



TECHNIMOUNT
EMS®

XTENSION PRO® ASSISTANT - CCT/ECMO USER MANUAL

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.

Contact Information

Technimount E.M.S. Holding Inc.

C/O: Regulatory Affairs

3770 Jean Marchand Street, Suite 100-C

Quebec (QC) G2C 1Y6

Canada

customerservice@technimount.com

techsupport@technimount.com

legal@technimount.com

www.technimount.com

T + 1 581.700.6613

TF + 1 888.639.2758 (North America)

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1. General Mentions and Considerations

Intended for the purchaser/supervisor, this user manual contains detailed product information and was designed to assist with the unpacking, assembling (when indicated), and maintenance of the Xtension Pro Assistant - CCT/ECMO mounting system. Its content should be relayed to EMS personnel during training. This document should be used with the operating guide, which contains specific user-related information such as the operating procedures and the daily safety checks.

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

1.1. Intended Use

Mounting solution for the Extracorporeal Membrane Oxygenation treatment (hereinafter referred to as "ECMO") and ground EMS transport on a Stryker® Power-PRO™ XT stretcher.

1.2. User Competency

The Xtension Pro Assistant - CCT/ECMO is intended for EMS personnel who have received the appropriate training, necessary to operate the device in the field, according to its intended use, as outlined in this user manual and operating guide. Please read all provided documentation thoroughly before using this device to ensure the safe operation of the device and provide a safe environment for patients and EMS personnel.

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 device.

Technimount E.M.S. Holding Inc. (Technimount) 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 case of a single crash impact. Technimount products must not be reused if involved in a crash and must thereafter be replaced. If the end user uses a Technimount product following a crash, 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.

The limited warranty 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", "Mounting system" or "Bracket" used for clipping and attaching 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's mounting and bracket systems for portable medical devices 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 device 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) 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

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 user or patient or cause damage to the device or other property. This includes the special care necessary for the safe and effective use of the device 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.

Always read and abide by all the safety guidelines identified within this document.

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 - General Warning

Alerts the reader of a potentially hazardous situation, which, if not avoided, may result in death or serious injury to the user or patient or cause damage to the device or other property. This includes the special care necessary for the safe and effective use of the device to avoid damage that may occur from use or misuse.



CAUTION - Safe Working Load/Load Balance

Indicates the total maximum charge for a safe use of device.



CAUTION - General Mandatory Action

Call for action. Alerts the reader to potential risk to people not following the mandatory action specified by the supplementary sign.



CAUTION - Follow Instructions for Use

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



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.



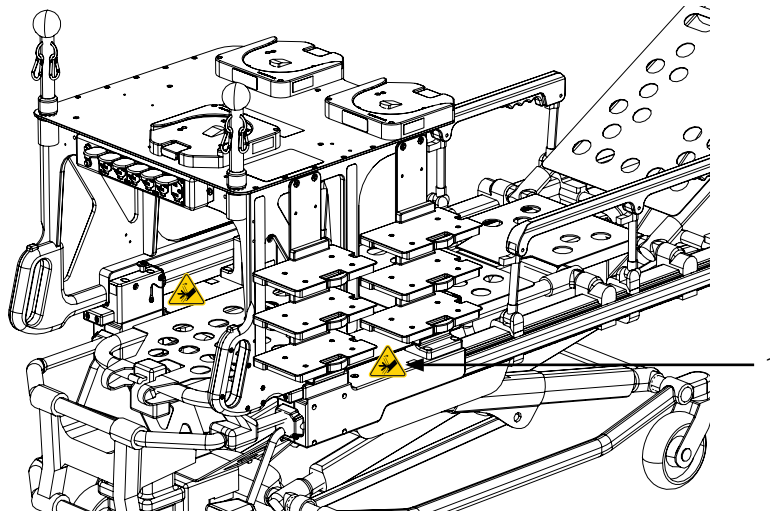
CAUTION - Transport in a Low Position

Call for action. Alerts the reader to a carrying technique recommended by the stretcher manufacturer.

2.2. Labels

Labelling on the surface of the Technimount product, quickly identify potential risks and provides information to the user. Warning labels (Figure 1) and a manufacturing label, including the serial number (Figure 2), can be seen on the Technimount product.

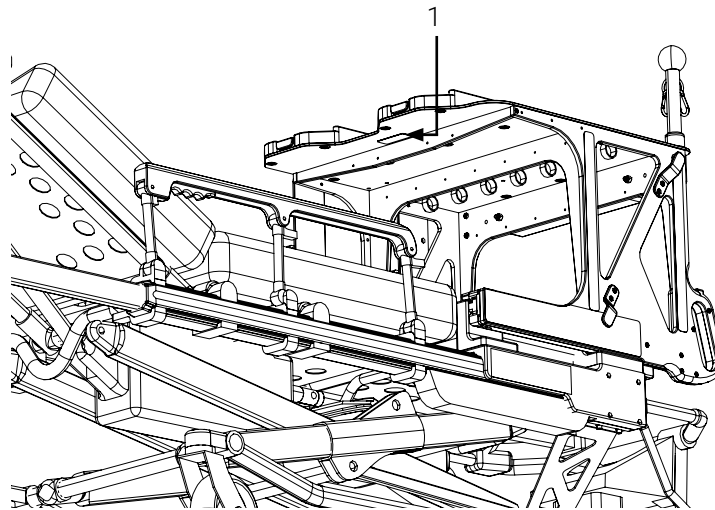
2.2.1. Safety Labels



1. Hand crush/Pinch point label (on top of each rail)

Figure 1: Location of the warning labels

2.2.2. Manufacturing Label



1. Manufacturing label (between the 2 bases, under the top plate)

Figure 2: Location of the manufacturing label

2.3. Safety Measures

Carefully read all the safety measures herein before installing, operating, or performing the maintenance of the Technimount product.



WARNING - Hand Crush/Pinch Point

Keep hands and fingers away from the clamp blocks and rail system when installing or removing the mobile structure to avoid injury.



WARNING - Risk of Injury

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. Product incompatibility could cause unpredictable functioning resulting in injury to the patients or EMS personnel.



WARNING - General Warning

- **Do not perform maintenance** on the Technimount product before having received the proper training.
- The administrator is responsible for providing proper training to any personnel who will install, operate and perform maintenance on Technimount products.
- Improper use of the Technimount product may damage the device or cause injury to the patients or clinical staff.
- 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.
- Always keep the user manual and operating guide within reach of the cart, even if the system is subsequently sold, to prevent undue risk to the product, patients, and clinical staff. The user documentation is an integral part of the system.



CAUTION - Safe Handling and Operation

- **Do not modify** the product, or any of its components and use only as described in this user manual. Modifying the product or improper use could cause unpredictable functioning, resulting in injury to the patients or EMS personnel.
- **Do not transport** the stretcher when the mobile structure is in the extended position. Secure the Xtension Pro Assistant - CCT/ECMO in the clamp blocks before moving the stretcher.
- To ensure safety and prevent risks of tipping during transport, always use the push bars or integrated handle (depending on your configuration) on the mobile structure at patient foot end or the push bars on the stretcher at patient head.

**CAUTION - Safe Practice**

- Always ensure that the medical devices are secured in the brackets and that the locking mechanisms are properly engaged before use.
- Always keep the lock pins installed during transport. The lock pins should only be removed to insert and remove the mobile structure.
- Always pay close attention to the condition of the safety mechanisms, to prevent undue risk to the device, patients, and EMS personnel.
- Follow the recommended maintenance plan and its guidelines, as described in this user manual and operating guide.
- Practice installing, removing, and safely operating the medical devices until the manipulations have been perfected, before use with patients. Improper use of any Technimount product may damage the device or cause injury to the patients or EMS personnel.

**CAUTION - Working Load/Load Balance**

Do not overload the system. The Safe Working Load (SWL) is 103 lb (46.8 kg):

- **Do not overload** the push bars. The maximum weight capacity for transport is 2 L or 2 kg (67.63 fl oz or 4.4 lb), per bar at the head end of the stretcher and 1 L or 1 kg (33.81 fl oz or 2.2 lb), per bar at the foot end of the stretcher.
- **Do not overload** the Techni-IV pole. The Techni-IV pole is approved for ambulance transport. The maximum weight capacity approved for transport is 1.5 L or 1.5 kg (50 fl oz or 3.3 lb).

**CAUTION - Follow Instructions for Use**

- Always read and abide by all the safety guidelines identified, as well as follow instructions provided within this document.
- Refer to the stretcher's user manual for safety precautions and user instructions for the safe use of the Stryker® Power-PRO™ XT stretcher.
- This mounting solution may contain optional medical equipment. Refer the user manual of all the medical equipment used with the Xtension Pro Assistant - CCT/ECMO for the safety guidelines and user instructions for the safe use of each device.

**CAUTION - Two (2) Person Lift**

Trained EMS personnel are required to safely lift the Technimount product.

**CAUTION - Transport in a Low Position**

The stretcher manufacturer recommends transporting the stretcher at the lowest possible height to avoid back injuries or tipping incidents. Refer to the stretcher's user manual for safety precautions and user instructions for the safe use of the Stryker® Power-PRO™ XT stretcher.

3. Technical Specifications

Product Name	Xtension Pro® Assistant - CCT/ECMO
Description	Mounting solution for the ECMO and ground EMS transport on a Stryker® Power-PRO™ XT stretcher
Product Code	1650-00-PFXT-EC
Features	<ul style="list-style-type: none"> - Gliding system with locking handles for lateral patient transfer - Installation of up to 6 infusion pumps on the side of the mobile structure - Quick release mechanisms - Medical grade power bar with surge protection - Installation of up to 3 medical devices on top of the mobile structure - Interchangeability between medical devices - Push bars on the mobile structure at patient foot end and on the stretcher at patient head end to ensure safety during transport
Operating Environment	EMS/CCT (ground)
Compliance	Tested in compliance with SAE J3043
Compatible Stretcher	Stryker® Power-PRO™ XT
Compatible Mounting System	Technimount Bracket Pro Serie® mounting systems with standard bottom disc
Dimensions (W X D X H)	25.2 in. X 28.6 in. X 22.6 in. (64 cm X 72.7 cm X 57.4 cm)
Weight	<ul style="list-style-type: none"> - Mobile structure with 3 Standard Surface Bases: 41.2 lb (18.7 kg) - Clamp blocks with rail systems: 26.9 lb (12.3 kg) - B. Braun infusion pumps bracket: 9.2 lb (4.2 kg) - Baxter infusion pumps bracket: 6.2 lb (2.9 kg)
Composition	<ul style="list-style-type: none"> - Mobile structure: aluminum 6061-T6, black anodized finish - Clamp blocks: aluminum 6061-T6, black anodized finish - Rail system: aluminum 6061-T6 and stainless steel - Locking handles: aluminum 6061-T6 and acetal
Safe Working Load (SWL)	<ul style="list-style-type: none"> - Mobile structure: 103 lb (46.8 kg) - Techni-IV pole (approved for ambulance transport): 1.5 L or 1.5 kg (50 fl oz or 3.3 lb) - Push bars (patient head end): 2 L or 2 kg (67.63 fl oz or 4.4 lb), per bar - Push bars (patient foot end): 1 L or 1 kg (33.81 fl oz or 2.2 lb), per bar
Operating Temperature	- 31° F to 113° F (- 35° C to 45° C)
Installation	<ul style="list-style-type: none"> - Mobile structure slides on the rail system that is held by 2 clamp blocks installed on the stretcher side rails. Once installed, the mounting solution is locked in place using lock pins - Locking handles located at the foot end of the stretcher - Infusion pumps are secured in the brackets on the side of the mobile structure - Medical devices are secured on the Standard Surface Bases on top of the mobile structure - Quick release mechanisms on the brackets and Standard Surface Bases

**Model & Configuration
Options**

- Spectrum® IQ or B. Braun Infusomat® Space®/Perfusor® Space® infusion pump brackets
 - Up to 2 power bars (6 outlets per bar)
 - Push bars (head end and foot end)
 - Techni-IV pole approved for ambulance transport
 - 1630-00-PFXT: Xtension Pro™ Assistant – CCT
 - 1660-00-PFXT: Xtension Pro™ Assistant – CCT/C
 - Contact Customer Service at customerservice@technimount.com for more options
-

