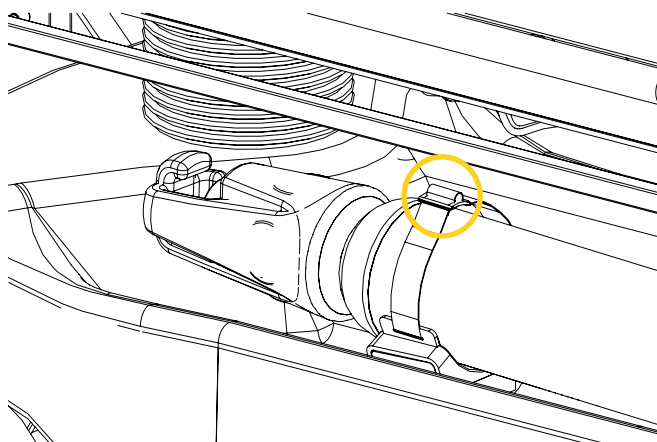


Figure 41: Deactivating the slide buckle safety mechanism

8. Operate the ContinuuMed – C1



The content in this section is intended for personnel who have a competent, proficient, advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

NOTE : The illustrations herein are for user-comprehension purposes and may differ from your actual configuration. The instructions apply to any compatible mounting system, mounting bracket and medical device. Refer to their user documentation for the safety guidelines and safe use, if needed.

8.1. Install the Medical Device in the Standard Surface Base/Micro Base

1. Align and insert the standard bottom disc/micro disc of the medical device's mounting bracket in the Standard Surface Base/Micro Base horizontally until you hear the click sound (Figure 42). Refer to the « Activate the Safety Mechanism of the Standard Surface Base/Micro Base » section on page 33 and the Standard Surface Base/Micro Base's User Manual if needed.

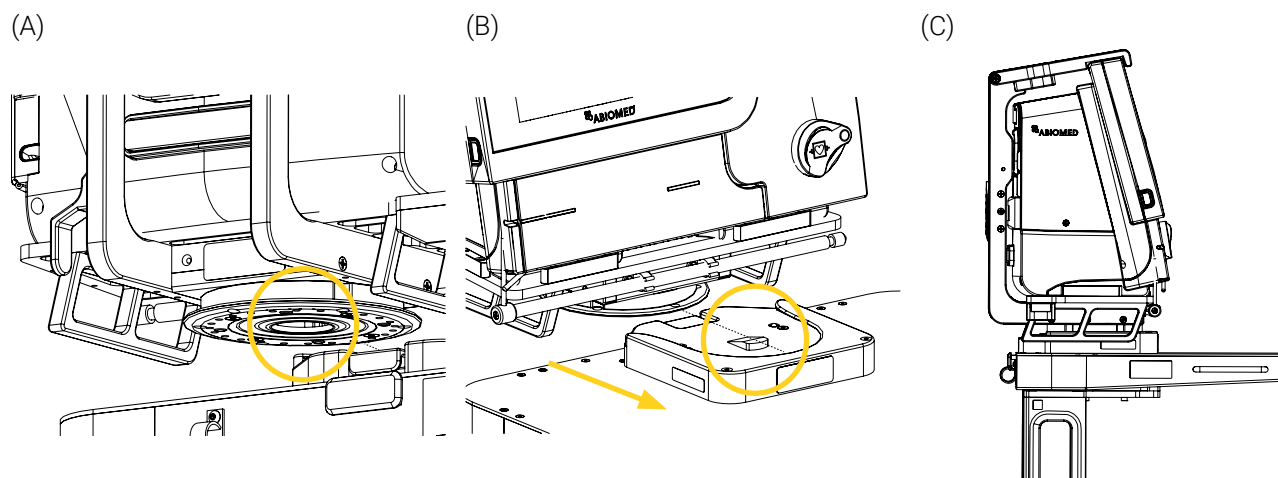


Figure 42: Installing the medical device in the Standard Surface Base/Micro Base

2. Move the medical device back and forth and from side to side a few times to ensure it is locked and secured on the base. If the medical device stays in the base after the verification, it is locked and secured.

3. Turn the medical device up to 360° clockwise or counterclockwise to the desired position (Figure 43).

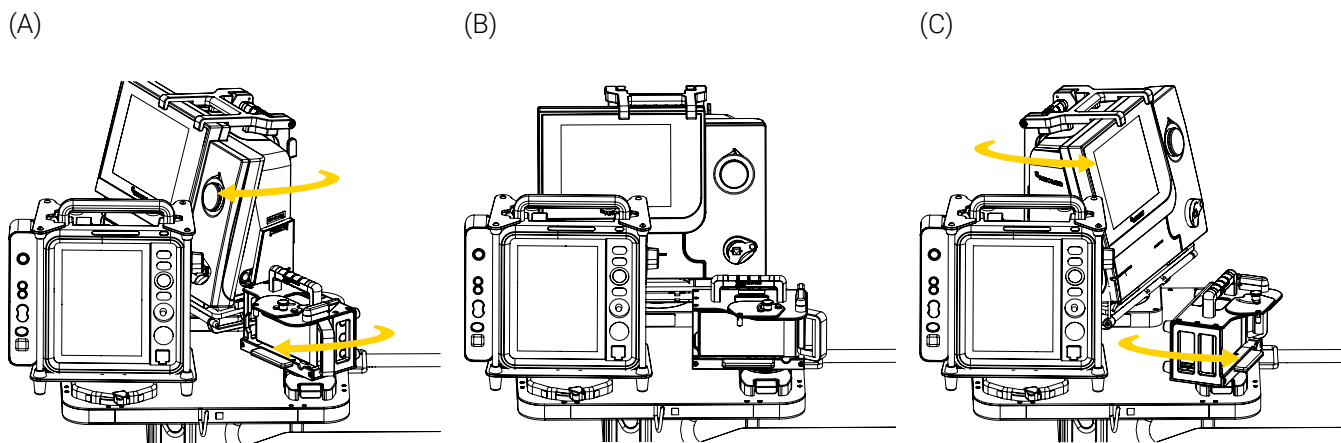


Figure 43: Rotating the medical devices

The installation of the medical device in the Standard Surface Base/Micro Base is complete.

8.2. Remove the Medical Device from the Standard Surface Base/Micro Base

1. Press and hold the quick-release button located at the front of the Standard Surface Base/Micro Base, pull on the medical device horizontally out of the base (Figure 44), then release the quick-release button. Refer to the « Deactivate the Safety Mechanism of the Standard Surface Base/Micro Base » section on page 34 and the Standard Surface Base/Micro Base's User Manual if needed.

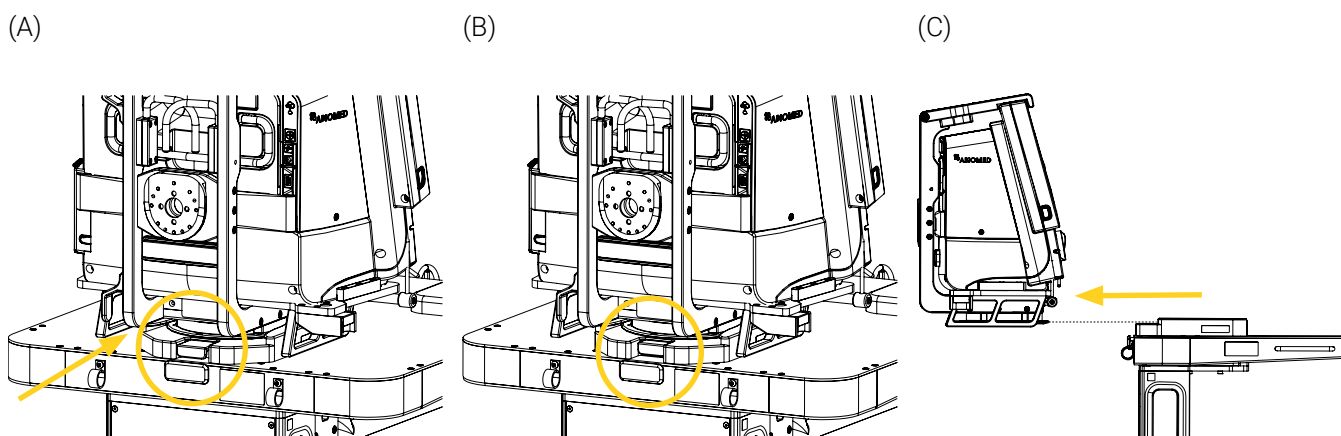


Figure 44: Removing the medical device from the Standard Surface Base/Micro Base

2. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the medical device from the Standard Surface Base/Micro Base is complete.

8.3. Install the Medical Device in the Universal Mounting Base

1. Align and insert the locking disc of the Universal Mounting Base in the mounting bracket vertically (Figure 45A).
2. Slide the locking lever (Figure 45B) towards the right in the locked position  (Figure 45C). Refer to the « Activate the Safety Mechanism of the Universal Mounting Base » section on page 35 and the Universal Mounting Base's User Manual if needed.

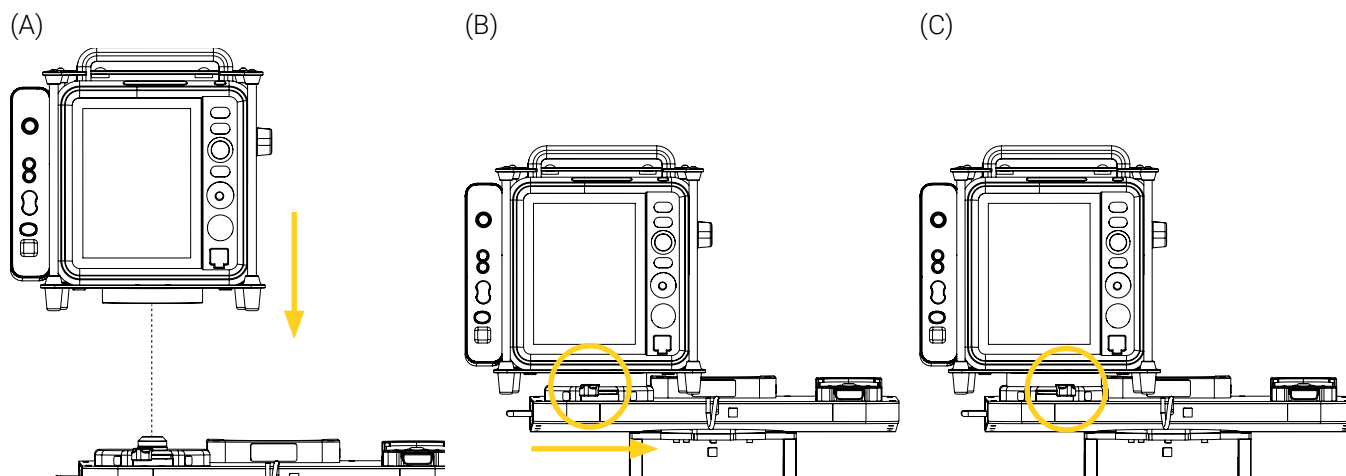


Figure 45: Installing the medical device in the Universal Mounting Base

3. Move the medical device up and down and from side to side a few times to ensure it is locked and secured on the base. If the medical device stays in the base after the verification, it is locked and secured.
4. Turn the medical device up to 360° clockwise or counterclockwise to the desired position (Figure 46).

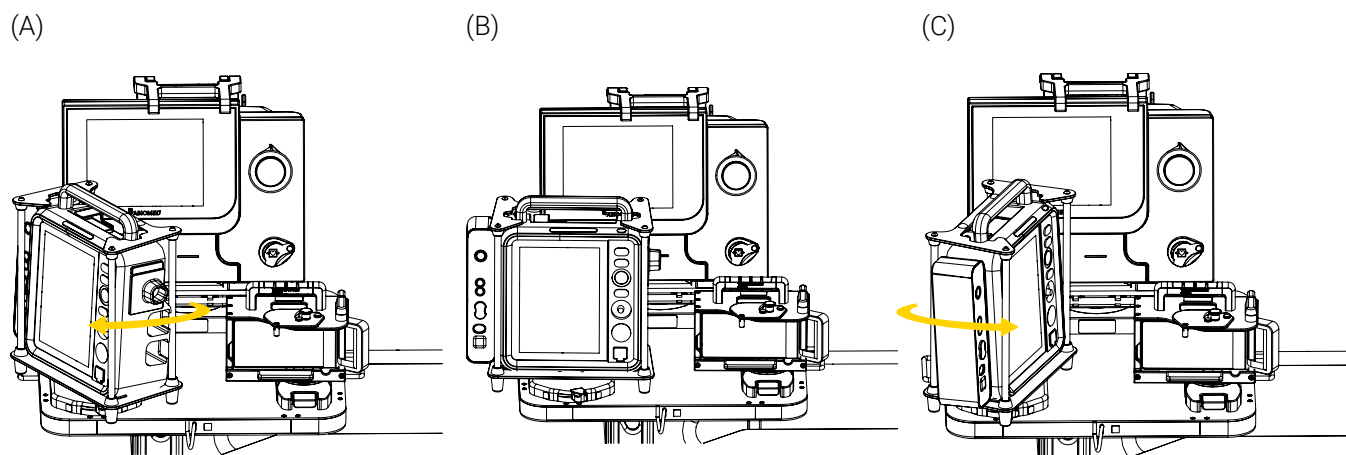


Figure 46: Rotating the medical device

The installation of the medical device in the Universal Mounting Base is complete.

8.4. Remove the Medical Device from the Universal Mounting Base

1. Slide the locking lever located at the front of the Universal Mounting Base towards the left in the locked position , then lift the medical device vertically to remove it (Figure 47). Refer to the « Deactivate the Safety Mechanism of the Universal Mounting Base » section on page 36 and the Universal Mounting Base's User Manual if needed.

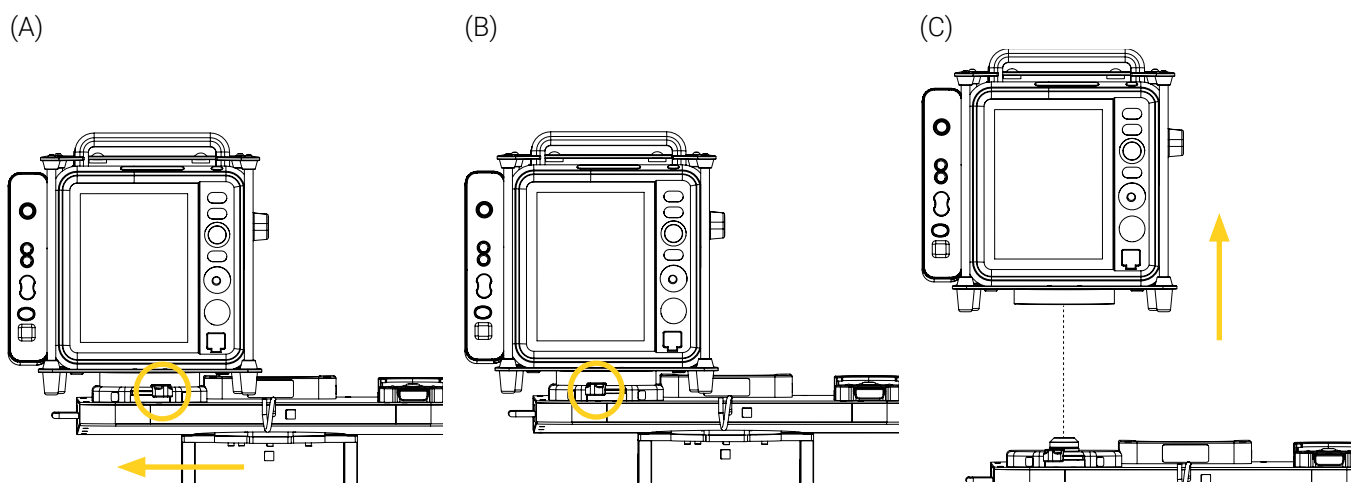


Figure 47: Removing the medical device from the Universal Mounting Base

2. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the medical device from the Universal Mounting Base is complete.

8.5. Install the Medical Device in the Flex Sequor Assemblies

NOTE : Although the PS5000 Clamp Block FQ is illustrated here for user-comprehension, the following procedure applies to all Flex Sequor assemblies installed on the ContinuuMed – C1 (the two (2) clamp blocks, two (2) collar-mounted Flex Sequor assemblies and the rail-mounted Flex Sequor assembly), as well as to the compatible mounting brackets. Refer to the « Safety Mechanism » section on page 32 and to the « Technical Specifications » section on page 22 if needed.

1. Align and insert the mounting clip located behind the medical device's mounting bracket in the Flex Sequor assembly vertically and press down until it locks (Figure 48).

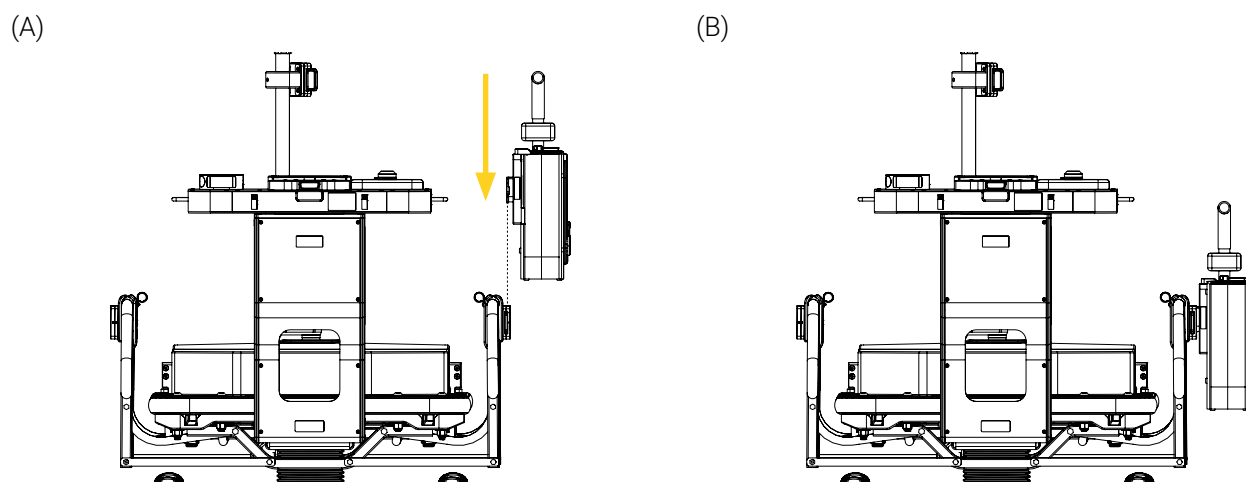


Figure 48: Installing the medical device in the Flex Sequor assembly

2. Move the medical device up and down and from side to side a few times to ensure it is locked and secured in the Flex Sequor assembly. If the medical device stays in the mounting system after the verification, it is locked and secured.

The installation of the medical device in the Flex Sequor assemblies is complete.

8.6. Remove the Medical Device from the Flex Sequor Assemblies

NOTE : Although the PS5000 Clamp Block FQ is illustrated here for user-comprehension, the following procedure applies to all Flex Sequor assemblies installed on the ContinuumMed – C1 (the two (2) clamp blocks, two (2) collar-mounted Flex Sequor assemblies and the rail-mounted Flex Sequor assembly), as well as to the compatible mounting brackets. Refer to the « Safety Mechanism » section on page 32 and to the « Technical Specifications » section on page 22 if needed.

1. Press and hold the quick-release button of the Flex Sequor assembly (Figure 49A), then pull the medical device out of the mounting system vertically (Figure 49B).

