TECHNIMOUNT
EMS®

XTENSION PRO™ ASSISTANT - CCT/ECMO

OPERATING GUIDE

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. Safety Guidelines

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 - General Warning

- **Do not perform** safety checks on Technimount products, before receiving proper training.
- Perform the safety checks, as described in this operating guide. Failing to follow the recommended guidelines could cause premature damage to the product.
- 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 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.

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.
- 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 - 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 stretcher.

2. Orientation Diagram with Stretcher

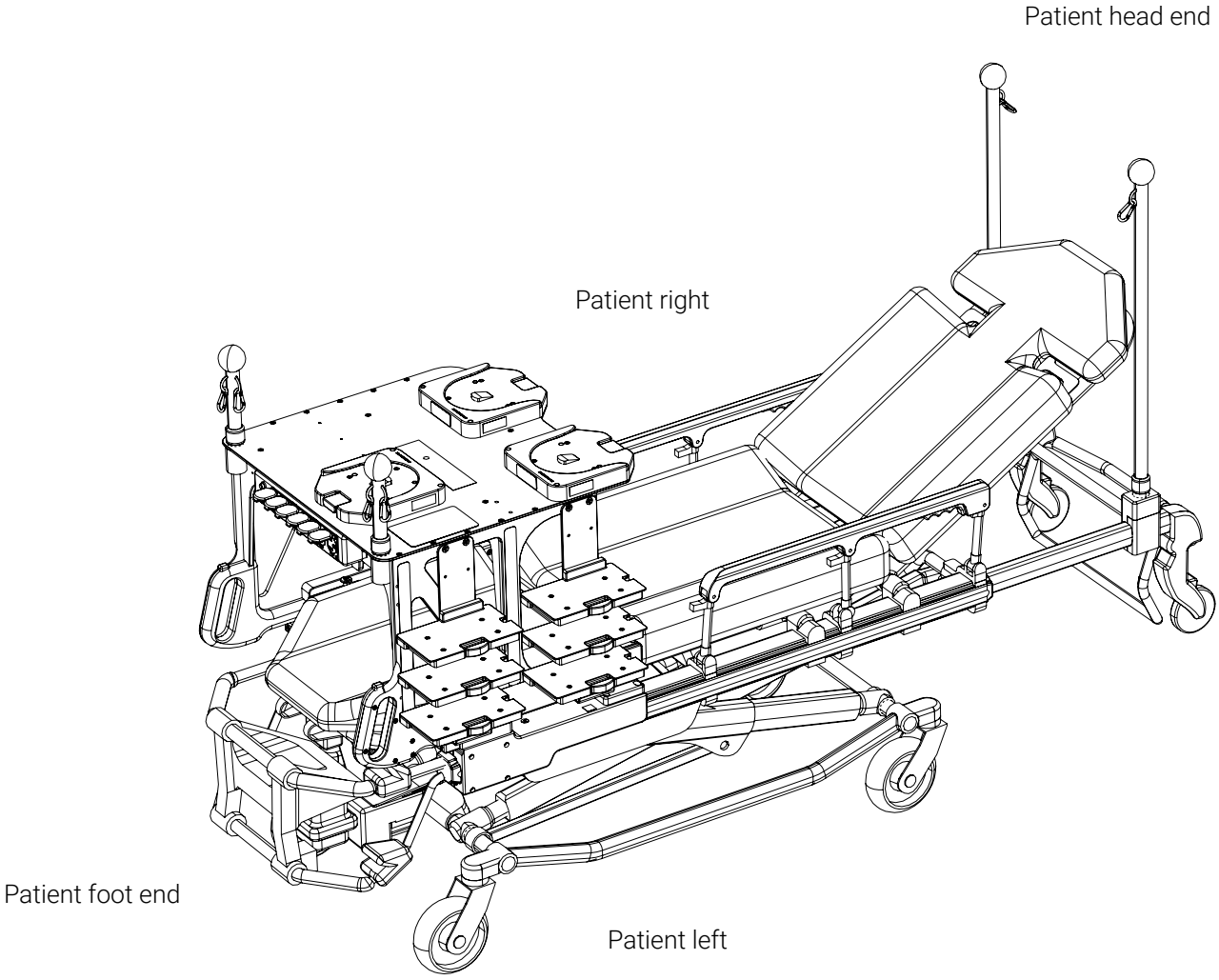


Figure 1: Orientation diagram with stretcher

3. Operate the Xtension Pro Assistant - CCT/ECMO

This Operating Guide is used to help EMS personnel effectively use the Xtension Pro Assistant - CCT/ECMO during EMS and critical care transport. For detailed product information that is not user related, refer to your supervisor or the user manual when required.

NOTE: Always perform the Safety checks **before** using the Xtension Pro Assistant - CCT/ECMO. Refer to the "Daily Safety Checks" on page 17 before each use.

NOTE: The infusion pump bracket model on your Xtension Pro Assistant - CCT/ECMO will vary depending on the type of infusion pump used. The installation and removal procedures are detailed in this operating guide. Please follow the instructions for the specific pumps used.

NOTE: Technimount continually seeks advancements in product design and quality. While this Operating Guide 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.

3.1. Patient Lateral Transfer

NOTE: The following steps can be done before or after the installation of the medical devices. Please refer to your protocols for the patient lateral transfer (hereinafter referred to as lateral transfer), when using this system.

1. Ensure the lock pins on the mobile structure are well inserted on both sides, prior to installing the medical devices or performing a lateral transfer (Figure 2).

