



**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](mailto:techsupport@technimount.com).

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## 1. Safety Guidelines



### **WARNING - Hand Crush/Pinch Point**

**Do not** put hands or fingers on or near the side clamp blocks or 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.



### **CAUTION - Safe Handling and Operation**

- **Do not** operate the stretcher when the mobile structure is in the extended position. Ensure that the mobile structure is in its closed position and both lock pins are secured into place before transporting.
- Always keep the lock pins installed during transport. The lock pins should only be removed to insert and remove the mobile structure.
- Improper use of the Technimount product may damage the device or cause injury to the patients or EMS personnel.



### **CAUTION - Safe Practice**

- 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 guidelines as described in this document.
- Always ensure that the medical device is secured in the bracket, that the locking mechanisms are functional and that the lock pins are properly inserted before use.



### **CAUTION - Working Load/Load Balance**

- **Do not** overload the system. The Safe Working Load (SWL) is 103 lbs (46.8 kg).
- The maximum weight capacity for transport is 2 L or 2 kg (67.63 fl oz or 4.4 lbs) per push bar at the head end of the stretcher and 1 L or 1 kg (33.81 fl oz or 2.2 lbs) per push bar at the foot end of the stretcher..
- 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.



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

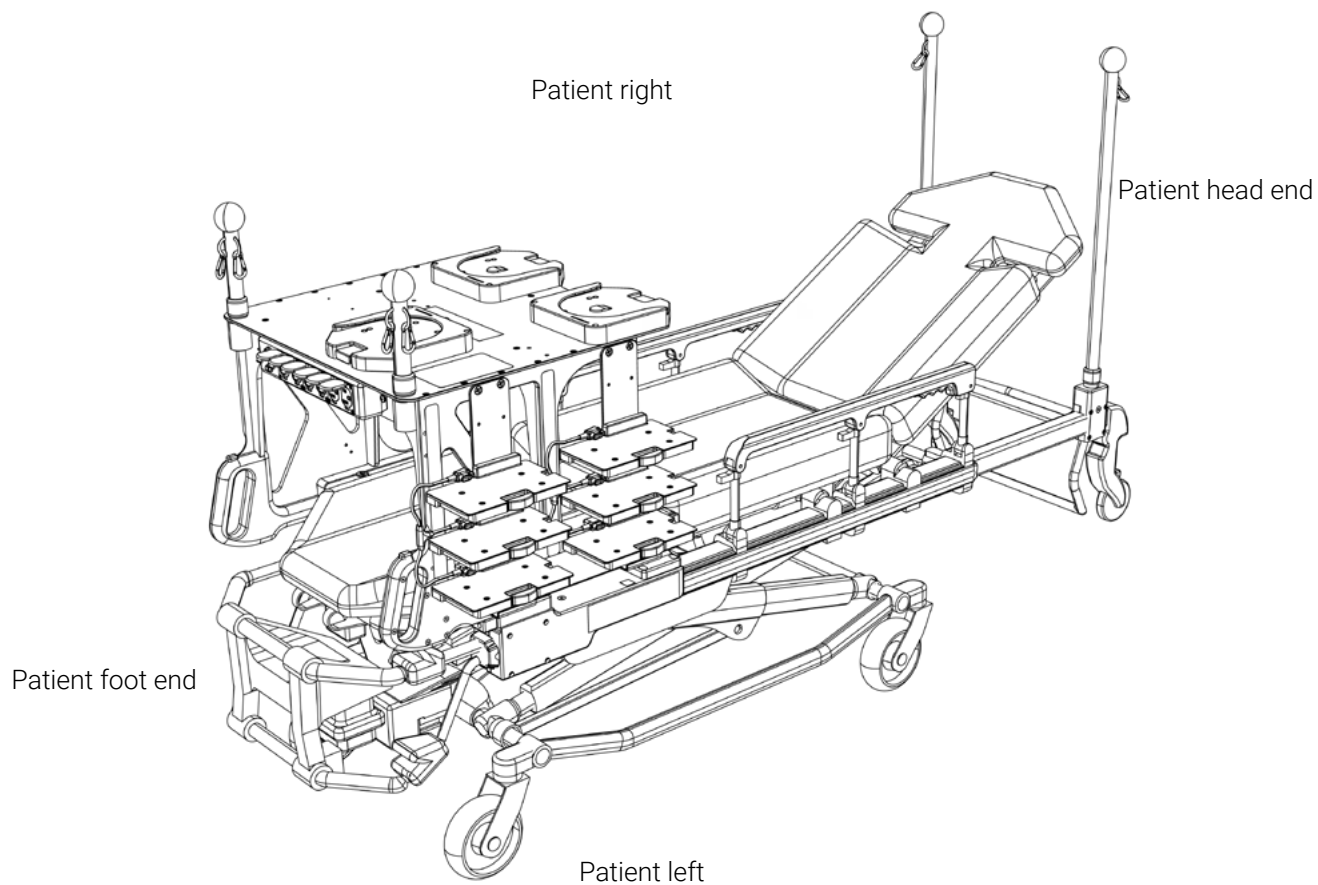
Trained EMS personnel are required to safely lift the Technimount product.