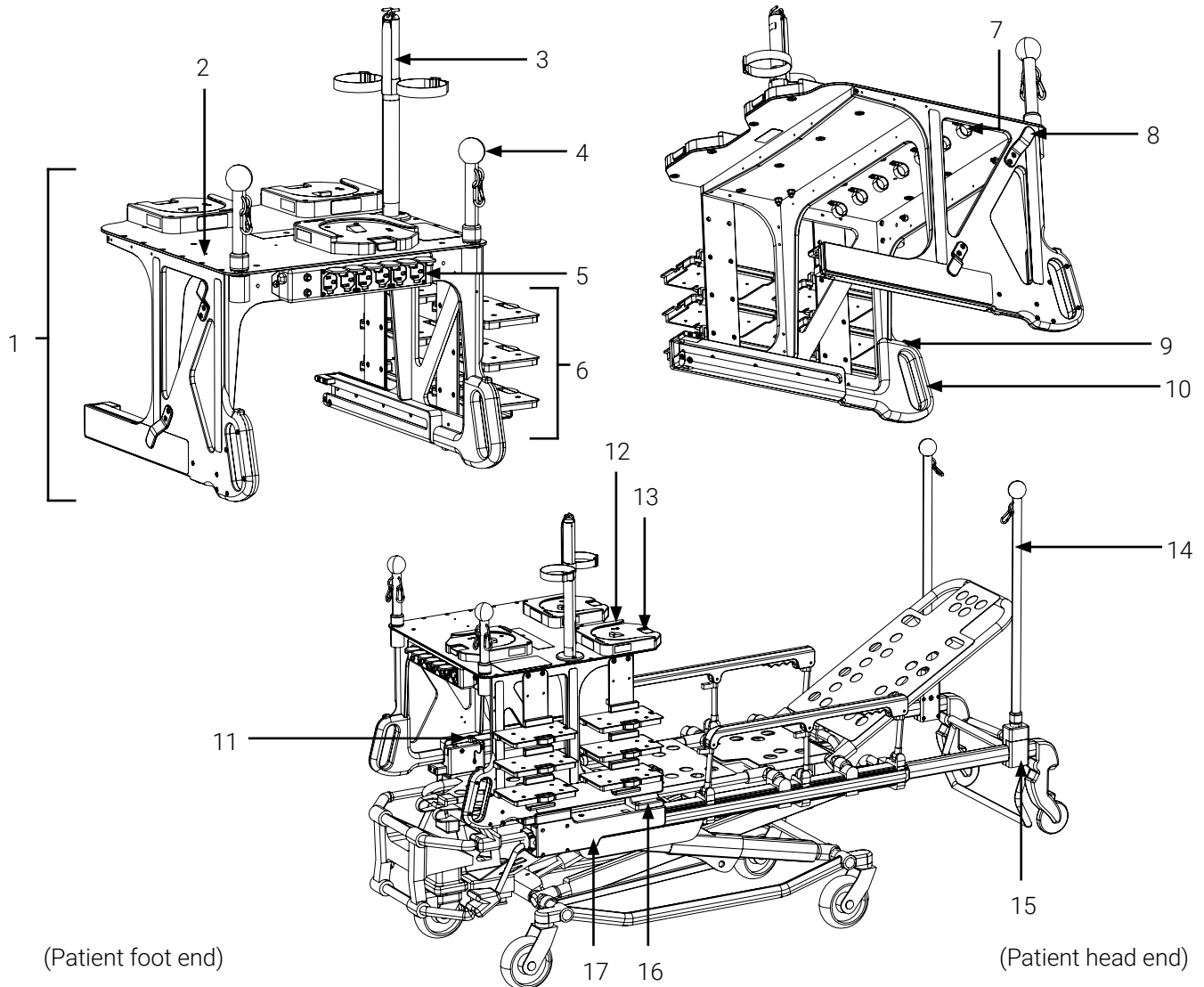
4. Unpack the Xtension Pro Assistant - CCT/ECMO

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 all the components and hardware included for the installation, then set aside. Refer to Section 7.2 for the required parts.
6. Inspect the items for signs of damage. Take pictures and report them promptly if applicable.

5. Xtension Pro Assistant - CCT/ECMO Illustrated Parts



- | | |
|---|--|
| 1. Mobile structure | 10. Handle (2X) |
| 2. Mobile structure top plate | 11. Lock pin (2X) |
| 3. Techni-IV pole with strap | 12. Standard Surface Base (3X) |
| 4. Push bar patient foot end with carabiner for fluid bags (2X) | 13. Quick release button (base; 3X) |
| 5. Power bar | 14. Push bar patient head end with carabiner for fluid bags (2X) |
| 6. Infusion pump bracket (6X) | 15. Clamp block (push bar, head end; 2X) |
| 7. Cable management system | 16. Clamp block (rail system; 4X) |
| 8. Power cord holder (2X) | 17. Rail system |
| 9. Quick release button (handle; 2X) | |

Figure 3: Xtension Pro Assistant - CCT/ECMO Illustrated Parts

6. Orientation Diagram with Stretcher

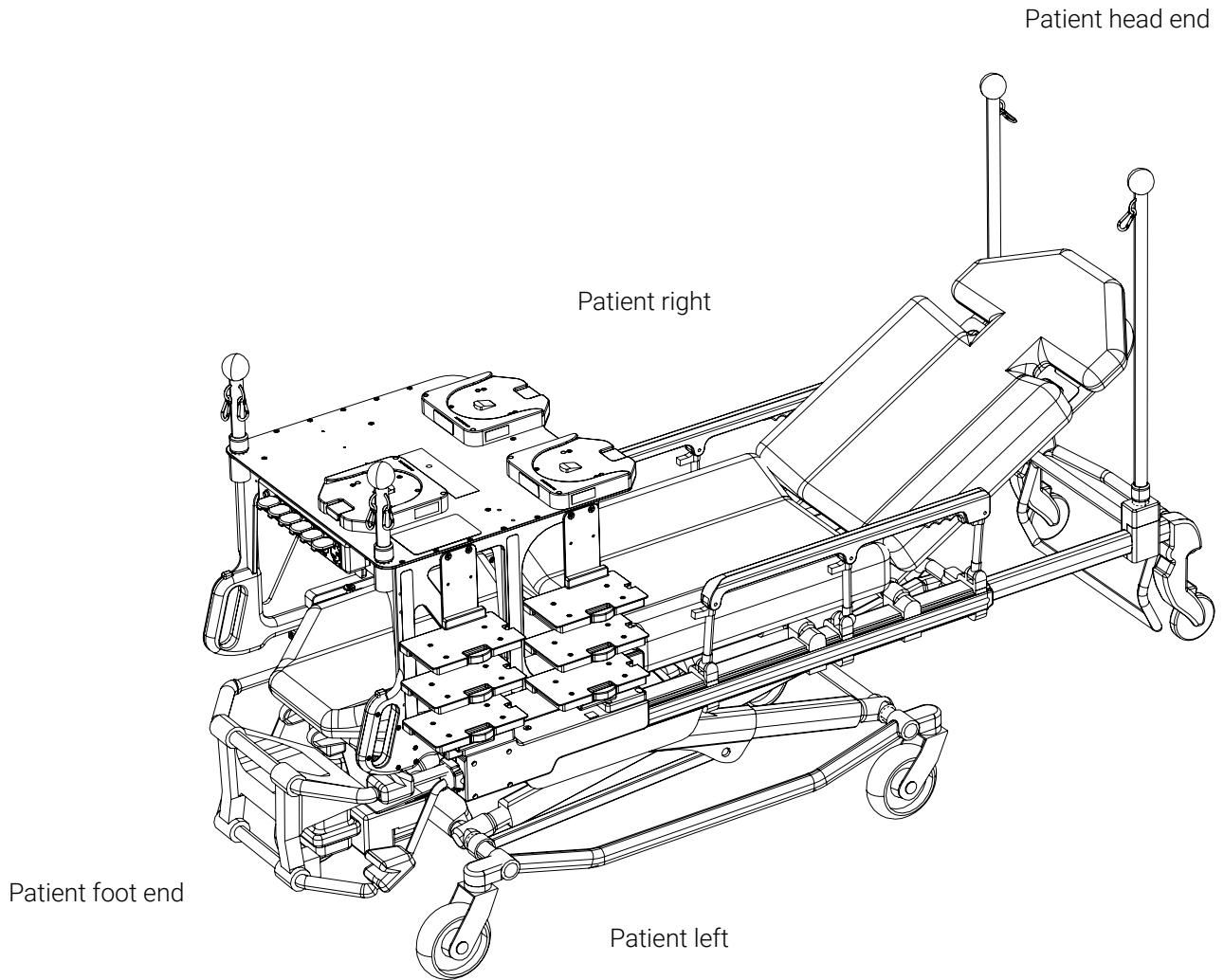


Figure 4: Orientation diagram with stretcher

7. Install the Required Parts



WARNING - Hand Crush/Pinch Point

Keep hands and fingers away from the clamp blocks and rail system when installing or removing the mobile structure to avoid injury.



WARNING - Part Breakage

- **Do not use powered tools** to screw the hardware during installation, as there is a potential risk of damage to the threads.
- All the provided hardware has been previously prepped with thread locking adhesive and is ready to be used as is.

NOTE: Image references within this user manual may differ from actual product. For assistance, 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.

7.1. Required Installation Time

The estimated time for the completion of the initial installation and adjustments of the Xtension Pro Assistant - CCT/ECMO is approximately two (2) hours. This estimation will vary depending on the technician's or installer's proficiency, knowledgeability, as well as your product configuration. Subsequent installations and adjustments of the mounting solution should take sensibly the same time, or shorter. For assistance, please contact Technical Support at techsupport@technimount.com.

7.2. Required Tools

- Allen key 3/16 in.
- Allen key 5/32 in.
- Key 7/16 in.
- Phillips screwdriver #2
- Torx screwdriver T27
- Punch
- Mallet

7.3. Prepare the Stretcher

NOTE: Refer to the established protocols and the stretcher operation manual for proper use and recommendations.

1. Remove all the devices from the stretcher.
2. Remove the mattress from the stretcher to facilitate the installation.
3. Remove the four (4) screws on the rail, patient left (Figure 5 A). The screws will not be reused for this specific installation.
4. Remove the IV pole and its holder (Figure 5 B). They will not be reused for this specific installation.

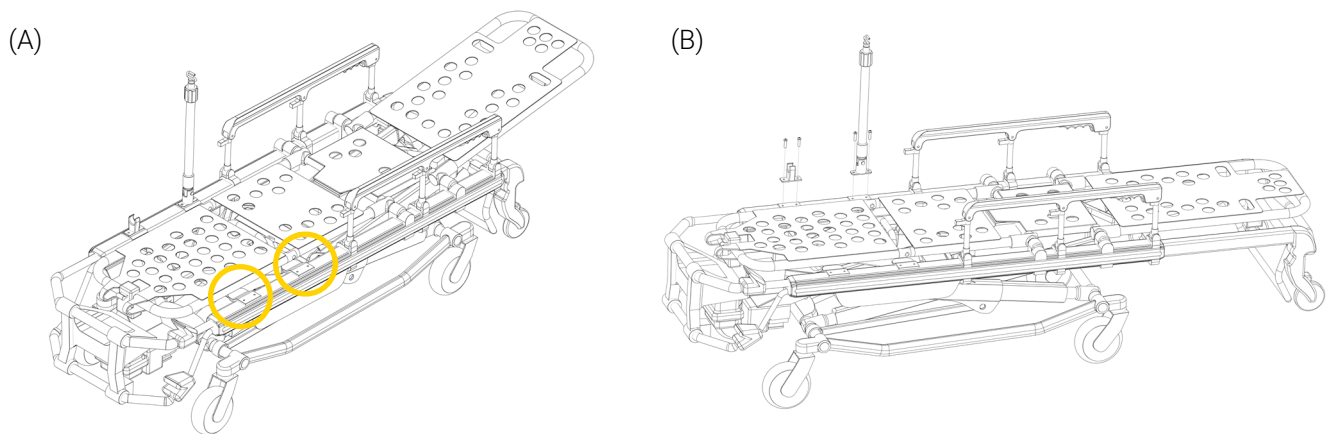


Figure 5: Preparing the stretcher

5. Identify the Power-LOAD foot end fastener assembly (herein after referred to as Power-LOAD system) located under the stretcher, at the patient foot end (Figure 6).
6. Remove the four (4) screws, four (4) washers and two (2) spacers to loosen the Power-LOAD system (Figure 6). Set aside the Power-LOAD system and its hardware temporarily. The stretcher spacers will not be reused for this specific installation.

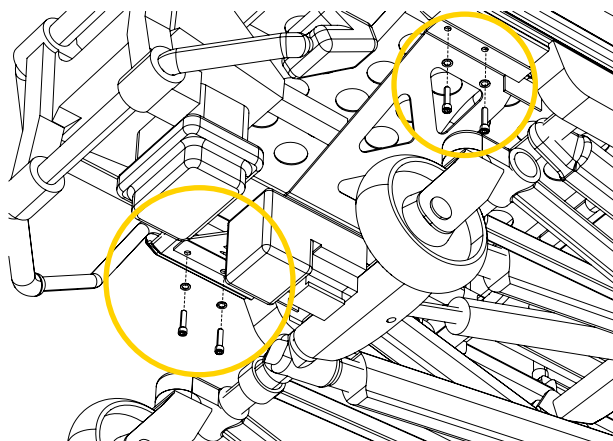


Figure 6: Removing the Power-LOAD system screws

7. If required, loosen the nuts on either side of the Power-LOAD system just enough to allow space for the subsequent installation of the clamp blocks (Figure 7).