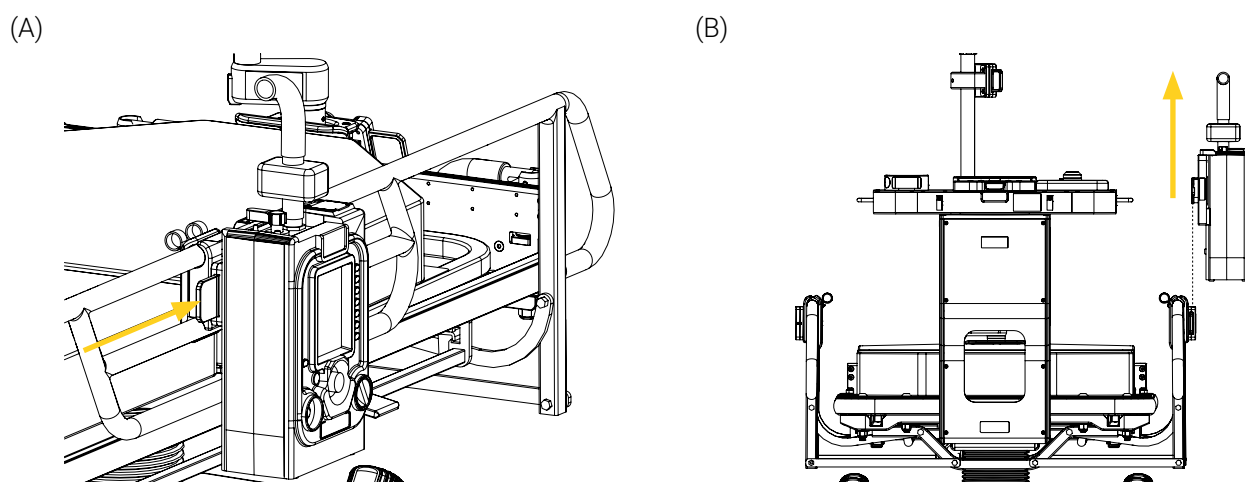


Figure 49: Removing the medical device from the Flex Sequor assembly

2. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the medical device from the Flex Sequor assemblies is complete.

8.7. Adjust the Pivoting Mounting Table

1. Press and hold the quick-release button located on the back edge of the mounting table, then turn the table top 90° clockwise or counterclockwise using the handle (Figure 50). Refer to the « Activate the Safety Mechanism of the Pivoting Mounting Table » section on page 32 and « Deactivate the Safety Mechanism of the Pivoting Mounting Table » section on page 33 if needed.
2. Release the quick-release button midway, then push the table until you hear the click sound and the table is locked (Figure 50).

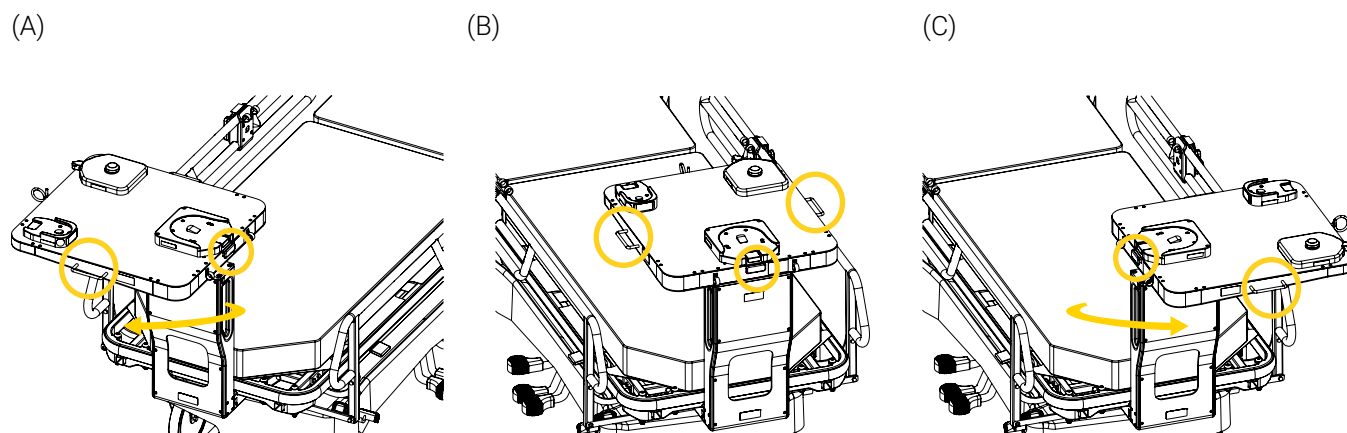


Figure 50: Rotating the medical device

3. Move the mounting table back and forth a few times to ensure it is locked and secured. If the table does not move after the verification, it is locked and secured.

The adjustment of the pivoting mounting table is complete.

8.8. Adjust the Height of the IV Pole

1. Hold the adjustable segment of the IV pole with one hand and turn the collar counterclockwise with the other to loosen the pole holder (Figure 51A). Refer to the « Loosen the IV Pole Collar » section on page 40 and « Tighten the IV Pole Collar » section on page 40 if needed.
2. Lower (Figure 51) or raise (Figure 52) the pole, then turn the collar clockwise to tighten and secure the pole in place.

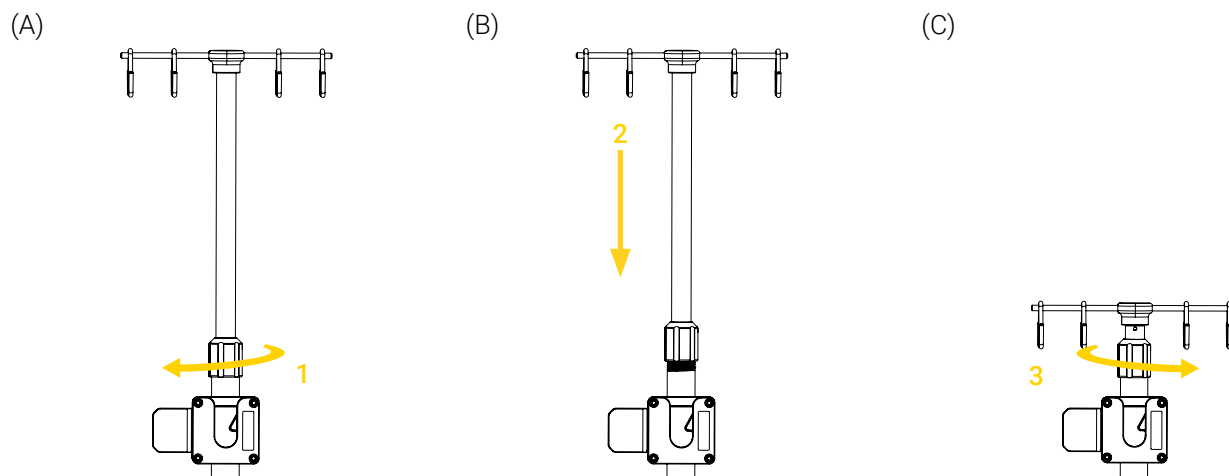


Figure 51: Lowering the height of the IV pole

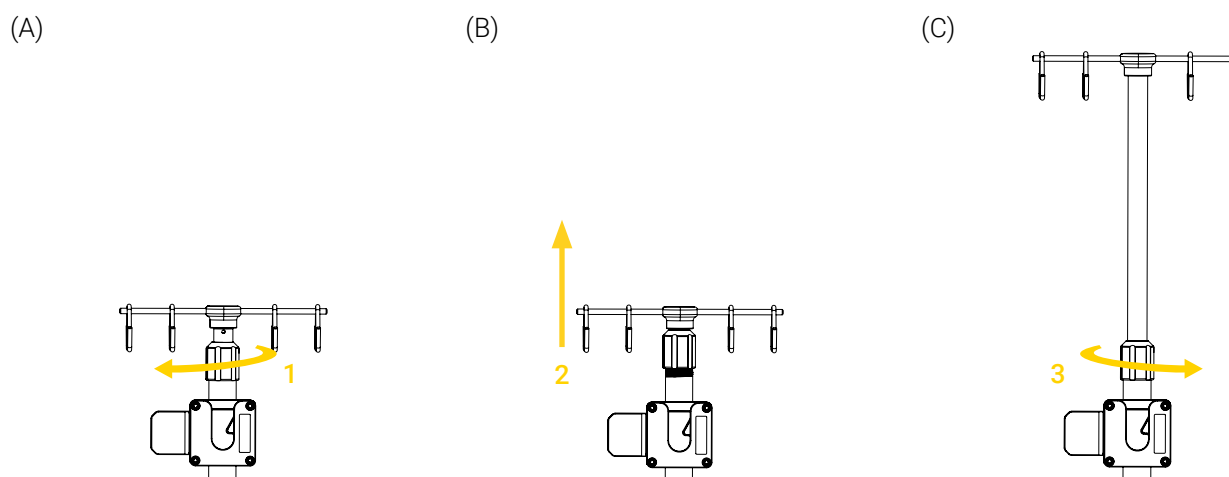


Figure 52: Raising the height of the IV pole

3. Move the adjustable segment of the IV pole up and down a few times to ensure it is locked and secured. If the pole does not move after the verification, it is locked and secured.

The height adjustment of the IV pole is complete.

8.9. Rotate the IV Pole

1. Press and hold the quick-release button located on the end of the swivel elbow (Figure 53). Refer to the « Activate the Locking Joint Mechanism » section on page 38 and « Deactivate the Locking Joint Mechanism » section on page 38 if needed.
2. Turn the IV pole clockwise or counterclockwise up to 180 until it has reached the desired position, release the button, then slightly turn the IV pole until you hear the click sound and the locking system has engaged (Figure 53).

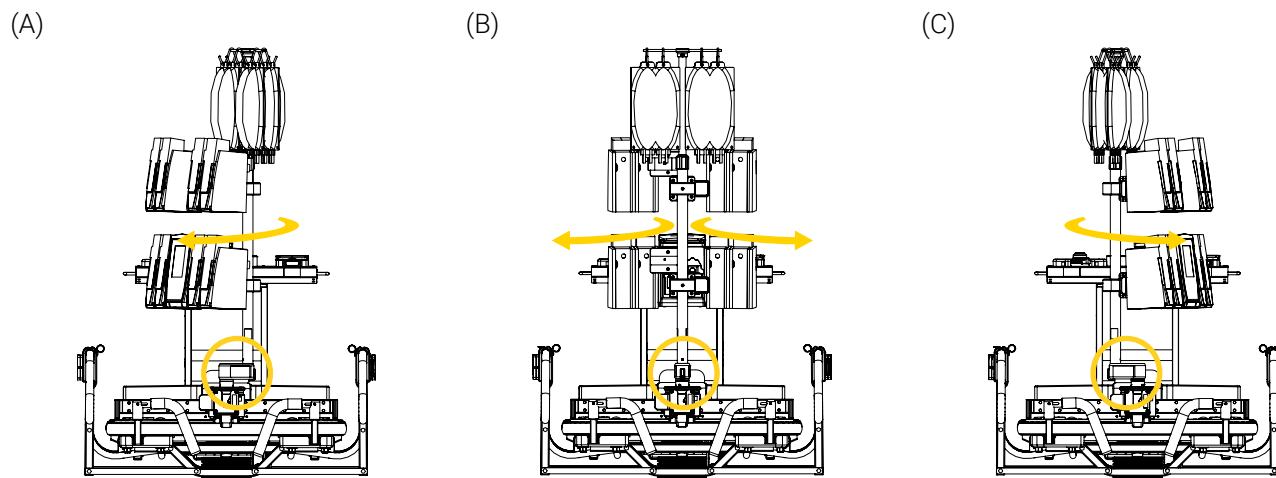


Figure 53: Rotating the IV pole

3. Move the IV pole back and forth a few times to ensure it is locked and secured. If the pole does not move after the verification, it is locked and secured.

The rotation of the IV pole is complete.

8.10. Move the IV Pole from Side-to-Side on the Rail

1. Lift the quick-release handle located on top of the sliding block, then move the IV pole left or right until you hear the click sound and the locking system has engaged (Figure 54). Refer to the « Activate the Linear Gliding System » section on page 37 and « Deactivate the Linear Gliding System » section on page 37 if needed.

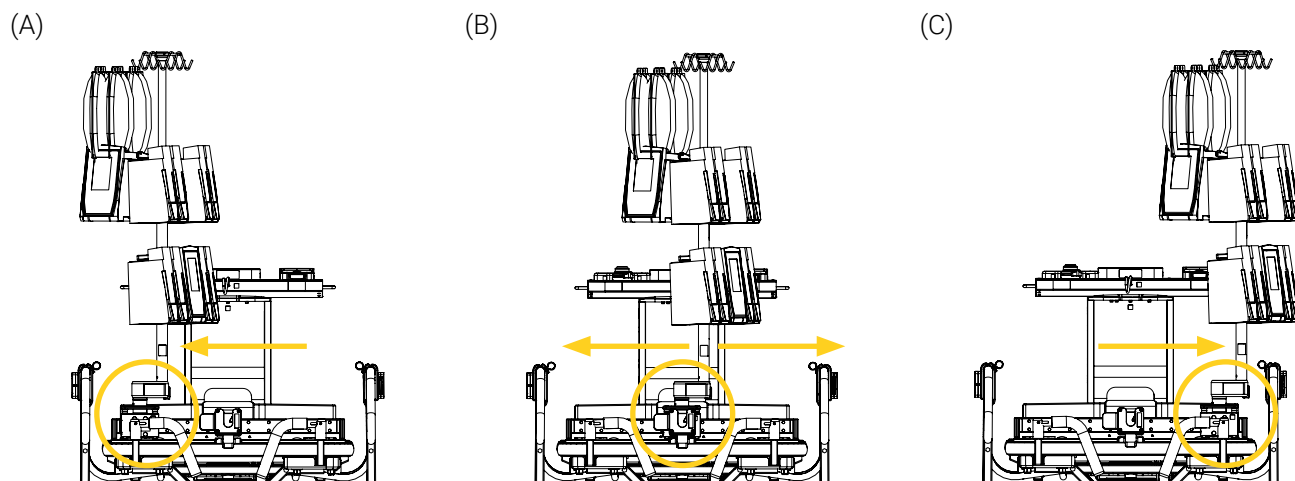


Figure 54: Moving the IV pole from side-to-side on the rail

2. Move the IV pole from side-to-side a few times to ensure it is locked and secured. If the pole does not move after the verification, it is locked and secured.

Movement of the IV pole from side-to-side on the rail is complete.

8.11. Install the IV Bags on the IV Pole Hooks

1. Insert the pre-cut hanger of the IV bag on a hook and let the bag hang (Figure 55A and Figure 55B). Refer to the manufacturer's Use Manual and to your established internal protocols if needed.
2. Repeat to install up to eight (8) IV bag. Hang the IV bag(s) on/from the hook(s) of the IV pole (Figure 55C).

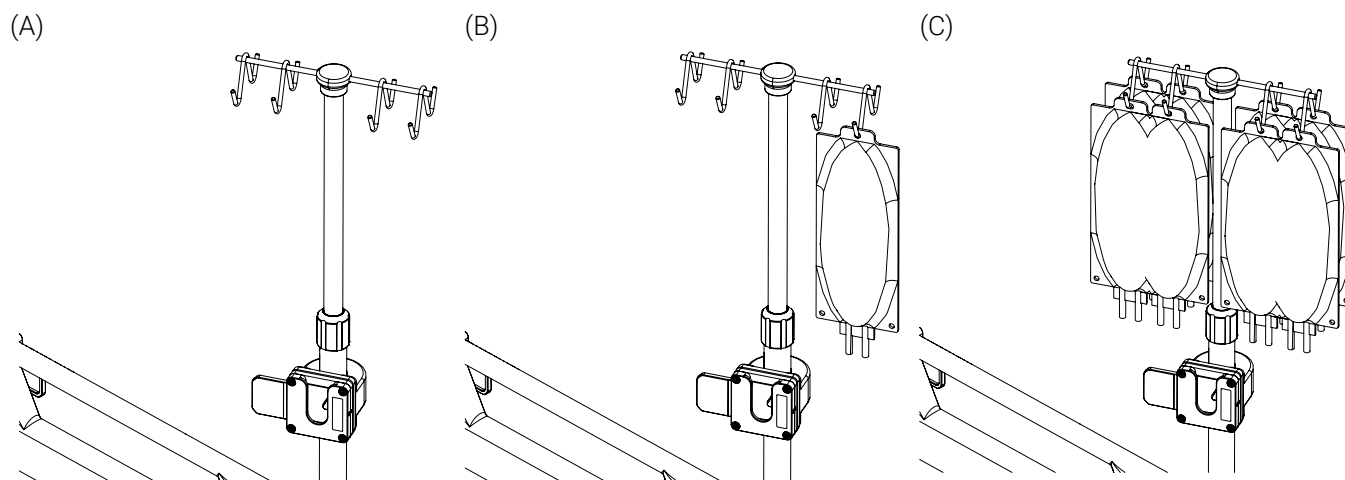


Figure 55: Installing the IV bag(s) on the hook(s) of the IV pole

The installation of the IV bag(s) on the hook(s) of the IV pole is complete.

8.12. Remove the IV Bags from the IV Pole Hooks

1. Lift and remove the IV bag(s) from hook (Figure 56). Refer to the manufacturer's Use Manual and to your established internal protocols if needed.

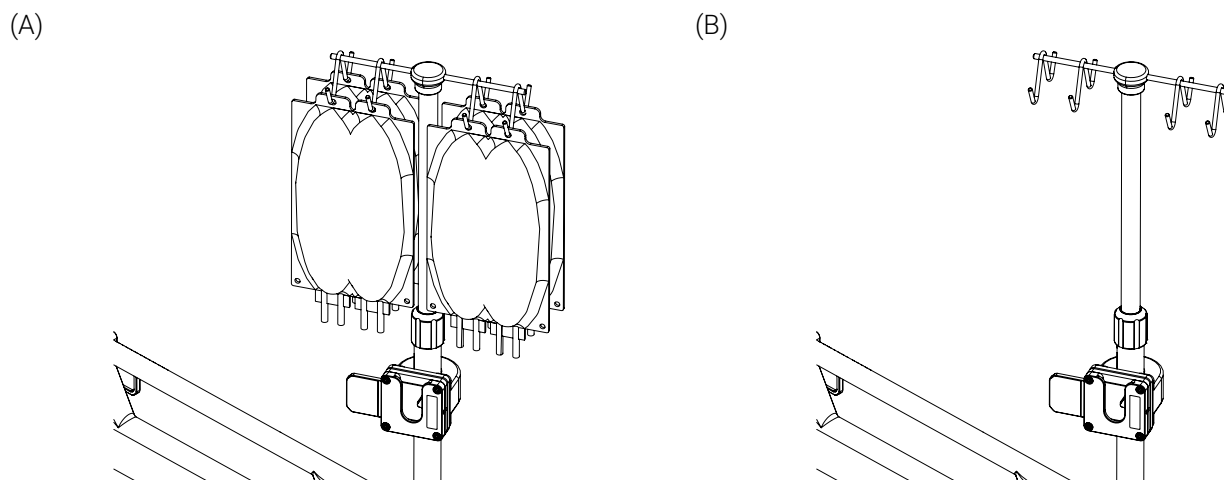


Figure 56: Removing the IV bag(s) from the hook(s) of the IV pole

2. Set the bag(s) aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the IV bag(s) from the hook(s) of the IV pole is complete.

8.13. Install the O2 Gas Cylinder in the Cylinder Harness – PS5

1. Place the gas cylinder horizontally in the Cylinder Harness – PS5.

NOTE : In the correct orientation, the gas cylinder is positioned at a slant with the pressure gauge higher than the tank.

2. Pass the strap from underneath through the slide buckle frame, flip it over the middle bar, then back underneath again.
3. Pull the strap until it is tight around the O2 gas cylinder (Figure 57). Refer to the « Activate the Safety Mechanism of the Adjustable Strap » section on page 42 if needed.

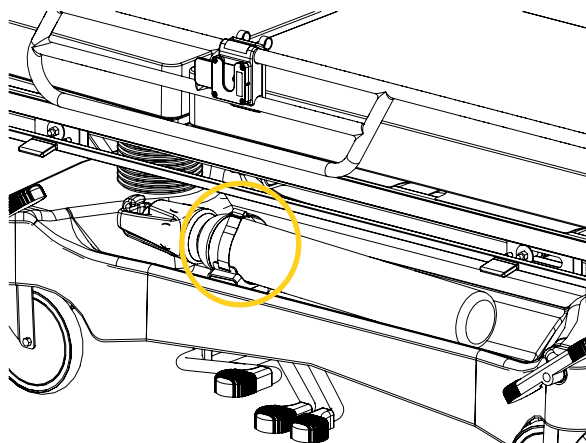


Figure 57: Installing the O2 gas cylinder in the Cylinder Harness – PS5

4. Move the O2 gas cylinder from side to side to ensure that it is properly secured in the Cylinder Harness – PS5. If the cylinder does not move and the strap does not slip through the slide buckle after the verification, the gas cylinder is properly secured in the holder.

The installation of the O2 gas cylinder in the Cylinder Harness – PS5 is complete.