### **CAUTION - Transport in a Low Position**

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

## 2. Stretcher Orientation



**Figure 1:** Stretcher orientation diagram

### 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 ground 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.

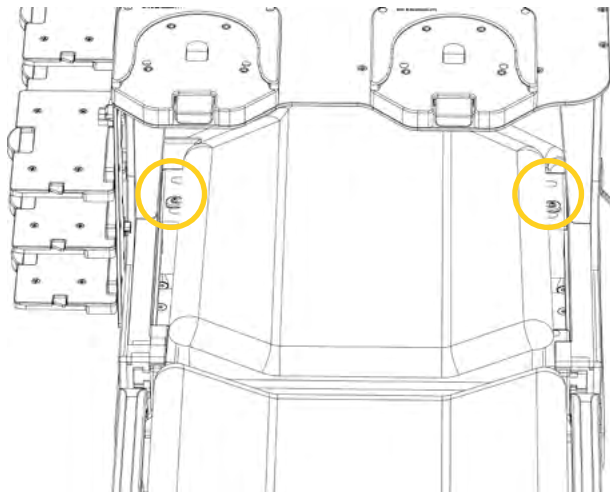
**NOTE:** The infusion pump bracket model on your Xtension Pro Assistant - CCT/ECMO will vary depending on the type of infusion pump used. The installation and removal procedures are detailed in this operating guide. Please follow the instructions for the specific pumps used.

**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 with the current version. For more information, please contact Customer Service at [customerservice@technimount.com](mailto:customerservice@technimount.com).

#### 3.1. Patient lateral transfer

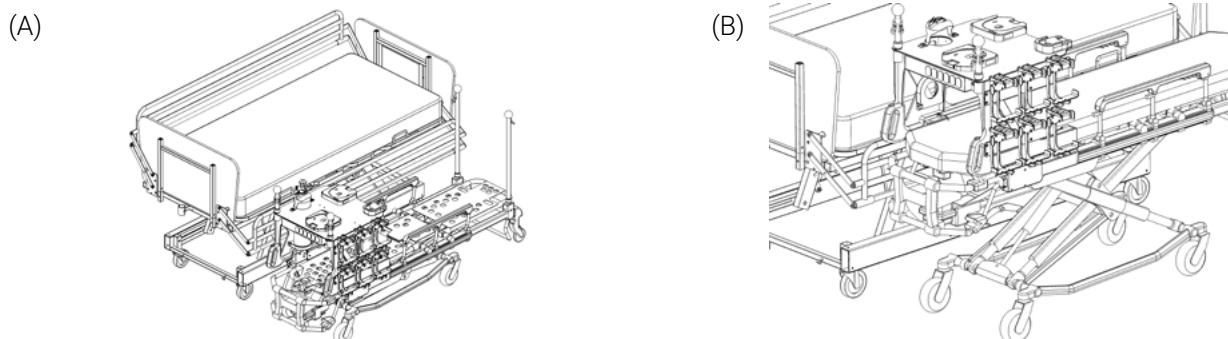
**NOTE:** The following steps can be done before or after the installation of the medical devices. Please refer to your protocols for the patient lateral transfer (hereinafter referred to as lateral transfer), when using this system.