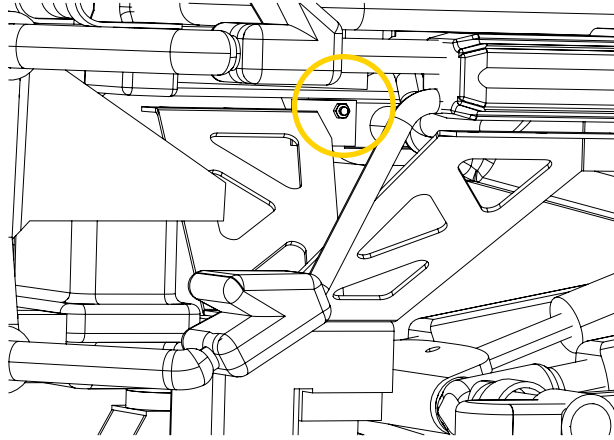


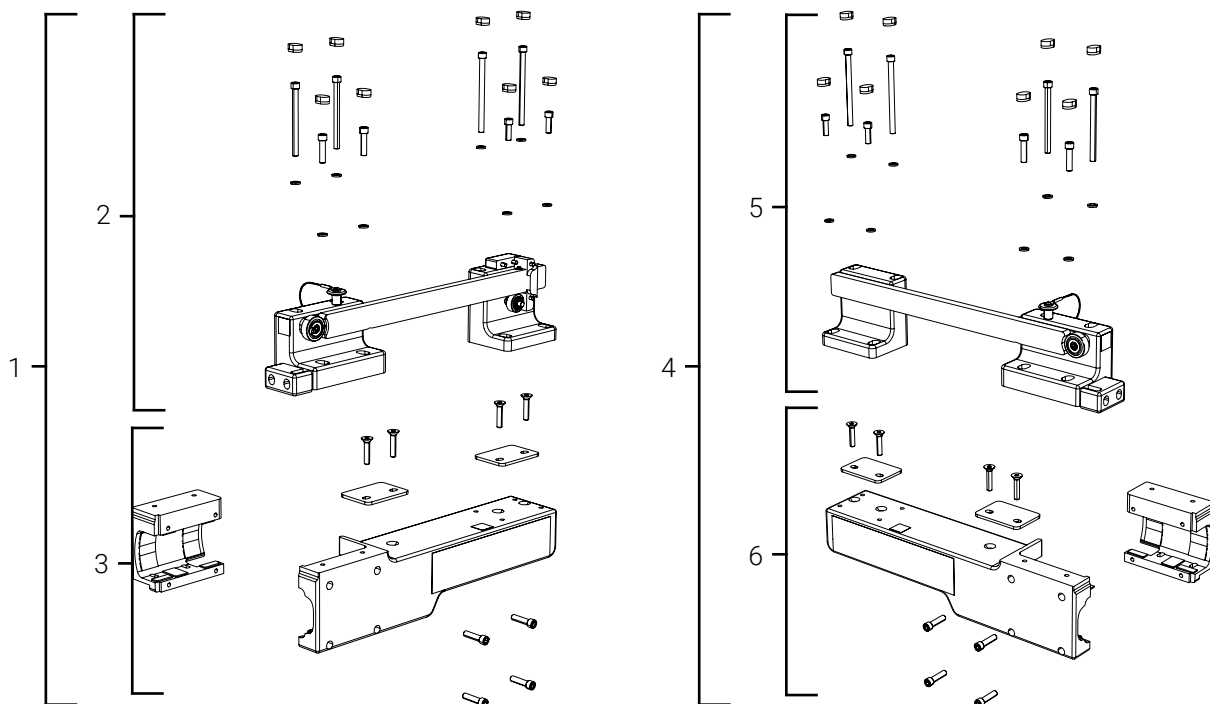
Figure 7: Loosening the Power-LOAD system (1 of 2 nuts shown)

The preparation of the stretcher is complete.

7.4. Clamp Blocks and Rail System Identification

The clamp blocks and rail system required assembly before installation. Refer to Figure 8 for illustrated parts of the assembly parts.

- Two (2) clamp blocks are provided for this installation. Ensure to install the clamp block included in the complete clamp block assembly 1630-11-PFXT-LFS on patient left and the clamp block included in the complete clamp block assembly 1630-11-PFXT-RHS on patient right.
- Two (2) rail systems are provided for this installation. Ensure to install the rail system included in the complete clamp block assembly 1630-11-PFXT-LFS on patient left and the rail system included in the complete clamp block assembly 1630-11-PFXT-RHS on patient right.

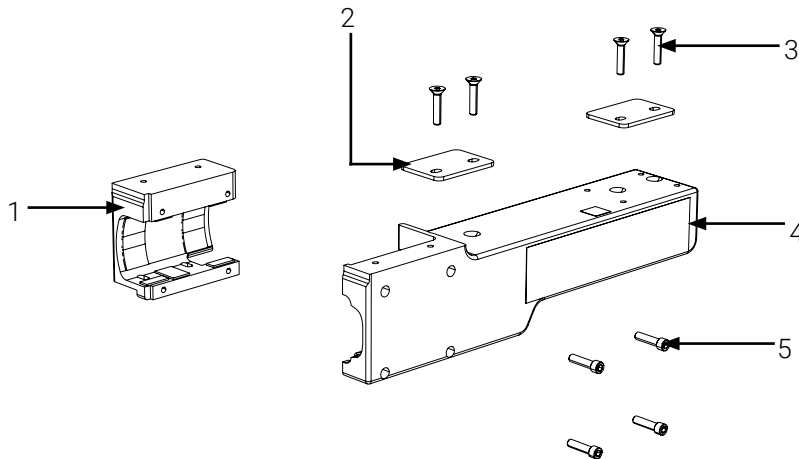


- | | |
|---|--|
| 1. Complete clamp block assembly patient left | 4. Complete clamp block assembly patient right |
| 2. Rail system patient left | 5. Rail system patient right |
| 3. Clamp block patient left | 6. Clamp block patient right |

Figure 8: Clamp block and rail system assemblies

7.5. Install the Clamp Blocks on the Stretcher Siderails

1. Identify the clamp block components included in the complete clamp block assembly 1630-11-PFXT-LFS (Figure 9); the clamp block will be installed on patient left.



- | | |
|--|--|
| 1. Interior part of the clamp block | 4. Exterior part of the clamp block |
| 2. Spacer (2X) | 5. Socket head screw ¼ - 20 x 1 in. (4X) |
| 3. Flat head hex drive screw ¼ - 20 x 1 ¼ in. (4X) | |

Figure 9: Clamp block parts (patient left shown here)

2. Place two (2) spacers on top of the stretcher frame (Figure 10 A), followed by the exterior part of the clamp block on the outer frame of the stretcher (Figure 10 B), aligning the screw holes.

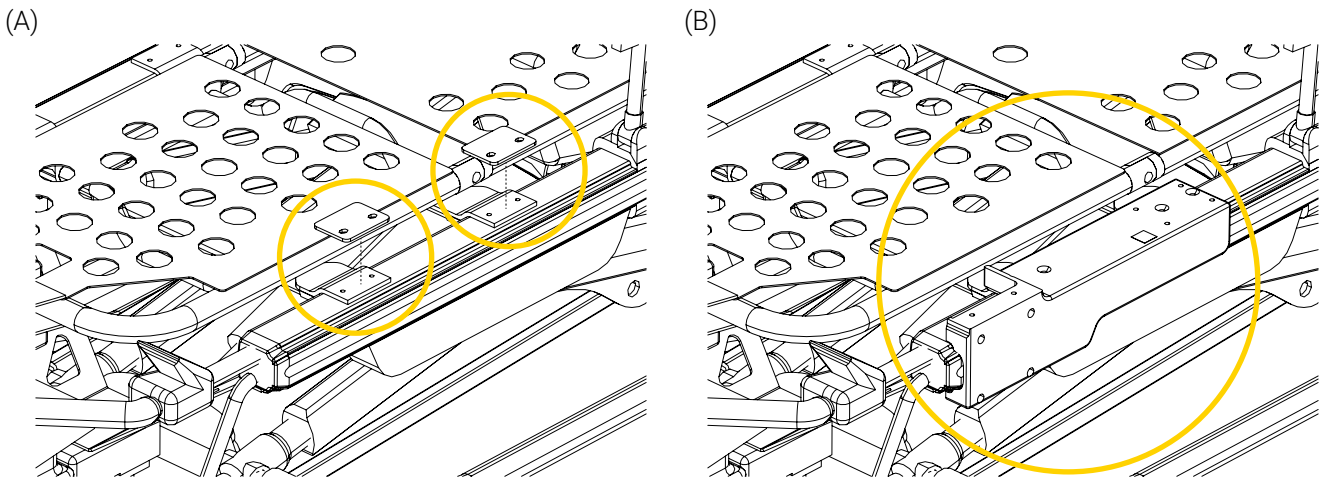


Figure 10: Placement of the spacers and exterior part of the clamp block

3. Partially tighten the four (4) flat head hex drive screws $\frac{1}{4}$ - 20 x 1 $\frac{1}{4}$ in. on top of the clamp block using an Allen key $\frac{5}{32}$ in. (Figure 11).

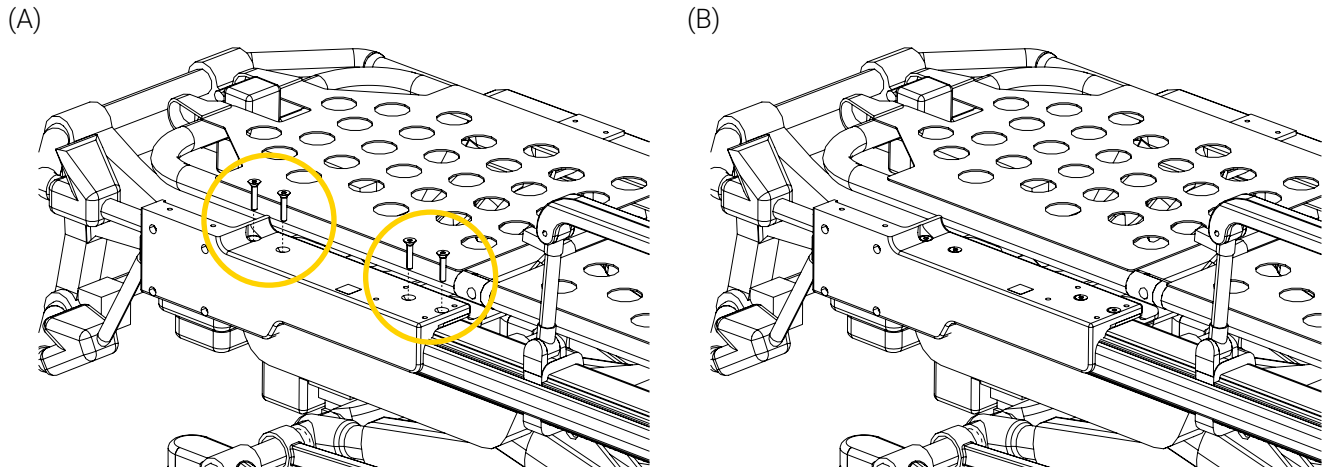
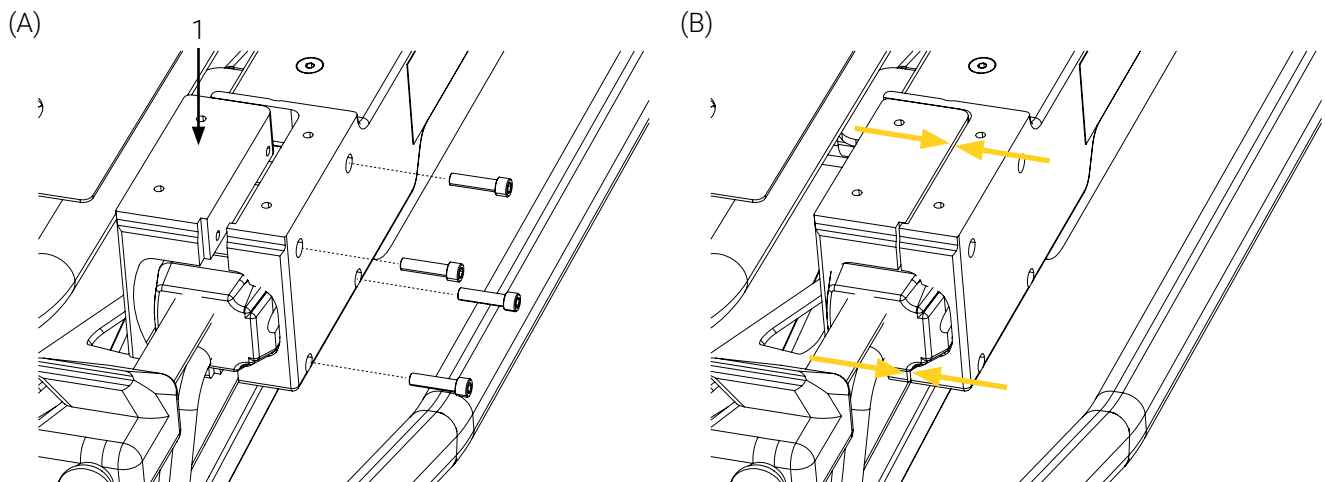


Figure 11: Installing the exterior clamp block

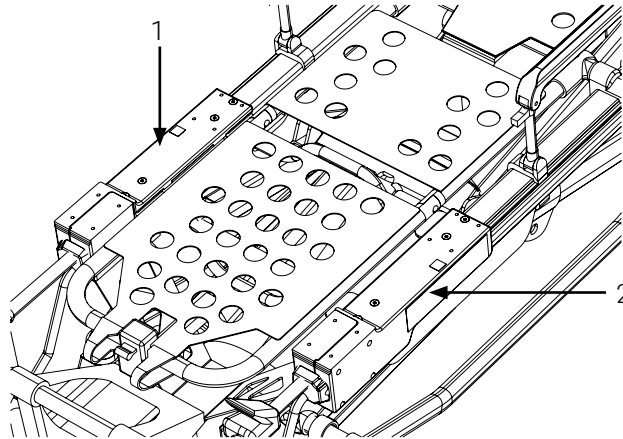
4. Position the interior clamp block on the inner frame of the stretcher (Figure 12 A).
5. Partially tighten all four (4) socket head screws $\frac{1}{4}$ - 20 x 1 in. using an Allen key $\frac{3}{16}$ in., while alternating screw heads (Figure 12 A).
6. Ensure that there are no gaps between the interior and exterior parts of the clamp block and that they are evenly pressed against each other (Figure 12 B).



1. Interior part of the clamp block

Figure 12: Installing the interior part of the clamp block

- Repeat steps 2 to 6 on patient right using the clamp block included in the complete clamp block assembly 1630-11-PFXT-RHS (Figure 13).



- | | |
|---|--|
| 1. Clamp block patient right (1630-11-PFXT-RHS) | 2. Clamp block patient left (1630-11-PFXT-LFS) |
|---|--|

Figure 13: Clamp blocks installed

- Reinstall and partially tighten the Power-LOAD system reusing the four (4) socket head screws $\frac{1}{4}$ - 20 in. and the four (4) washers using an Allen key $\frac{3}{16}$ in. (Figure 14).