8.14. Remove the O2 Gas Cylinder from the Cylinder Harness – PS5

1. Pull on and pass the strap from over the middle bar of the slide buckle, flip it underneath then bar, then pull it out from the buckle frame. Refer to the « Deactivate the Safety Mechanism of the Adjustable Strap » section on page 42 if needed.
2. Lift and remove the gas cylinder from the Cylinder Harness – PS5 horizontally (Figure 58).

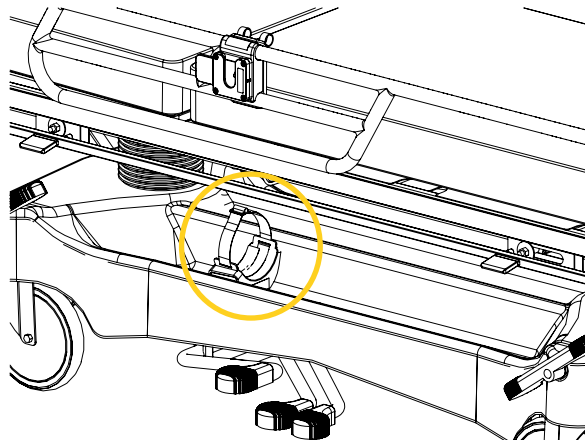


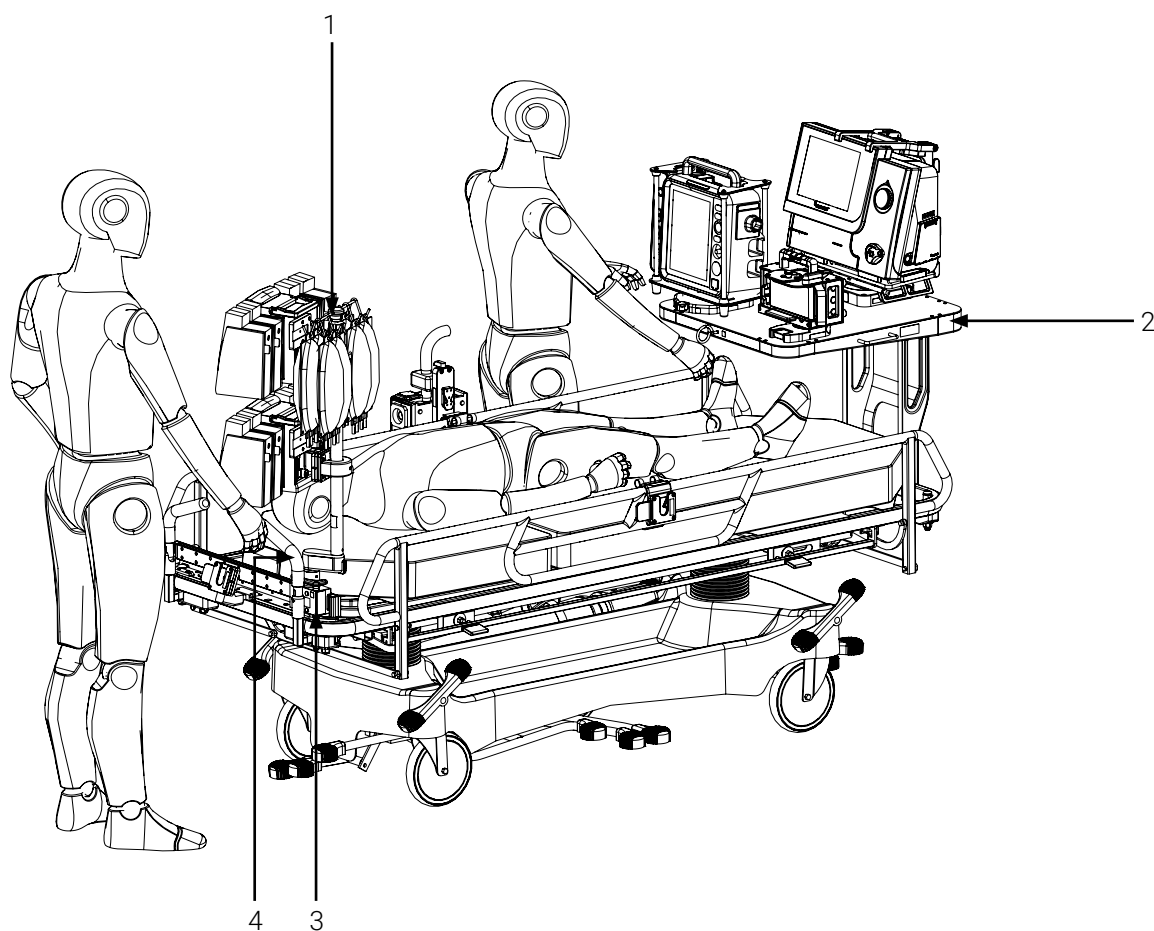
Figure 58: Removing the O2 gas cylinder from the Cylinder Harness – PS5

3. Set the O2 gas cylinder aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the O2 gas cylinder from the Cylinder Harness – PS5 is complete.

8.15. Adjust the ContinuuMed – C1 for Transport

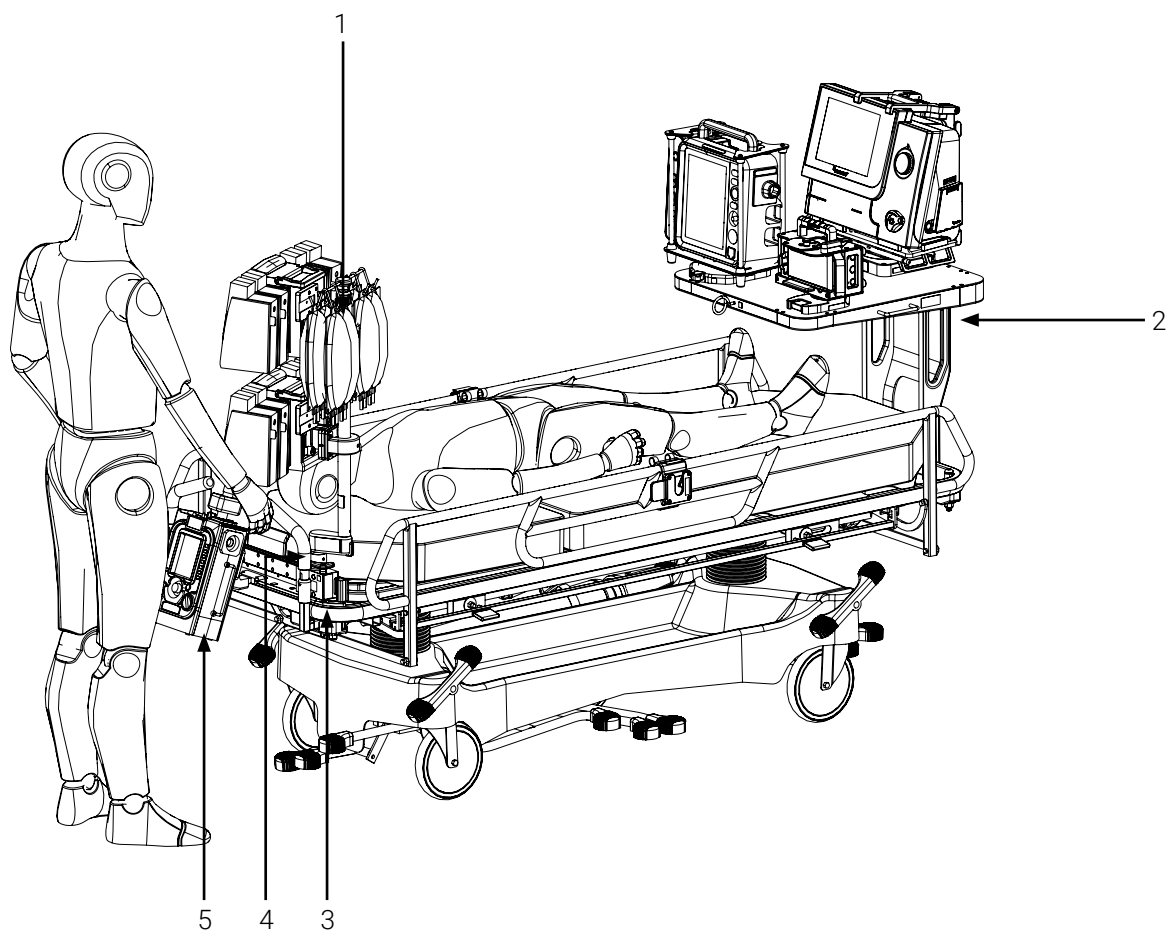
1. Turn pivoting mounting table forward (Figure 59). Refer to the « Adjust the Pivoting Mounting Table » section on page 49 if needed.
2. Move to rail-mounted IV pole towards the right (Figure 59). Refer to the « Move the IV Pole from Side-to-Side on the Rail » section on page 52 if needed.
3. Lower the IV pole (Figure 59). Refer to the « Adjust the Height of the IV Pole » section on page 50 if needed.
4. Lift the push/pull handles of the stretcher and remove the brakes. Refer to the Techlem Premier Series 5000 stretcher user documentation if needed.



- | | |
|---|---|
| 1. IV pole lowered | 3. Rail-mounted IV pole push to the right |
| 2. Pivoting mounting table turned towards the front | 4. Push/pull handles lifted |

Figure 59: Adjusting the ContinuuMed – C1 for transport

5. In narrow spaces such as elevators, remove the medical device from the PS5000 Clamp Block FQ located on the side rail of the stretcher and install it on Flex Sequor assembly the located in front of the rail at patient head end of the stretcher (Figure 60). Refer to the « Remove the Medical Device from the Flex Sequor Assemblies » section on page 48 and to the « Install the Medical Device in the Flex Sequor Assemblies » section on page 47 if needed.



- | | |
|---|---|
| 1. IV pole lowered | 3. Rail-mounted IV pole push to the right |
| 2. Pivoting mounting table turned towards the front | 4. Push/pull handles lifted |
| | 5. Medical device moved at patient head end |

Figure 60: Adjusting the ContinuumMed – C1 for transport (narrow spaces)

6. Ensure that all the safety mechanisms have been verified before moving the stretcher. Refer to the « Safety Mechanism » section on page 32 if needed.

The adjustment of the ContinuumMed – C1 for transport is complete.

Annex I Skills Assessment of the Clinical Staff



The content in this section is intended for personnel who have a proficient level of competency. Refer to the « User Competency » section on page 7 if needed.

Following training, a skills assessment should be given to each member of the clinical personnel to ensure they have fully comprehended the labelling, warnings and cautions, potential risks, safe practices and proper operating procedures needed to safely and effectively use the ContinuuMed – C1. Consider adding the following to your internal training protocols.

Trainee name: _____

Unit: _____

Assessor name: _____

Date: _____

SKILLS ASSESSMENT

SKILL CRITERIA

PASSED

FAILED

Labelling

- Able to identify meaning and potential risks associated with the different safety labels:

- Manufacturing label (6X)

☐ ☐

- Safe Working Load (SWL; 6X)

☐ ☐

- Hand Crush/Pinch Point (7X)

☐ ☐

- Pivoting operation (2X; mounting table)

☐ ☐

- **Do not** use as a push bar

☐ ☐

- Translation operation (rail-mounted IV pole)

☐ ☐

- Vertical axis rotation operation (IV pole)

☐ ☐

Safety Measures

- Knows that **under no circumstances** should the ContinuuMed – C1 be installed on, connected to, or used in combination with any third party/competitor mounting system, mounting bracket, medical device, stretcher, or similar equipment.

☐ ☐

- Knows that the ContinuuMed – C1 was specifically engineered to be used with the Techlem Premier Series 5000 stretcher and that using any other stretcher may cause the equipment to fall, operate unpredictably, or fail.

☐ ☐

- Knows **not to put their hands/fingers** near the juncture between the table top and c-shaped base of the ContinuuMed PVT when moving the table from side to side and to always use the handles to adjust the orientation of the table top.

☐ ☐

SKILLS ASSESSMENT		
SKILL CRITERIA	PASSED	FAILED
- Knows not to put their hands/fingers near the rail of the ContinuuMed RIV when moving the IV pole from side to side and to always use the pole to adjusting its position. Refer to the « Safety Labels » section on page 12 if needed.	☐	☐
- Knows not to put their hands/fingers between the c-shaped base of the ContinuuMed RIV and the stretcher bed.	☐	☐
- Knows not to use the ContinuuMed – C1 for air and/or ground emergency medical services and critical care transport.	☐	☐
- Knows not to use the ContinuuMed – C1 if there are any loose or missing screws.	☐	☐
- Knows to immediately stop using the ContinuuMed – C1 if any serious incident occurs and to inform authorized personnel.	☐	☐
- Knows not to push the stretcher using the IV pole and to always use the stretcher handles and/or rails.	☐	☐
- Knows not to walk backwards to transport the stretcher and to use the two (2)-person push/steer transport technique.	☐	☐
- Knows to transport the stretcher at the lowest possible height.	☐	☐
- Knows to always ensure that the mounting brackets and medical devices are secured on the mounting system before moving the stretcher.	☐	☐
- Knows to always wait until the ContinuuMed – C1 is immobilized before manipulating the pivoting mounting table, rail-mounted IV pole, mounting brackets and medical devices.	☐	☐
- Knows to always wait until the ContinuuMed – C1 is immobilized before manipulating the Cylinder Harness – PS5 and gas cylinder and to only use type E/M24 gas cylinders.	☐	☐
- Knows to always pay close attention not to wedge the power cords or tubing during the installation/removal of the mounting systems, mounting brackets, medical devices and/or accessories and when operating the ContinuuMed – C1.	☐	☐
- Knows to always pay close attention to the different safety mechanisms of the ContinuuMed – C1.	☐	☐
- Knows to always practice safely operating the ContinuuMed – C1 until the manipulations have been perfected, before use with patients and that improper use of the mounting solution may cause damage or the equipment to fall or operate unpredictably.	☐	☐
- Knows not to overload or exceed the total Safe Working Load (SWL) of the ContinuuMed – C1.	☐	☐

SKILLS ASSESSMENT		
SKILL CRITERIA	PASSED	FAILED
- Knows that the Safe Working Load (SWL) of the ContinuuMed – C1 does not override the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags for example.	☐	☐
- Knows to always refer to your established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the ContinuuMed – C1, mounting systems, mounting brackets, medical devices, accessories and stretcher.	☐	☐
Operation		
- Able to install/remove the medical devices in/from the Standard Surface Base, Micro Base and Universal Mounting Base.	☐	☐
- Able to install/remove the medical devices in/from the Flex Sequor assembly mounting systems.	☐	☐
- Able to adjust the pivoting mounting table.	☐	☐
- Able to adjust the height of the IV pole.	☐	☐
- Able to rotate the IV pole.	☐	☐
- Able to move the rail-mounted IV pole from side to side.	☐	☐
- Able to install/remove IV bags on/from the IV pole hooks.	☐	☐
- Able to install/remove the gas cylinder on the Cylinder Harness – PS5.	☐	☐
- Able to adjust the ContinuuMed – C1 for transport.	☐	☐

Annex II Unpack the ContinuuMed – C1



The content in this section is intended for personnel who have an advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

1. Inspect the shipping box(es) for signs of damage before accepting shipment. Take pictures and report them promptly if applicable.
2. Move the shipping box(es) to the location of the installation.
3. Open the shipping box(es).
4. Unpack the box(es) and ensure that all shipping and packaging materials have been properly removed, prior to installation.

NOTE : Keep all packaging material for future use.

5. Identify the items included in the shipping boxes, then set them aside. Refer to the « Install the ContinuuMed – C1 » section on page 62 for the required parts.
6. Inspect the items for signs of damage. Take pictures and report them promptly if applicable.

Annex III Install the ContinuuMed – C1



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

Estimated Installation Time

2-4 hours

Required Assemblies

- ContinuuMed PVT – CMD-00-TCPS-PVT
- ContinuuMed RIV – CMD-00-TCPS-RIV
- PS5000 Clamp Block FQ – 3420-10-TCPS-FQ-S (2X)
- Cylinder Harness – PS5 – OXY-00-TCPS

Customer-Provided Tools

- 4 mm hex key
- 5 mm hex key
- $\frac{7}{64}$ in. hex key
- $\frac{5}{16}$ in. hex key
- $\frac{1}{8}$ in. hex key
- $\frac{1}{2}$ in. wrench
- Philips screwdriver #2
- Medium strength thread lock adhesive ()
- Clean dry cloth
- Isopropyl alcohol

Prepare the Stretcher

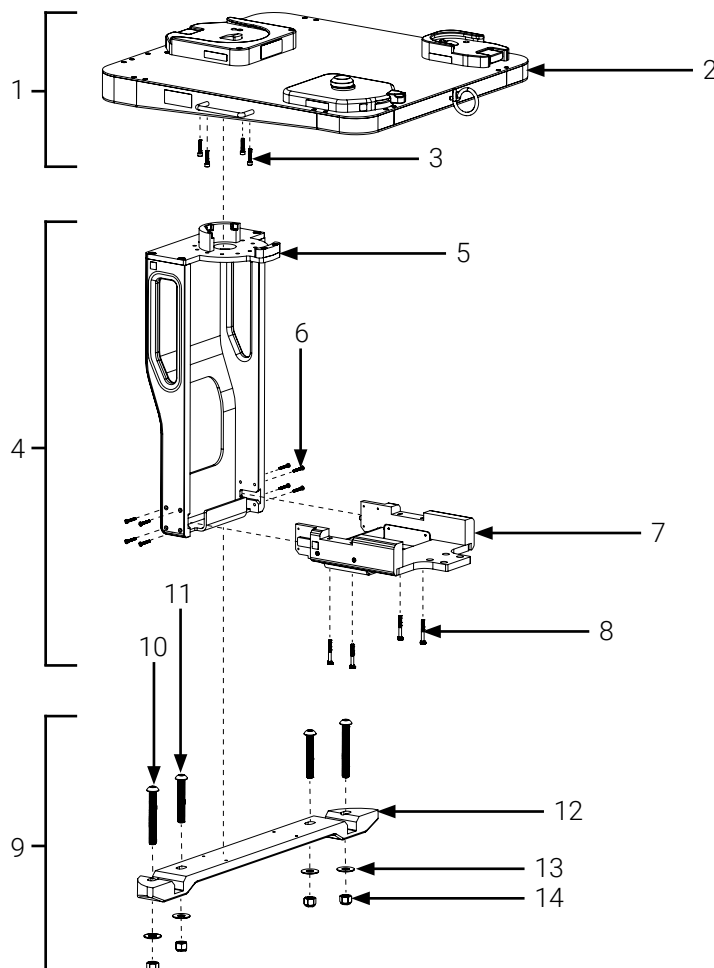
NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

1. Apply the brakes of the stretcher and remove the mattress to facilitate the installation manoeuvres.
2. Lower the push/pull handles of the stretcher to facilitate the installation manoeuvres.

The stretcher is prepared for the installation of the ContinuuMed – C1 components.

Install the ContinuuMed PVT at Patient Foot End of the Stretcher

1. Identify the ContinuuMed PVT assembly parts (Figure 61).



- | | |
|---|---|
| 1. Table top assembly | 9. Support structure assembly |
| 2. Table top | 10. 1/2 in.-13 thread size, 4 in. L SS button head screw (2X) |
| 3. M5 0.8 mm X 25 mm L socket head screw (4X) | 11. 1/2 in.-13 thread size, 3 1/2 in. L SS button head screw (2X) |
| 4. C-shaped base assembly | 12. Support structure |
| 5. Column | 13. 1/2 in. ID X 1 1/4 in. OD washer (4X) |
| 6. 6-32 X 1 1/8 in. L hex head screw (8X) | 14. 1/2 in. ID X 1 1/4 in. OD lock nut (4X) |
| 7. Column base | |
| 8. M5 0.5 mm X 405 mm L hex head screw (4X) | |

Figure 61: ContinuuMed PVT assembly parts

2. Place the support structure under the stretcher frame, then partially tighten two (2) ½ in. –13 thread size, 4 in. L SS button head screws and two (2) ½ in. –13 thread size, 3½ in. L SS button head screws coated in medium strength thread-lock adhesive, four ½ in. ID X 1¼ in. OD washers and four (4) ½ in. ID X 1¼ in. OD lock nuts by hand in a cross-pattern before tightening using a ½ in. wrench and a ⅝ in. hex key (Figure 62).

