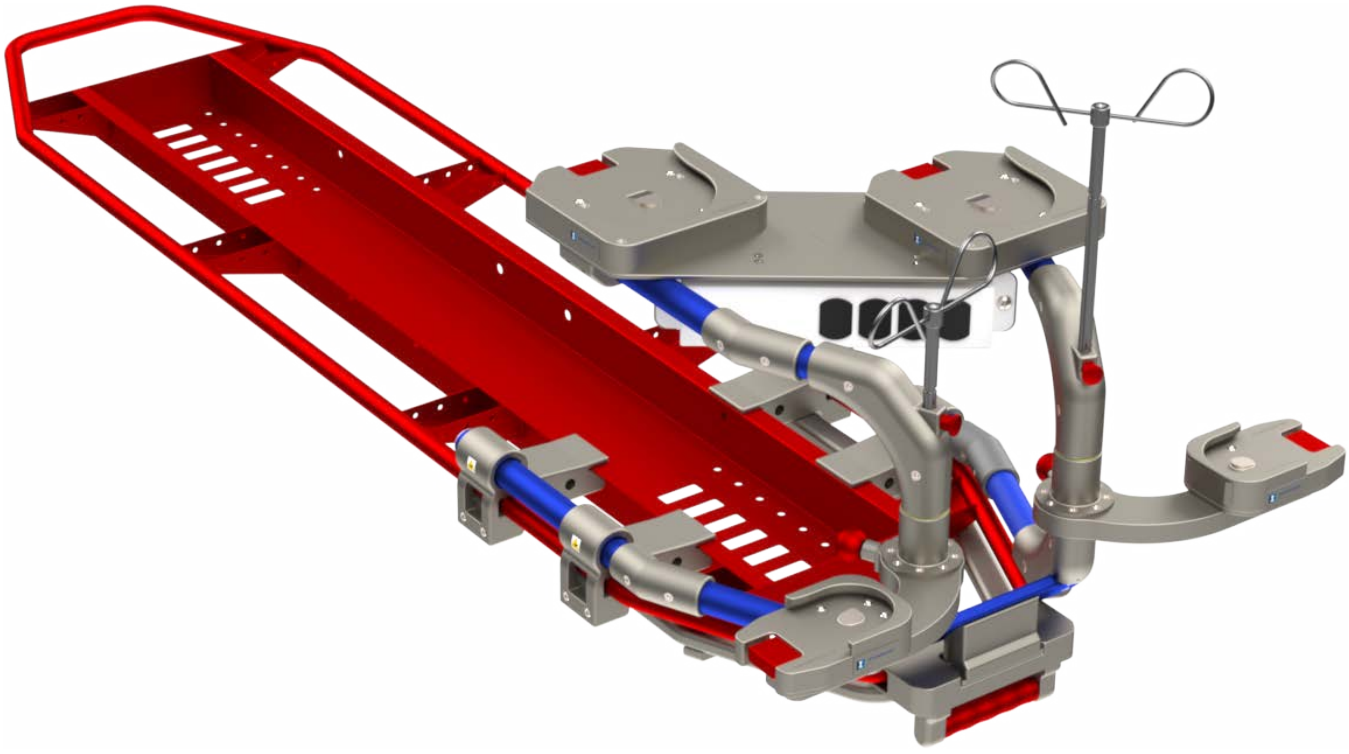
TECHNIMOUNT
EMS®

XTENSION PRO® ASSISTANT – LP

USER MANUAL



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SAFETY AND FLEXIBILITY
WHERE IT MATTERS MOST

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For any issues with your Technimount product, its components, or for any technical questions during the installation, operation, or maintenance, please contact Technical Support at techsupport@technimount.com.

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Table of Contents

1. General Mentions and Considerations

The Xtension Pro Assistant – LP 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) and maintenance of the Technimount product. It also includes specific user-related information to assist trained EMS and clinical personnel with effectively operating the mounting solution.

Please read the user manual thoroughly to fully assess, comprehend, then relay its content to EMS and 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 existing 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 Xtension Pro Assistant – LP is designed to aid trained EMS and clinical personnel secure and move medical devices in airplanes and helicopters, exclusively during air emergency medical services and critical care.

1.2. User Competency

To safely operate the mounting solution, EMS and clinical personnel must have the required skill level. Training should be given to EMS and clinical personnel, taking in account the skill level that is necessary to comply with their function and level of interaction with the Xtension Pro Assistant – LP:

- **Proficient (trained EMS and clinical personnel):** Has received the required training, is sufficiently knowledgeable to safely operate the product and have passed the skills assessment (refer to « Annex V EMS and clinical personnel Skills Assessment » on page 27).

  NOTE : Any member of the EMS and 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.

- **Expert (administrator/manager/supervisor):** Has in-depth knowledge and product comprehension, and is familiar with standards and guidelines. Skilled to train EMS and 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 in « Annex VIII Maintenance » on page 39, basic troubleshooting, upgrade procedures and replacement procedures.

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 E.M.S. Holding 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

Technimount products are intended to retain medical devices in place in the a single emergency landing. Technimount products must not be reused if involved in a single emergency landing and must thereafter be replaced. If the end user uses a Technimount product following a single emergency landing, it is at the end user's own risk and Technimount will not be held liable.

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", used to hold and secure medical devices, is specifically designed to fill 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 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).

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 on page 7) 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

Always read and abide by all the safety guidelines identified within this document. Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury to the patients or EMS and clinical personnel, or damage to 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.

WARNING – Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION – Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

2.1. Symbols and Definitions

WARNING – Sitting Prohibited

Alerts the reader of potential risk to the patients or EMS and clinical personnel from an improper use of the product.

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 EMS and clinical personnel, 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, EMS and clinical personnel and 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 EMS and 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 total maximum charge for a safe use of the product.

CAUTION – Two (2) Person Lift

Heavy load. Alerts the reader to a two (2) person lift carrying technique recommendation based on the weight and/or size of the product.

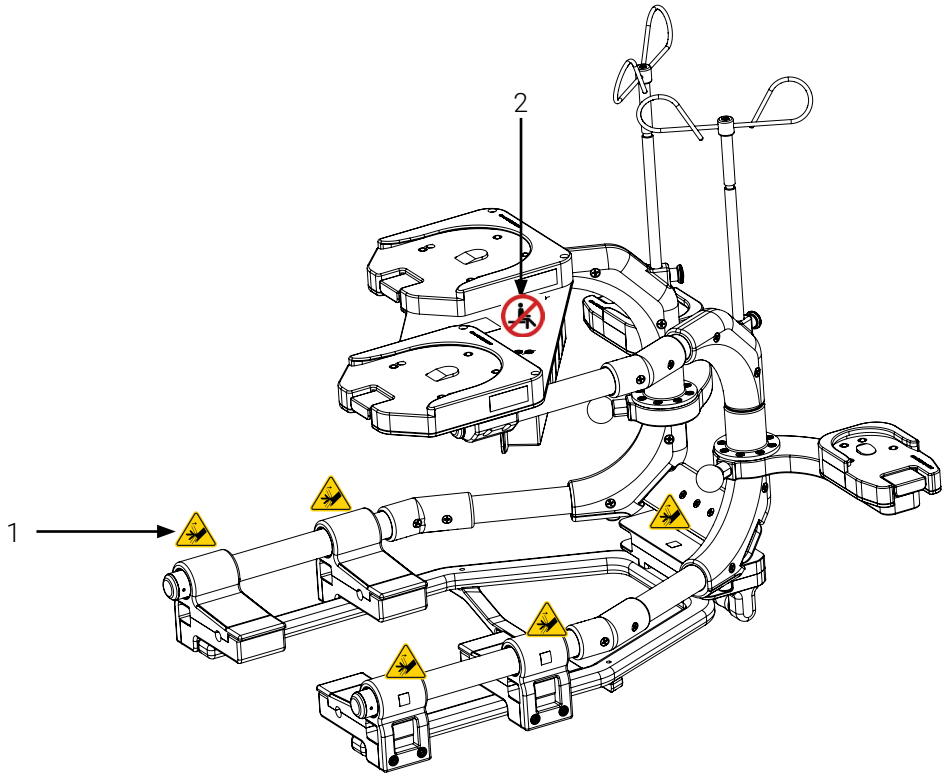
CAUTION – Follow Instructions for Use

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 (Figure 1) and a manufacturing label, including the serial number (Figure 2), can be seen on the Technimount product.

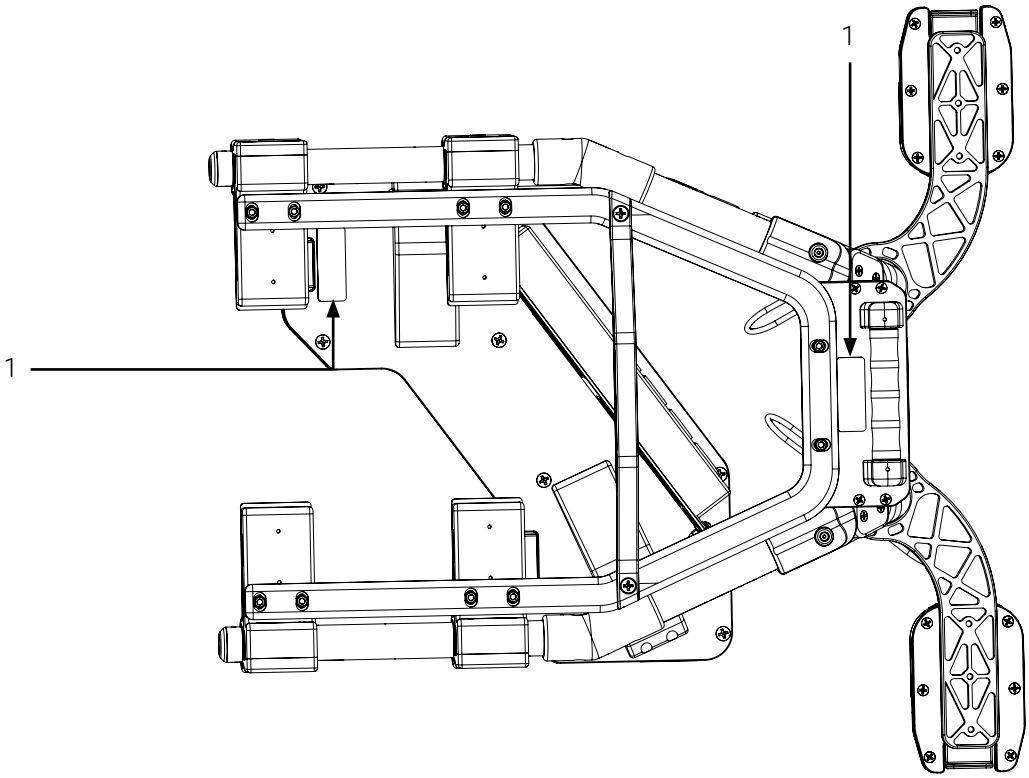
2.2.1. Safety Labels



1. Pinch Point safety label (5X)
2. **Do Not** Sit safety label

Figure 1: Location of the safety labels

2.2.2. Manufacturing Label



1. Manufacturing label (2X)

Figure 2: Location of the manufacturing labels (bottom view)

2.3. Safety Measures

Carefully read all the safety measures herein before operating the Technimount product, relay to EMS and clinical personnel during training, and include in your existing protocols.

More specific safety measures intended for biomedical technicians (or equivalent) relating to the safety checks and conditioned-based maintenance can be found in « Annex VIII Maintenance » on page 39.