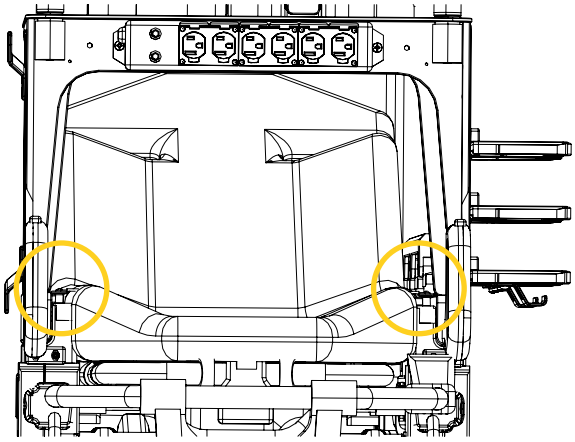
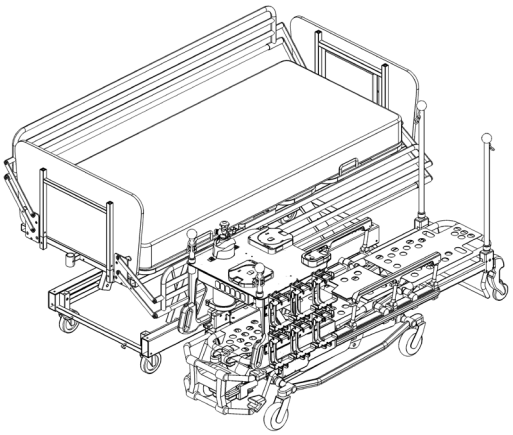


Figure 2: Lock pins

2. Position the stretcher on patient left to prepare for the lateral transfer (Figure 3 A).
3. Lift the stretcher parallel to the bed using the mechanism (Figure 3 B). If required, refer to the stretcher operation manual for proper use and recommendations.
4. Straighten the stretcher wheels, ensuring that the longer side of the wheel is facing patient foot end, then apply the brakes (Figure 3 B).

(A)



(B)

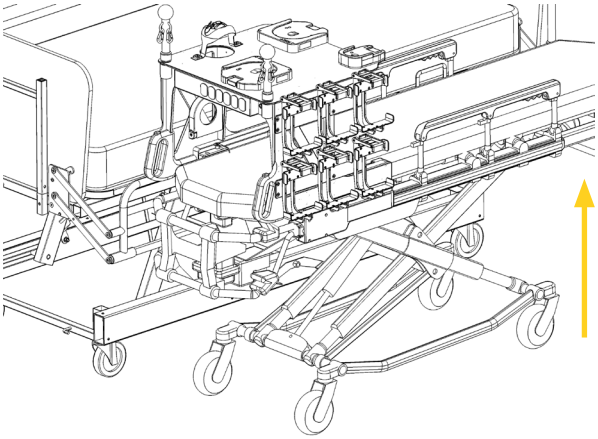


Figure 3: Stretcher position for lateral transfer

5. At the patient head end, locate the push bar situated between the bed and the stretcher (Figure 4).
6. Rotate the clamp block collar counterclockwise about a quarter of a turn to loosen.
7. Pull the push bar upwards, while gently rotating the bar to remove it (Figure 4). Set aside the push bar temporarily.

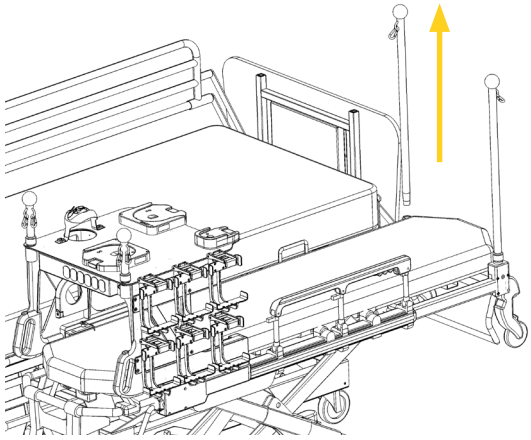
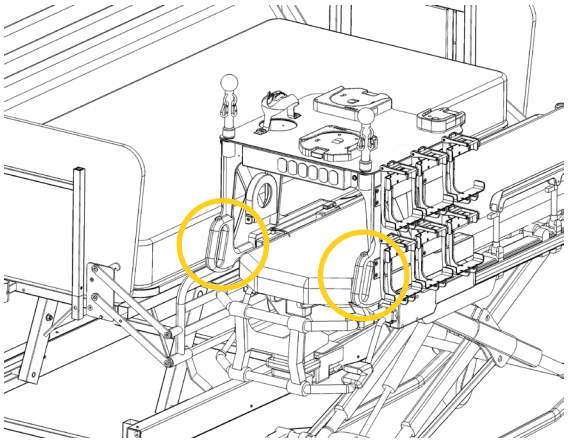


Figure 4: Removing the push bar at patient head end

8. Grab the mobile structure handles, then press and hold the quick release mechanisms (Figure 5 A).
9. Pull the mobile structure towards the patient foot end until you have reached the lock pins (Figure 5 B).

(A)



(B)

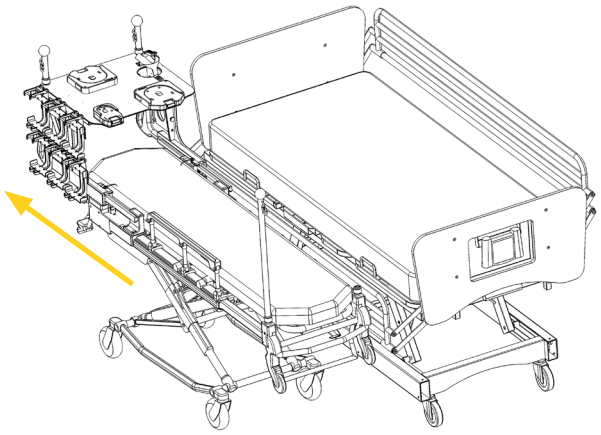


Figure 5: Mobile structure position before lateral transfer

10. Transfer the patient.
11. Once the lateral transfer is complete, grab the mobile structure handles, then press and hold the quick release mechanisms.
12. Push the mobile structure towards the patient head end until it locks (Figure 6).