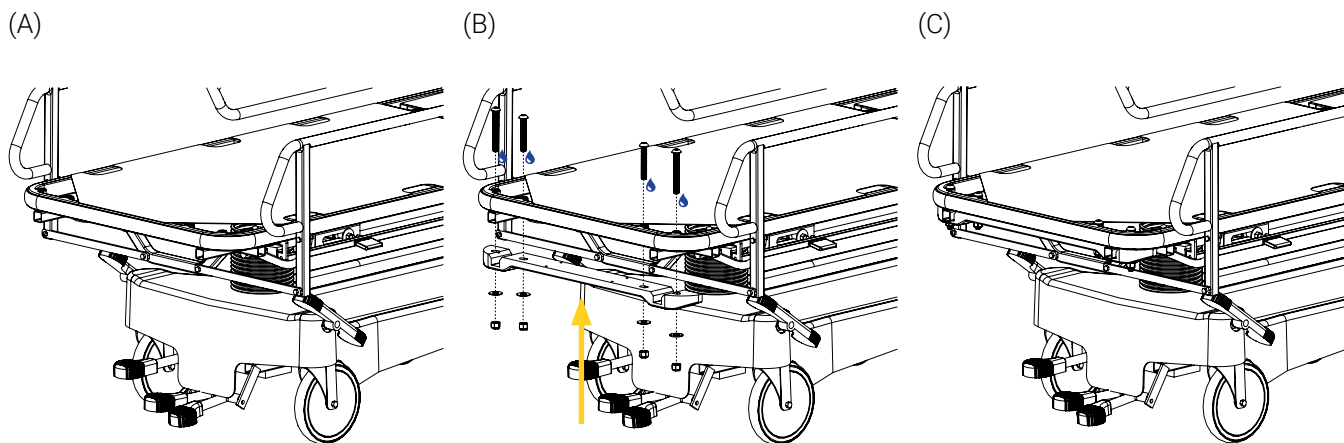


Figure 62: Installing the support structure

3. Move the support structure back and forth and from side to side a few times to ensure it is properly secured on the stretcher frame, that it is aligned with the frame and that there are no gaps.
4. Place the column base under the support structure, then partially tighten four (4) by hand in a cross-pattern, then tighten four (4) M5 0.5 mm X 405 mm L hex head screws coated in medium strength thread-lock adhesive by hand before tightening using a 4 mm hex key (Figure 63).

NOTE : In the correct orientation, the cable management basket is facing patient foot end.

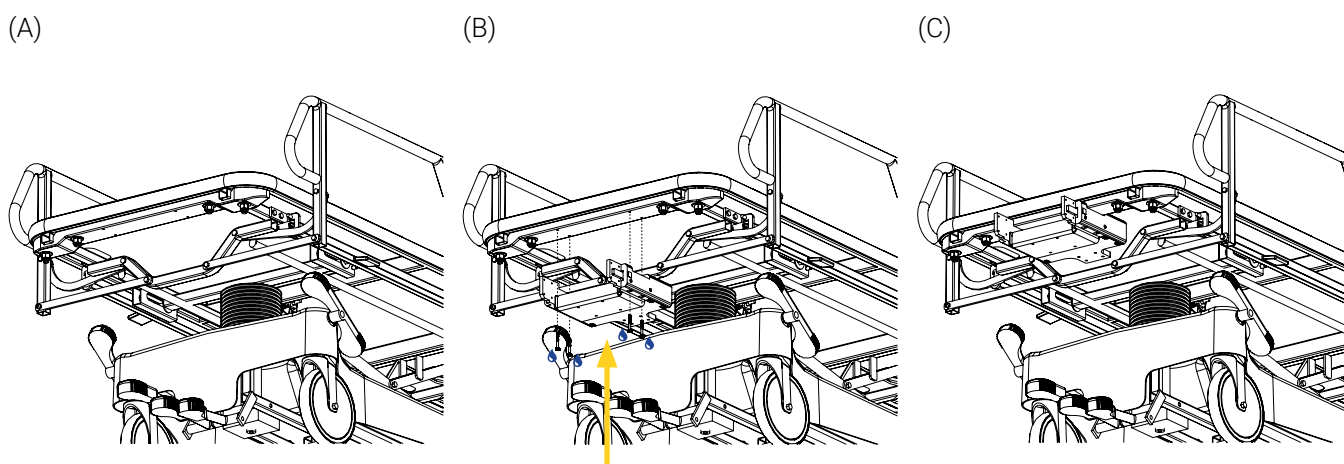


Figure 63: Installing the column base

5. Move the column base back and forth and from side to side a few times to ensure it is properly secured on the support structure and that it is installed in the correct orientation.
6. Slide the column on the column base horizontally, then tighten eight (8) 6-32 X 1¹/₈ in. L hex head screws coated in medium strength thread-lock adhesive by hand in a cross-pattern before tightening using a ⁷/₆₄ in. hex key (Figure 64).

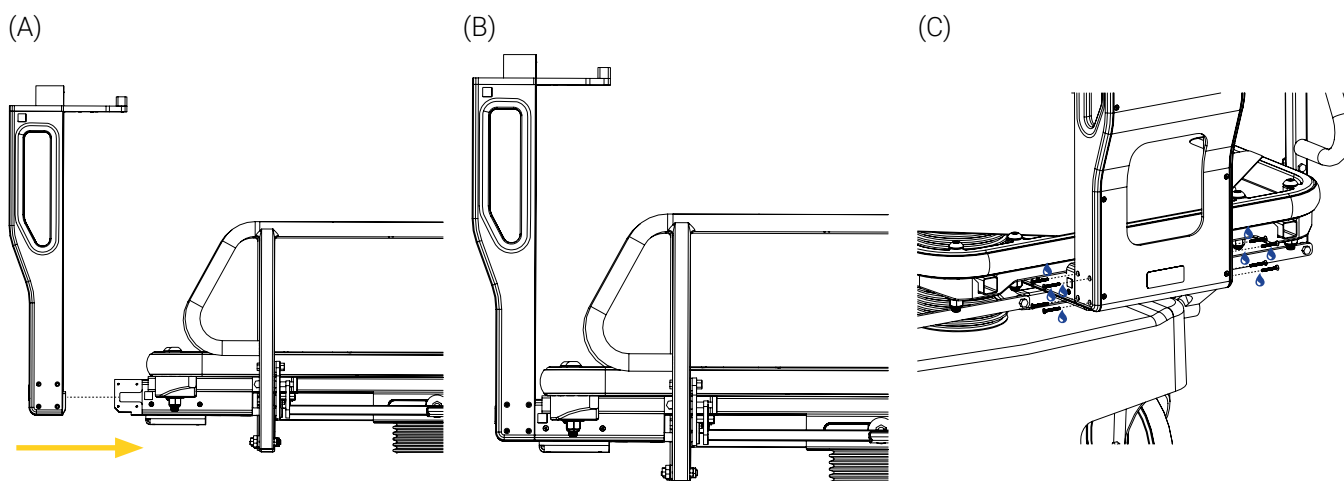


Figure 64: Installing the column

7. Move the column back and forth and from side to side a few times to ensure it is properly secured on the column base and that there are no gaps.
8. Place the table top on the column, then partially tighten four (4) M5 0.8 mm X 25 mm L socket head screws coated in medium strength thread-lock adhesive by hand in a cross-pattern before tightening using a 4 mm hex key (Figure 65).

NOTE : In the correct orientation, the quick-release button is facing patient foot end.

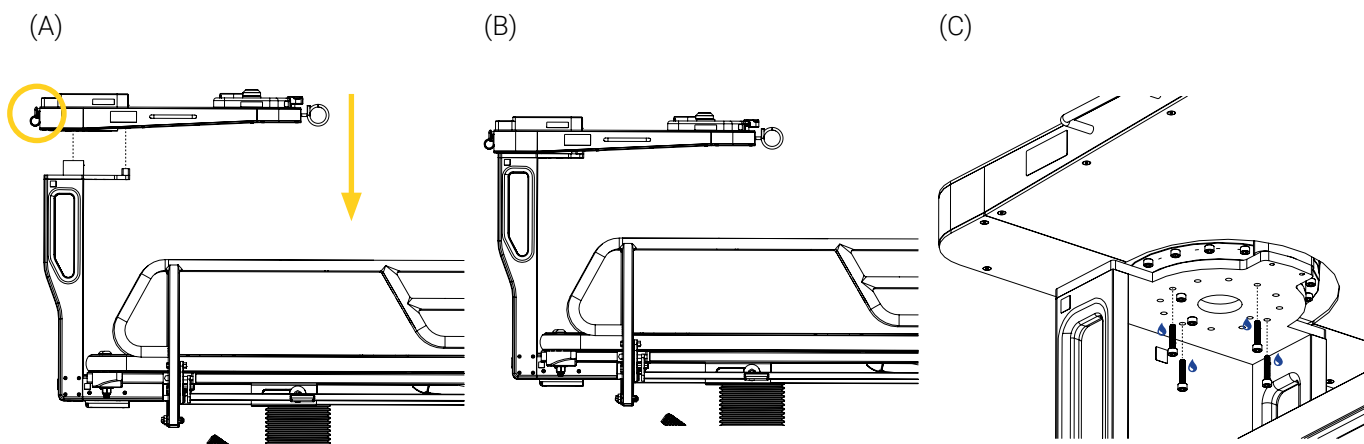


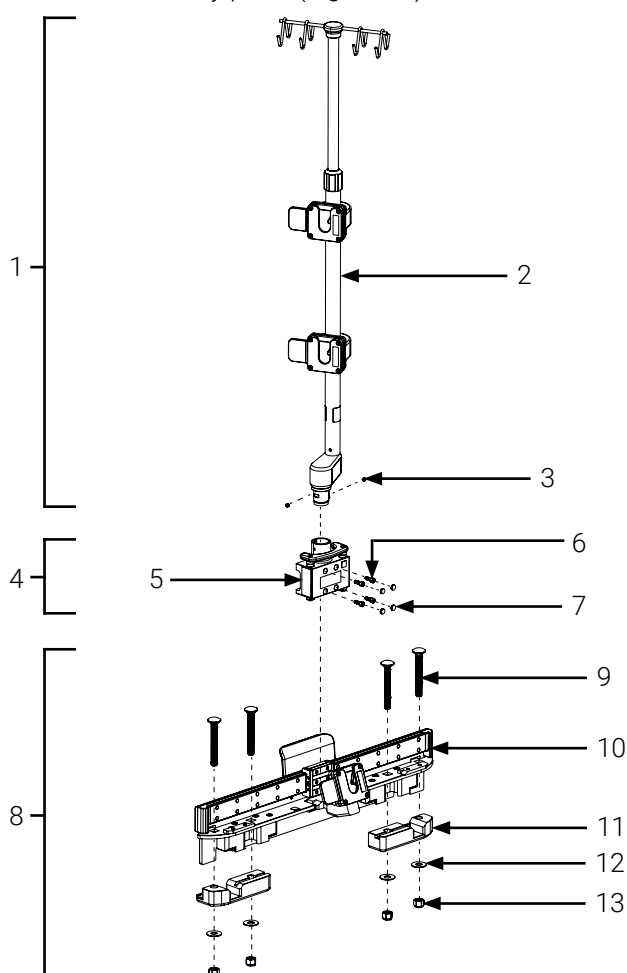
Figure 65: Installing the table top

9. Move the table top back and forth and from side to side a few times to ensure it is properly secured on the column and that it is installed in the correct orientation.
10. Turn the table top 45° clockwise and counterclockwise a few times to ensure it turns smoothly in both directions and that no resistance is felt. Refer to the « Adjust the Pivoting Mounting Table » section on page 49 if needed.

The ContinuuMed PVT is installed.

Install the ContinuuMed RIV at Patient Head End of the Stretcher

1. Identify the ContinuuMed RIV assembly parts (Figure 66).



- | | |
|-----------------------------------|---|
| 1. IV pole assembly | 8. Rail assembly |
| 2. IV pole | 9. 18-8 SS ½ in. - 13 thread size, 4 in. L square-neck bolts (4X) |
| 3. ¼-20 X 1¼ in. L set screw (2X) | 10. Rail |
| 4. Sliding block assembly | 11. Clamp block (2X) |
| 5. Sliding block | 12. ½ in. ID X 1-¼ in. OD washer (4X) |
| 6. M6 1 mm screw (4X) | 13. ½ in. - 13 thread size lock nut (4X) |
| 7. Screw cap (4X) | |

Figure 66: ContinuuMed RIV assembly parts

2. Place the rail on top of stretcher frame and the two (2) clamp blocks under the stretcher frame, then partially tighten four (4) 18-8 SS ½ in. - 13 thread size, 4 in. L square-neck bolts coated in medium strength thread-lock adhesive, four (4) ½ in. ID X 1-1/4 in. OD washers and four (4X) ½ in. - 13 thread size lock nuts by hand in a cross-pattern before tightening using a ½ in. wrench (Figure 67).

NOTE: In the correct orientation, the Flex Sequor assembly is facing patient head end.

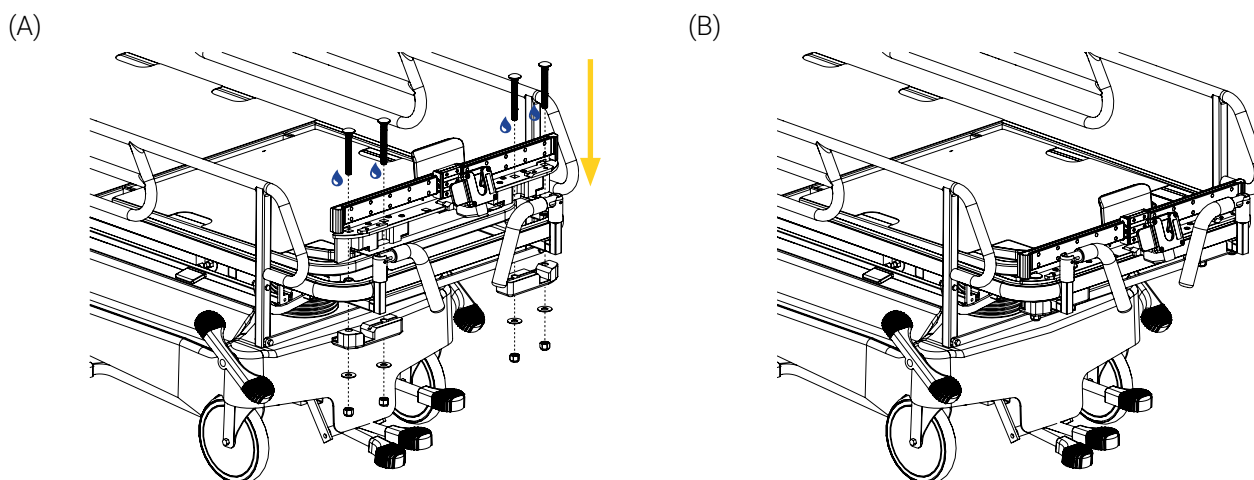


Figure 67: Installing the rail

3. Move the rail top back and forth and from side to side a few times to ensure it is properly secured on the stretcher frame, that it is aligned with the frame and that there are no gaps.
4. Install the sliding block over the carriage of the rail, then partially tighten four (4) M6 1 mm screws coated in medium strength thread-lock adhesive by hand in a cross-pattern before tightening using a 5 mm hex key (Figure 68A and Figure 68B).
5. Cover the screw holes using four (4) screw caps (Figure 68C).

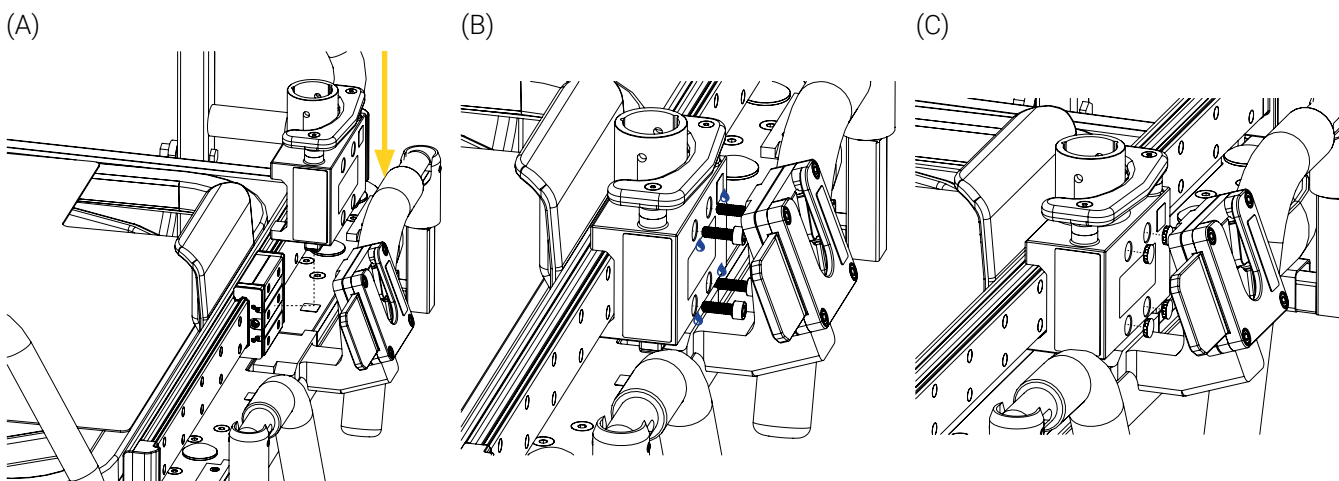


Figure 68: Installing the sliding block

6. Move the sliding block up and down and from side to side a few times to ensure it is properly secured on the carriage of the rail, that there are no gaps and that the screw caps have been installed.

7. Align and insert the IV pole in the holder located on top of the sliding block, then tighten using two (2) ¼-20 X 1¼ in. L set screws and a 1⁄8 in. hex key (Figure 69).

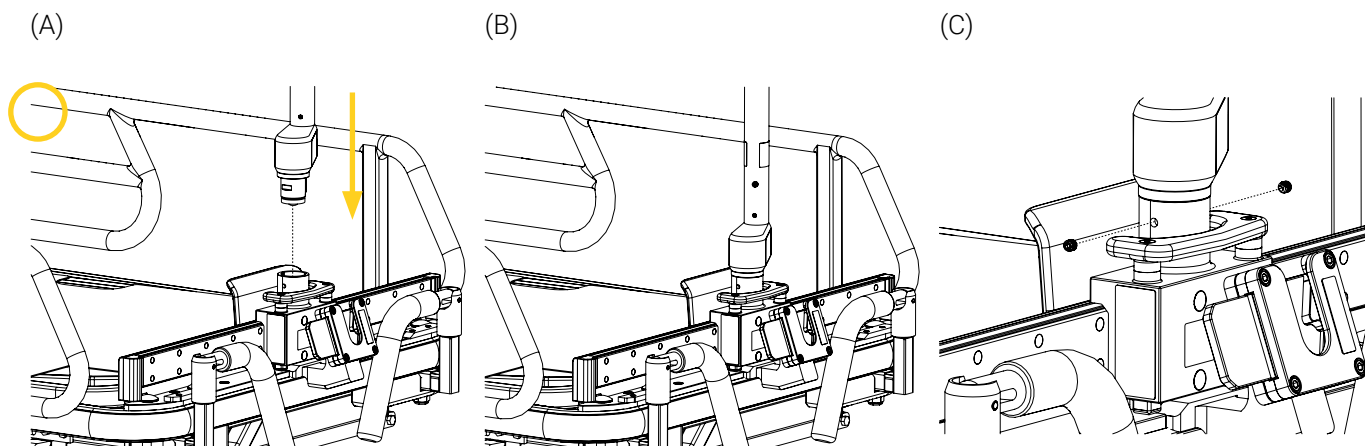


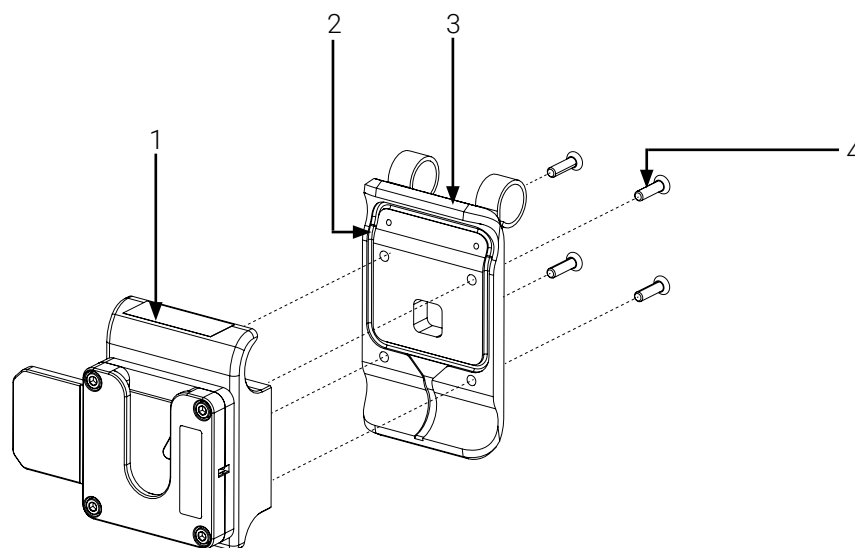
Figure 69: Installing the IV pole

8. Move the IV pole up and down a few times to ensure it is properly secured in the sliding block and that it does not rotate in the holder.