WARNING – Sitting Prohibited

Do not sit on the mounting solution to avoid risks of tipping, risks of damage, equipment falling, or injuries to the patients or EMS and clinical personnel.

WARNING – Hand Crush/Pinch Point

Keep hands and fingers away from the clamp blocks and handle when installing or removing the mounting solution to avoid injury.

WARNING – Risk of Injury

- Always use compatible support brackets and medical devices when applicable, to avoid unpredictable functioning resulting injury to the patients or EMS and clinical personnel. Refer to the « Technical Specifications » on page 14 for compatibilities.
- Improper use of the Technimount product may damage it or cause injury to the patients or EMS and clinical personnel.
- If any serious incident occurs with the mounting solution, immediately stop using the product, report this incident to Technical Support at technicalsupport@technimount.com and the applicable regulatory agency.

CAUTION – Safe Practice

- Always pay close attention to the condition of the safety mechanisms, to prevent undue risk to the mounting solution, patients, and EMS and clinical personnel. Follow the recommended maintenance plan and its guidelines, as described in the user manual.
- Practice safely operating the mounting solution until the manipulations have been perfected, before use with patients. Improper use of a Technimount product may damage it or cause injury to the patients or EMS and clinical personnel.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that the installation specifications meet the local and regional compliance requirements before use.
- Refer to your established protocols and the user documentation provided with each specific medical device for the safety guidelines and safe use.

CAUTION – Safe Handling and Operation

- Always ensure that the medical devices and accessories have been removed from the Xtension Pro Assistant – LP before installing/removing the mounting solution on/from the stretcher.
- Always ensure the medical devices are secured in their brackets, the brackets are secured on the mounting solution, the mounting solution is secured in the clamp blocks and that the handle is locked before moving the stretcher.

CAUTION – Safe Working Load (SWL)/Load Balance

Do not overload the Xtension Pro Assistant – LP and IV poles to avoid tipping incidents or risks of collapsing. For specifications, contact Customer Service at customerservice@technimount.com.

CAUTION – Two (2) Person Lift

Two (2) trained EMS and clinical personnel are required to safely lift the mounting solution.

CAUTION – Follow the Instruction for Use

- Always read and abide by all the safety guidelines identified, as well as follow instructions provided within the user manual of the Technimount product.
- The Xtension Pro Assistant – LP may contain optional medical equipment and accessories. Refer to their specific user documentation for the safety guidelines and safe use.

3. Technical Specifications

Product Name	Xtension Pro® Assistant – LP
Description	Mounting solution designed to aid trained EMS and clinical personnel secure and move medical devices in airplanes and helicopters during emergency medical services and critical care
Product Code	- Mobile structure: 1610-10-LPT01-ARC - Cot support structure with crossbar: 1610-11-LPT01-LOC
Operating Environment	EMS/CCT (air)
Compliance	Tested in compliance with 14 CFR 23.561 & 25.561 (for further details, contact Customer Service at customerservice@technimount.com)
Expected Service Life	10 years
Compatible Stretcher	LifePort® AeroSled TS, AS1-001
Compatible Mounting System	N/A
Compatible Medical Devices/ Accessories	- ZOLL X Series® monitor/defibrillator - Hamilton-T1® ventilator For more compatible medical devices, contact Customer Service at customerservice@technimount.com

Dimensions (W X D X H)	- Xtension Pro® Assistant – LP: 18.88 in. X 25.4 in. X 20.38 in. (47.96 cm X 64.52 cm X 51.77 cm)
	- Xtension Pro® Assistant – LP (swivel micro shelf deployed): 26.3 in. X 33.72 in. X 20.38 in. (66.8 cm X 85.65 cm X 51.77 cm)
	  - Mobile structure: 18.88 in. X 25.4 in. X 16.84 in. (47.96 cm X 64.52 cm X 42.77 cm)
	  - Mobile structure (swivel micro shelf deployed): 26.3 in. X 33.72 in. X 16.84 in. (26.3 cm X 85.65 cm X 42.77 cm)
	  - Cot support structure with crossbar: 18.82 in. X 23.73 in. X 5.8 in. (47.80 cm X 60.27 cm X 14.73 cm)
	  - Cot support structure w/o crossbar: 18.82 in. X 23.73 in. X 5.12 in. (47.80 cm X 60.27 cm x 13 cm)

Weight	Xtension Pro® Assistant – LP: 51.1 lb (23.23 kg) - Mobile structure: 35.4 lb (16.1 kg) - Cot support structure with crossbar: 15.89 lb (7.22 kg) - Cot support structure w/o crossbar: 15.36 lb (6.98 kg)
Composition	- Mobile structure: aluminum, stainless steel - Cot support structure: aluminum
Total Safe Working Load (SWL)	For specifications, contact Customer Service at customerservice@technimount.com
Operating Temperature	- 31° F to 113° F (- 35° C to 45° C)

Tested 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	- Mobile structure with perpendicular base: 1611-10-LPT01-ARC - Cot support structure w/o crossbar: 1611-10-LPT01-LOC For more compatible options, contact Customer Service at customerservice@technimount.com

4. Xtension Pro Assistant – LP Orientation Diagrams

NOTE : The orientations referenced herein are from the stretcher standpoint.

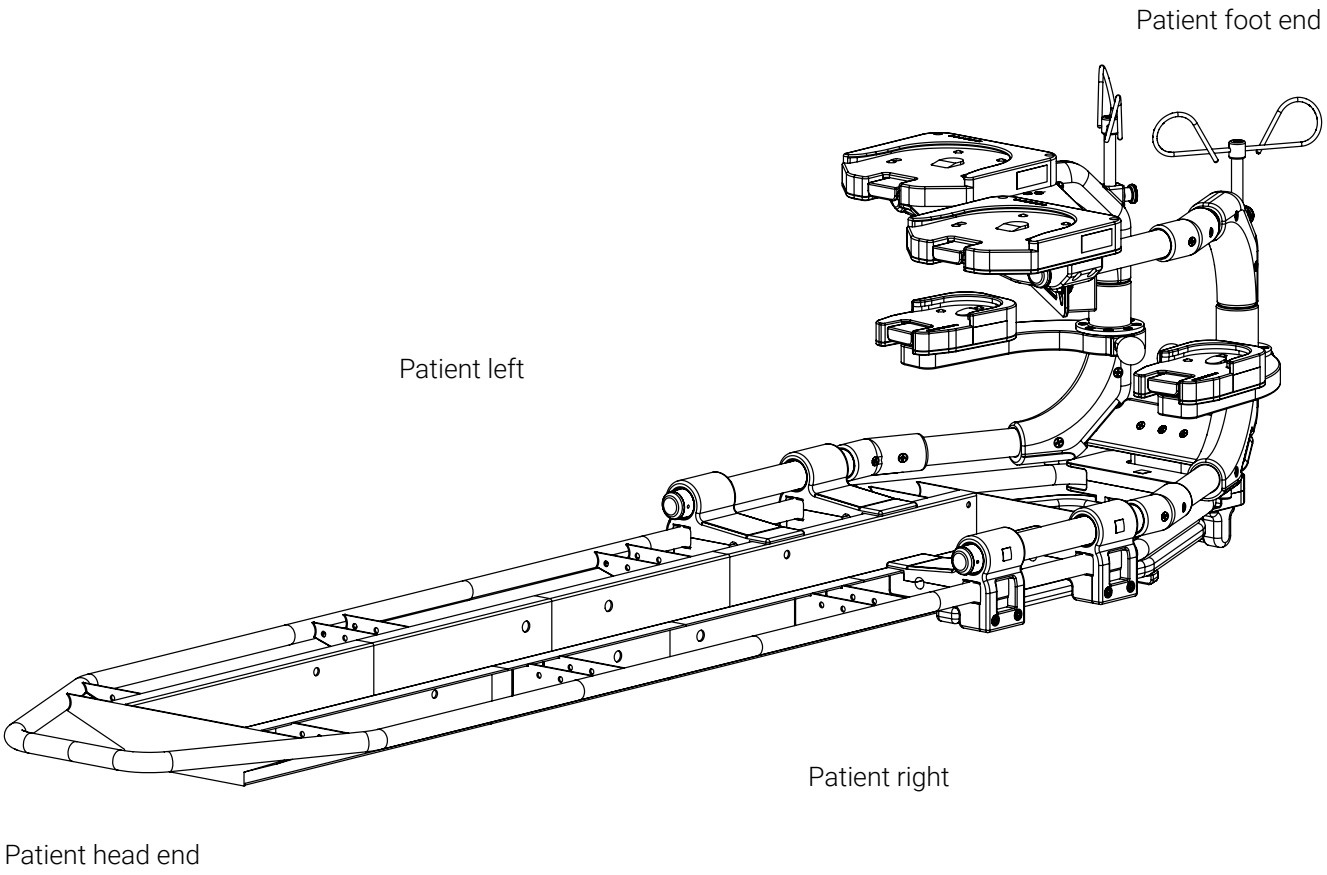
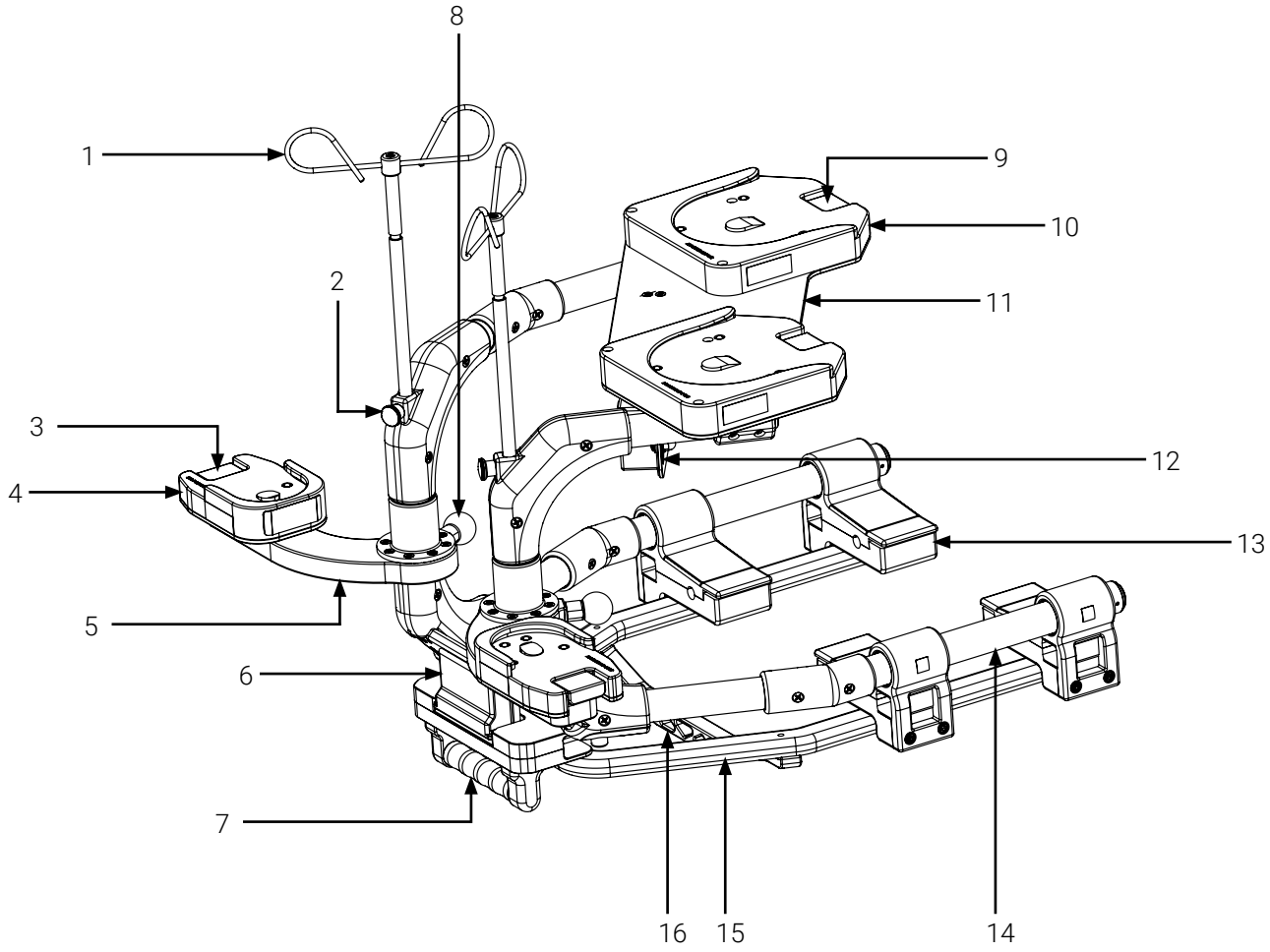