NOTE: Do not reinstall the two (2) Power-LOAD system stretcher spacers.

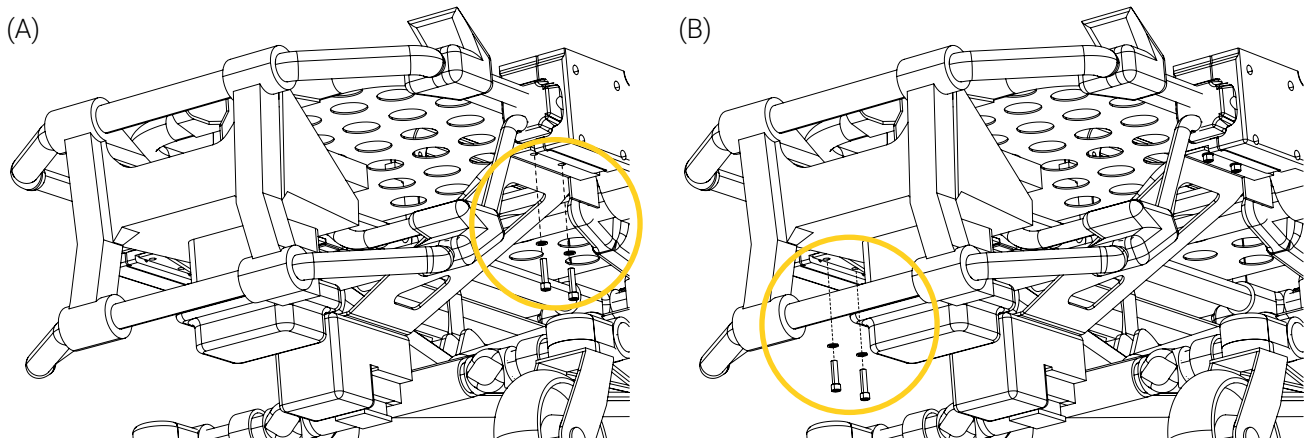


Figure 14: Reinstalling the Power-LOAD system

9. Tighten the four (4) flat head hex drive screws $\frac{1}{4}$ - 20 x 1 $\frac{1}{4}$ in. on top surface of each clamp block using an Allen key $\frac{5}{32}$ in. (Figure 11).
10. Tighten the four (4) socket head screws $\frac{1}{4}$ - 20 x 1 in. on the external surface of the exterior part of each clamp block using an Allen key $\frac{3}{16}$ in., while alternating screw heads (Figure 12 A).
11. Tighten the four (4) socket head screws $\frac{1}{4}$ - 20 on each side of the Power-LOAD system using an Allen key $\frac{3}{16}$ in. (Figure 15 A).
12. If required, tighten the two (2) previously loosened nuts on either side of the Power-LOAD system (Figure 15 B).

NOTE: Ensure that the Power-LOAD system is properly installed for loading in an ambulance.

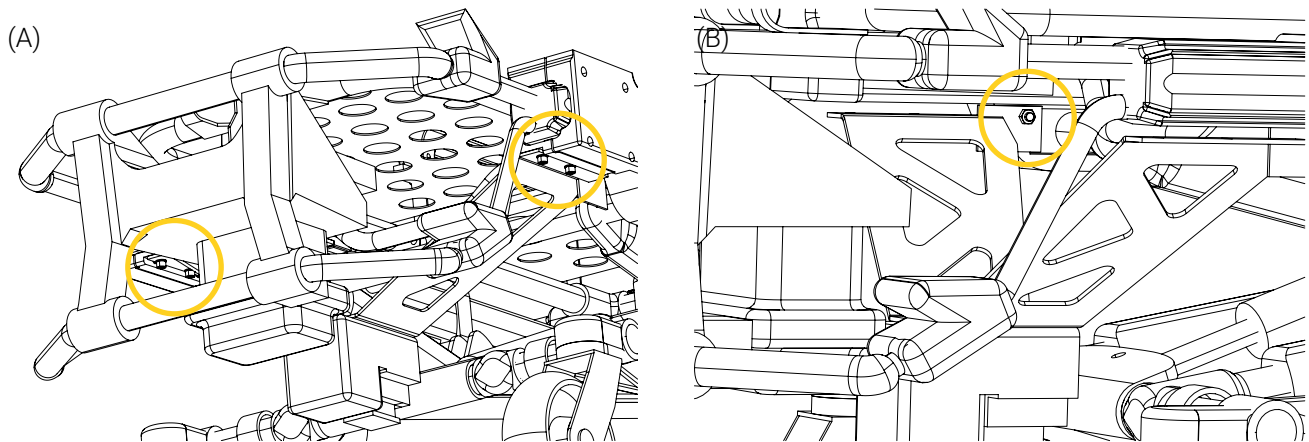
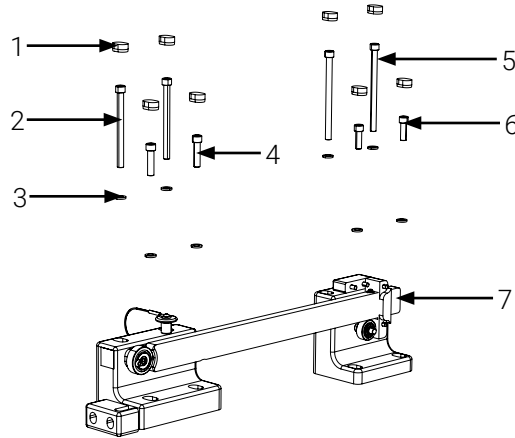


Figure 15: Power-LOAD system reinstalled

The installation of the clamp blocks on the stretcher siderail is complete.

7.6. Install the Rail System

1. Identify the rail system components included in the complete clamp block assembly 1630-11-PFXT-LFS (Figure 16); the rail system will be installed on patient left.



- | | |
|--|--|
| 1. Cap (8X) | 5. Socket head screw ¼ - 20 x 3.5 in. (2X) |
| 2. Socket head screw ¼ - 20 x 3 in. (2X) | 6. Socket head screw ¼ - 20 x ¾ in. (2X) |
| 3. Washer for ¼ screw (8X) | 7. Rail system (patient left) |
| 4. Socket head screw ¼ - 20 x 1 in. (2X) | |

Figure 16: Rail system parts (installation for patient left illustrated)

2. Position the rail system on the clamp block, ensuring that the screw holes are aligned and that the rail system is facing outwards (Figure 17).

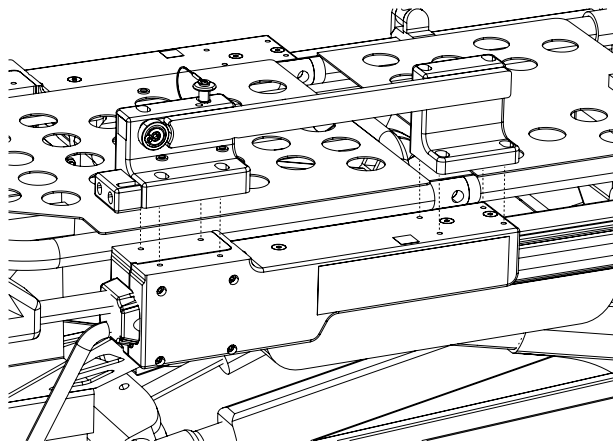


Figure 17: Rail system position on clamp block

3. Partially tighten the eight (8) screws and eight (8) washers on both sides. The screws will be securely tightened in a later step.

- Towards patient foot end (Figure 18 A), use:

- Two (2) socket head screws $\frac{1}{4}$ - 20 x 3 in., two (2) washers for $\frac{1}{4}$ screws and an Allen key $\frac{3}{16}$ in.
- Two (2) socket head screws $\frac{1}{4}$ - 20 x 1 in., two (2) washers for $\frac{1}{4}$ screws and an Allen key $\frac{3}{16}$ in.

- Towards patient head end (Figure 18 B), use:

- Two (2) socket head screws $\frac{1}{4}$ - 20 x 3.5 in., two (2) washers for $\frac{1}{4}$ screws and an Allen key $\frac{3}{16}$ in.
- Two (2) socket head screws $\frac{1}{4}$ - 20 x $\frac{3}{4}$ in., two (2) washers for $\frac{1}{4}$ screws and an Allen key $\frac{3}{16}$ in.

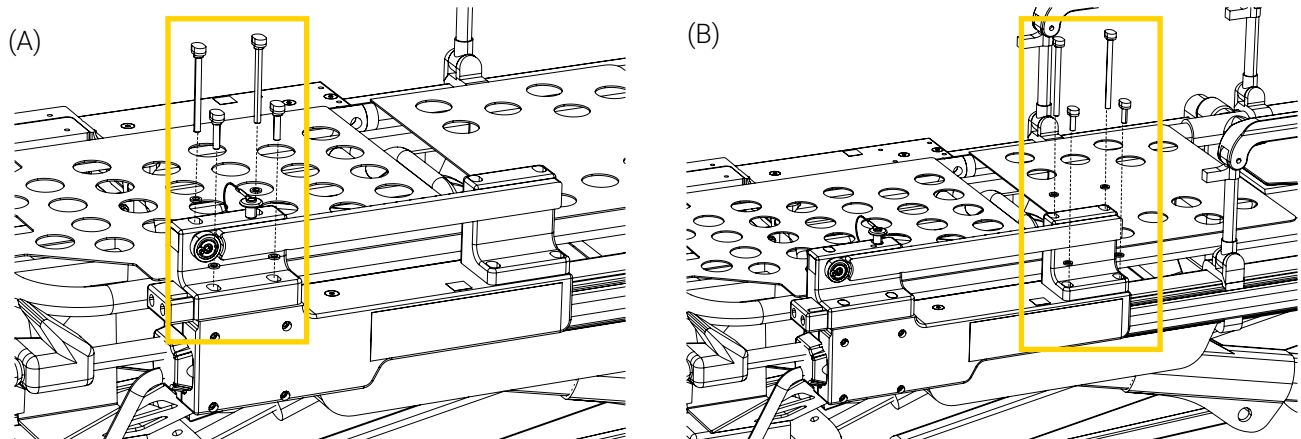


Figure 18: Installing the clamp block on the rail system

4. If required, loosen the two (2) socket head screw 10 - 32 x 1 in. of the small block located at the front of the rail to adjust the rail system using an Allen key $\frac{5}{32}$ in. (Figure 19).

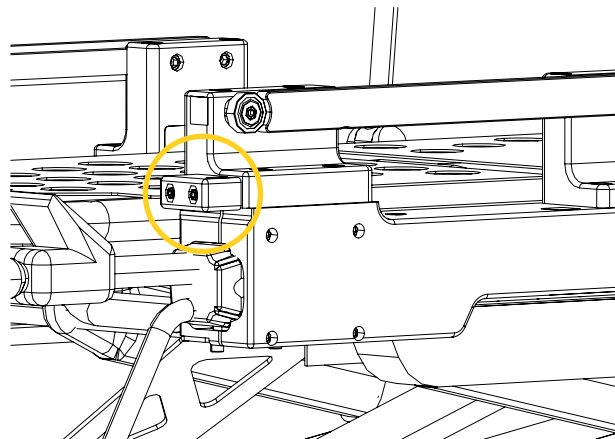


Figure 19: Adjusting the rail system

- Repeat steps 2 to 4 on patient right using the rail system included in the complete clamp block assembly 1630-11-PFXT-RHS.

The installation of the rail systems is complete.

7.7. Install the Mobile Structure

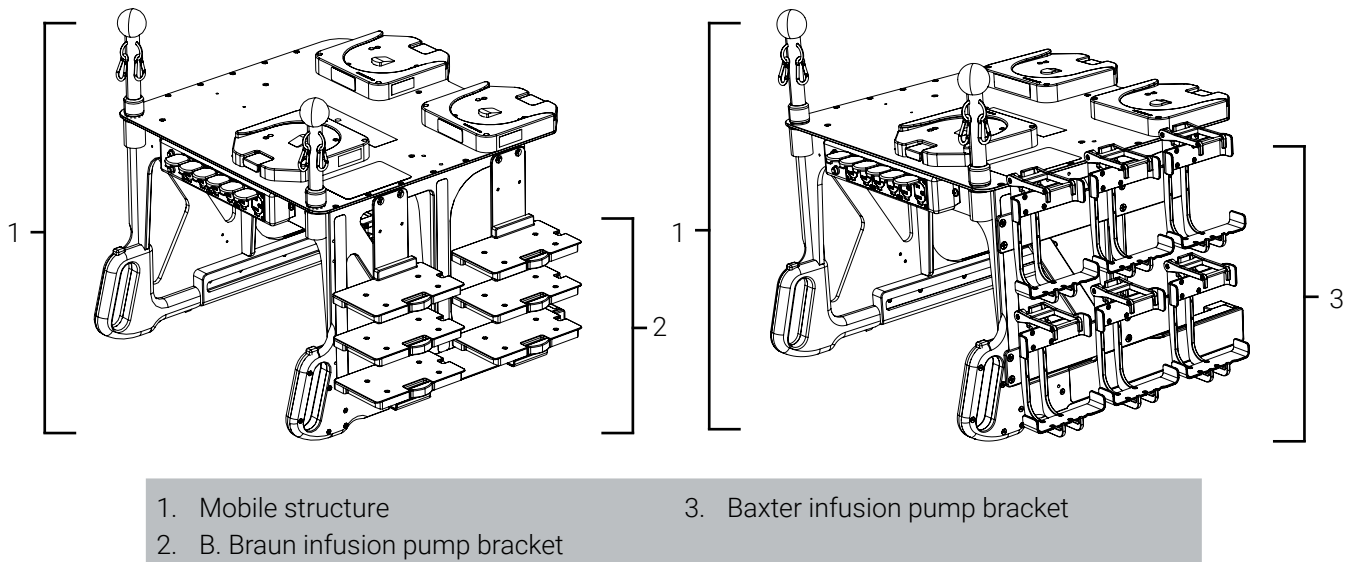
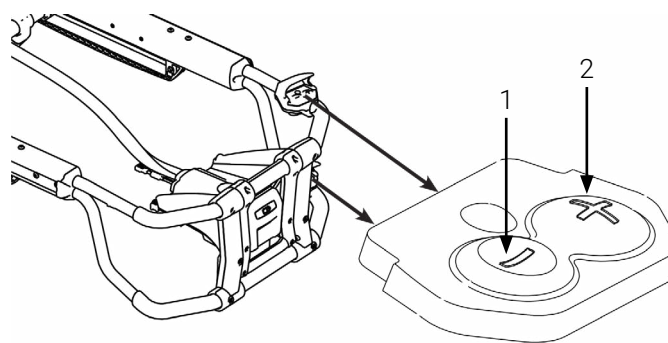


Figure 20: Mobile structure

- Adjust the height of the stretcher to a comfortable position to install the mobile structure using the mechanism (Figure 21). If required, refer to the stretcher operation manual for proper use and recommendations.