The ContinuuMed RIV is installed.

Install the PS5000 Clamp Block FQ on the Stretcher Side Rail

1. Identify the PS5000 Clamp Block FQ assembly parts (Figure 70).



- | | |
|---|--|
| 1. Outer part of the clamp block | 3. Inner part of the clamp block |
| 2. O-ring groove (o-ring not illustrated) | 4. 10-32 X ¾ in. L Philips head screw (4X) |

Figure 70: PS5000 Clamp Block FQ assembly parts

2. Insert and fit the o-ring along the entire perimeter of the groove located in the inner part of the clamp block.
3. Place the inner part of the clamp block on the inside of the side rail and the outer part on the outside of the rail, press the parts together on the rail ensuring that the o-ring is fully squeezed, then partially tighten four (4) 10-32 X ¾ in. L Philips head screws coated in medium strength thread-lock adhesive by hand in a cross-pattern before tightening using a Philips screwdriver #2 (Figure 71).

NOTE : In the correct orientation, the Flex Sequor assembly is facing outside of the stretcher and is nestled against the diagonal reinforcement bar of the rail.

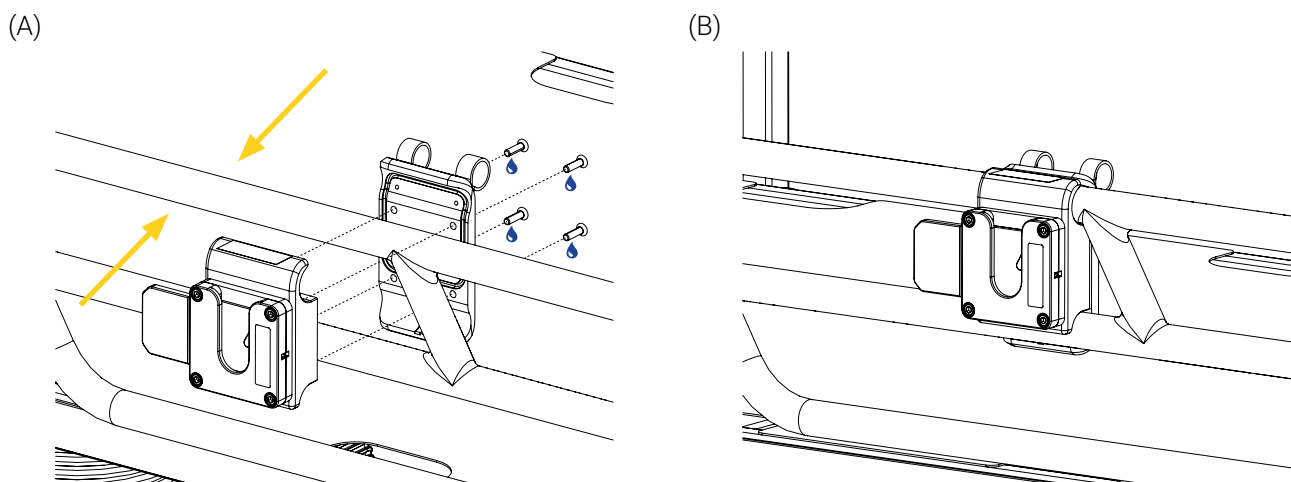


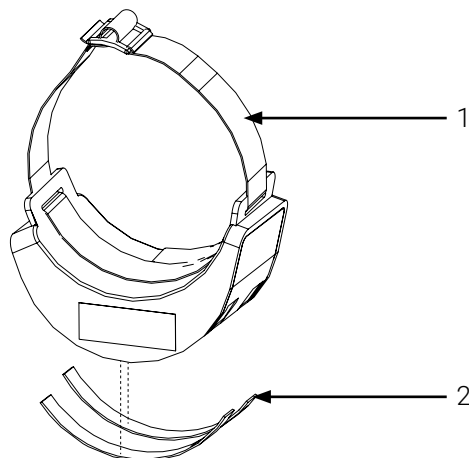
Figure 71: Installing the PS5000 Clamp Block FQ

4. Move the clamp block up and down and from side to side a few times to ensure it is properly secured on the stretcher side rail.
5. Repeat the steps to install a second PS5000 Clamp Block FQ

The PS5000 Clamp Block FQ is installed.

Install the Cylinder Harness – PS5 in the Stretcher's Oxygen Holder

1. Identify the Cylinder Harness – PS5 assembly parts (Figure 72).



1. Cylinder Harness – PS5

2. Double-sided adhesive tape (2X)

Figure 72: Cylinder Harness – PS5 assembly parts

2. Clean the integrated oxygen holder on the base of the stretcher using Isopropyl alcohol and a clean dry cloth, then let dry. Refer to your establish internal protocols if needed.
3. Measure 20 in. (508 mm) from the end of the base at patient foot of the stretcher and mark the position for the installation of the holder (Figure 73).
4. Temporarily place the Cylinder Harness – PS5 in the holder to dry fit the position and orientation of the mount in the holder (Figure 73).

NOTE : In the proper orientation, the Cylinder Harness – PS5 is positioned at a slant in the holder, lifting the gas cylinder's pressure gauge higher than the tank once installed.

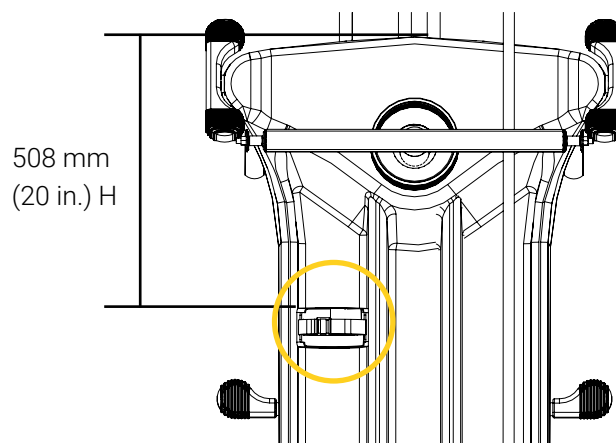


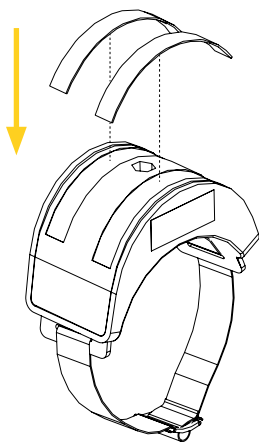
Figure 73: Measuring the Cylinder Harness – PS5 position

5. Remove one side of the protective liner on the double-sided adhesive tape, then carefully align and position the tapes in the embossed markings located under the Cylinder Harness – PS5 without folding the edges (Figure 74A).

NOTE : Avoid and ensure there are no folded edges without touching the exposed adhesive surface to avoid contamination.

6. Press evenly along the entire bonding surface of the tape.
7. Remove second side of the protective liner on the double-sided adhesive tape, then carefully align and position the Cylinder Harness – PS5 on the previously marked position in the holder (Figure 74B), then press on the Cylinder Harness – PS5 evenly along the entire bonding surface and maintain the pressure for a minimum of 15 seconds.

(A)



(B)

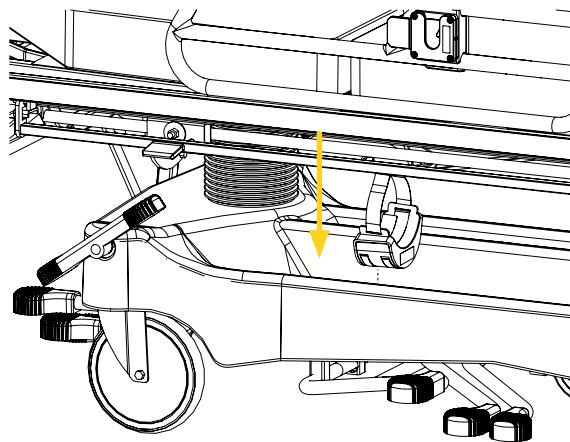


Figure 74: Installing the Cylinder Harness – PS5

8. Move the Cylinder Harness – PS5 back and forth and from side to side a few times to ensure it is properly secured in the stretcher's oxygen holder.

The Cylinder Harness – PS5 is installed.

Annex IV Maintenance



The content in this section is intended for personnel who have an advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Factors such as weather, environment, geographical location and individual usage will necessitate different needs. For the maintenance of the ContinuuMed – C1, follow the guidelines listed herein and in accordance with your service's current maintenance practices and established internal protocols. Please contact Technical Support at techsupport@technimount.com for replacement parts or repair related issues, if needed.



WARNING – General Warning

- **Do not perform** the safety checks or the condition-based maintenance before having read the entire « Safety Measures » section on page 18 and the maintenance specific safety measures in this section, having read the entire content of this user manual, having gained in-depth knowledge and product comprehension, as well as having familiarized yourself with the standards and guidelines.
- Safety checks and a condition-based maintenance plan are required and should be established for all Technimount products.
- Perform the safety checks and maintenance operations as described herein. Failing to follow the recommended maintenance plan or its guidelines could cause premature damage to the product.
- Use only Technimount parts, maintenance procedures, cleaning solutions and lubricants (if applicable), as described herein. Using unapproved modified parts or procedures for the maintenance of the Technimount product may cause the system to be unstable and could cause injury to the patients or clinical personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the « Figure 77 illustrates the inspection points of the PS5000 Clamp Block FQ. » section on page 82). Recycle damaged parts or dispose according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).



CAUTION – Safe Handling and Operation

- **Do not use** unauthorized, untested or unapproved cleaning products and disinfectants to perform condition-based maintenance, to avoid damaging the surface of your Technimount product and void the warranty. Technimount will not be held liable for damages resulting from the use of an unauthorized, untested or unapproved cleaning product.
- **Do not use** powered tools to screw the hardware during installation, as there is a risk of damage to the threads.
- **Do not steam clean or use ultrasonic cleaners** on the system or any of its components.
- **Do not immerse** the metal parts/components in water.
- To spot clean, the maximum water temperature should not exceed 82° C (180° F). The maximum water pressure should not exceed 1500 psi/103.5 BAR. If using a high pressure washer, the pressure nozzle must be kept a minimum of 609.6 mm (24 in.) from the product.
- When cleaning, always use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.).


CAUTION – Corrosion

- Always rinse and dry the ContinuuMed – C1 components properly after using cleaning products. Certain types of cleaners may leave a corrosive residue on the surface of the product and could cause the premature corrosion of critical components. Refer to the product Safety Data Sheets (SDS) for chemical information or handling, storage and emergency measures in case of accident.
- Dispose of corrosive wastes according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).


CAUTION – Follow Instructions for Use

Always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided by the manufacturer of the cleaning product.

Maintenance Frequency

- Safety checks and the condition-based maintenance should be performed minimally every month or as frequently needed, to prolong the longevity of the ContinuuMed – C1 in optimal conditions.
- Decontaminate the ContinuuMed – C1 as recommended in your established internal protocols, as well as the regulations and standards in virtue of the infection prevention and control procedures.

Customer-Provided Tools

- 4 mm hex key
- 5 mm hex key
- 7/64 in. hex key
- 5/16 in. hex key
- 1/2 in. wrench
- Philips screwdriver #2
- Medium strength thread lock adhesive (🔧)
- Clean dry cloth
- Soft brush
- Pressure washer
- Cleaning solutions

Tested and Approved Cleaning Solutions

- Oxivir, 5% Hydrogen Peroxide with Peracetic Acid (AHP)
- Lavo 12, 10 000 ppm Sodium Hypochlorite
- TNT-100, 5% Quaternary Ammonium Compound
- Spectro-Sept, 5% Ethyl Alcohol
- Spectrol, 5% EDTA salt

Maintenance Plan

1. Check the boxes upon completion of the « Safety Checks » section on page 74 and the « Condition-Based Maintenance » section on page 78, then add your comments and/or observations in the « Maintenance Log » section on page 79 if needed. In case of a non-conformity, immediately stop using the ContinuuMed – C1 and contact Technical Support at techsupport@technimount.com for a remedial action plan.
2. Keep records of your maintenance activities.

SAFETY CHECKS	CHECKED
ContinuuMed – C1 (Figure 75, Figure 76, Figure 77 and Figure 78)	
- Visually inspect all the components of the ContinuuMed – C1 to ensure that the hardware is in good condition and there are no loose screws. • <i>If the hardware is not in good condition, replace it. Contact Technical Support if needed.</i> • <i>If the screws are loose, tighten them. Refer to the « Install the ContinuuMed – C1 » section on page 62.</i>	☐
- Visually inspect all the components of the ContinuuMed – C1 to ensure there is no chemical attack. • <i>If there are traces of chemical attack, clean the mounting solution. Refer to the « Condition-Based Maintenance » section on page 78 if needed.</i>	☐
ContinuuMed PVT (Figure 75)	
- Press and release the quick-release button of the pivoting mounting table a few times to ensure proper functioning of the safety mechanism. • <i>If the button does not easily insert or a resistance is felt when it is pressed, there is a non-conformity.</i> • <i>If the button does not retract easily when it is release, there is a non-conformity.</i>	☐
- Turn the table top 90° clockwise and counterclockwise a few times to ensure proper functioning of the pivoting mounting table's safety mechanism. • <i>If the table top does not turn smoothly in both directions or a resistance is felt, contact Technical Support.</i>	☐
- Turn and lock the table in each of the three (3) locking positions, then move it back and forth a few times to ensure proper functioning of the pivoting mounting table's safety mechanism. • <i>If the safety mechanism does not activate and the table top does not stay in the locked positions, there is a non-conformity.</i>	☐
- Press and release the locking mechanism of the Standard Surface Base/Micro Base a few times to ensure proper functioning of the mounting system's safety mechanism. • <i>If the locking mechanism does not easily insert in the base or a resistance is felt when it is pressed, there is a non-conformity.</i> • <i>If the locking mechanism does not retract easily or to a minimum of 3/16 in. (H) when it is released, there is a non-conformity.</i>	☐

SAFETY CHECKS	CHECKED
- Press and release the quick-release button of the Standard Surface Base/Micro Base a few times to ensure proper functioning of the mounting system's safety mechanism. • <i>If the button does not easily insert in the base or a resistance is felt when it is pressed, there is a non-conformity.</i> • <i>If the button does not retract easily when it is released, there is a non-conformity.</i>	☐
- Press and release each plunger of the Standard Surface Base/Micro Base a few times to ensure their proper functioning. • <i>If the plungers do not easily insert or remain stuck in the base when they are pressed, clean the mounting system and lubricate the plungers. Refer to the Standard Surface Base/Micro Base User Manual(s) if needed.</i>	☐
- Install and remove the medical device in/from the Standard Surface Base/Micro Base a few times to ensure proper functioning of the mounting system's safety mechanism. • <i>If the standard bottom disc/micro disc located under the mounting bracket of the medical device does not easily insert in the base and does not lock, and/or cannot be easily removed when using the quick-release button of the base, there is a non-conformity.</i>	☐
- Install and lock the medical device in the Standard Surface Base/Micro Base, then move it back and forth and from side to side a few times to ensure it is secured in the base and does not move. • <i>If the standard bottom disc/micro disc located under the mounting bracket of the medical device does not stay in the base, there is a non-conformity.</i>	☐
- Install and lock the medical device in the Standard Surface Base/Micro Base, then turn it clockwise and counterclockwise a few times to ensure proper functioning of the mounting bracket's mechanism. • <i>If the medical device does not easily rotate from left to right or you feel resistance when doing so, there is a non-conformity.</i>	☐
- Move the slide locking lever of the Universal Mounting Base from side to side a few times to ensure proper functioning of the mounting system's safety mechanism. • <i>If locking disc does not center itself on the base when the lever is in the locked position  and moved to the left in the unlocked position , there is a non-conformity.</i> • <i>If locking disc does not move towards the back of the base when the lever is in the unlocked position  and moved to the right in the locked position , there is a non-conformity.</i>	☐
- Install and remove the medical device in/from the Universal Mounting Base a few times to ensure proper functioning of the mounting system's safety mechanism. • <i>If the mounting bracket does not lock when moving the slide locking lever to the right in the locked position , there is a non-conformity.</i> • <i>If the mounting bracket does not unlock when moving the slide locking lever to the left in the unlocked position , there is a non-conformity.</i>	☐

SAFETY CHECKS	CHECKED
- Install and lock the medical device on the Universal Mounting Base, then move it from back and forth and from side to side a few times to ensure it is secured in the mounting system and does not move. • <i>If the mounting bracket moves after correctly having been installed on the base, there is a non-conformity.</i>	☐
- Install and lock the medical device in the Universal Mounting Base, then turn it clockwise and counterclockwise a few times to ensure proper functioning of the mounting bracket's mechanism. • <i>If the medical device does not easily rotate from left to right or you feel resistance when doing so, there is a non-conformity.</i>	☐
ContinuuMed RIV (Figure 76)	
- Lower/lock and raise/lock the IV pole a few times to ensure proper functioning of the collar. • <i>If the collar is damaged and or does not correctly tighten and secure the pole in place, there is a non-conformity.</i>	☐
- Press and release the quick-release button of the IV pole a few times to ensure proper functioning of the pole's safety mechanism. • <i>If the button does not easily insert or a resistance is felt when it is pressed, there is a non-conformity.</i> • <i>If the button does not retract easily when it is release, there is a non-conformity.</i>	☐
- Turn and lock the IV pole in each of the seven (7) locking positions, then move it back and forth a few times to ensure proper functioning of the pole's safety mechanism. • <i>If the safety mechanism does not activate and the pole does not stay in the locked positions, there is a non-conformity.</i>	☐
- Lift and release the quick-release handle of the rail's sliding block a few times to ensure proper functioning of the linear gliding system's safety mechanism. • <i>If the locking pull pins do not extruded from the sliding block or a resistance is felt when the handle is released, there is a non-conformity.</i> • <i>If the locking pull pins do not retract easily or a resistance is felt when the handle is pulled, there is a non-conformity.</i>	☐
- Move and lock the rail's sliding block in each of the three (3) locking positions, then move it back and forth a few times to ensure proper functioning of the linear gliding system's safety mechanism. • <i>If the safety mechanism does not activate and the pole does not stay in the locked positions, there is a non-conformity.</i>	☐

Flex Sequer Assemblies (Figure 76 and Figure 77)

- PS5000 Clamp Block FQ (1-2X, depending on your configuration)
- Collar-mounted Flex Sequer assembly (2X)
- Rail-mounted Flex Sequer assembly (1X)

SAFETY CHECKS	CHECKED
- Press and release the quick-release button of the Flex Sequor assemblies a few times to ensure proper functioning of their safety mechanism. • <i>If the button does not easily insert to the point where the lock/unlock indicator is no longer visible, there is a non-conformity.</i> • <i>If the button does not retract to its initial position, fully exposing the lock/unlock indicator or a resistance is felt when it is released, there is a non-conformity.</i>	☐
- Press and release the latch of the Flex Sequor assemblies a few times to ensure proper functioning of their safety mechanism. • <i>If the latch does not easily insert or remains stuck in the mounting system when it is pressed, there is a non-conformity.</i> • <i>If the button does not retract or a resistance is felt when it is released, there is a non-conformity.</i>	☐
- Install the medical device(s) in the Flex Sequor assemblies and remove it a few times to ensure proper functioning of their safety mechanism. • <i>If the mounting clip of the medical device's mounting bracket does not easily insert in the Flex Sequor assemblies and does not lock, and/or cannot be easily removed when using the quick-release button of the mounting system, there is a non-conformity</i>	☐
- Install and lock the medical device(s) in the Flex Sequor assemblies, then move it back and forth and from side to side a few times to ensure it is secured in the mounting systems and does not move. • <i>If the mounting clip of the medical device's mounting bracket does not stay in the Flex Sequor assemblies, there is a non-conformity.</i>	☐
Cylinder Harness – PS5 (Figure 78)	
- Visually inspect the buckle and strap of the Cylinder Harness – PS5 to ensure there is no wear or tears. • <i>If there are signs of wear and tear, there is a non-conformity.</i>	☐
- Visually inspect the double-sided adhesive tape holding the Cylinder Harness – PS5 to the oxygen holder to ensure that there are no signs of wear and tear and/or that no edges have lifted. • <i>If there are signs of wear and tear and/or the edges have lifted, there is a non-conformity.</i>	☐
- Look at the manufacturing labels to ensure that specifications are still visible and that the ContinuuMed – C1 has not passed its expected service life. Refer to the « Labels » section on page 12 and to the « Technical Specifications » section on page 22 if needed. • <i>If the estimated periods of safe and reliable use have passed, there is a non-conformity.</i>	☐
- Look at the safety labels and operation labels to ensure that they are still visible and that they are all accounted for. Refer to the « Labels » section on page 12 and to the « Technical Specifications » section on page 22 if needed. • <i>If the labels/markings are no longer visible and/or missing, there is a non-conformity.</i>	☐

CONDITION-BASED MAINTENANCE
CHECKED

Clean the ContinuuMed – C1, after you have completed the safety checks:

☐

1. Remove the excess dirt using a clean cloth, if needed.
2. Remove the contaminants using a pressure washer or as recommended in your established internal protocols and control procedures.
3. Clean using a cloth and cleaning solution.
4. Spot clean stains by applying the solution directly on the stain and let sit on the surface, if needed.