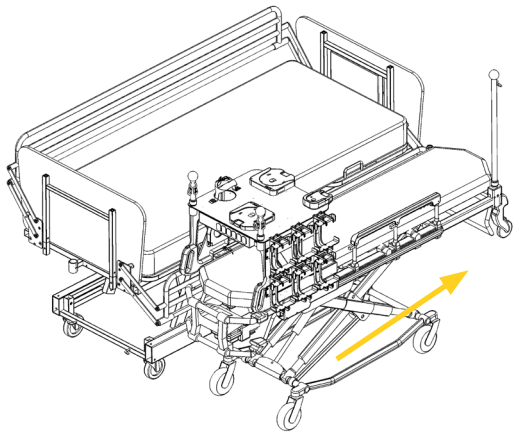


Figure 6: Mobile structure position after lateral transfer

13. Reinstall the push bar by inserting its tapered end in the clamp block socket (Figure 7).
14. Rotate the clamp block collar clockwise to tighten, ensuring the push bar is secured.

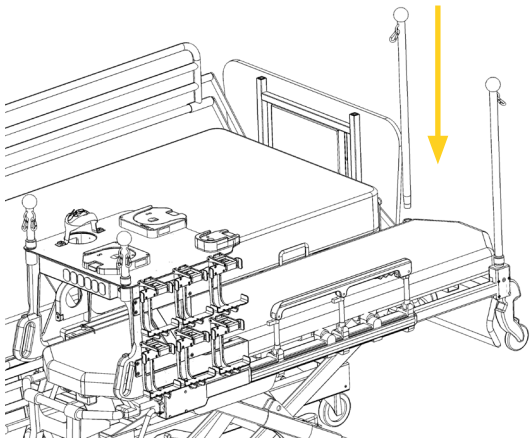


Figure 7: Installing the push bar at patient head end

The patient lateral transfer is complete.

3.2. Install a Medical Device on a Standard Surface Base

NOTE: Only a Technimount bracket with a standard bottom disc can be installed onto the Standard Surface Base. Please refer to the appropriate Bracket Pro Serie user guide to follow the appropriate instructions for installation and use.

NOTE: Prior to installing a medical device on the Xtension Pro Assistant - CCT/ECMO, ensure that:

- The stretcher is at the lowest height possible, the wheels are straight with the longer side of the wheel facing the foot end and the brakes have been applied.
- The mobile structure is pulled all the way in towards the patient foot end, and locked.

1. Align and insert the standard bottom disc located under the bracket of the medical device horizontally in the Standard Surface Base, on the top plate of the mobile structure until it is locked (Figure 8).

(A) (B)

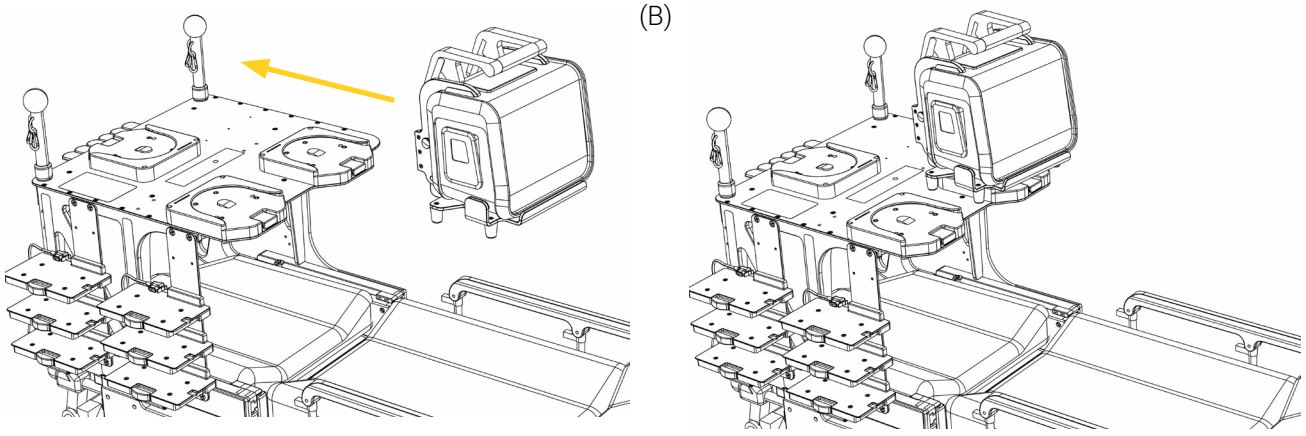


Figure 8: Installing a medical device on a Standard Surface Base

2. Move the medical device back-and-forth to ensure that the bracket is locked securely in the Standard Surface Base.
3. Turn the medical device clockwise or counterclockwise (Figure 9), to the desired position.

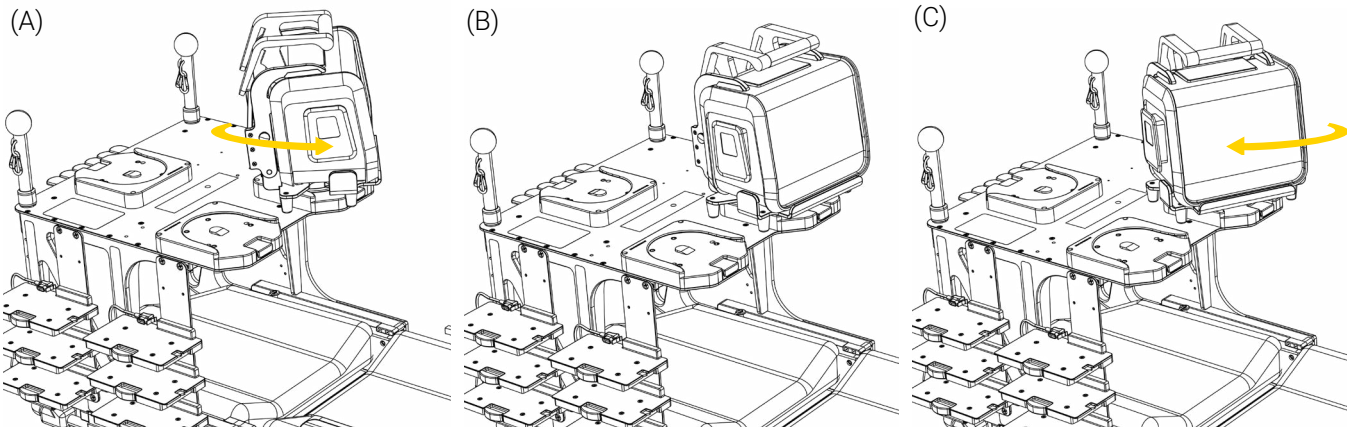


Figure 9: Rotating the medical device on a Standard Surface Base

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

3.3. Remove a Medical Device from a Standard Surface Base

Press and hold the quick release button of the Standard Surface Base (Figure 10), then pull the medical device horizontally out of the base using the handle (Figure 10). Set aside the medical device.