- Lower the stretcher
- Raise the stretcher

Figure 21: Stretcher height adjustment mechanism

2. Identify the two (2) push bars for the mobile structure (Figure 22).

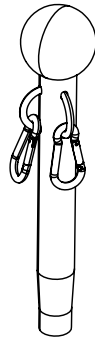


Figure 22: Push bar for the mobile structure - Patient foot end

3. On the mobile structure top plate, rotate one of the two (2) the clamp block collars counterclockwise about a quarter of a turn to loosen, then insert a push bar (Figure 23 A).
4. Tighten the collar ensuring the push bar is secured (Figure 23 B).
5. Repeat steps 3 to 4 for the installation of the second push bar.

NOTE: Use a carabiner to hold the IV bag(s). The maximum weight capacity for transport is 1 L or 1 kg (33.81 fl oz or 2.2 lb), per push bar.

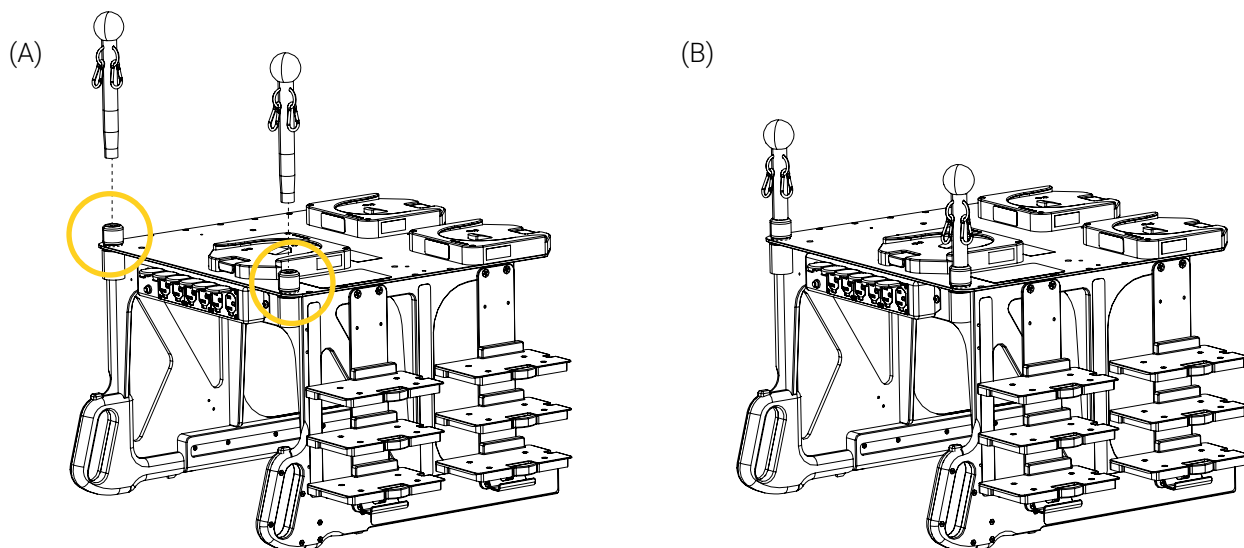


Figure 23: Installing the push bars at patient foot end

- If required, remove the lock pin from the clamp block on both sides of the stretcher (Figure 24).

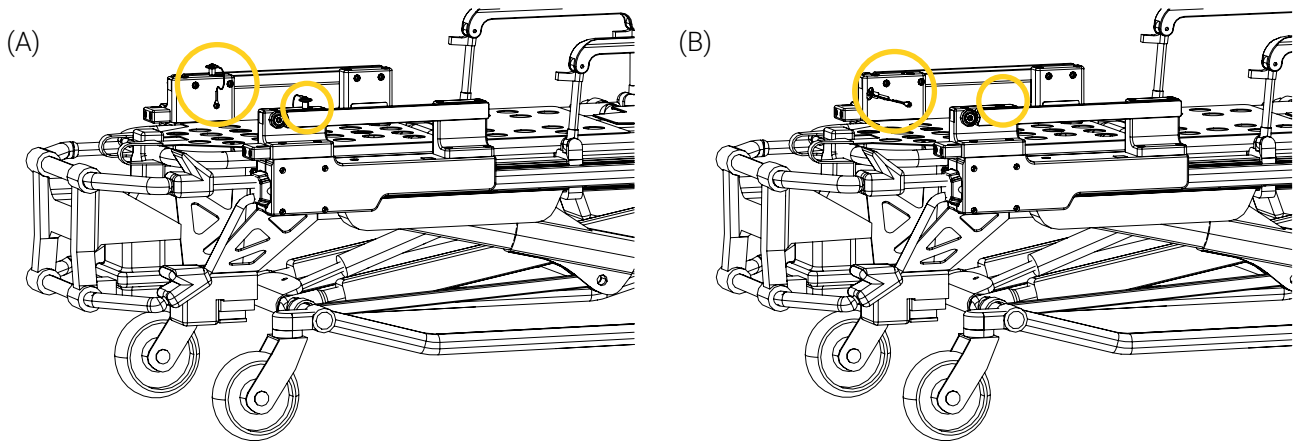


Figure 24: Removing the lock pins

- Assisted by a trained EMS, lift the mobile structure following the proper lifting techniques to prevent injuries.
- Align and insert the mobile structure on the rail system (Figure 25), then move the mobile structure back-and-forth a few times using the handles, until the gliding feels fluid and you no longer feel resistance.

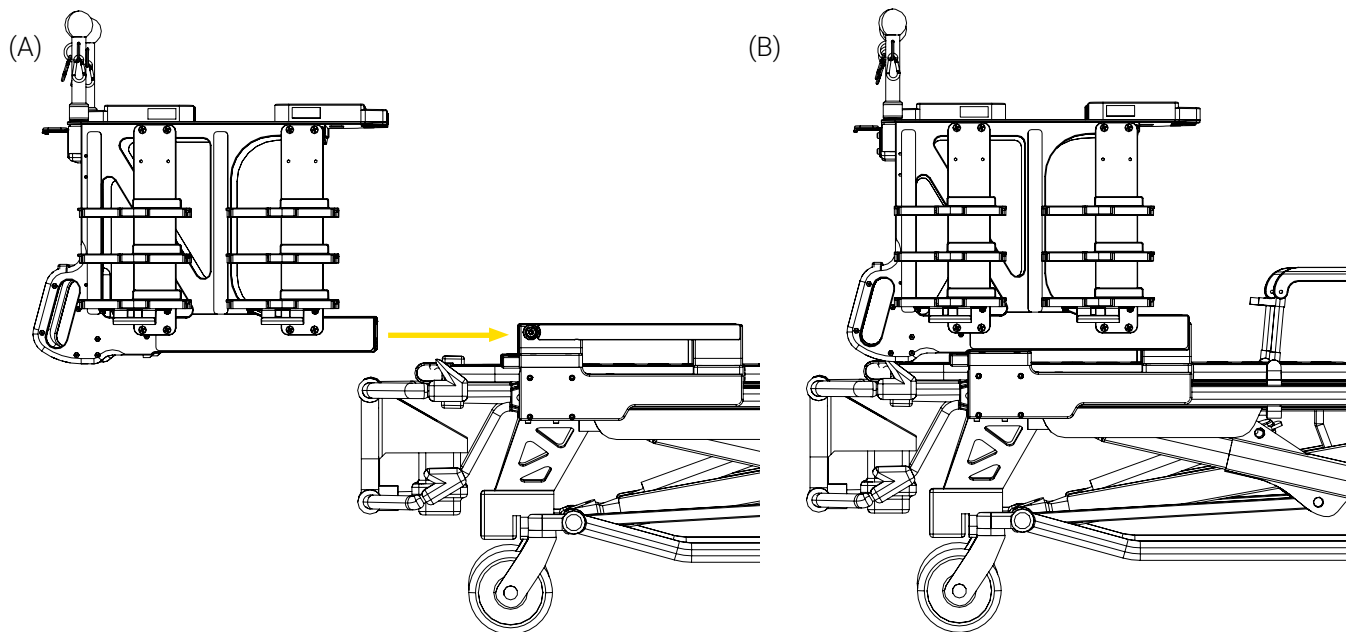


Figure 25: Installing the mobile structure on the rail system

9. Grab the mobile structure handles, then press and hold the quick release mechanisms.
10. Pull the mobile structure towards patient foot end until it locks (Figure 26).

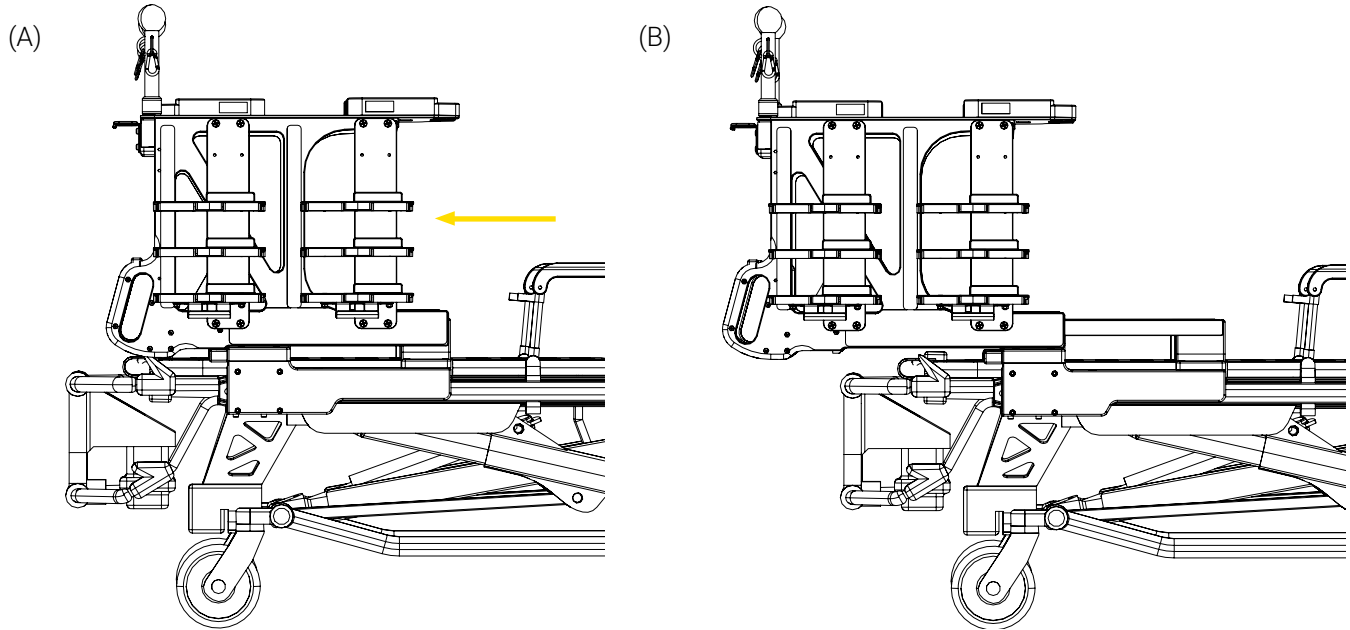


Figure 26: Locking the mobile structure - extended position

11. Tighten the three (3) accessible screws located on top of each rail (Figure 27) using an Allen key 3/16 in. Currently inaccessible, the fourth screw will be tightened in a later step.