NOTE : Avoid over saturation and ensure that the product **does not sit** on the surface of the ContinuuMed – C1 components longer than recommended by the cleaner's manufacturer.

5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then dry all the components using a clean cloth before returning to service.

Clean the Standard Surface Base, Micro Base, Universal Mounting Base and the Flex Secur assemblies, after you have completed the safety checks of the ContinuuMed – C1. Refer to their specific User Manuals if needed.

☐

MAINTENANCE LOG

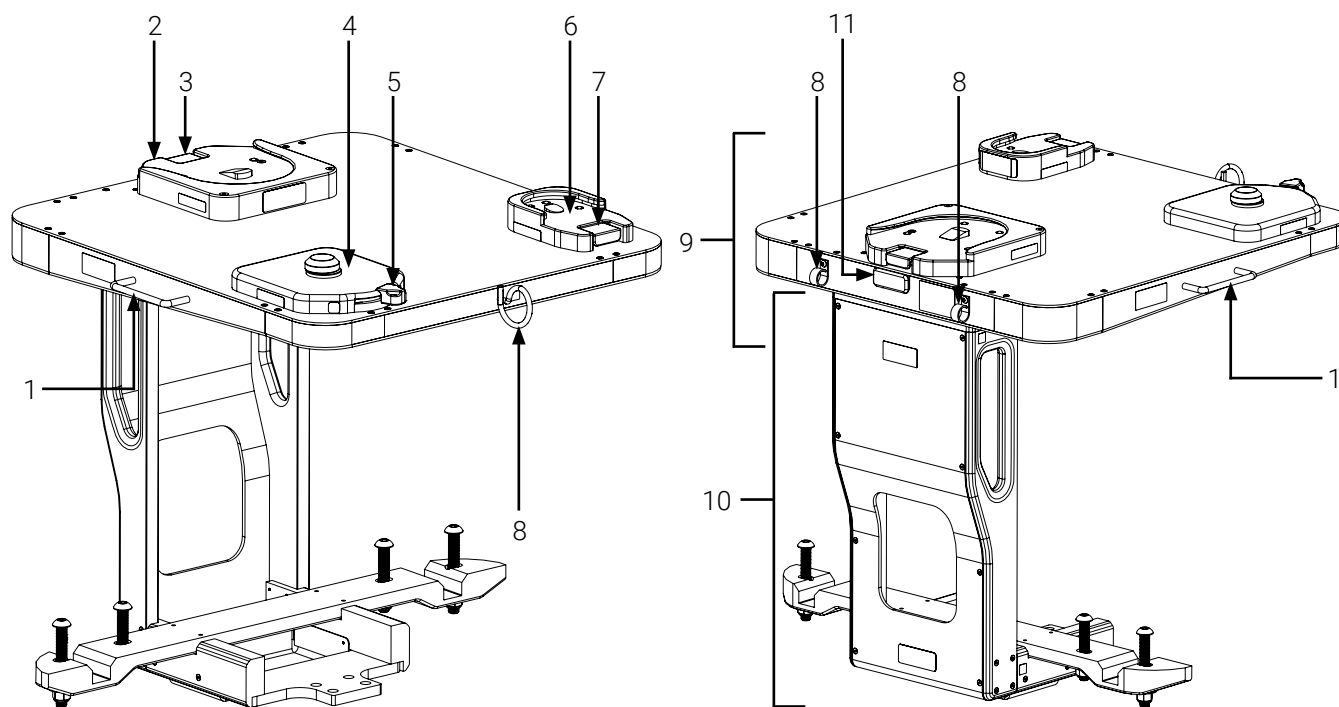
Add your comments and/or observations, after you have completed the safety checks and condition-based maintenance, if needed:

Maintenance plan completed on (dd/mm/yyyy):

Maintenance plan completed by:

Illustrated Inspection Points

Figure 75 illustrates the inspection points of the ContinuuMed PVT.



- | | |
|-------------------------------|--------------------------------------|
| 1. Handle (2X) | 7. Quick-release button (MB) |
| 2. Standard Surface Base | 8. Cable management (3X) |
| 3. Quick-release button (SSB) | 9. Table top |
| 4. Universal Mounting Base | 10. C-shaped base |
| 5. Quick-release button (UMB) | 11. Quick-release button (table top) |
| 6. Micro Base | |

Figure 75: Illustrated inspection points – ContinuuMed PVT

Figure 76 illustrates the inspection points of the ContinuuMed RIV.

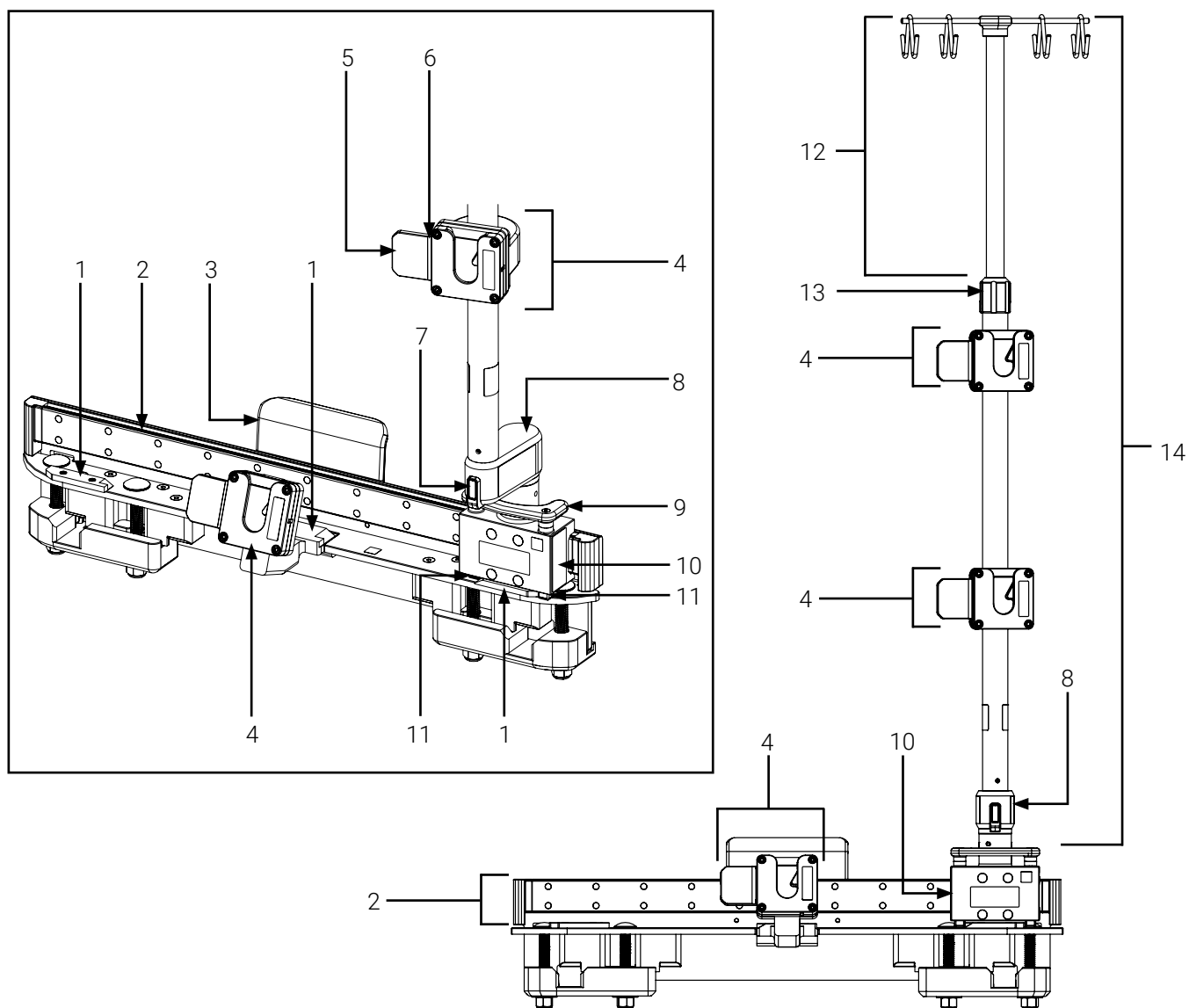


Figure 76: Illustrated inspection points – ContinuuMed RIV

Figure 77 illustrates the inspection points of the PS5000 Clamp Block FQ.

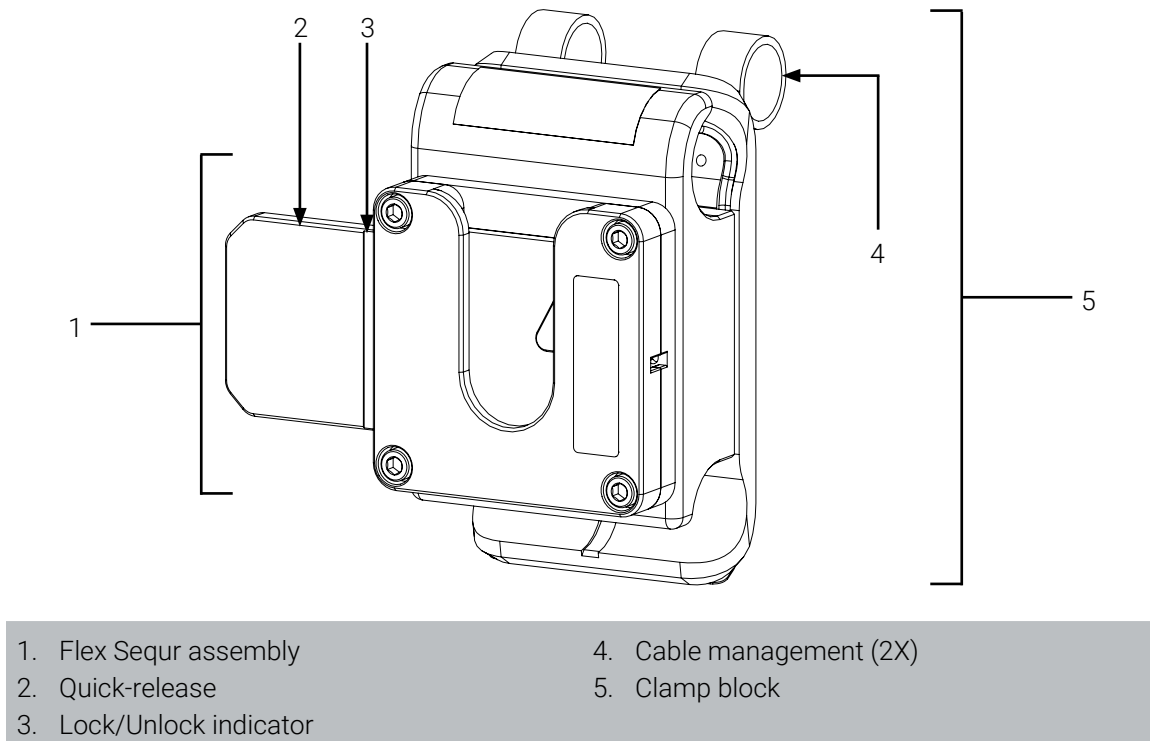


Figure 77: Illustrated inspection points – PS5000 Clamp Block FQ

Figure 78 illustrates the inspection points of the Cylinder Harness – PS5.

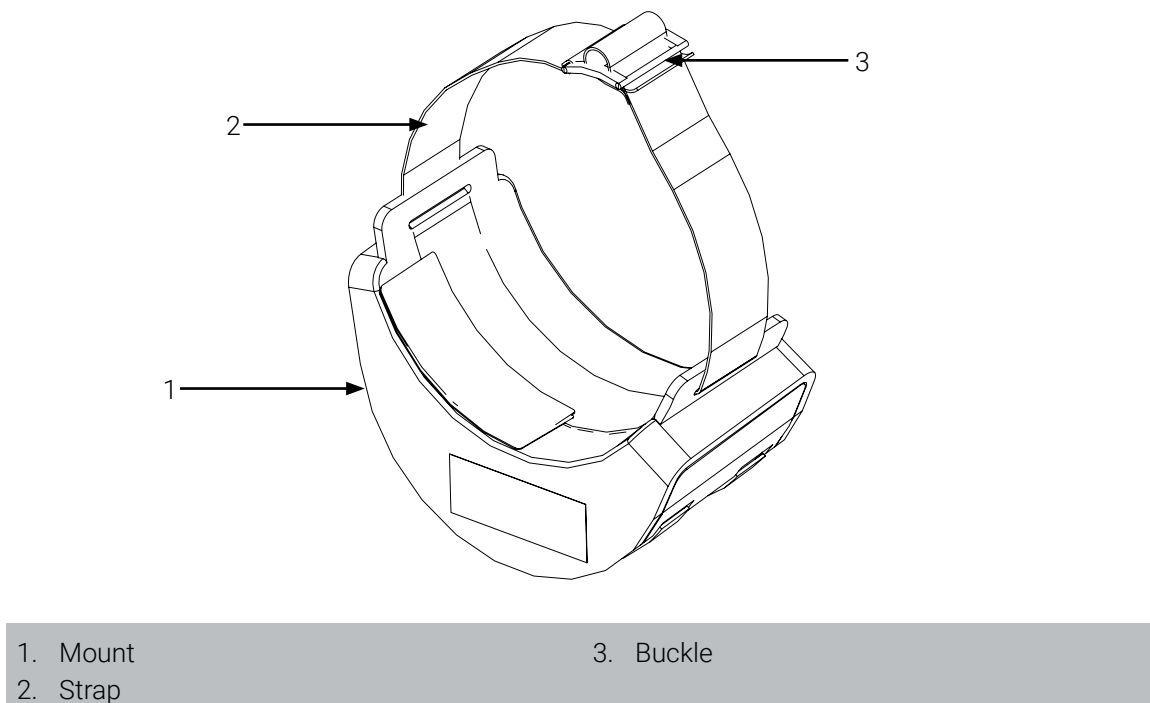


Figure 78: Illustrated inspection points – Cylinder Harness – PS5

Annex V Replacement Kits



The content in this section is intended for personnel who have an advanced or expert level of competency. Refer to the « User Competency » section on page 7 if needed.

Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability, or Technical Support at techsupport@technimount.com for replacement parts/kits or repair related issues.

REFERENCE #	KIT #	KIT DESCRIPTION	REPLACEMENT PROCEDURE
Figure 76, #2	910-00-CMD-KT	Rail plate replacement kit	Refer to the « Rail Plate 910-00-CMD-KT Replacement » section on page 84
Figure 76, #8	912-00- CMD-KT	Swivel elbow replacement kit	Refer to the « Swivel Elbow 912-00-CMD-KT Replacement » section on page 87
Figure 76, #10	911-00- CMD-KT	Sliding block replacement kit	Refer to the « Sliding Block 911-00-CMD-KT Replacement » section on page 90
Figure 76, #12	913-00- CMD-KT	IV pole hook rack replacement kit	Refer to the « IV Pole Hook Rack 913-00-CMD-KT Replacement » section on page 93
Figure 77, #4	914-00- CMD-KT	Cable management hook replacement kit	Refer to the « Cable Management Hook 914-00-CMD-KT Replacement » section on page 95
Figure 78, #2	915-00- CMD-KT	Cylinder Harness – PS5 strap replacement kit	Refer to the « Cylinder Harness – PS5 Strap 915-00-CMD-KT Replacement » section on page 97

Annex VI Rail Plate 910-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

Estimated Replacement Time

- 20 minutes

Replacement Kit Parts

- 640 mm W X 15 mm D X 42 mm H rail plate
- M4 0.7 mm X 18 mm L screw (22X)
- Screw cap (22X)

Customer-Provided Tools

- 3 mm hex key
- 4 mm hex key
- Medium strength thread lock adhesive ()

Replacement Procedure

1. Apply the brakes of the stretcher, lower the right side rail and remove the mattress to facilitate the replacement manoeuvres.
2. Lower the push/pull handles of the stretcher to facilitate the replacement manoeuvres.
3. Remove the IV bags and medical devices from the ContinuuMed RIV, then set them aside on a clean surface temporarily. Refer to the « Remove the Medical Device from the Flex Secur Assemblies » section on page 48 and to the « Remove the IV Bags from the IV Pole Hooks » section on page 53 if needed.

4. Remove the two (2) screws and the stop block located on the right-hand side of the rail using a 4 mm hex key (Figure 79A). Set the screws and stop block aside on a clean surface temporarily.
5. Lift and hold the quick-release handle, then push sliding block towards right to remove it from the rail (Figure 79B). Set the IV pole aside on a clean surface temporarily.

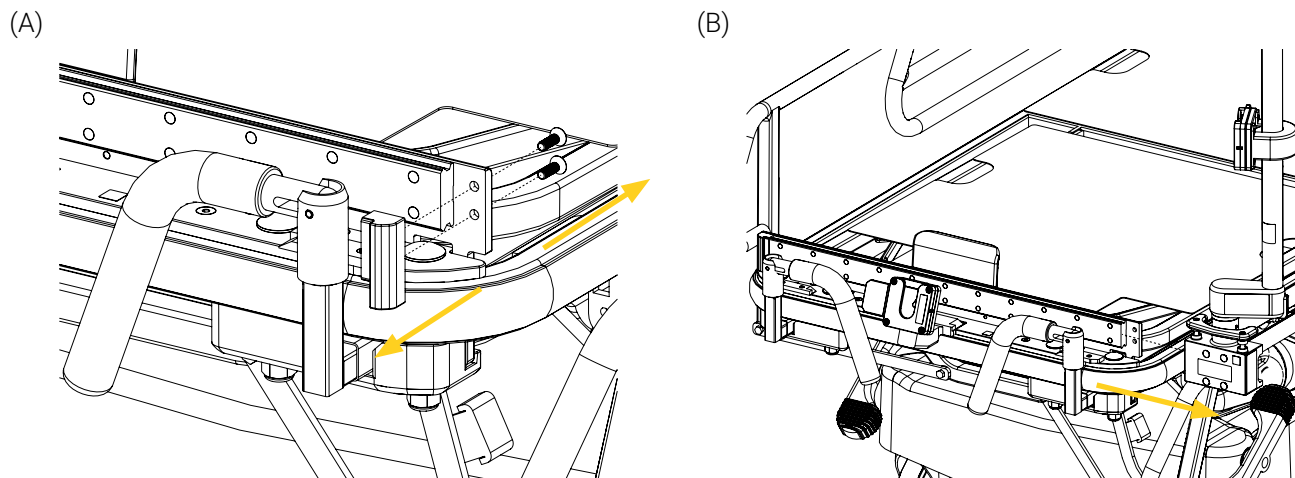


Figure 79: Removing the stop block and IV pole

6. Remove the twenty-two (22) screw caps manually, then remove the twenty-two (22) screws and the rail plate using a 3 mm hex key (Figure 80). The screw caps, screws and rail plate will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

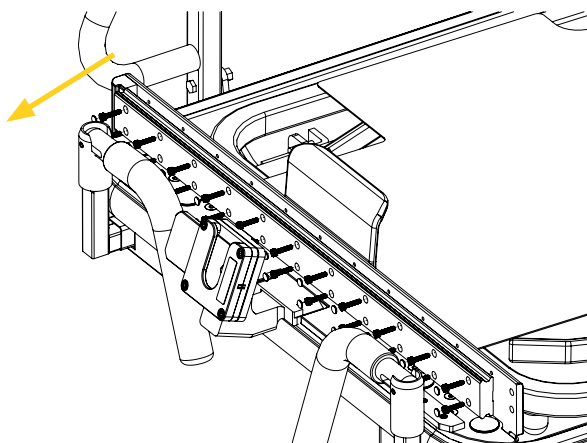


Figure 80: Removing the current rail plate

7. Align and secure the new rail plate using the twenty-two (22) M4 0.7 mm X 18 mm L screws coated with medium strength thread lock adhesive (🔩) and a 3 mm hex key (Figure 81A).
8. Move the rail plate up and down and from side to side a few times to ensure it is properly installed and secured on the rail system. If the plate does not move after the verification and there are no gaps between the plate and the rail system, it is properly installed and secured.
9. Cover the screw heads using the twenty-two (22) screw caps manually (Figure 81B).