Figure 3: Xtension Pro Assistant – LP orientation diagram

5. Xtension Pro Assistant – LP Illustrated Parts



1. IV pole (2X)
2. Quick release knob (IV pole; 2X)
3. Quick release button (Micro Base; 2X)
4. Micro Base (2X)
5. Swivel micro shelf (2X)
6. Locking mechanism (mobile structure)
7. Quick release handle
8. Quick release knob (swivel micro shelf; 2X)
9. Quick release button (Surface Standard Base; 2X)
10. Standard Surface Base (2X)
11. Top plate
12. Power bar (under the top plate)
13. Clamp block (4X)
14. Tubular arm (mobile structure; 2X)
15. Cot support structure
16. Crossbar

Figure 4: Xtension Pro Assistant – LP components

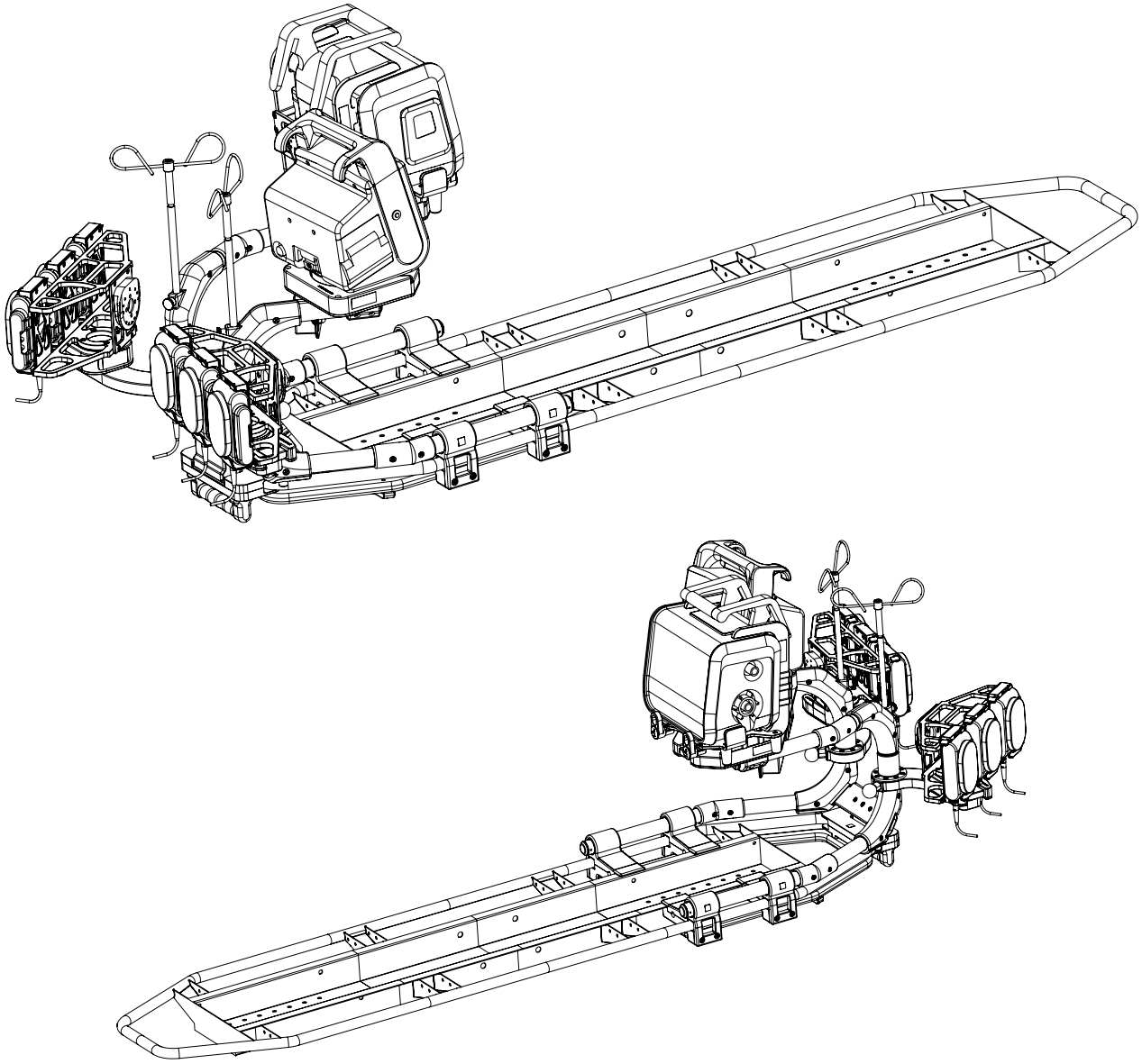


Figure 5: Xtension Pro Assistant – LP with medical devices/accessories

6. Operate the Xtension Pro Assistant – LP

The contents in this section is intended for EMS and clinical personnel who are proficient, have received the required training and passed the skills assessment, therefore sufficiently knowledgeable to safely operate the mounting solution.

NOTE : Only a support bracket with a standard bottom disc can be installed on the Standard Surface Base, and a support bracket with a micro disc (horizontal) can be installed on the Micro Base. Refer to the appropriate Bracket Pro Serie user manual to follow the appropriate instructions for installation and use, if needed.

6.1. **Install the Mobile Structure on the Cot Support Structure**

1. Ensure that the medical devices have been removed from the mounting solution. Refer to « Remove a Medical Device from the Standard Surface Base/Micro Base » on page 22.
2. Ensure that the swivel micro shelves are retracted. Refer to « Retract the Swivel Micro Shelf » on page 25.
3. Lift and insert the tubular arms of the mobile structure in the clamp blocks of the cot support structure (Figure 6) using a safe lifting technique Refer to the « Safety Measures » on page 12 and to your established protocols if needed.

(A) (B)

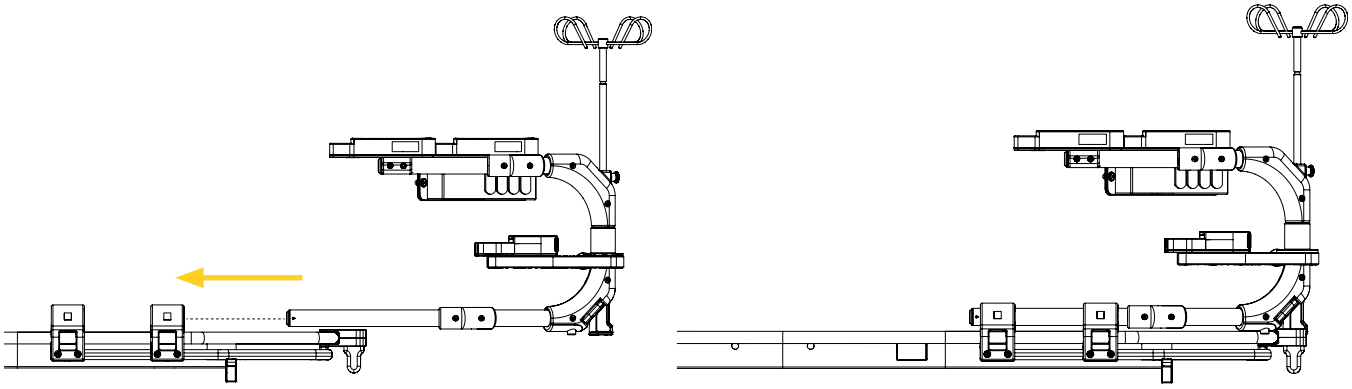


Figure 6: Installing the mobile structure on the cot support structure

4. Push the mobile structure in the clamp blocks until the safety mechanism activates and locks (Figure 7).

(A) (B)

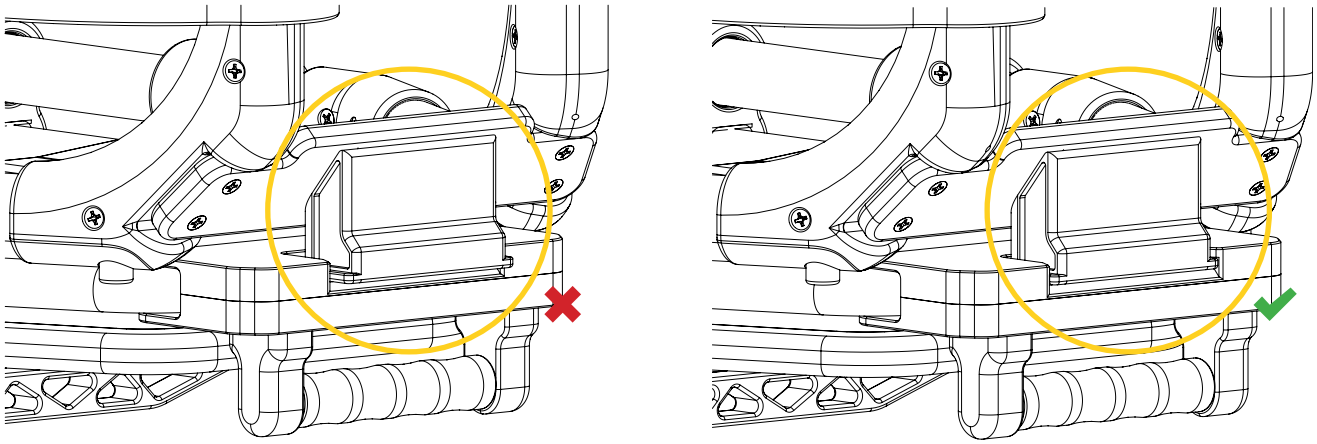


Figure 7: Activating the 2-part safety mechanism of the handle

5. Move the mobile structure back-and-forth a few times to ensure that the locking mechanism is functional and properly engaged. If the mobile structure stays in the cot support structure after the verification, it is secured.

The installation of the mobile structure on the cot support structure is complete.

6.2. Remove the Mobile Structure from the Cot Support Structure

1. Ensure that the medical devices have been removed from the mounting solution. Refer to « Remove a Medical Device from the Standard Surface Base/Micro Base » on page 22.
2. Ensure that the swivel micro shelves are retracted. Refer to « Retract the Swivel Micro Shelf » on page 25.
3. Pull and hold the quick release handle downwards to deactivate the safety mechanism (Figure 8).