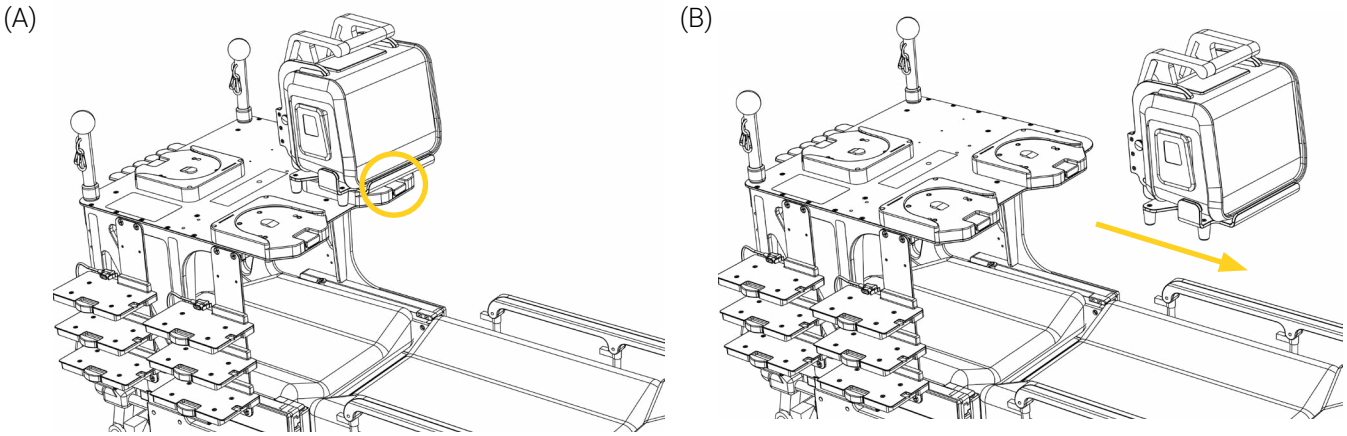


Figure 10: Removing a medical device from a Standard Surface Base

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

3.4. Install the Baxter Infusion Pumps in the Pump Bracket

1. Pull the quick release mechanism on the pump holder forward (Figure 11 A), then lift the top part of the holder to open it (Figure 11 B).

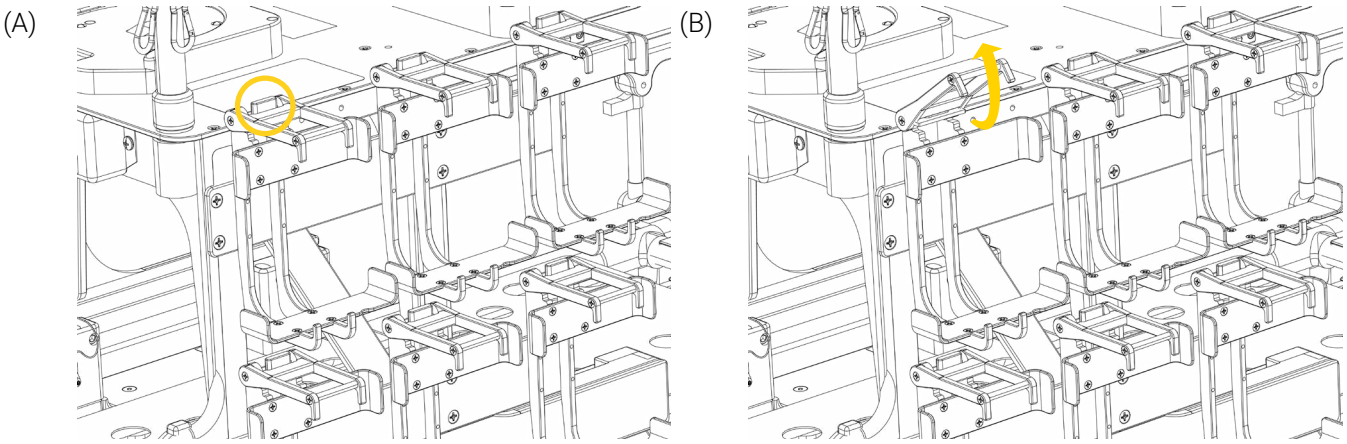


Figure 11: Opening the infusion pump holder

2. Insert the pump at an angle into the holder (Figure 12 A).
3. Tilt the pump in an upright position, ensuring that it is centered inside the holder (Figure 12 B)
4. Lower the top part of the holder over the pump, then press down on the top until the locking mechanism of the holder is engaged (Figure 12 C).
5. Move the pump up and down a few times to ensure it is locked and secured in the holder.