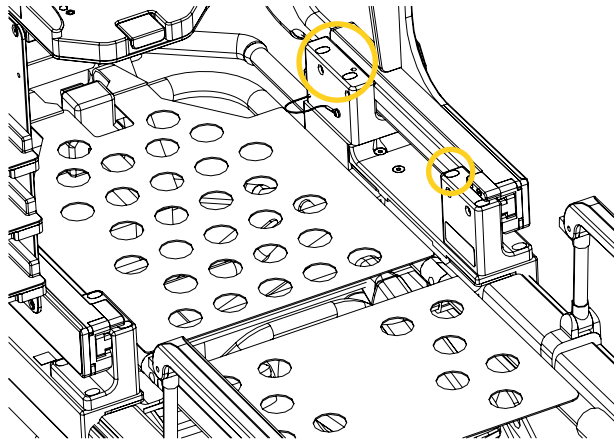


Figure 27: Adjusting the rail system hardware

12. Grab the mobile structure handles, then press and hold the quick release mechanisms (Figure 28).

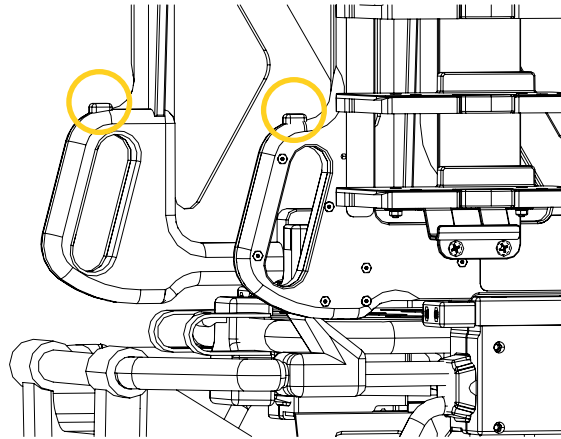


Figure 28: Mobile structure quick release mechanisms

13. Pull the mobile structure towards the patient foot end until it has been removed (Figure 29).

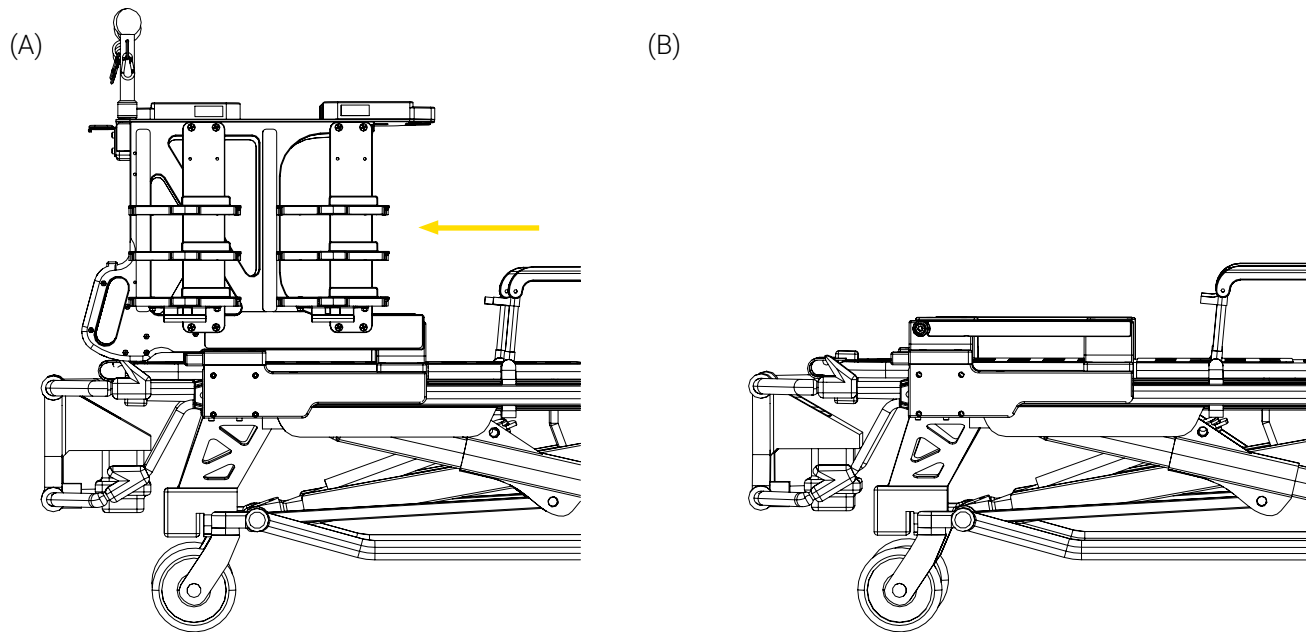


Figure 29: Removing the mobile structure

14. Tighten the previously inaccessible screw located on the top of each rail using an Allen key 3/16 in. (Figure 30).

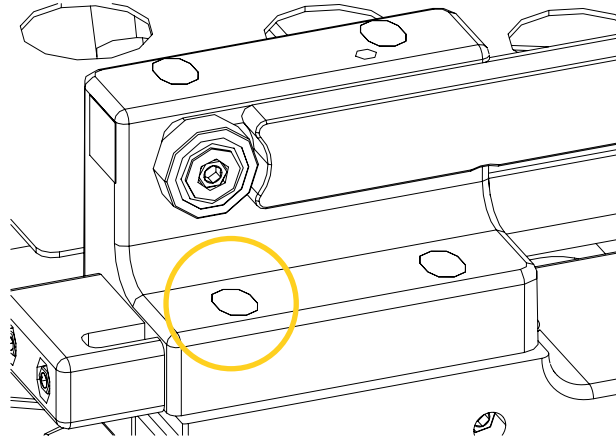


Figure 30: Tightening the screw on top of the rail system

15. Tighten the remaining eight (8) screws of the rail system using an Allen key 3/16 in.
16. Reinstall the mobile structure to ensure that the mobile structure easily glides on the rail system. If not, repeat steps 7 to 15.
17. Leave a gap between $\frac{1}{32}$ and $\frac{1}{16}$ in. between the two (2) small blocks located at the front of the rail system and the inferior surface of the mobile structure (Figure 31 A).
18. Tighten the two (2) socket head screws on each block using an Allen key 5/32 in. (Figure 31 B).

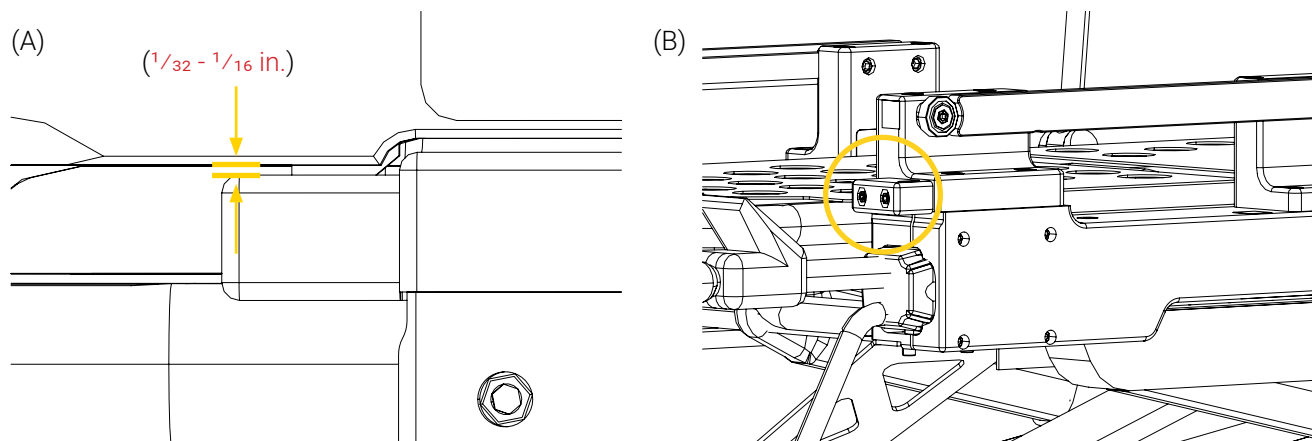


Figure 31: Tightening the rail system blocks

19. Ensure that all the screws are properly tightened, but **do not over tighten**.
20. Reinstall the lock pin on the clamp block on the both sides of the mobile structure (Figure 32), making sure that the lock pins are properly inserted.

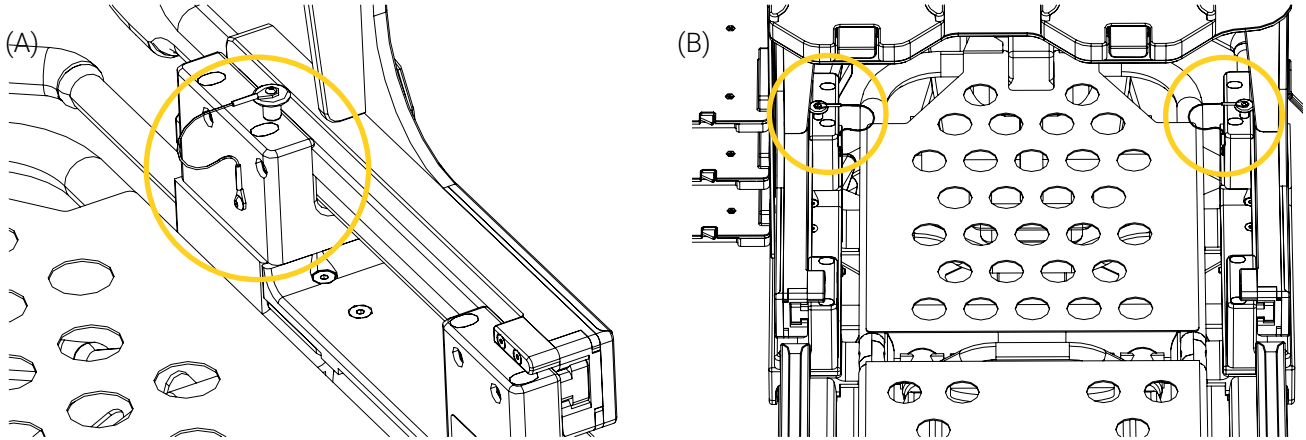


Figure 32: Lock pins installed

21. Install eight (8) screw caps on the clamp blocks of each rail system using a punch and mallet, ensuring that they are flat and leveled with the surface of the clamp blocks (Figure 33).

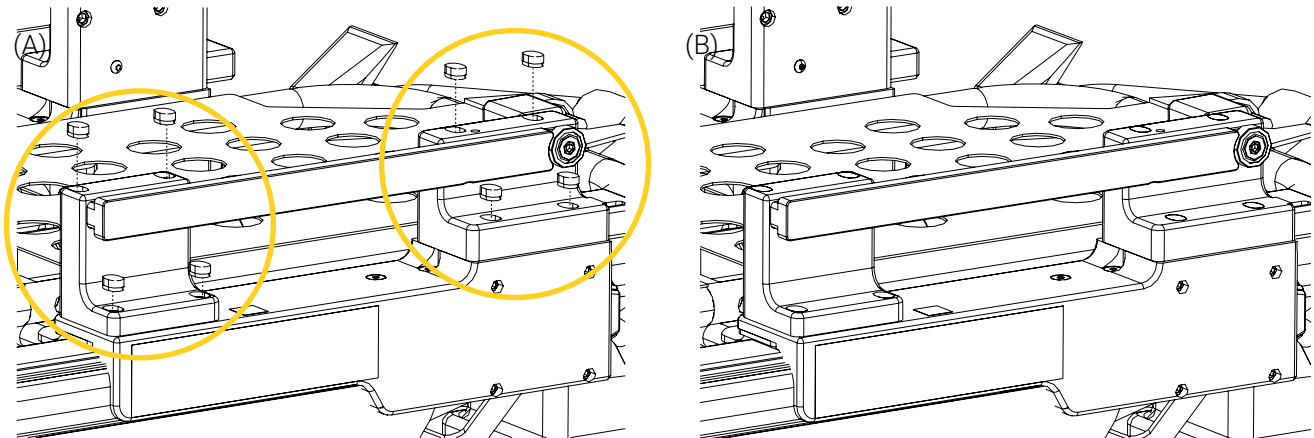


Figure 33: Installation of the screw caps on the clamp blocks of the rail system (patient left)

The installation of the mobile structure is complete (Figure 34).

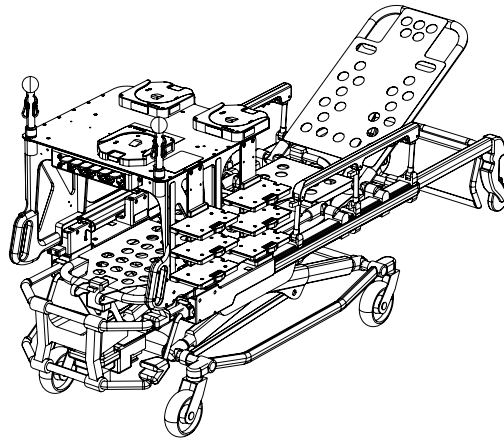


Figure 34: Mobile structure installed

7.8. Install the Safety Labels



Figure 35: Safe Working Load (SWL) label

Place a Safe Working Load (SWL) label between the mobile structure and rail system, on both sides of the stretcher (Figure 36).

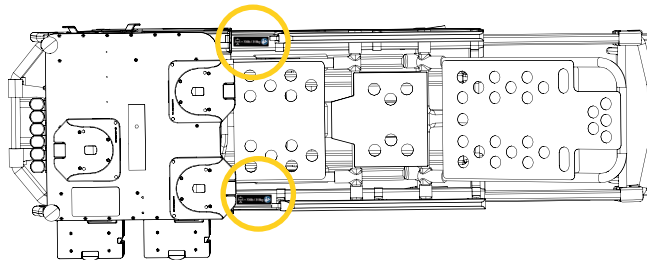


Figure 36: Installing the Safe Working Load (SWL) labels

The installation of the safety labels is complete.