(A) (B)

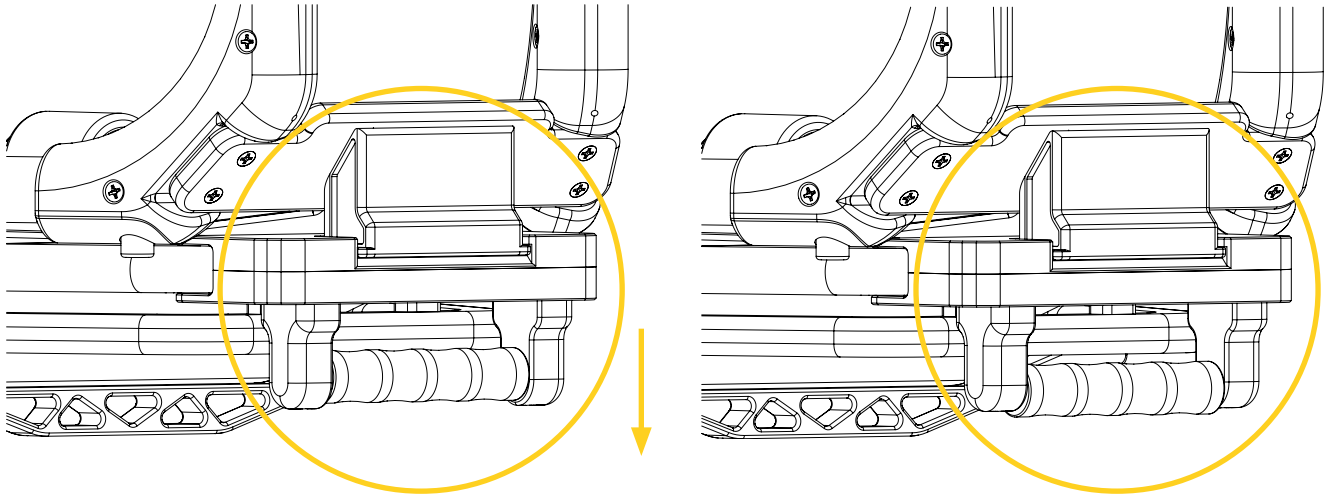


Figure 8: Deactivating the 2-part safety mechanism of the handle

4. Pull out the mobile structure from the cot support structure (Figure 9) using a safe lifting technique Refer to the « Safety Measures » on page 12 and to your established protocols if needed.

(A) (B)

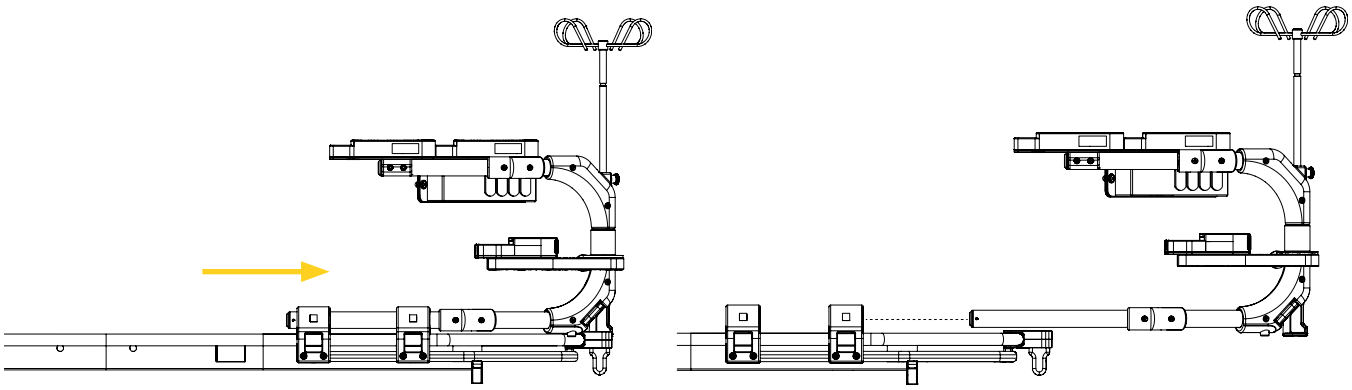


Figure 9: Removing the mobile structure from the cot support structure

5. Set the mobile structure on a flat and clean surface or, store it in its dedicated storage space. Refer to and follow your established internal protocols.

The removal of the mobile structure from the cot support structure is complete.

6.3. Install a Medical Device on the Standard Surface Base/Micro Base

1. Align and insert the Standard bottom disc under the support bracket in the Standard Surface Base (Figure 10) or micro disc in the Micro Base (Figure 11) horizontally, then push the bracket all the way back in the base until it is locked.

(A) (B)

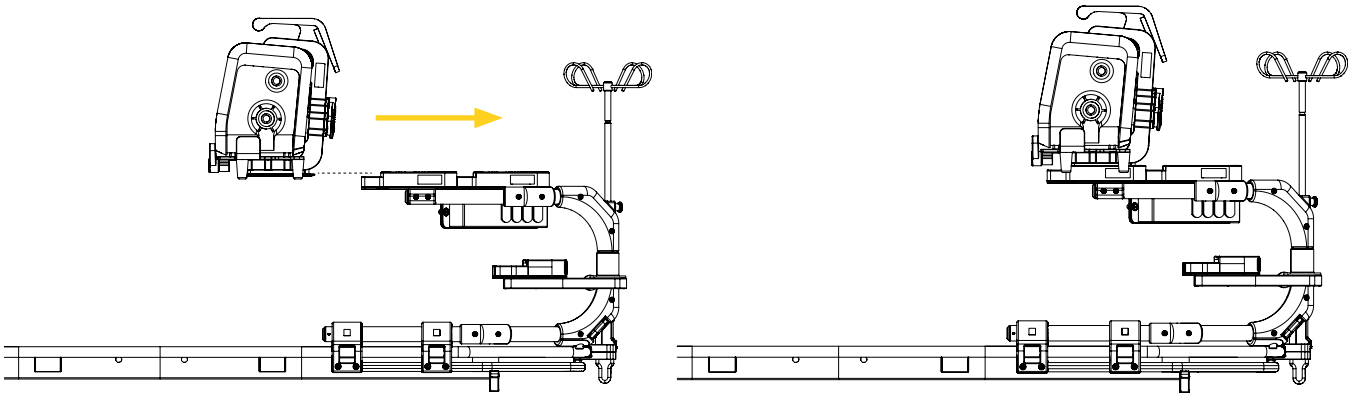


Figure 10: Installing a medical device on a Standard Surface Base

(A) (B)

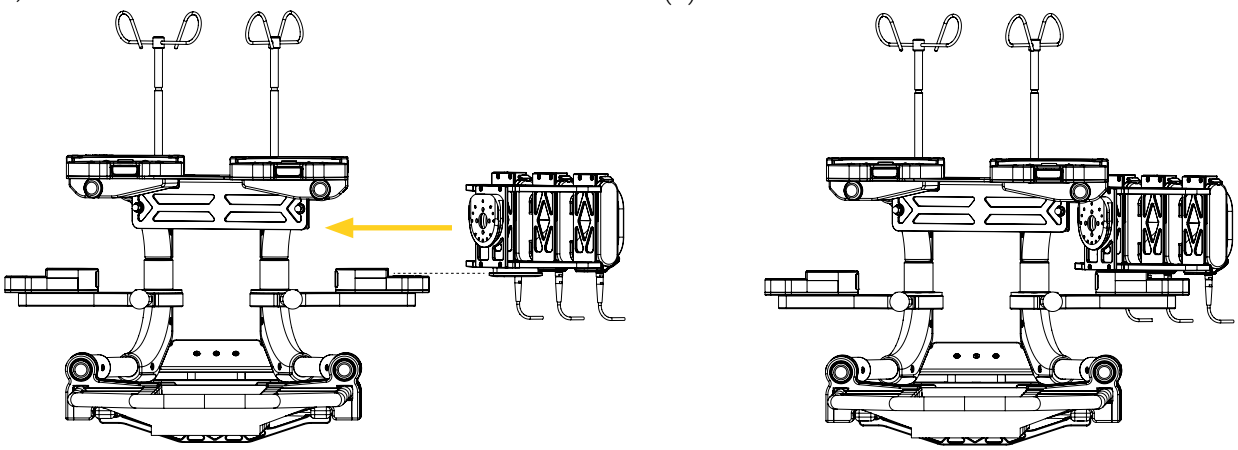


Figure 11: Installing a medical device on a Micro Base

2. Move the support bracket back-and-forth a few times to ensure it is locked and secured in the base. If the disc stays in the base after the verification, it is properly secured.

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

6.4. Remove a Medical Device from the Standard Surface Base/Micro Base

1. Press and hold the quick release button of the Standard Surface Base (Figure 12) or Micro Base (Figure 13), then pull the disc of the support bracket horizontally out of the base.

(A) (B)