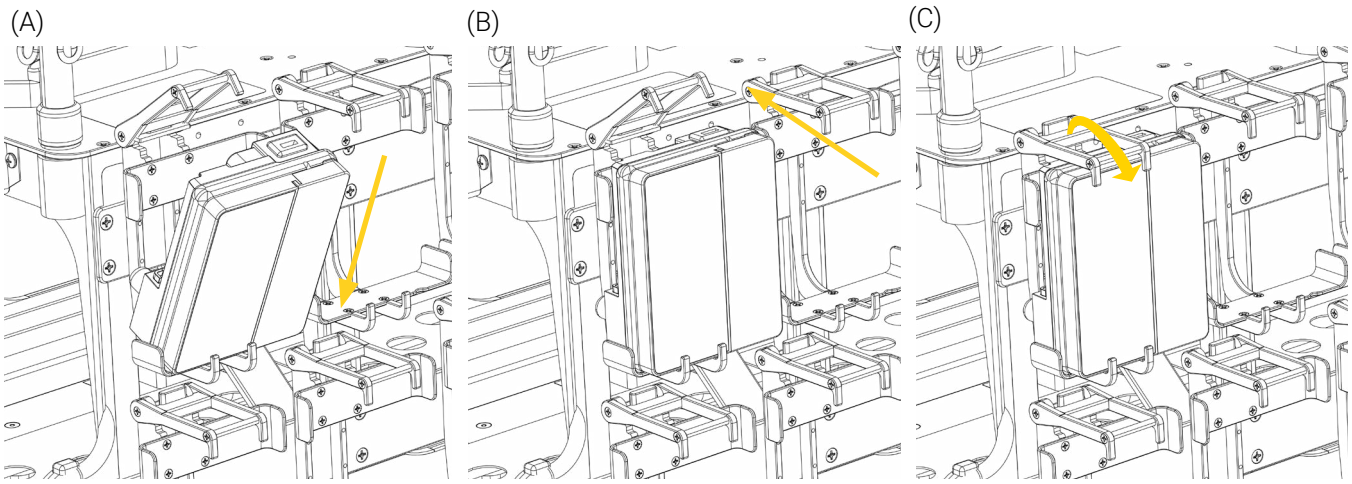


Figure 12: Installing the Baxter Spectrum IQ infusion pump

6. Repeat steps 1 to 5 to install more pumps in the remaining pump holders of the bracket, when required.

The installation of the Baxter Spectrum IQ infusion pump is complete.

3.5. Remove the Baxter Infusion Pumps from the Pump Bracket

1. Pull the quick release mechanism on the pump holder forward (Figure 13 A), then lift the top part of the holder to open it (Figure 13 B).

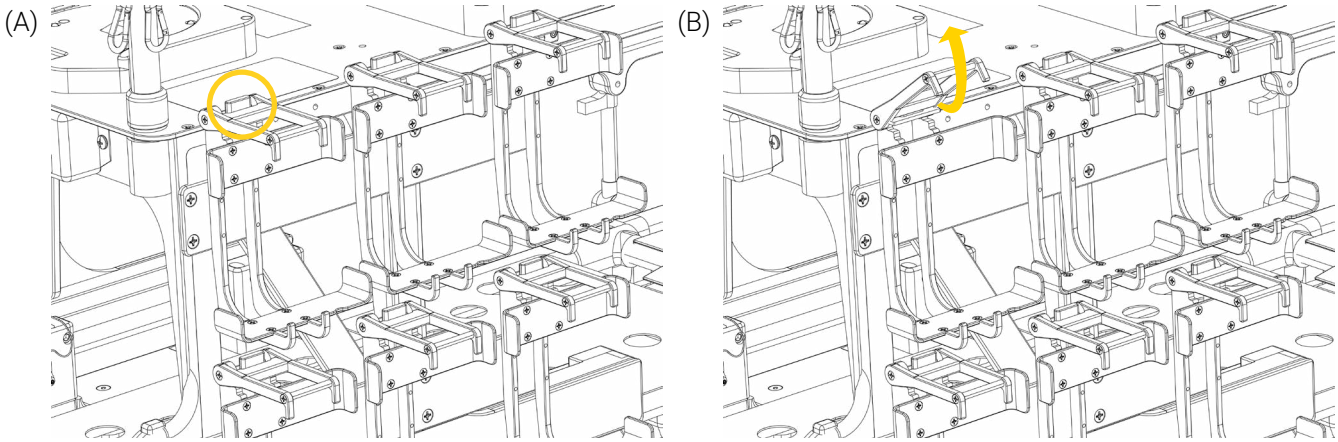


Figure 13: Opening the infusion pump bracket

2. Tilt the pump forward (Figure 14 A), then pull out the pump to remove it (Figure 14 B). Set the pump aside.

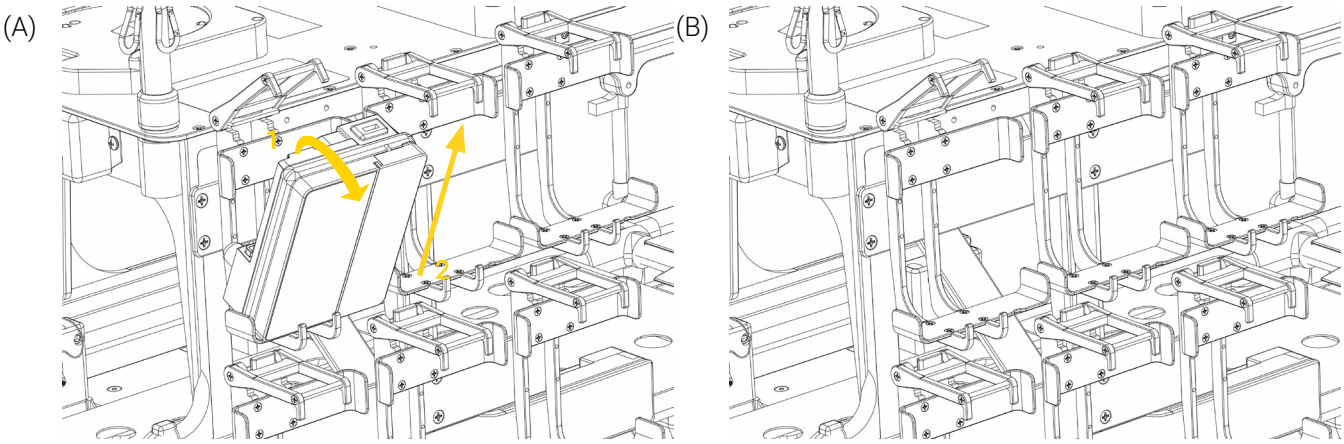


Figure 14: Removing the Baxter Spectrum IQ infusion pump

3. Repeat steps 1 and 2 to remove the remaining pumps from the bracket, when required.

The removal of the Baxter Spectrum IQ infusion pump is complete.

3.6. Install the B. Braun Infusion Pumps in the Pump Bracket

NOTE: Only three (3) Perfusor Space pumps can be installed on the bracket. Ensure that the pumps are installed towards the head end of the mobile structure.