7.9. Install the Push Bars Into the Clamp Blocks at the Patient Head End

1. Identify the push bar clamp block parts (Figure 37).

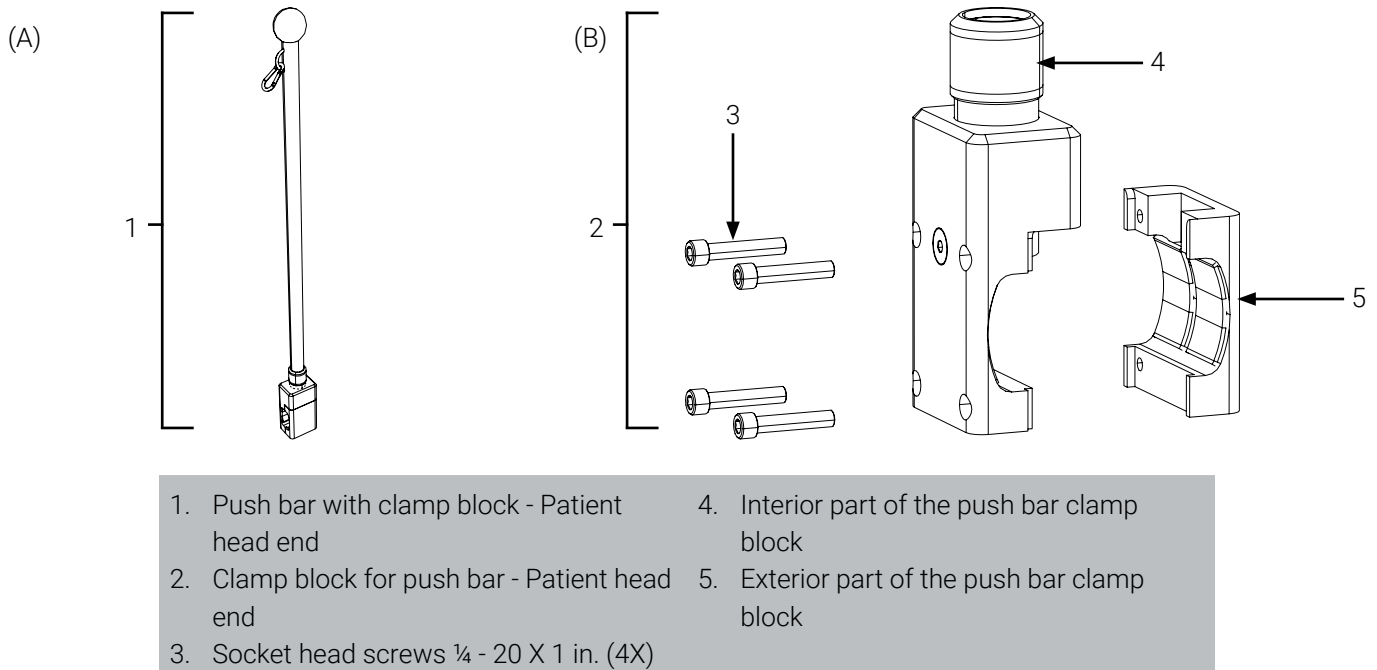


Figure 37: Push bar clamp block parts

2. Lift the backrest of the stretcher upright to allow space for the installation of the clamp blocks.
3. Partially tighten the exterior part of the clamp block on the outside of the stretcher frame and the interior part of the clamp block on the inside of the stretcher frame, using four (4) flat head hex drive screws 1/4 - 20 X 1 in. and an Allen key 5/32 in. (Figure 38 A).
4. Leave a 1 in. gap between the clamp block and the end of the stretcher, then tighten the four (4) screws using an Allen key 5/32 in., alternating the screw heads (Figure 38 B).
5. Repeat steps 3 and 4 on the other side of the stretcher to install the second clamp block.

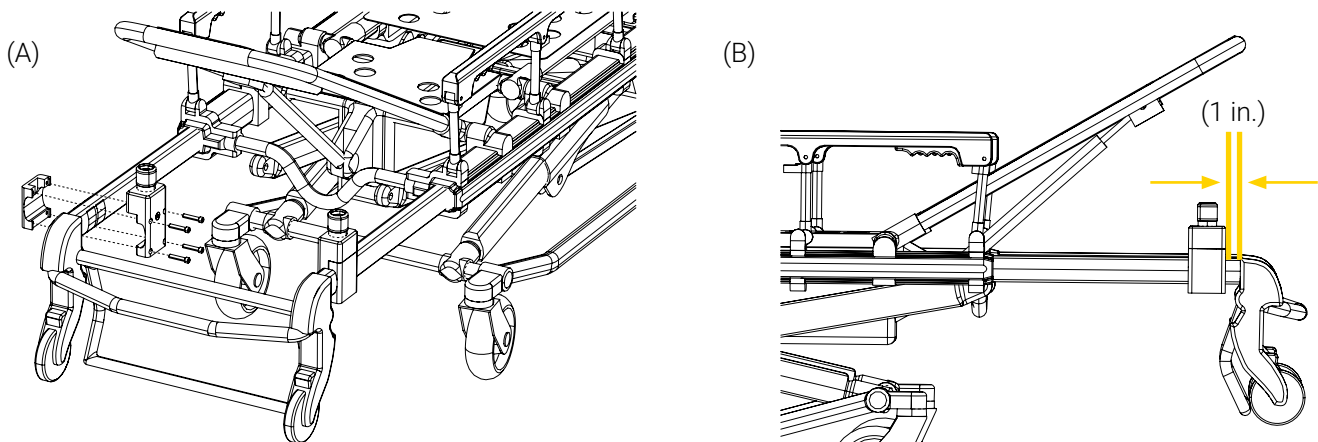


Figure 38: Installing the clamp blocks for the push bars at patient head end

6. Rotate the clamp block collar counterclockwise about a quarter of a turn to loosen, then insert the tapered end of a push bar into the clamp block socket (Figure 39 A).
7. Rotate the clamp block collar clockwise to tighten, ensuring the push bar is secured (Figure 39 B).
8. Repeat steps 6 and 7 for the installation of the second head end push bar.

NOTE: Use a carabiner to hold the IV bag(s). The maximum weight capacity for transport is 2 L or 2 kg (67.63 fl oz or 4.4 lb), per push bar.

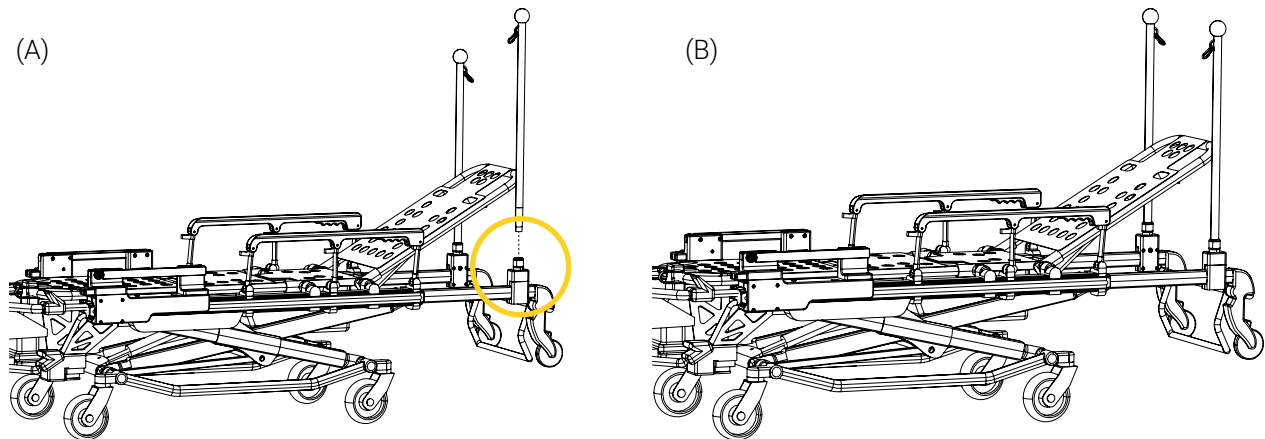


Figure 39: Installing the push bars at patient head end

The installation of the push bars at patient head is complete.

8. Install the Optional Parts



WARNING - Hand Crush/Pinch Point

Keep hands and fingers away from the clamp blocks and rail system when installing or removing the mobile structure to avoid injury.



WARNING - Part Breakage

- **Do not use powered tools** to screw the hardware during installation, as there is a potential risk of damage to the threads.
- All the provided hardware has been previously prepped with thread locking adhesive and is ready to be used as is.

NOTE: Image references within this user manual may differ from actual product. For assistance, 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.

8.1. Required Tools

- Key 7/16 in.
- Phillips screwdriver #2

8.2. Install a second Power Bar (Optional)

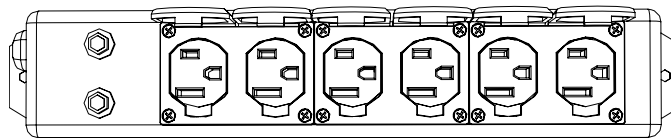


Figure 40: Power bar

1. Towards patient foot end, locate the power bar at the front of the mobile structure, under the mobile structure top plate (Figure 41).

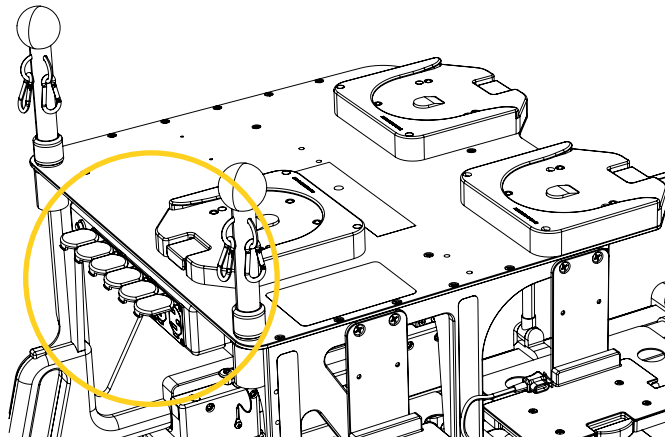


Figure 41: Power bar location

2. From behind the power bar, remove the two (2) nuts, using a Phillips screwdriver #2 (Figure 42). Set aside the nuts temporarily, leaving in place the two (2) ¼ - 20 x 1 in. screws and power bar located at the front of the mobile structure installed.

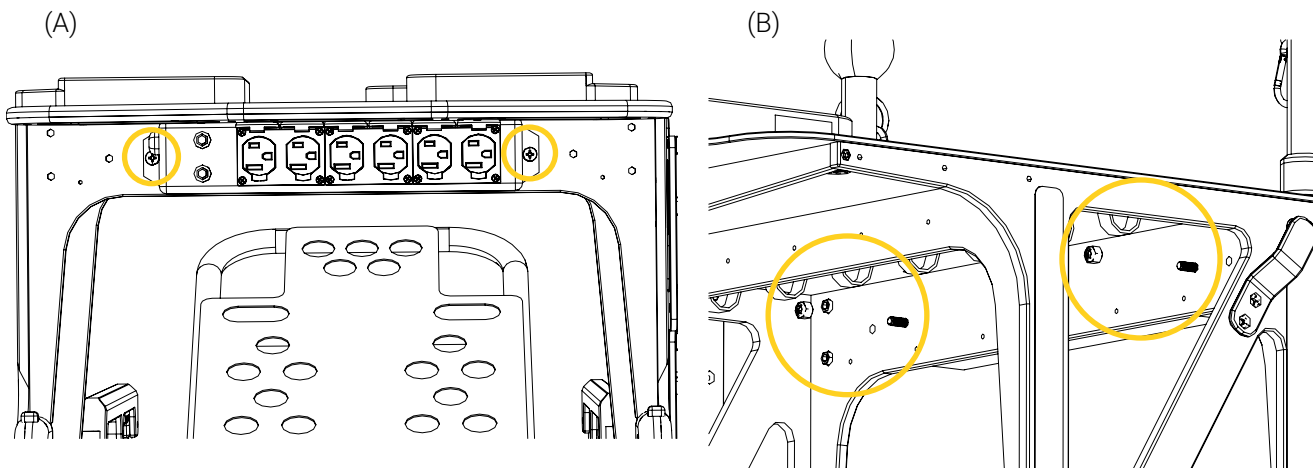
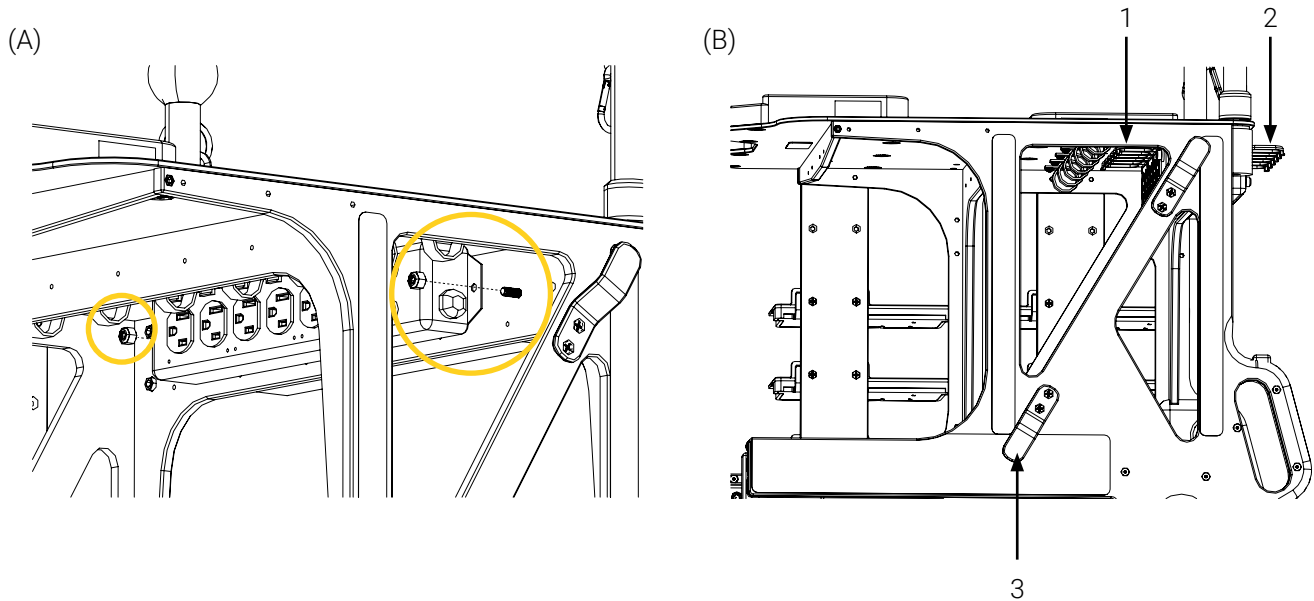


Figure 42: Removal of the nuts

3. Install the second power bar on the stems of the ¼ - 20 x 1 in. screws, then tighten both power bars to the mobile structure reusing the two (2) nuts and a Phillips screwdriver #2 (Figure 43).