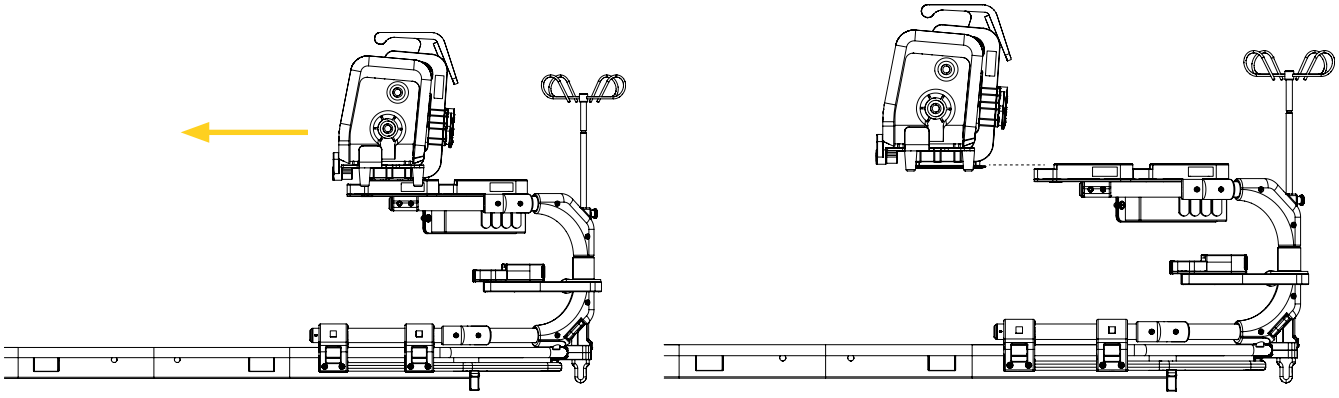


Figure 12: Removing the medical device from the Standard Surface Base

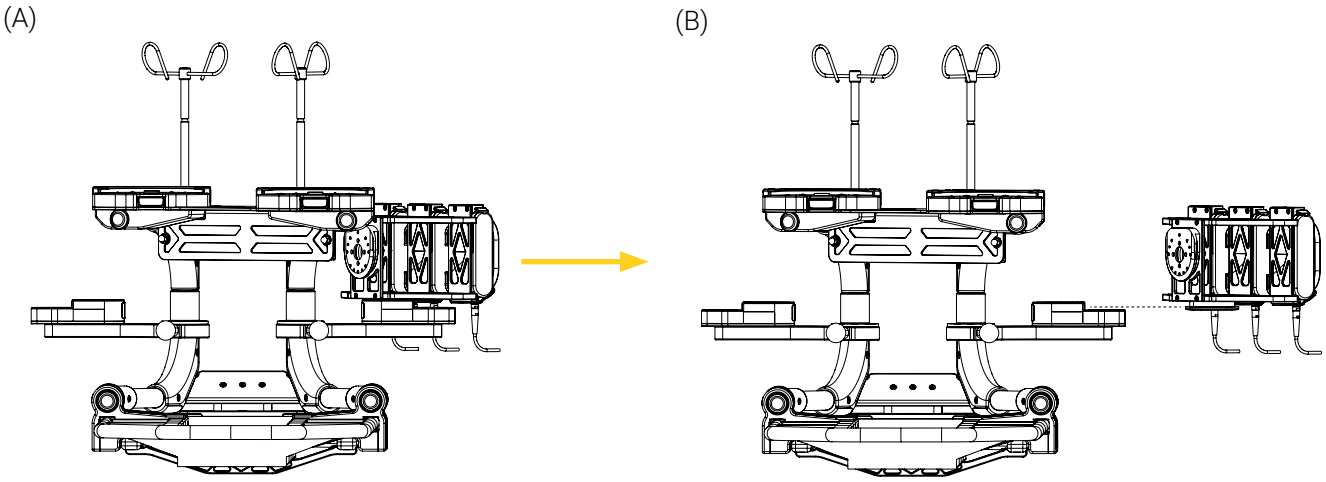


Figure 13: Removing the medical device from the Micro Base

2. Set the support bracket on a flat and clean surface or, store it in its dedicated storage space. Refer to and follow your established internal protocols.

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

6.5. Operate the Xtension Pro Assistant – LP

Move the medical devices on the mounting solution, depending on your specific positioning needs.

6.5.1. Rotate the medical device 360° in the Standard Surface Base/Micro Base

Rotate the medical device 360° clockwise or counterclockwise, to the desired position (Figure 14 and Figure 15).

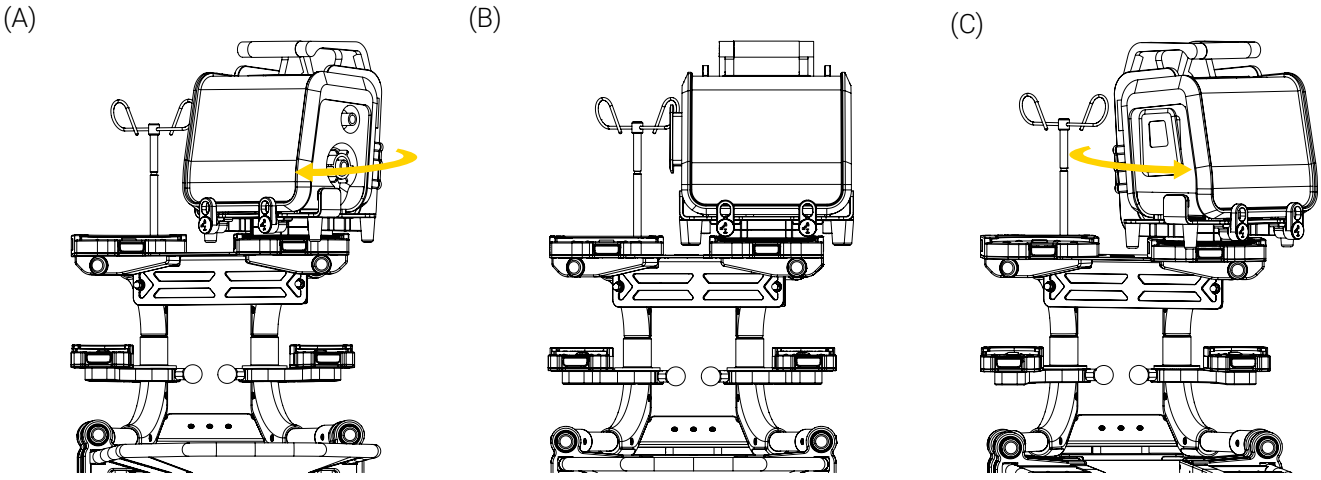


Figure 14: Operating the Xtension Pro Assistant – LP - Standard Surface Base

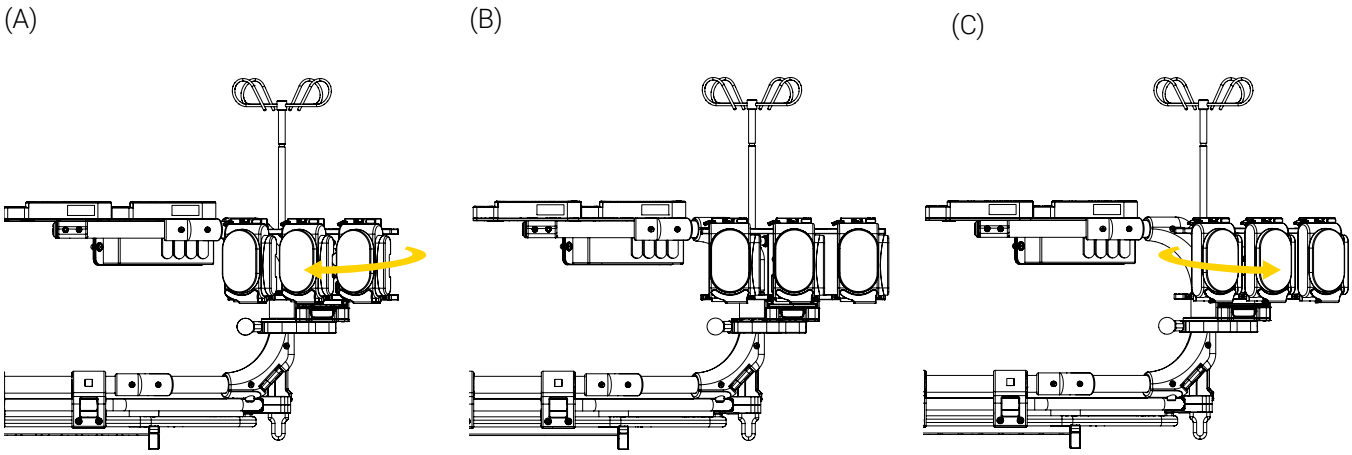


Figure 15: Operating the Xtension Pro Assistant – LP - Micro Base

6.5.2. Extend the Swivel Micro Shelves

1. Pull and hold the quick release knob of the swivel micro shelf (Figure 16 A), push the shelf on patient left clockwise and/or the shelf on patient right counterclockwise (Figure 16 B), then release the button (Figure 16 C).
2. Push the swivel micro shelf until the safety mechanism engages at the desired position.

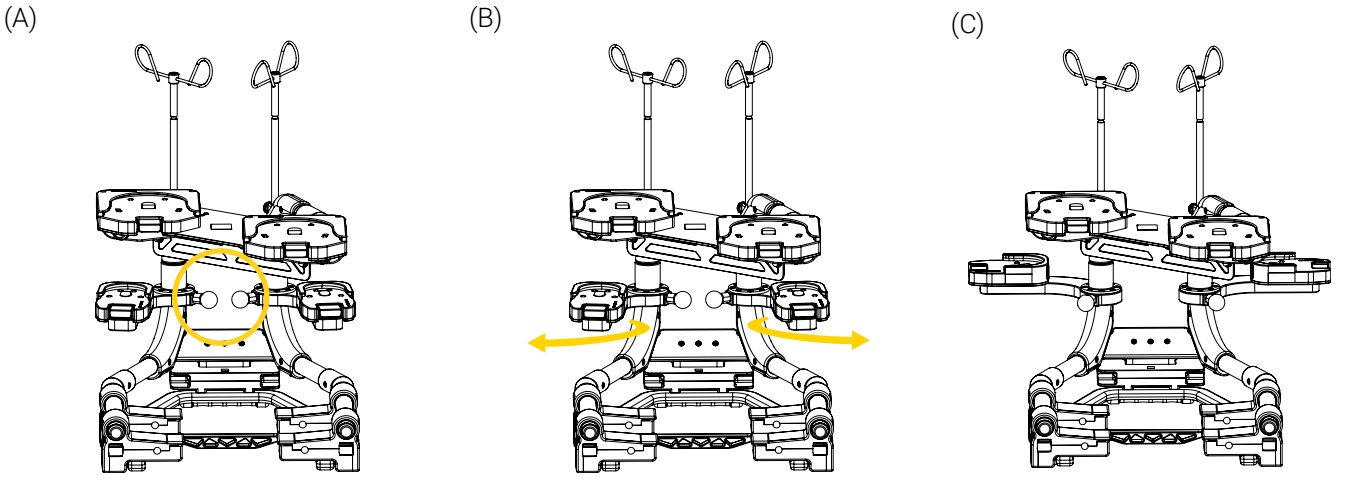


Figure 16: Extending the swivel micro shelves

3. Move the swivel micro shelf back-and-forth a few times to ensure it is locked and secured in the deployed position. If the shelf stays in position after the verification, it is properly secured.

6.5.3. Retract the Swivel Micro Shelf

1. Pull and hold the quick release knob of the swivel micro shelf (Figure 17 A), push the medical device on patient left counterclockwise and/or the medical device on patient right clockwise (Figure 17 B), then release the button (Figure 17 C).
2. Push the swivel micro shelf until the safety mechanism engages and locks in the desired position.

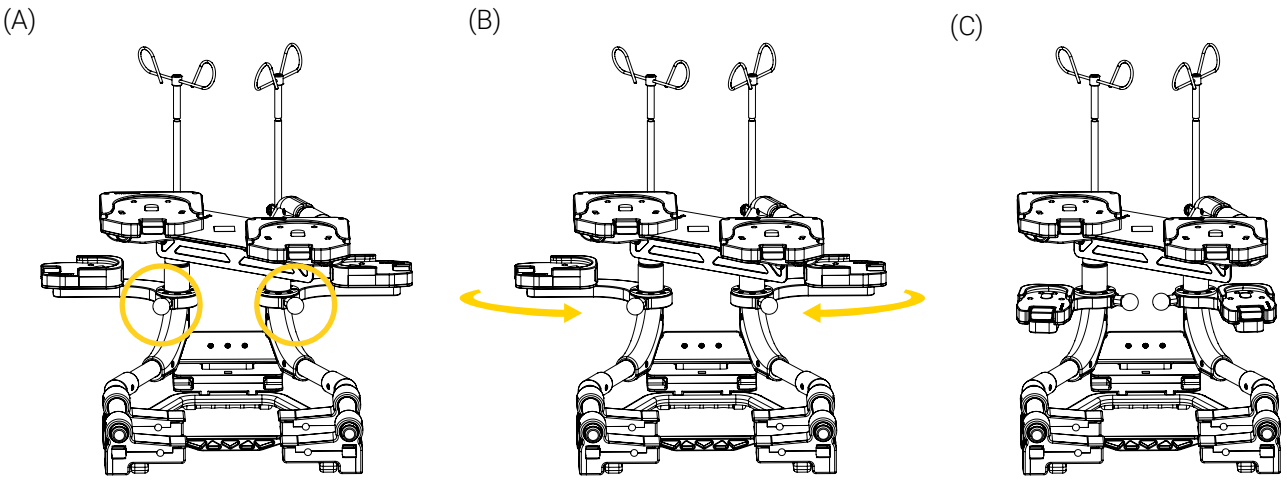


Figure 17: Retracting the swivel micro shelves

3. Move the swivel micro shelf back-and-forth a few times to ensure it is locked and secured in the retracted position. If the shelf stays in position after the verification, it is properly secured.