1. Plug in the power cord into the back of the infusion pump (Figure 15 A), to facilitate the installation. If required, refer to the pump's operation manual for proper use and recommendations.

   NOTE: The power cord comes out from the side of the pump bracket and must be connected to each pump. The power cord is provided by the pump manufacturer.

2. Locate the two (2) bottom grooves under the pump (Figure 15 B).

(A) (B)

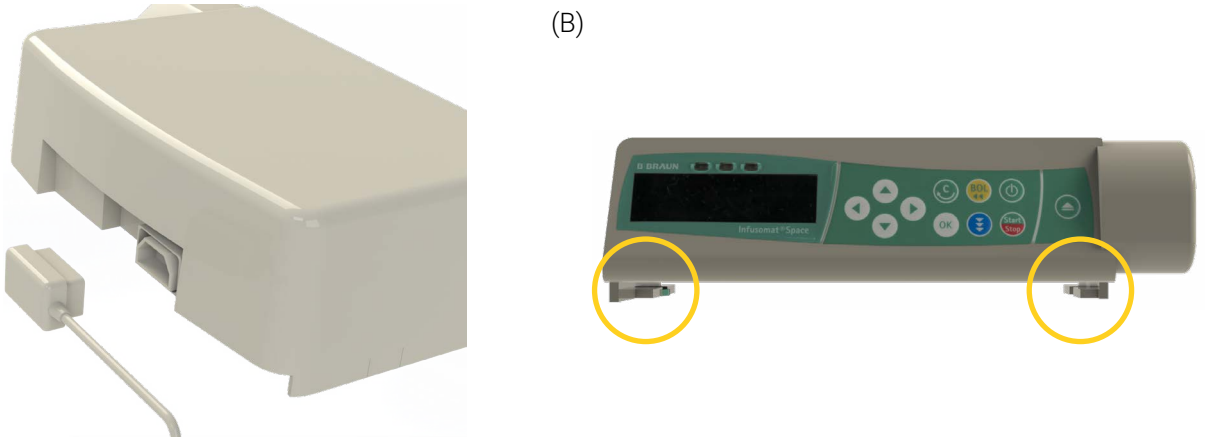


Figure 15: B. Braun Infusomat Space infusion pump

3. Align and insert the bottom grooves in the pump holder, then push the pump straight and all the way back until the locking mechanism of the holder is engaged (Figure 16).

(A) (B)

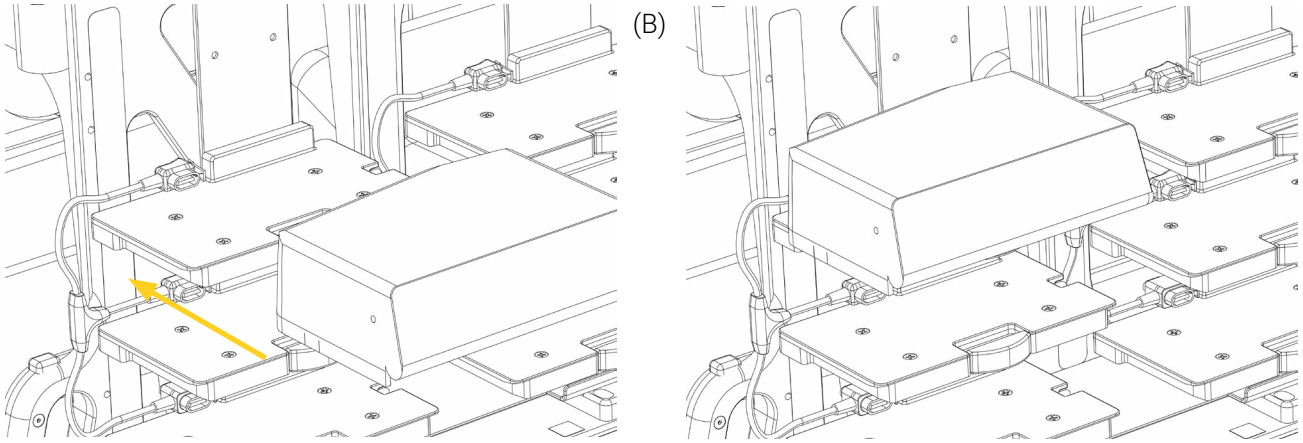


Figure 16: Installing the B. Braun Infusomat Space infusion pump

4. Move the pump back-and-forth to ensure it is locked and secured in the holder and connected at the back (Figure 17 A).
5. Repeat the steps 1 to 4 to install the remaining pumps into the bracket (Figure 17 B), when required.

(A) (B)

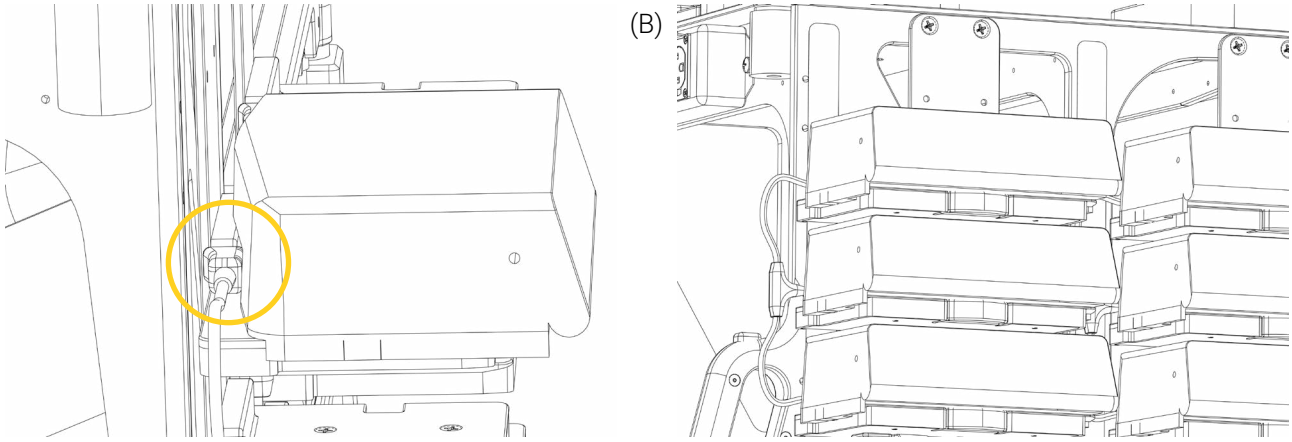


Figure 17: B. Braun Infusomat Space infusion pump installed and connected

The installation of the B. Braun Infusomat Space/Perfusion Space infusion pumps is complete.