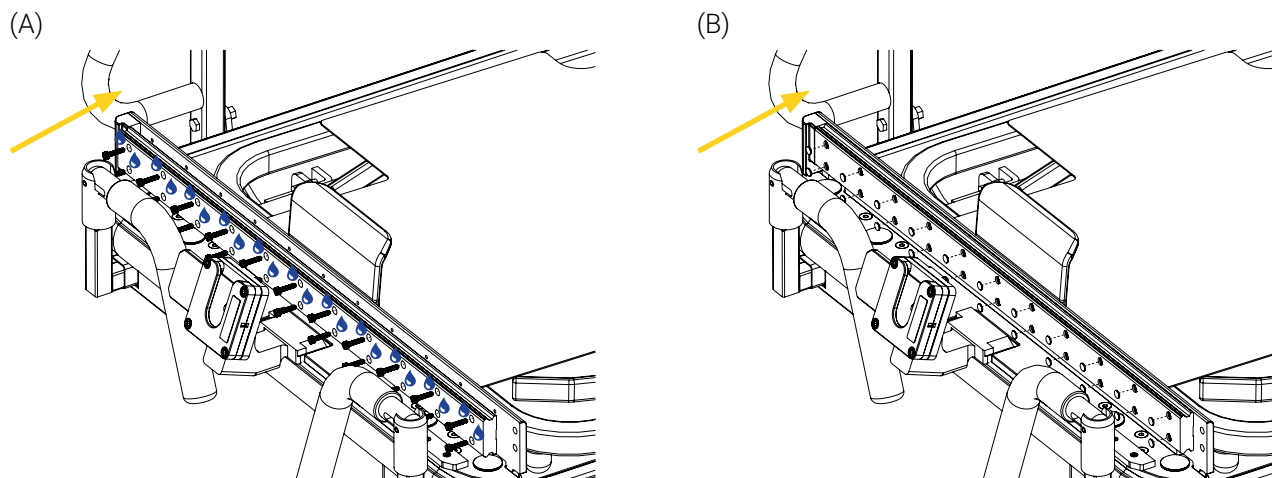


Figure 81: Installing the new rail plate

10. Reinstall the IV pole (Figure 82A) and the stop block on the rail system reusing the two (2) previously removed screws coated with medium strength thread lock adhesive (🔩) and a 4 mm hex key (Figure 82B).

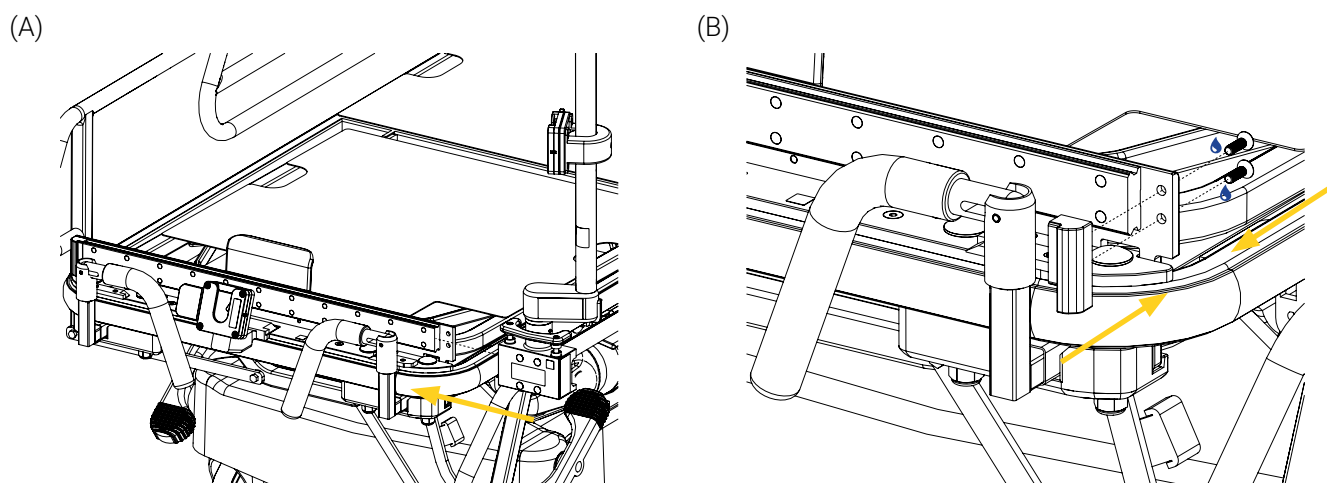


Figure 82: Reinstalling the IV pole and stop block

11. Move the stop block back and forth a few times to ensure it is secured on the system. If the block does not move after the verification, it is properly secured.
12. Move the sliding block from side to side along the rail to ensure no resistance is felt when it is moved.

The replacement of the rail plate is complete.

Annex VII Swivel Elbow 912-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

Estimated Replacement Time

- 15 minutes

Replacement Kit Parts

- Swivel elbow
- ¼-20 X ¼ in. L set screw (2X)
- ¼-20 X ⅜ in. L set screw (2X)

Customer-Provided Tools

- 4 mm hex key
- ⅛ in. hex key
- Medium strength thread lock adhesive ()

Replacement Procedure

1. Apply the brakes of the stretcher, lower the right side rail and remove the mattress to facilitate the replacement manoeuvres.
2. Lower the push/pull handles of the stretcher to facilitate the replacement manoeuvres.
3. Remove the IV bags and medical devices from the ContinuuMed RIV, then set them aside on a clean surface temporarily. Refer to the « Remove the Medical Device from the Flex Sequor Assemblies » section on page 48 and to the « Remove the IV Bags from the IV Pole Hooks » section on page 53 if needed.

4. Remove the two (2) set screws on the swivel elbow using a 1/8 in. hex key (Figure 83A), then lift and remove the IV pole (Figure 83B). Set aside the IV pole temporarily. The set screws will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

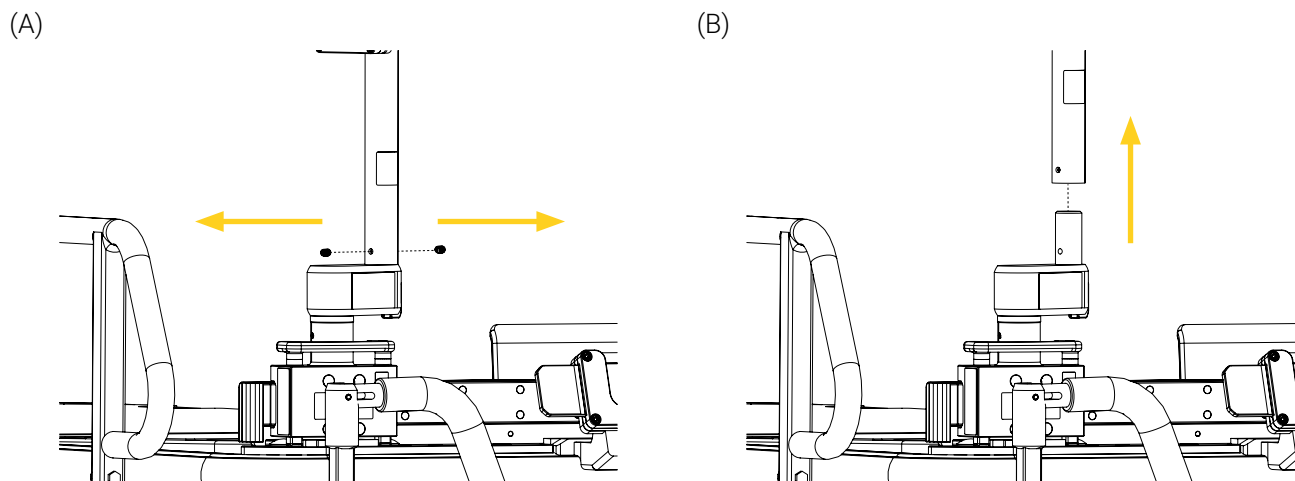


Figure 83: Removing the IV pole

5. Remove the two (2) set screws on the sliding block using a 1/8 in. hex key (Figure 84A), then lift and remove the swivel elbow (Figure 84B). The set screws and swivel elbow will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

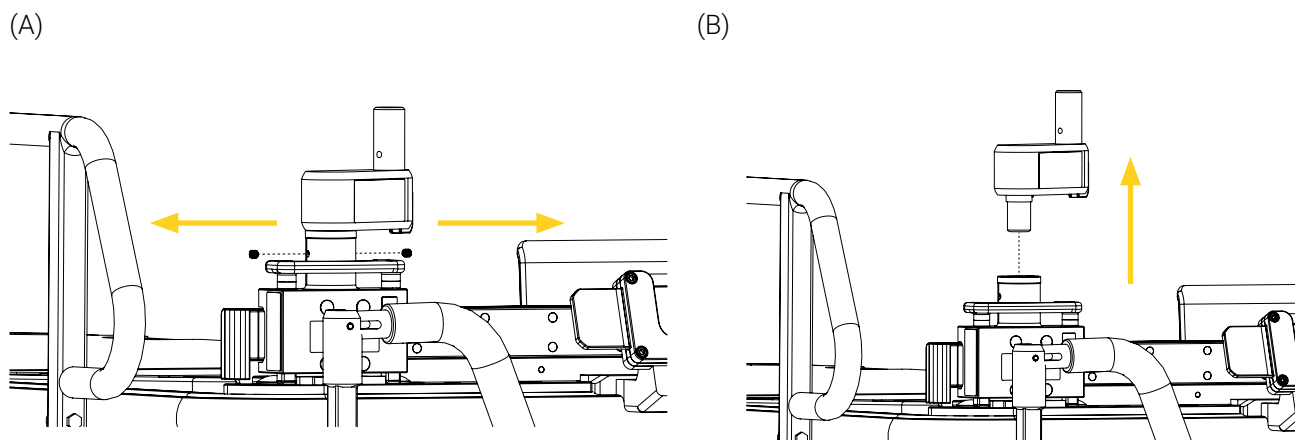


Figure 84: Removing the swivel elbow

6. Align and install the new swivel elbow on the sliding block (Figure 85A), then secure using the two (2) ¼-20 X ¾ in. L set screws coated with medium strength thread lock adhesive () and a ⅛ in. hex key (Figure 85B).

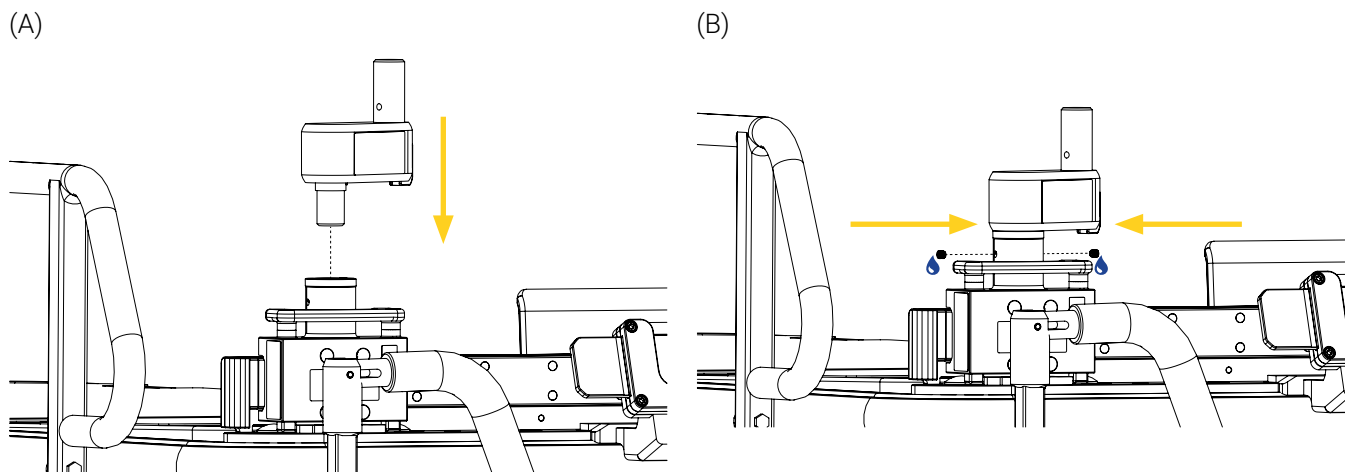


Figure 85: Installing the new swivel elbow

7. Move the swivel elbow up and down a few times to ensure it is secured on the sliding block. If the swivel elbow does not move after the verification, it is properly secured.
8. Align and install the IV pole on the new swivel elbow (Figure 86A), then secure using the two (2) ¼-20 X ¼ in. L set screws coated with medium strength thread lock adhesive () and a ⅛ in. hex key (Figure 86B).

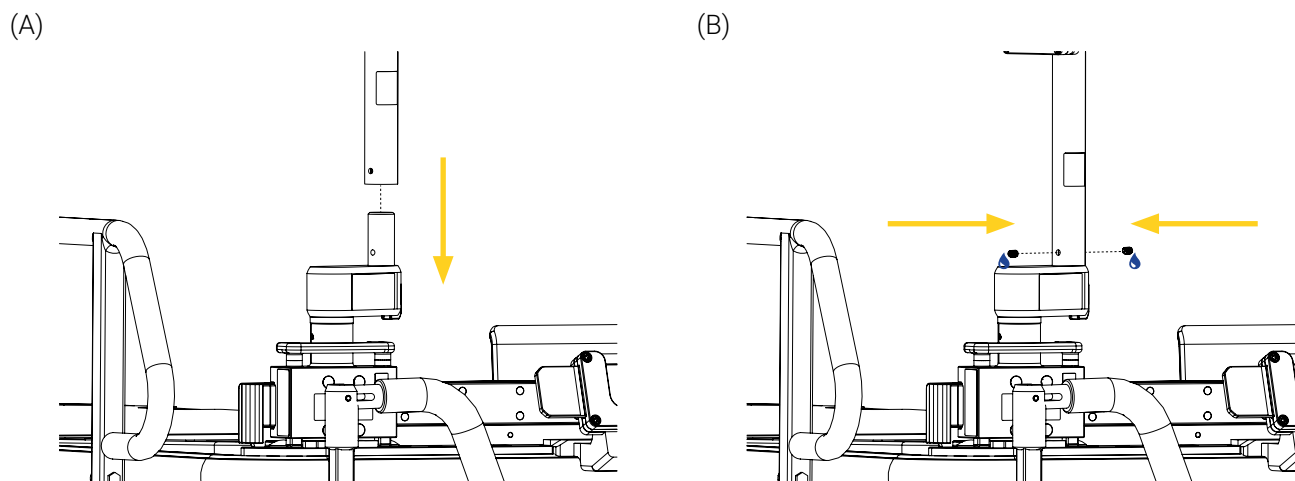


Figure 86: Reinstalling the IV pole

9. Move the IV pole up and down a few times to ensure it is secured in the IV pole holder of the sliding block. If the pole does not move after the verification, it is properly secured.

The replacement of the swivel elbow is complete.

Annex VIII Sliding Block 911-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

Estimated Replacement Time

- 10 minutes

Replacement Kit Parts

- Slide bearing block
- ¼-20 X 1¼ in. L set screw (2X)
- M6-1 mm X 20 mm L countersunk head screw (2X)

Customer-Provided Tools

- 4 mm hex key
- 1/8 in. hex key
- Medium strength thread lock adhesive ()

Replacement Procedure

1. Apply the brakes of the stretcher, lower the right side rail and remove the mattress to facilitate the replacement manoeuvres.
2. Lower the push/pull handles of the stretcher to facilitate the replacement manoeuvres.
3. Remove the IV bags and medical devices from the ContinuuMed RIV, then set them aside on a clean surface temporarily. Refer to the « Remove the Medical Device from the Flex Sequor Assemblies » section on page 48 and to the « Remove the IV Bags from the IV Pole Hooks » section on page 53 if needed.

4. Remove the two (2) set screws on the sliding block using a 1/8 in. hex key (Figure 87A), then lift and remove the IV pole (Figure 87B). Set aside the IV pole temporarily. The set screws will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

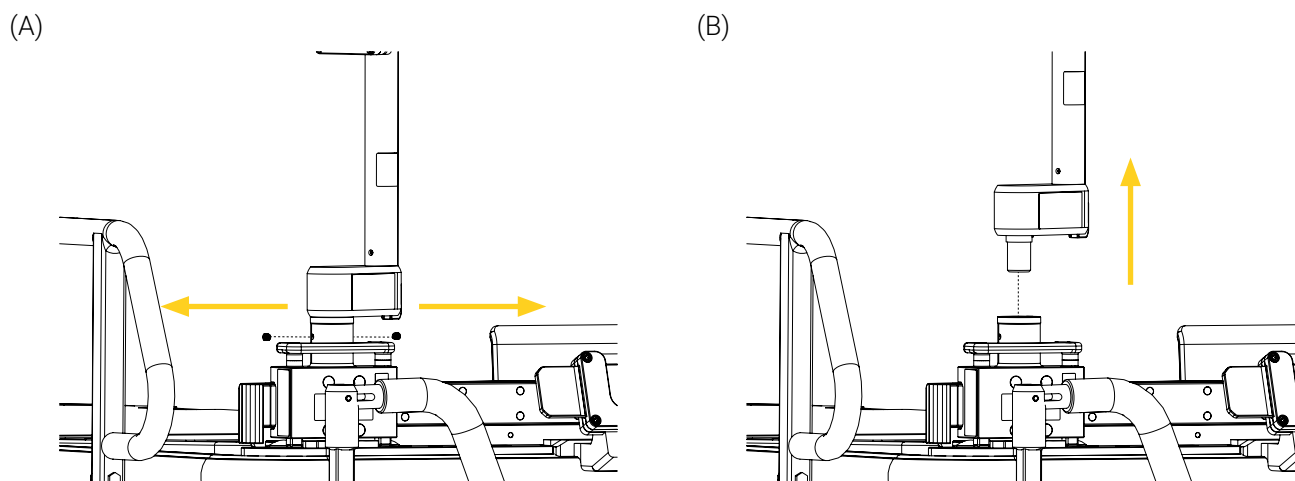


Figure 87: Removing the IV pole

5. Remove the two (2) screws and the stop block located on the right-hand side of the rail using a 4 mm hex key (Figure 88A). Set aside stop block temporarily. The screws will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.
6. Lift and hold the quick-release handle, then push sliding block towards right to remove it from the rail (Figure 88B). The sliding block will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

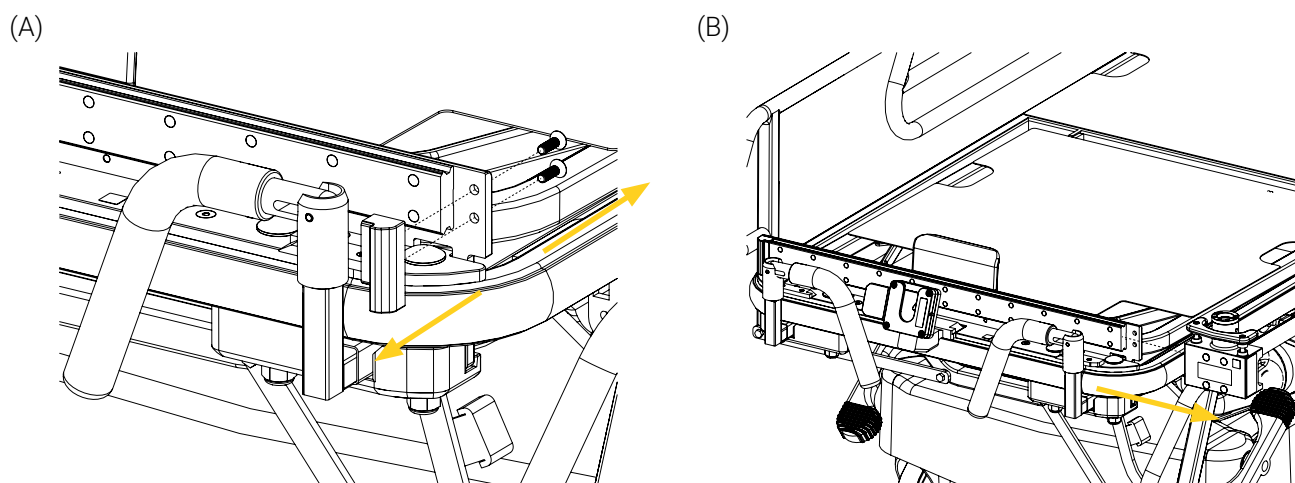


Figure 88: Removing the stop block

7. Lift and hold the quick-release handle, then install the new sliding block on the rail (Figure 89A).
8. Reinstall the stop block on the rail system and secure using the two (2) M6-1 mm X 20 mm L countersunk head screws coated with medium strength thread lock adhesive () and a 4 mm hex key (Figure 89B).