6.5.4. Operate the IV Poles

Pull and hold the quick release knob of the IV pole holder, then raise or lower the IV pole or remove it completely (Figure 18).

(A) (B)

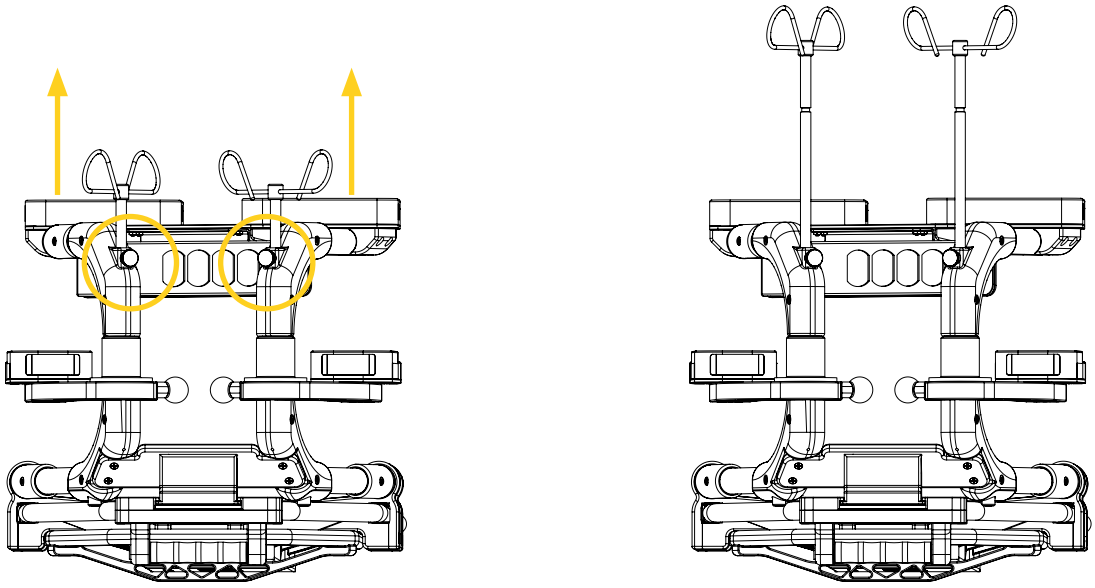


Figure 18: Operating the IV poles

Annex V EMS and clinical personnel Skills Assessment

Following training, a skills assessment should be given to each member of the EMS and 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 mounting solution. Consider adding the following to your internal training protocols.

Trainee name: Unit:

Assessor name: Date:

clinical staff **SKILLS ASSESSMENT**		
SKILL CRITERIA	PASSED	FAILED
Labelling		
- Able to identify meaning and potential risks associated with the different safety labels:		
- **Do not** sit	☐	☐
- Hand Crush/Pinch Point	☐	☐
Safety Measures		
- Knows to always use compatible support brackets and medical devices.	☐	☐
- Knows to always pay close attention to the condition of the safety mechanisms.	☐	☐
- Knows to always ensure that the medical devices and accessories have been removed from the Xtension Pro Assistant – LP before installing/removing the mounting solution on/from the stretcher.	☐	☐
- Knows to always ensure the medical devices are secured in their brackets, the brackets are secured on the mounting solution, the mounting solution is secured in the clamp blocks and that the handle is locked before moving the stretcher.	☐	☐
- Knows not to overload the mounting solution and its components.	☐	☐
- Knows to use a safe lifting technique.	☐	☐
Operation		
- Able to install/remove the mobile structure on/from the cot support structure.	☐	☐
- Able to install/remove the medical device on/from the Standard Surface Base/Micro Base.	☐	☐
- Able to rotate the medical device 360° in the Standard Surface Base/Micro Base.	☐	☐
- Able to extend/retract the swivel micro shelves.	☐	☐
- Able to operate the IV poles.	☐	☐

clinical staff **SKILLS ASSESSMENT**		
SKILL CRITERIA	**PASSED**	**FAILED**
- Has practiced safely operating the mounting solution, has perfected the manipulations and has acquired the required skill level to safely use with patient.	☐	☐

Annex VI Unpack the Xtension Pro Assistant – LP

Unpacking should be reserved for biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level.

1. Inspect the shipping box(es) for signs of damage before accepting shipment. Take pictures and report them promptly when 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 all the components and hardware included for the installation when applicable, then set aside. Refer to Annex VII on page 31 for the required parts.
6. Inspect the items for signs of damage. Take pictures and report them promptly when applicable.

Annex VII Install the Cot Support Structure on the Stretcher

The contents in this section is intended for biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read the « Safety Measures » on page 12.

Required Installation Time

30-45 minutes

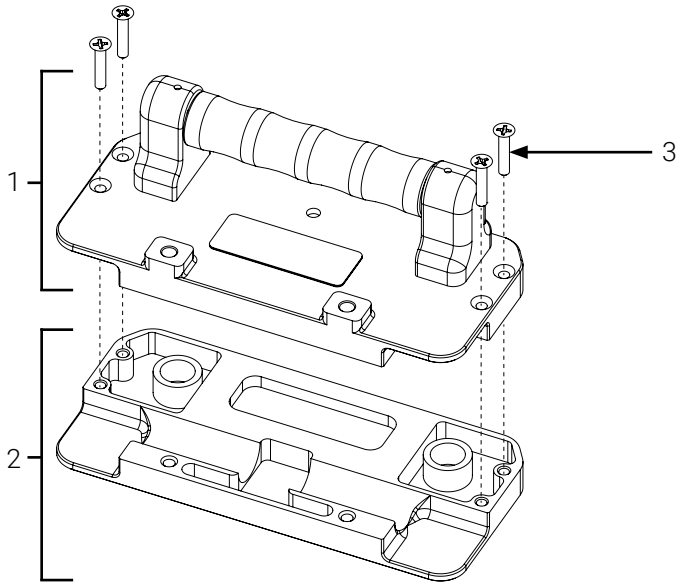
NOTE : This estimation will vary depending on the biomedical's (or equivalent) proficiency and knowledgeabilty.

Required Tools

- 3/16 in. hex key
- Phillips-head screwdriver #2
- Medium strength thread lock adhesive ( )

Install the Cot Support Structure on the stretcher

1. Identify the quick release handle assembly parts (Figure 19).



1. Top part of the handle
2. Bottom part of the handle
3. 10-32 in. X 1 in. flat-head screw (4X)

Figure 19: Quick release handle assembly parts

2. Flip the stretcher bottom side up to facilitate the installation.
3. At patient head-end, place and align the top part of the handle under the stretcher frame and the bottom part of the handle over the stretcher frame then tighten, using the four (4) screws with medium strength thread lock adhesive and a Phillips-head screwdriver #2 (Figure 20).

(A) (B)

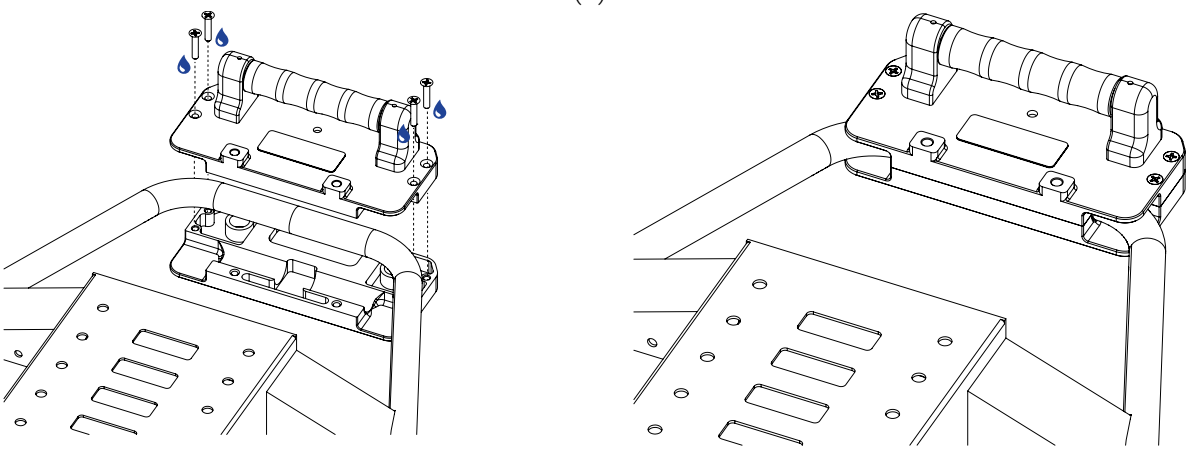
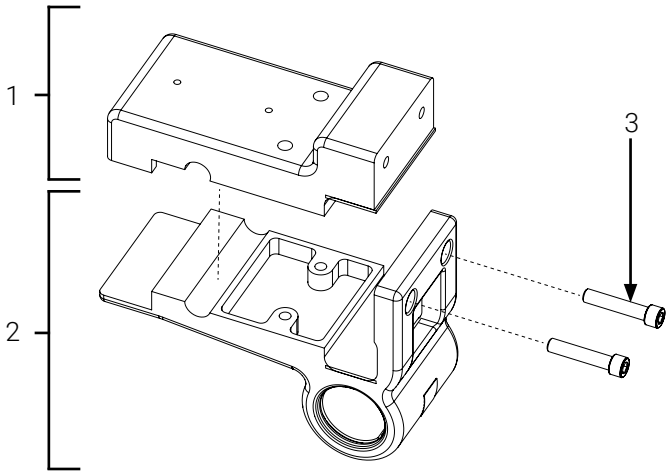


Figure 20: Installing the handle on the stretcher frame

4. Identify the clamp block assembly parts (Figure 21).



1. Top part of the clamp block (4X)
2. Bottom part of the clamp block (4X)
3. 1/4-28 in. X 1.25 in. socket-head screw (8X)

Figure 21: Clamp block assembly parts

5. Place and align the top part of the clamp block under the stretcher frame and the bottom part of the clamp block over the stretcher frame then partially tighten, using the two (2) screws with medium strength thread lock adhesive, and a 3/16 in. hex key (Figure 22). The screws will be tightened at a later step.