3.7. Remove the B. Braun Infusion Pumps from the Pump Bracket

1. Unplug the pump from the back (Figure 18).

(A) (B)

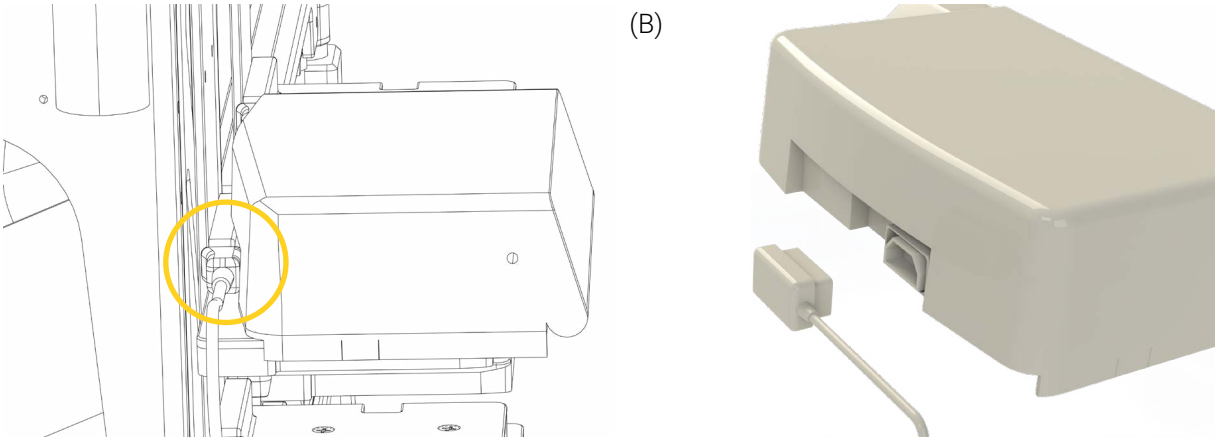


Figure 18: Unplugging the B. Braun Infusomat Space infusion pump

2. Holding both sides of the pump, use your thumb to press and hold the quick release button located at the front of the holder to disengage the pump (Figure 19 A).
3. Pull and slide the pump outwards to remove it from the pump holder (Figure 19 B). Set the pumps aside.

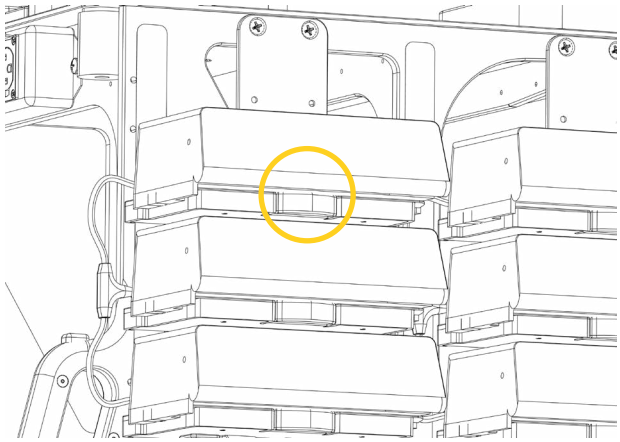
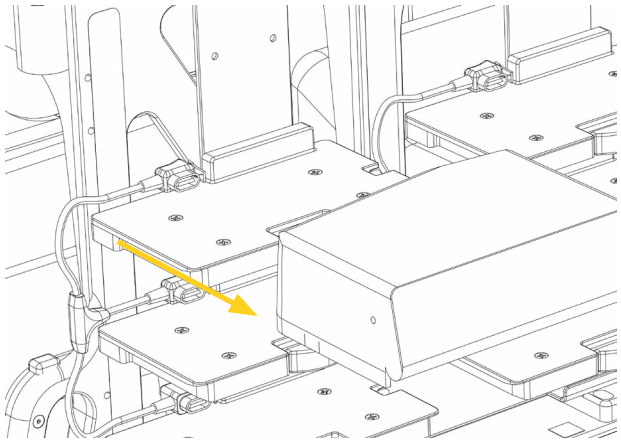
(A)  (B) 

Figure 19: Removing the B. Braun Infusomat Space infusion pump

4. Repeat steps 1 to 3 to remove the remaining pumps from the bracket, when required.

The removal of the B. Braun Infusomat Space infusion pump is complete.

4. Perform the Daily Safety Checks

Daily safety checks on Technimount products are recommended to keep them in good condition and avoid failure or injury to the patient or EMS personnel. EMS personnel should perform the daily safety checks at the beginning of each work shift.

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.

4.1. Required Tools

- Clean dry cloth

4.2. Daily Safety Checks

Refer to the illustrated inspection points (Figure 20), if needed.