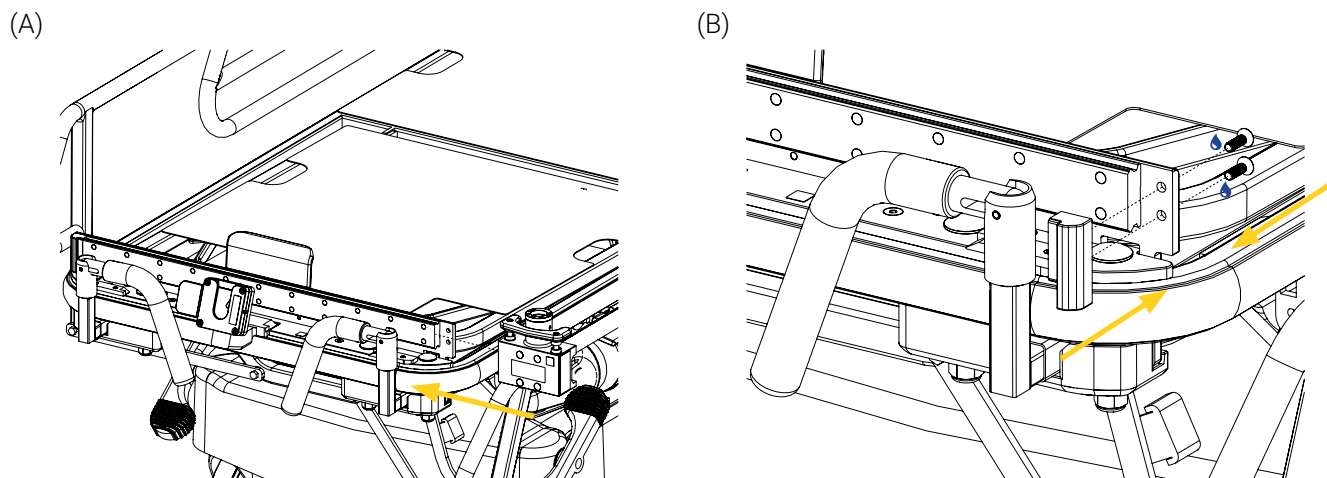


Figure 89: Installing the new sliding block

9. Move the stop block back and forth a few times to ensure it is secured on the rail system. If the block does not move after the verification, it is properly secured.
10. Move the sliding block from side to side along the rail to ensure no resistance is felt when it is moved.
11. Reinstall the IV pole on the sliding block (Figure 90A) using the two (2) ¼-20 X 1¼ in. L set screws coated with medium strength thread lock adhesive () and a 1/8 in. hex key (Figure 90B).

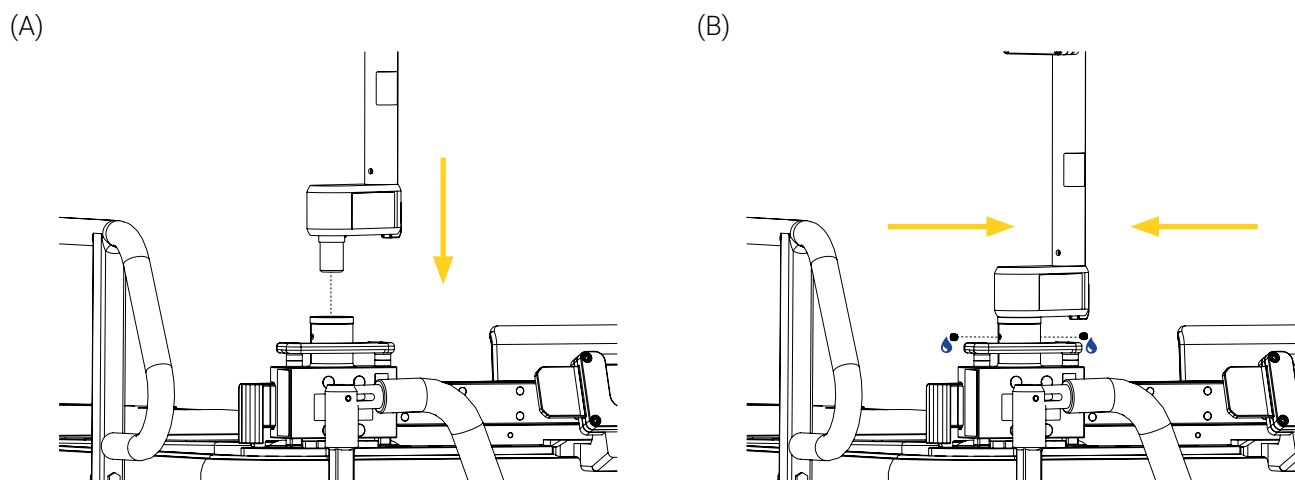


Figure 90: Reinstalling the IV pole

12. Move the IV pole up and down a few times to ensure it is properly secured in the sliding block and that it does not rotate in the holder. If the IV pole does not move after the verification, it is properly secured.

The replacement of the sliding block is complete.

Annex IX IV Pole Hook Rack 913-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

Estimated Replacement Time

- 5 minutes

Replacement Kit Parts

- IV pole rack with four (4) hooks
- 10-32 X 1½ in. flat head screw

Customer-Provided Tools

- Philips screwdriver #2
- Medium strength thread lock adhesive ()

Replacement Procedure

1. Apply the brakes of the stretcher.
2. Remove the IV bags and medical devices from the ContinuuMed RIV, then set them aside on a clean surface temporarily. Refer to the « Remove the Medical Device from the Flex Sequor Assemblies » section on page 48 and to the « Remove the IV Bags from the IV Pole Hooks » section on page 53 if needed.

3. Remove the IV pole hook rack screw (Figure 91A) using a Philips screwdriver #2, then lift and remove the hook rack (Figure 91B). The screw and hook rack will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

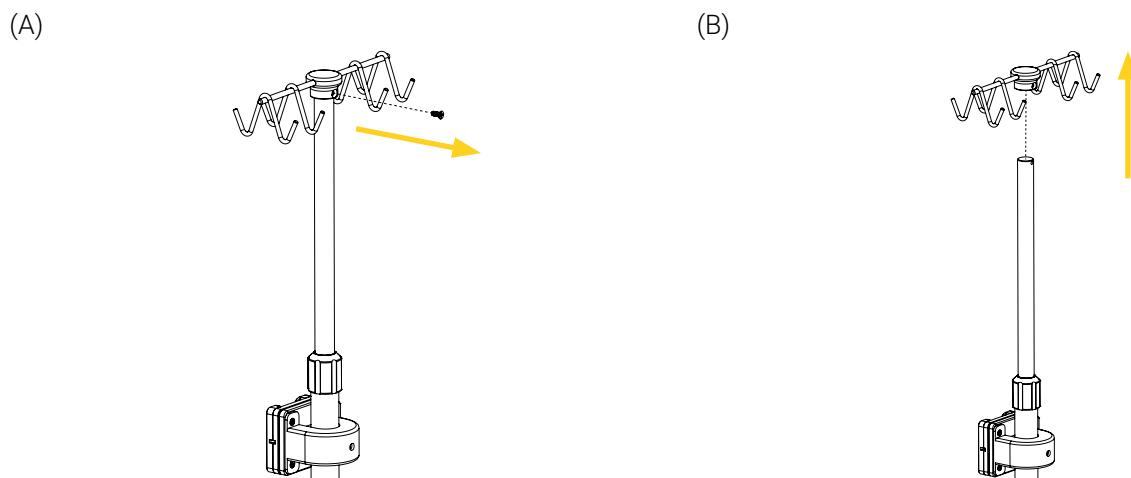


Figure 91: Removing the IV pole hook rack

4. Align and install the new hook rack on top of the IV pole (Figure 92A), then secure using the 10-32 X 1/2 in. flat head screw coated with medium strength thread lock adhesive (🔹) and a Philips screwdriver #2 (Figure 92B).

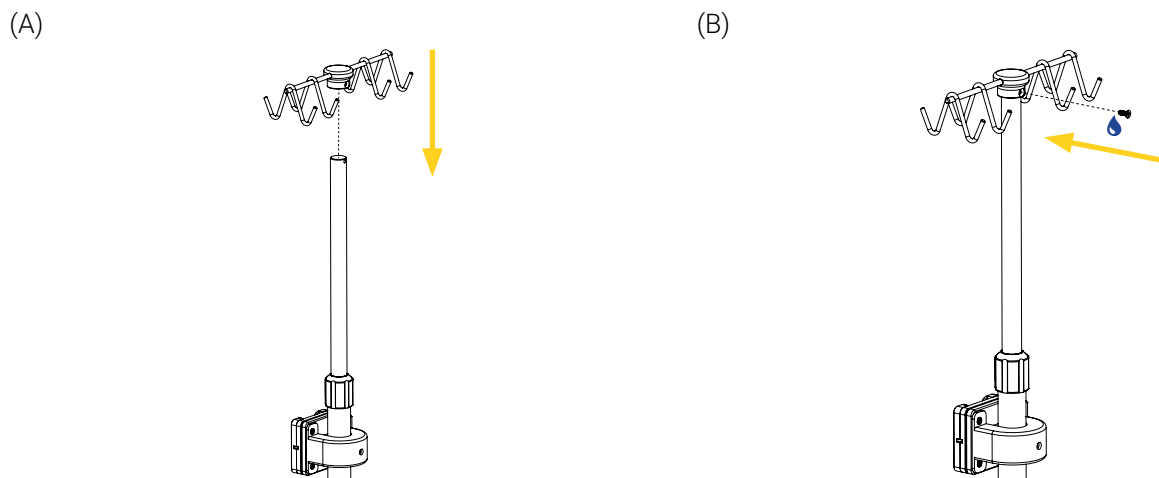


Figure 92: Installing the new IV pole hook rack

5. Move the hook rack up and down a few times to ensure it is secured on the IV pole. If the hook rack does not move after the verification, it is properly secured.

The replacement of the IV pole hook rack is complete.

Annex X Cable Management Hook 914-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the Techlem Premier Series 5000 stretcher's user documentation and to your established internal protocols if needed.

Estimated Replacement Time

- 5 minutes

Replacement Kit Parts

- 3/4 in. D cable management hook (2X)
- 6-32 X 1/4 in. pan head hex screw (2X)

Customer-Provided Tools

- 5/64 in. hex key
- Medium strength thread lock adhesive ()

Replacement Procedure

1. Apply the brakes of the stretcher.
2. Remove the medical device from the PS5000 Clamp Block FQ, then set it aside on a clean surface temporarily. Refer to the « Remove the Medical Device from the Flex Sequor Assemblies » section on page 48 if needed.

3. Remove the two (2) screws and two (2) hooks from the clamp block using a $\frac{5}{64}$ in. hex key (Figure 93). The screws and hooks will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the parts.

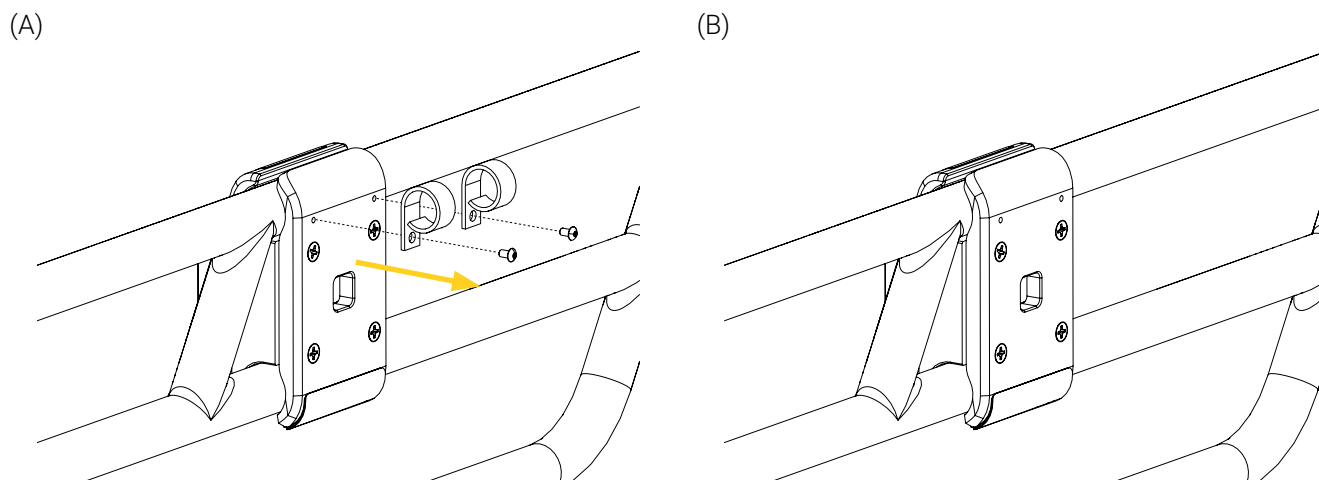


Figure 93: Removing the cable management hooks

4. Install the two (2) new hooks on the clamp block using the two (2) 6-32 X $\frac{1}{4}$ in. pan head hex screws coated with medium strength thread lock adhesive (🔵) and a $\frac{5}{64}$ in. hex key (Figure 94).

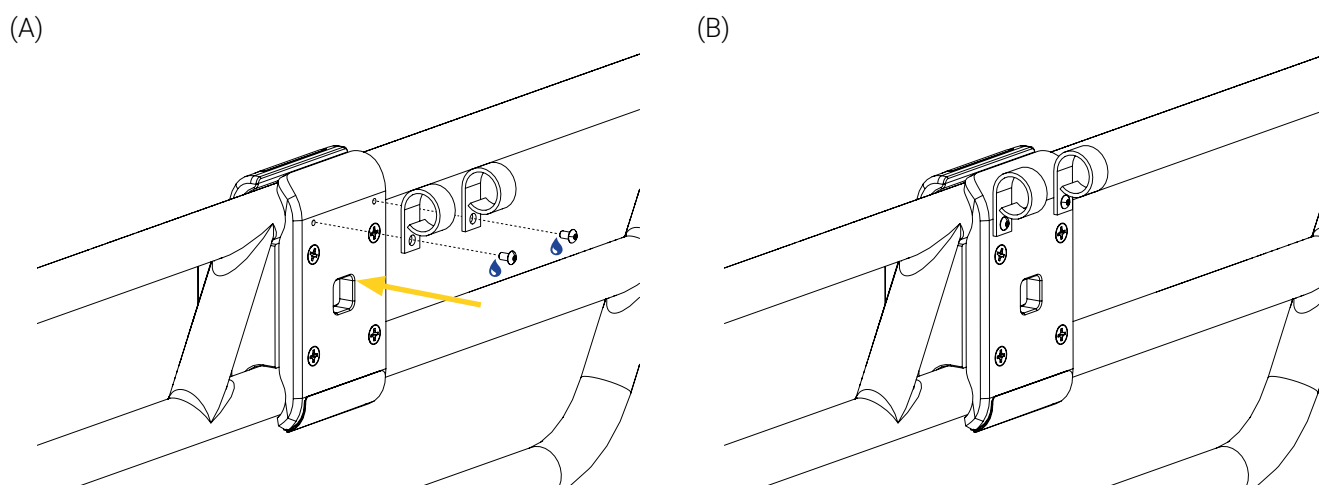


Figure 94: Installing the new cable management hooks

5. Move the hooks up and down and from side to side a few times to ensure they are secured on the clamp block. If the hooks does not move after the verification, they are properly secured.

The replacement of the cable management hooks is complete.

Annex XI Cylinder Harness – PS5 Strap 915-00-CMD-KT Replacement



The content in this section is intended for personnel who have an expert level of competency. Refer to the « User Competency » section on page 7 if needed.



WARNING – Risk of Injury

Always wear/use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.) during the installation.

NOTE : Refer to the gas cylinder and the Techlem Premier Series 5000 stretcher's user documentation, as well as to your established internal protocols if needed.

Estimated Replacement Time

- 2 minutes

Replacement Kit Parts

- 1 in. W X 12 in. L strap

Replacement Procedure

1. Apply the brakes of the stretcher.
2. Undo the slide buckle and remove the gas cylinder from the Cylinder Harness – PS5. Refer to the « Remove the O2 Gas Cylinder from the Cylinder Harness – PS5 » section on page 55 if needed.
3. Pull on the strap by the buckle until it is removed from the Cylinder Harness – PS5 (Figure 95A). The strap will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the part.
4. Thread the end of the strap through the two (2) eyelets of the Cylinder Harness – PS5, until both ends of the strap are equal length and lays flat along the entire inner surface of the holder (Figure 95B).

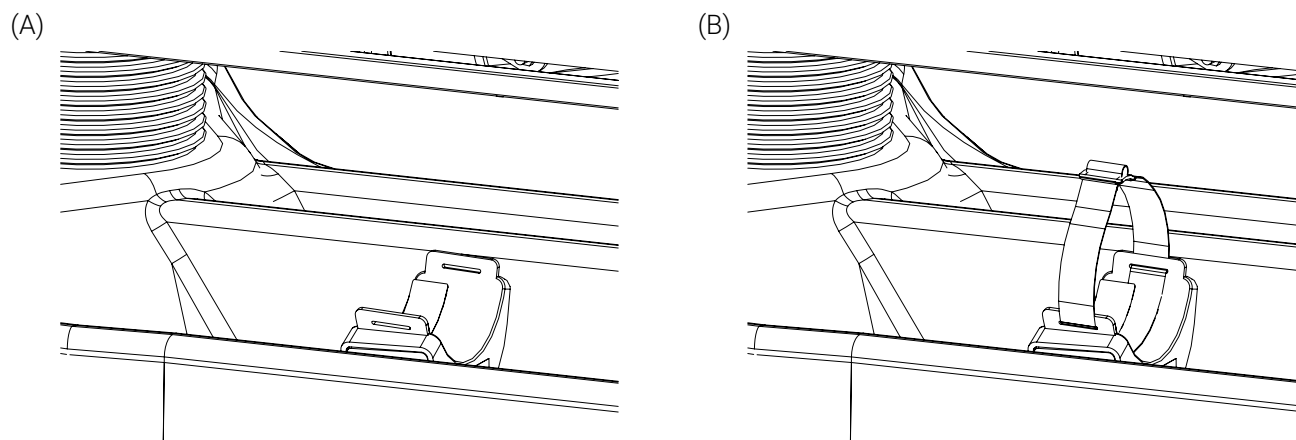


Figure 95: Cylinder Harness – PS5 strap replaced

The replacement of the Cylinder Harness – PS5 strap is complete.



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