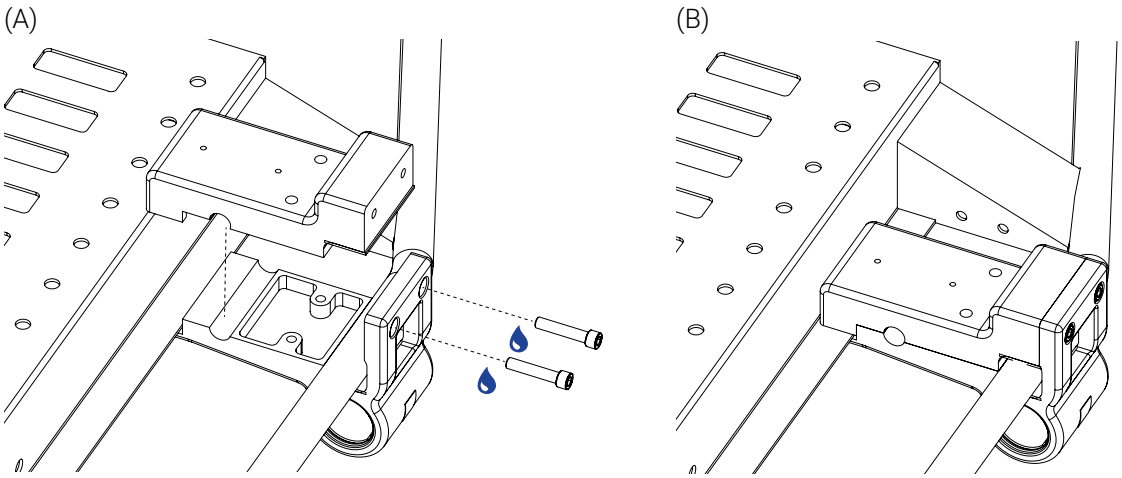


Figure 22: Installing the clamp block on the stretcher frame

6. Repeat step 5 to install the remaining three (3) clamp blocks (Figure 23).

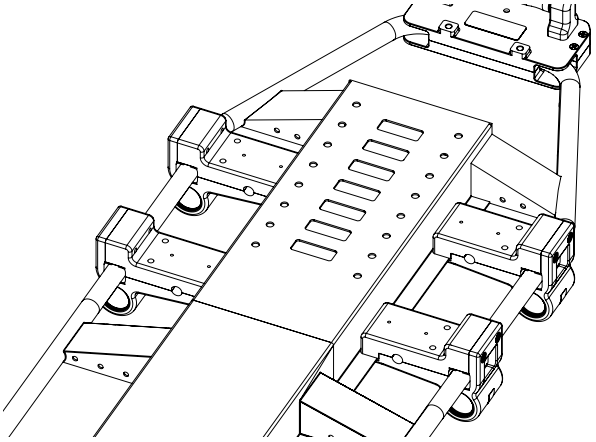
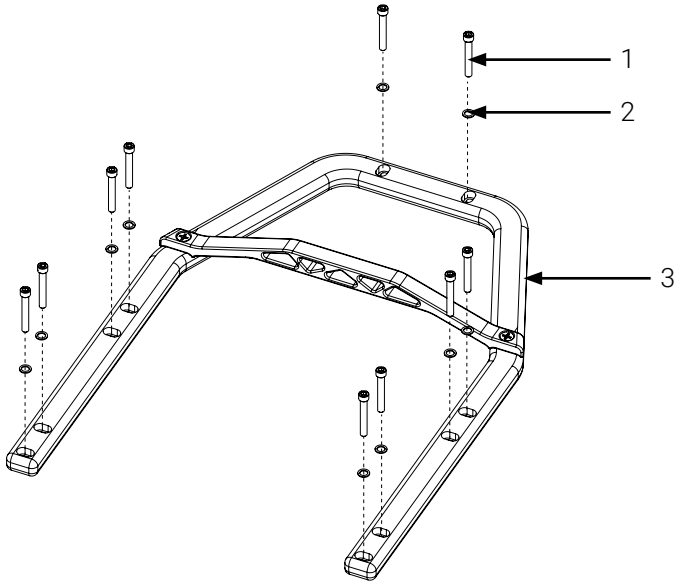


Figure 23: Clamp blocks installed on the stretcher frame

7. Identify the cot support structure assembly parts (Figure 24).



1. Cot support structure
2. 1/4-28 in. X 1.5 in. socket-head screw (10X)
3. Flat washers (10X)

Figure 24: Cot support structure assembly parts

8. Place the cot support structure on the handle and clamp blocks, aligning the screw holes, then partially tighten using the ten (10) screws with medium strength thread lock adhesive, ten (10) flat washers and a 3/16 in. hex key (Figure 25). The screws will be tightened at a later step.

(A) (B)

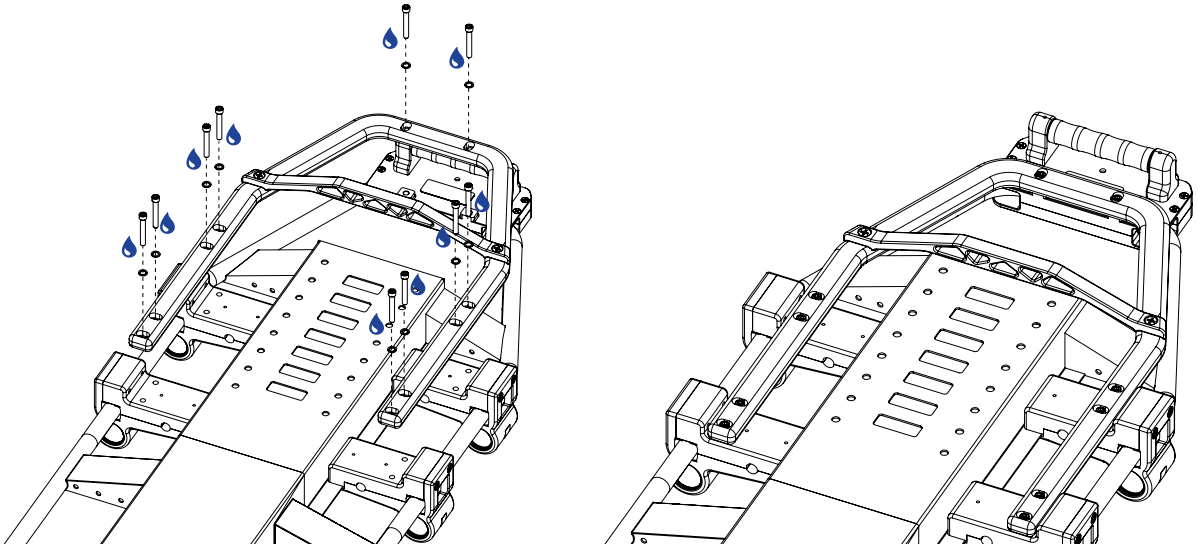


Figure 25: Installing the cot support structure on the stretcher

9. Flip the stretcher top side up.
10. Insert the mobile structure in the clamp blocks (Figure 26). Refer to « Install the Mobile Structure on the Cot Support Structure » on page 19 if needed.

(A) (B)

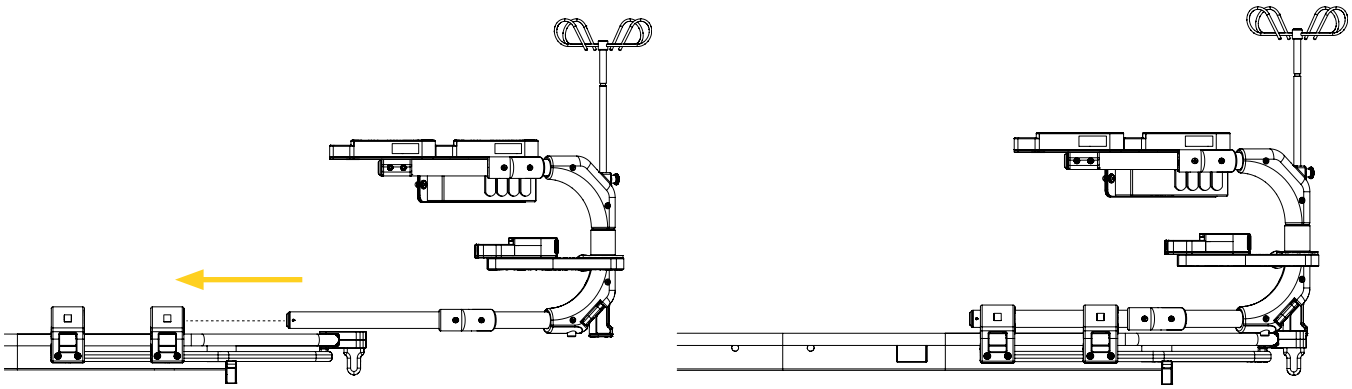


Figure 26: Installing the mobile structure in the clamp blocks

11. Once the mobile structure is installed and properly secured, tighten the eight (8) clamp block screws and two (2) handle screws (Figure 27) using a 3/16 in. hex key.

NOTE : A torque of 50 in.-lb is required.

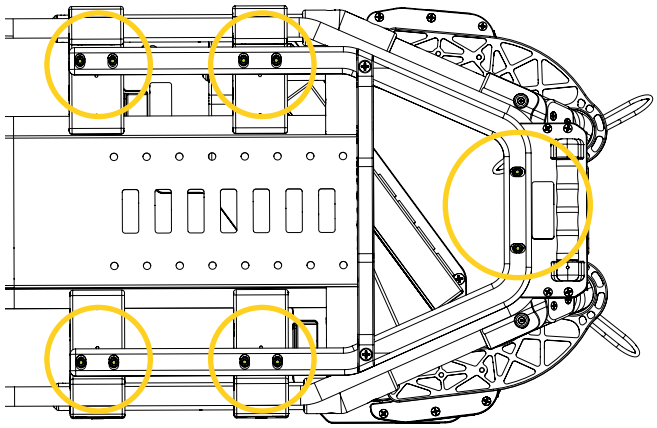


Figure 27: Tightening the clamp blocks and handle screws (bottom view)

12. Remove the mobile structure from the clamp blocks (Figure 28). Refer to « Remove the Mobile Structure from the Cot Support Structure » on page 20 if needed.

(A) (B)

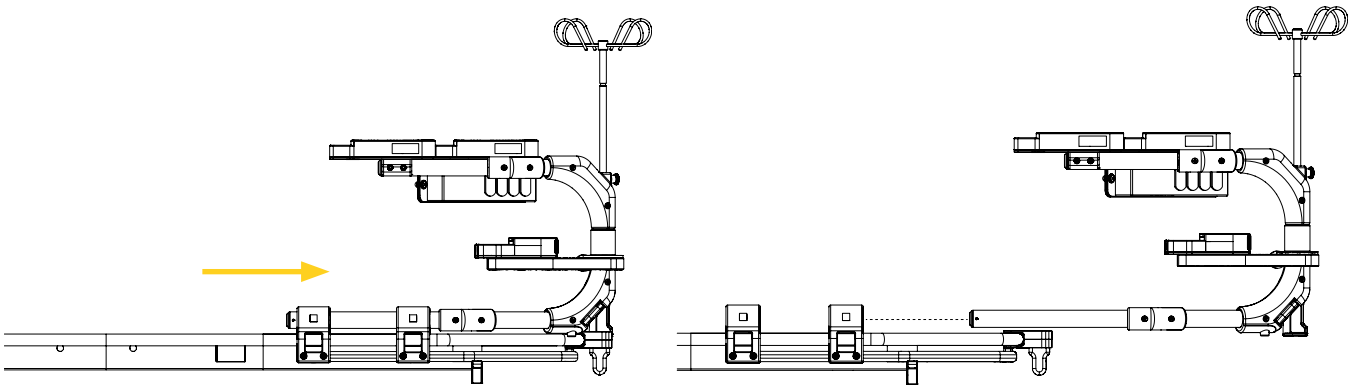


Figure 28: Removing the mobile structure from the clamp blocks

13. Flip the stretcher bottom side up.
14. Tighten the eight (8) screws located on the side of the clamp blocks (Figure 29) using a 3/16 in. hex key.