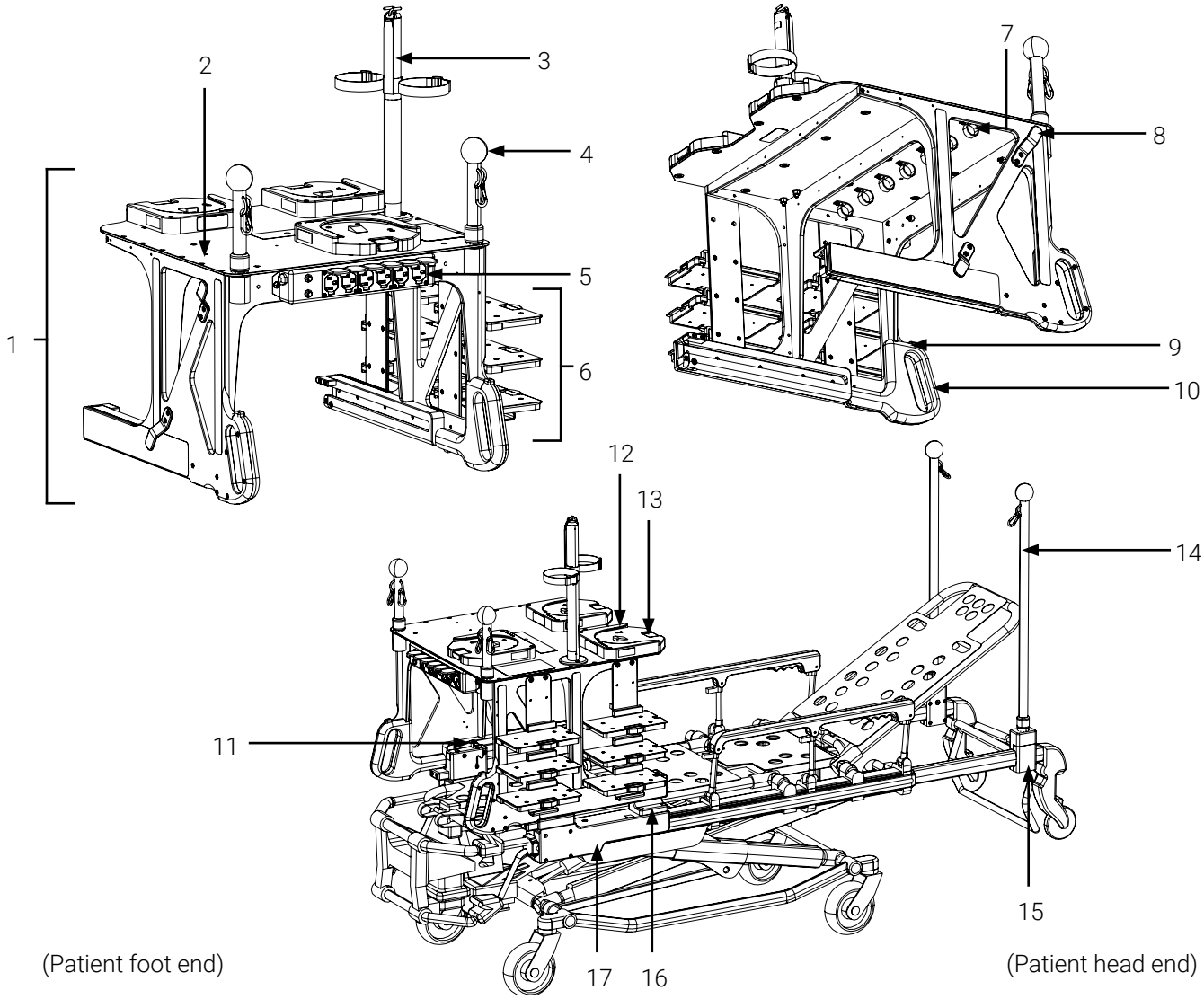
NOTE: In case of a non-conformity, alert the maintenance supervisor of all non-compliances and immediately cease use.

DAILY SAFETY CHECKS	COMPLIANT	
INSPECTIONS	YES	NO
Mobile Structure and Rails (Figure 20)		
- Visually inspect the structure to ensure that there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐
- Visually inspect the handles of the mobile structure to ensure there is no damage or chemical attack and that the hardware is in good condition.	☐	☐
- Visually inspect the quick release mechanism cavities of each handle and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Press and release the quick release mechanisms of each handle and make sure of proper functioning. The mechanism should go in and out without any resistance.	☐	☐
- Checking that the lock pins are well installed on both sides.	☐	☐
- Visually inspect the rails to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐
- Make sure there are no lodged particles in the rail system and bearings. If so, immediately remove using a clean dry cloth.	☐	☐
- Install/remove mobile structure to ensure proper functioning. The mobile structure should be easily inserted and locked in position and easily removed when using the quick release mechanism.	☐	☐
Standard Surface Bases (Figure 20)		
- Visually inspect all the components of the bases to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐

DAILY SAFETY CHECKS	COMPLIANT	
INSPECTIONS	**YES**	**NO**
- Visually inspect the interior rim of each base and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Visually inspect the quick release mechanism cavities of each base and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Press and release the quick release mechanism of each base and make sure of proper functioning. The mechanism should spring in and out without any resistance.	☐	☐
- Visually inspect the lock wedge cavities of each base and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Press and release the lock wedge of each base and make sure of proper functioning. The mechanism should spring in and out without any resistance.	☐	☐
- Install/remove medical device on each base a few times to ensure proper functioning. The medical devices should be easily inserted and locked in position after the click sound and easily removed when using the quick release mechanism.	☐	☐
Techni-IV Pole (Figure 20)		
- Visually inspect all the components of the Techni-IV pole to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐
Push Bars and Clamp Blocks (Figure 20)		
- Visually inspect all the components of the push bars and clamp blocks to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐
- Ensure the collars of each pole are tightened in the clamp blocks. The bars should be secured in place.	☐	☐
Infusion Pump Brackets (Figure 20)		
- Visually inspect all the components of the bracket to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.	☐	☐
- Visually inspect the interior cavities of each bracket and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Visually inspect the quick release mechanism cavities of each bracket and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.	☐	☐
- Press and release the quick release mechanism of each bracket and make sure of proper functioning. The mechanism should spring in and out without any resistance.	☐	☐
- Press and release the quick release mechanism of each bracket and make sure of proper functioning. The mechanism should spring in and out without any resistance.	☐	☐
- Install/remove a pump in each bracket to ensure proper functioning. The pump should be easily inserted and locked in position after the click sound and easily removed when using the quick release mechanism.	☐	☐

DAILY SAFETY CHECKS	COMPLIANT	
INSPECTIONS	YES	NO
Daily Safety Checks completed on (dd/mm/yyyy), by		
Comments and observations:		

4.3. Illustrated Inspections Points



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

Figure 20: Inspection points

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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.

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