NOTE: Once installed, the power bars should be mounted back-to-back, the power outlets should be accessible on both side of the mobile structure top plate and the power cords towards patient right.

4. If needed, use the cable drums located on the mobile structure on patient right, to organize the power cords (Figure 43).



- | | |
|---|--------------------|
| 1. Power bar located under the mobile structure top plate | 3. Cable drum (2X) |
| 2. Power bar located at the front of the mobile structure | |

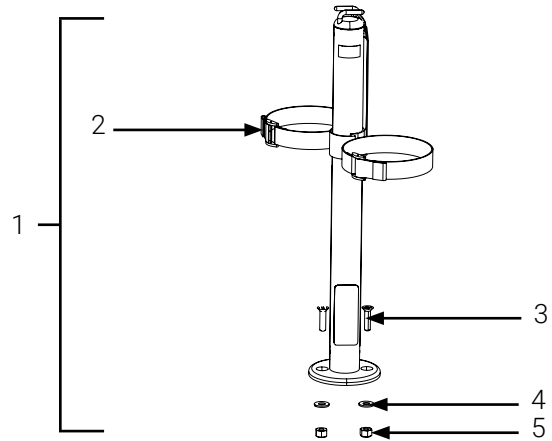
Figure 43: Installing the second power bar

The installation of a second power bar is complete.

8.3. Install the Techni-IV Pole and Strap (optional)

NOTE: The Techni-IV pole is approved for ambulance transport. The maximum weight capacity approved for transport is 1.5 L or 1.5 kg (50 fl oz or 3.3 lb).

1. Identify the Techni-IV pole parts (Figure 44).



- | | |
|--|-------------------------------------|
| 1. Techni-IV pole | 4. Washers (2X) |
| 2. Strap | 5. Nylon-insert locknut ¼ - 20 (2X) |
| 3. Flat head Phillips drive screws ¼ - 20 X 1 in. (2X) | |

Figure 44: Techni-IV pole parts

2. Locate the two (2) holes on the mobile structure top plate intended for the installation of the Techni-IV pole (Figure 45 A).
3. On the mobile structure top plate, install the Techni-IV pole using two (2) flat head Phillips drive screws ¼ - 20 X 1 in. (Figure 45 B).
4. From under the mobile structure top plate, insert a washer and locknut on the stem of each screw, then tighten using a key 7/16 in. and a Phillips screwdriver #2 (Figure 45 B).

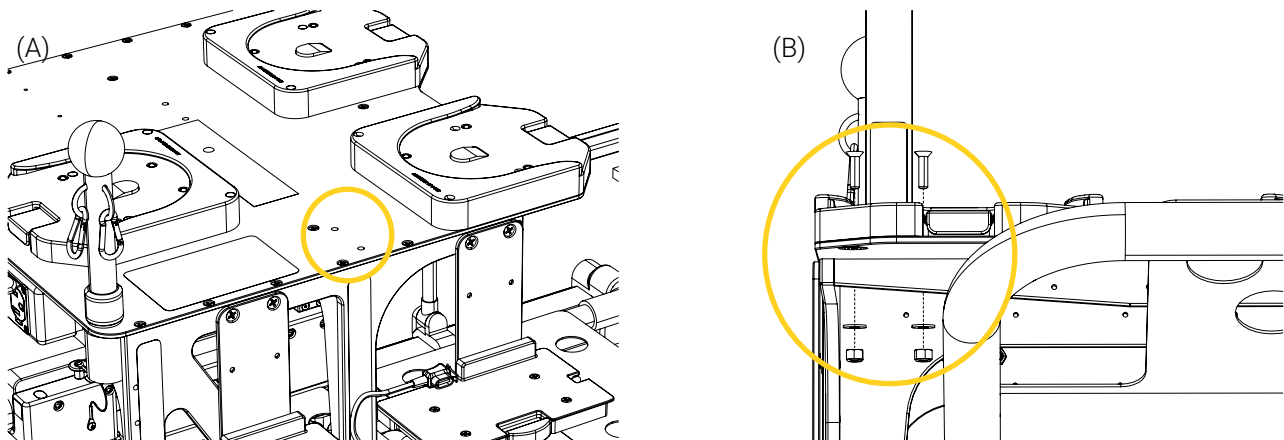


Figure 45: Installing the Techni-IV pole

5. Insert the center loop of the strap on the Techni-IV pole (Figure 46 A).
6. Hook the eyelet at the end of the strap into one of hooks at the top of the Techni-IV pole to install the strap (Figure 46 B).

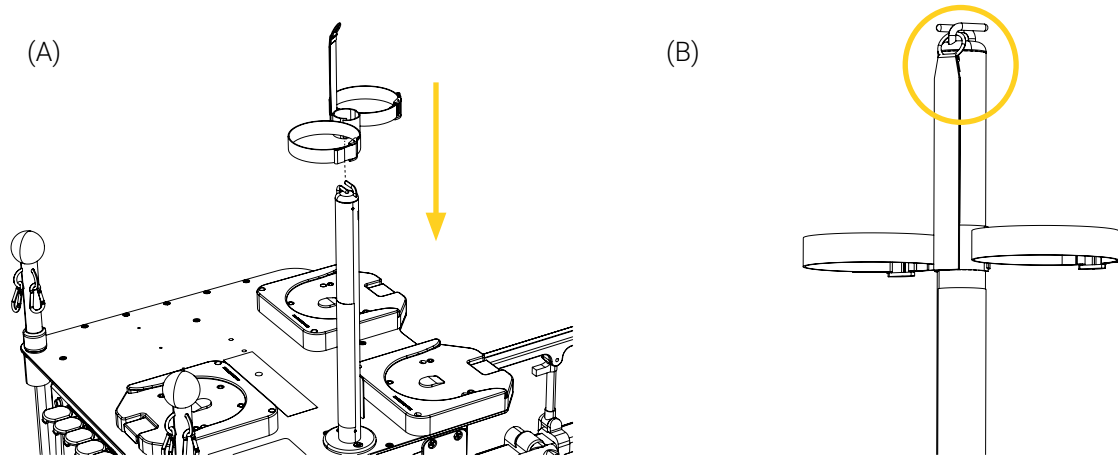


Figure 46: Installing the Techni-IV pole strap

7. Depending on the size of the IV bags used, adjust the size of the Techni-IV pole strap using the strap buckles (Figure 47).

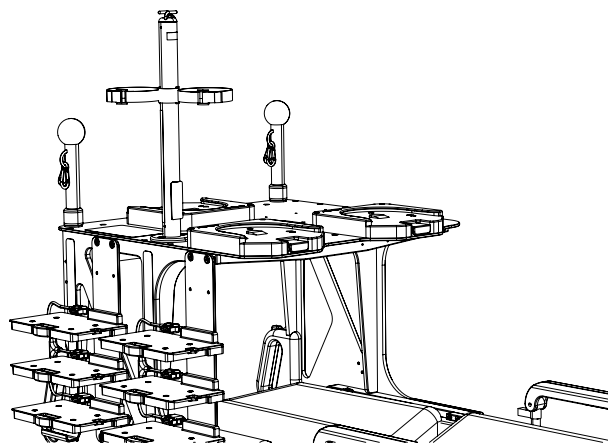


Figure 47: Techni-IV pole and strap installed

The installation of the Techni-IV pole and its strap is complete.

9. Maintenance

Daily safety checks (refer to the Xtension Pro Assistant - CCT/ECMO Operating Guide) and a condition-based maintenance plan (section 9.2) are required and should be established for all Technimount devices. Factors such as weather, environment, geographical location and individual usage will necessitate different needs. For the maintenance of the Xtension Pro Assistant - CCT/ECMO, follow the guidelines listed in the user manual, operating guide and in accordance with your service's current maintenance practices and protocols.

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

Please contact Technical Support at techsupport@technimount.com for replacement parts or repair related issues.



WARNING - General Warning

- **Do not perform maintenance on Technimount products before** receiving proper training.
- **Do not remove the mobile structure** until the medical devices have been removed to perform maintenance operations.
- Perform maintenance operations as described in this user manual. 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 in this user manual. Using unapproved modified parts or procedures for the installation, operation, or maintenance of the Technimount product may cause the device to be unstable and could cause injury to the patients or EMS personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the Technical Specifications in Chapter 3 of this user manual). Recycle damaged parts or dispose according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).



WARNING - Part Breakage

Do not use powered tools to screw the hardware during installation, as there is a potential risk of damage to the threads. All the provided hardware has been previously prepped with thread locking adhesive and is ready to be used as is.



CAUTION - Safe Handling and Operation

- **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 pressure washer to clean the unit, the pressure nozzle must be kept a minimum of 24 in. (61 cm) from the unit.
- Always rinse and dry the mounting systems 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.

**CAUTION - Corrosion**

- Some cleaning products are corrosive in nature and may cause damage to the product if used improperly. When cleaning, always use appropriate Personal Protection Equipment (PPE) based on established protocols (e.g., gloves, eyewear, etc.).
- 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.

9.1. Required Tools

- Clean dry cloths
- Soft brush
- Power washer
- Sodium Thiosulfate solution
- Silicone based lubricant

9.2. Condition-Based Maintenance Plan

Condition-based maintenance is carried out by the maintenance supervisor when the safety checks have revealed underlining issues that need immediate attention and/or to prolong the longevity of the system in optimal conditions. The maintenance supervisor should perform condition-based maintenance minimally every three (3) months, or when required. In case of a non-conformity, stop using the product and contact Technical Support at technicalsupport@technimount.com immediately for a remedial action plan.

CONDITION-BASED MAINTENANCE		DONE	
TASKS		YES	NO
Safety Checks		<input type="checkbox"/>	<input type="checkbox"/>
Perform the safety checks to get an overview of the system's current condition, referring to the Xtension Pro Assistant - CCT/ECMO Operating Guide.			
Clean the System		<input type="checkbox"/>	<input type="checkbox"/>
1. If needed, remove the excess grease and dirt on the rail system using a soft brush.			
2. Remove the contaminants using a power washer.			
3. Clean using a solution of 0.13 oz/3.70 ml Sodium Thiosulfate in 1 pt./0.5 L in lukewarm water and a clean cloth.			
4. If needed, spot clean stains by applying the solution directly on the stain and let sit on the surface.			
NOTE: Avoid over saturation and ensure that the product does not sit on the surface of the bracket longer than recommended by the cleaner's manufacturer.			
5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then towel dry all the components before returning to service.			
Inspect the Hardware		<input type="checkbox"/>	<input type="checkbox"/>
1. Make sure all the screws are accounted for and that they are leveled with the surface in which they are screwed.			
2. Make sure there are no loose screws.			

10. Spare Parts

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 or repair related issues.

PART/KIT NUMBER	PART/KIT DESCRIPTION
1650-10-PFXT-EC	Mobile structure – ECMO
1630-11-PFXT-RHS	Complete clamp block assembly (patient right)
1630-11-PFXT-LFS	Complete clamp block assembly (patient left)
1620-14-PFXT-FPB	2 head end push bar kits including clamp blocks, push bars, aluminum collars, plastic rings, screws and carabiners
1620-15-PFXT-BPB	2 mobile structure push bar kits including support blocks, push bars, aluminum collars, plastic rings, screws and carabiners
9003-00-PFXT	Clamp block for head end push bar
989-00-PFXT	Carabiner for push bars (qty 1)
921-30-UN	Knob for push bars
100-20-UN	Standard Surface Base
1620-18-PFXT-IV	Techni-IV pole with strap
860-00-IV-HLD	Strap for Techni-IV pole
981-00-PFXT	Screw caps for clamp block (qty 16)
982-00-PFXT	Lock pin with wire rope lanyard and screw
9006-00-PFXT	Cable management system with hardware
3000-00-PS-607-INV	Medical grade power bar with surge protection, 7 ft cord
1620-16-PFXT-BXIQ-GR3	Baxter Spectrum® IQ 3-pump bracket
1620-17-PFXT-BBRK-GR3	B. Braun Infusomat® Space®/Perfusor® Space® 3-pump bracket
100-12-XZ-HD	Bracket Pro Serie® 25 for the ZOLL® X Series® monitor/defibrillator
700-12-HMSD	Bracket Pro Serie® 60 - SD for the Hamilton-T1™ ventilator
2410-11-MQCH-INV	Bracket Pro Serie® 112 for the Getinge Cardiohelp™ System compact cardiopulmonary support system
Contact Customer Service	Bracket Pro Serie® mounting systems



TECHNIMOUNT EMS[®]

Technimount EMS offers mounting solutions that can be installed on ambulance counters, walls and stretchers which allows for the equipment to follow the patient throughout the continuum of care. Our unparalleled level of flexibility allows for maximum operability in EMS, hospital and military environments.

Technimount EMS is driven to offer innovative solutions that respond to the unique device management needs of emergency and Critical Care Transport (CCT) teams for ground and air ambulances. Safety is at the core of our values, all Technimount systems are tested in compliance with the highest industry standards for impact resistance. Technimount EMS is committed to developing innovative solutions as healthcare practices evolve.

TECHNIMOUNT E.M.S. HOLDING INC.

3770 Jean Marchand Street, Suite 100-C
Quebec (QC) G2C 1Y6
Canada
T + 1 581.700.6613
TF + 1 888.639.2758 (North America)

technimount.com