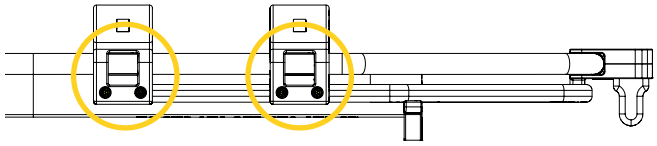


Figure 29: Tightening the cot support structure (4 of 8 screws illustrated)

15. Move the cot support structure back-and-forth a few times to ensure that the it is properly secured. If the cot support structure does not move after the verification, it is secured.
16. Flip the stretcher top-side-up.

The installation of the cot support structure on the stretcher is complete (Figure 30). The mobile structure can now safely be installed/removed by the EMS and clinical personnel, as needed.

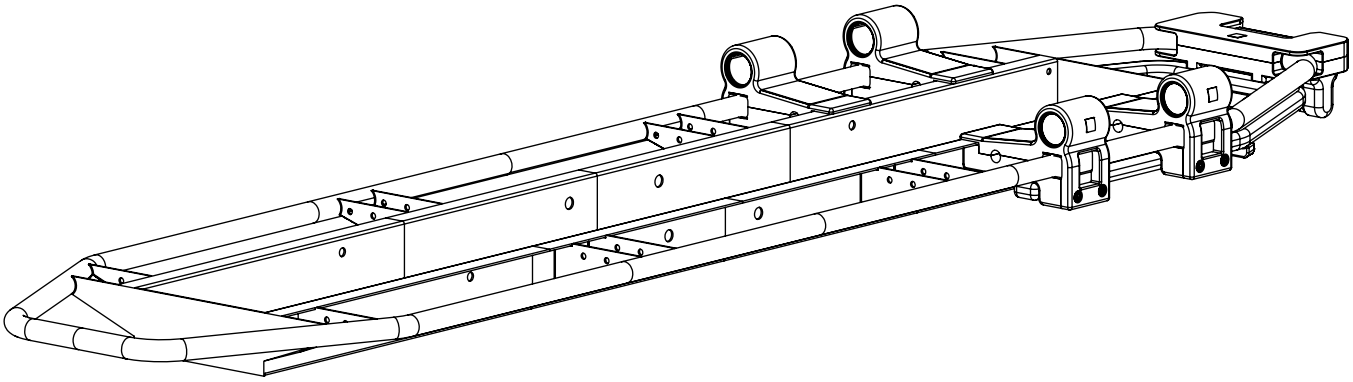


Figure 30: Cot support structure installed on the stretcher

Annex VIII Maintenance

Safety checks and condition-based maintenance should be carried out by biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read all the « Safety Measures » on page 12, and the maintenance specific safety measures listed below.

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

WARNING – General Warning

- **Do not** perform safety checks or condition-based maintenance before having read the entire content of the user manual, gained in-depth knowledge and product comprehension, and 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, 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 EMS and clinical personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to « Annex IX Replacement Parts/Kits » on page 45). 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 powered tools to screw the hardware during installation, as there is a potential 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 180° F/82° C. 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 24 in. (61 cm) from the unit.
- When cleaning, always use appropriate Personal Protection Equipment (PPE) based on established protocols (e.g., gloves, eyewear, etc.).

CAUTION – Corrosion

- Always rinse and dry the mounting solution 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 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 mounting solution in optimal conditions.
- Decontaminate the mounting solution as recommended in your internal protocols, as well as the regulations and standards in virtue of the infection prevention and control procedures.

Required Tools

- Clean dry cloths
- Soft brush
- Pressure washer
- Cleaning solutions
- Medium strength thread lock adhesive ( )
- Phillips screwdriver #2 and # 3
- 3/16 in. hex key

Tested 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

NOTE : In case of a non-conformity, stop using the product and contact Technical Support at techsupport@technimount.com immediately for a remedial action plan.

NOTE : Always keep records of your maintenance activities and immediately remove defective or expired products from your inventory.

MAINTENANCE PLAN	COMPLIANT	
SAFETY CHECKS	YES	NO
Xtension Pro Assistant – LP (Figure 31)		
- Visually inspect all the components of the mounting solution to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws:		
- Standard Surface Base(s)/Micro Base(s). Refer to the user manual(s).	☐	☐
- Quick release handle.	☐	☐
- Clamp block (4X).	☐	☐
- Mobile structure.	☐	☐
- Cot support structure.	☐	☐
- IV pole (2X).	☐	☐
- Swivel micro shelf (2X).	☐	☐
- Quick release knob (swivel micro shelf; 2X).	☐	☐
- Quick release button (Surface Standard Base; 2X).	☐	☐
- Quick release button (Micro Base; 2X).	☐	☐
- Quick release knob (IV pole).	☐	☐
- Power bar.	☐	☐
- If there is damage to the components, remove the product from circulation and contact Technical Support immediately for a remedial action plan.	☐	☐
- If there are traces of chemical attack, follow the conditioned-based maintenance herein.	☐	☐
- If the hardware is not in good condition, replace it. Contact Technical Support if needed.	☐	☐
- If the hardware is loose, apply medium strength thread lock adhesive and tighten using a Phillips screwdriver or hex key.	☐	☐
- Visually inspect the cavities of the mounting solution components and make sure there are no lodged particles to ensure proper functioning. If so, immediately remove using a clean dry cloth:		
- Quick release handle.	☐	☐

MAINTENANCE PLAN	COMPLIANT	
SAFETY CHECKS	**YES**	**NO**
- Quick release knob (swivel micro shelf; 2X)	☐	☐
- Quick release button (Surface Standard Base; 2X)	☐	☐
- Quick release button (Micro Base; 2X)	☐	☐
- Quick release knob (IV pole; 2X)	☐	☐
- Insert/remove the standard bottom disc of the support bracket in the Standard Surface Base(s) and/or micro disc in the Micro Base(s) a few times to ensure proper functioning of the locking mechanism(s). The disc should be easily inserted and locked in the base after the click sound, and easily removed when pressing the quick release button.	☐	☐
- Pull and release the quick release knob of the IV pole holder to ensure proper functioning of the locking mechanism(s). The IV pole should glide up and/or down in its holder without resistance when the knob is pulled and held, and locked and immobile when the knob is released.	☐	☐
CONDITION-BASED MAINTENANCE	**YES**	**NO**
Following the safety checks,		
Clean the Xtension Pro Assistant – LP	☐	☐

1. Remove the excess dirt using a clean cloth, if needed.
2. Remove the contaminants using a pressure washer or as recommended in your 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.

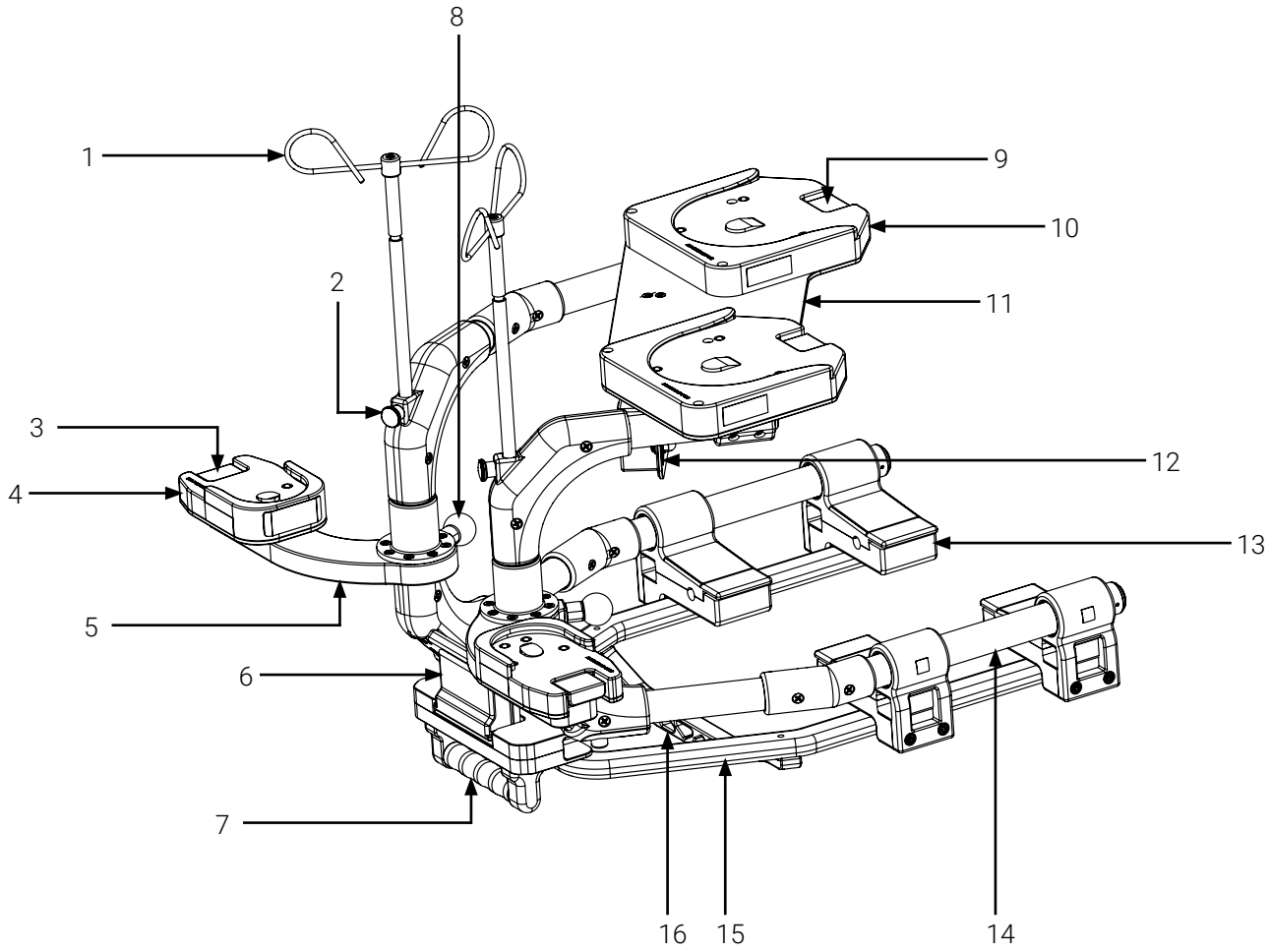
   NOTE : Avoid over saturation and ensure that the product does not sit on the surface of the mounting solution longer than recommended by the cleaner's manufacturer.
5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then dry all the components using a clean cloth before returning to service.

Comments and observations following the Safety Checks and Condition-Based Maintenance:

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

Maintenance plan completed by:

Illustrated Inspection Points



1. IV pole (2X)
2. Quick release knob (IV pole; 2X)
3. Quick release button (Micro Base; 2X)
4. Micro Base (2X)
5. Swivel micro shelf (2X)
6. Locking mechanism (mobile structure)
7. Quick release handle
8. Quick release knob (swivel micro shelf; 2X)
9. Quick release button (Surface Standard Base; 2X)
10. Standard Surface Base (2X)
11. Top plate
12. Power bar (under the top plate)
13. Clamp block (4X)
14. Tubular arm (mobile structure; 2X)
15. Cot support structure
16. Crossbar

Figure 31: Illustrated inspection points

Annex IX Replacement Parts/Kits

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.

PART/KIT NUMBER	PART/KIT DESCRIPTION
100-20-UN-FL	Standard Surface Base
120-20-UN-510-FL	Micro Base (horizontal)
840-00-IV2-12	IV pole
3005-00-5304M-1S7	Leviton Power Bar, 4-outlets, 15 amp, 7 foot cord

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SAFETY AND FLEXIBILITY WHERE IT MATTERS MOST