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



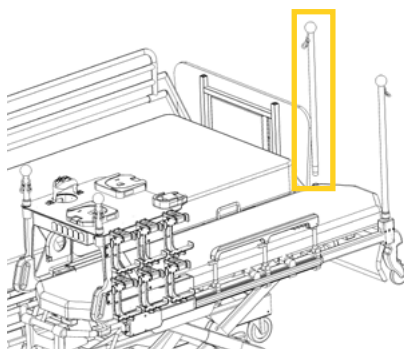
**Figure 2:** Lock pin verification

2. Position the stretcher on patient left to prepare for the lateral transfer (Figure 3 A).
3. Lift the stretcher parallel to the bed (Figure 3 B).
4. Straighten the stretcher wheels (longer side of the wheel towards the foot end; Figure 3 B), then apply the brakes.



**Figure 3:** Stretcher position for lateral transfer

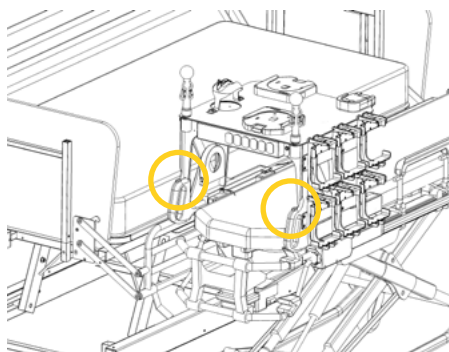
5. At the patient head end, locate the push bar situated between the bed and the stretcher (Figure 4).
6. Loosen the push bar by turning the collar counterclockwise.
7. Pull the push bar upwards, while gently turning the bar to remove it (Figure 4).
8. Set aside the push bar temporarily.



**Figure 4:** Removal of the push bar - Patient head end

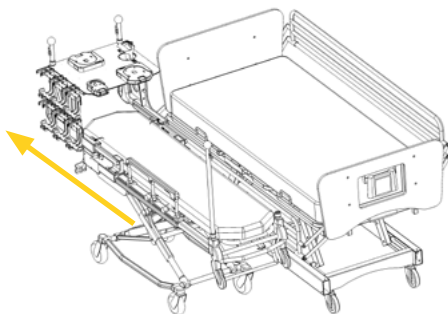


9. Grab the handles of the mobile structure, then press and hold the red quick release mechanisms (Figure 5).



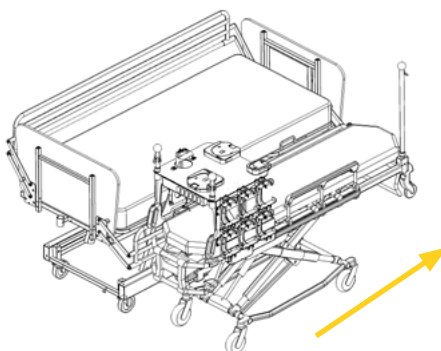
**Figure 5:** Red quick release mechanisms of the mobile structure

10. Pull the mobile structure until you have reached the lock pins (Figure 6).



**Figure 6:** Mobile structure position - Before lateral transfer

11. Transfer the patient.
12. Once the lateral transfer is complete, grab the mobile structure handles, then press and hold the red quick release mechanisms. Push the mobile structure all the way to the end of the rail system until it locks (Figure 7).

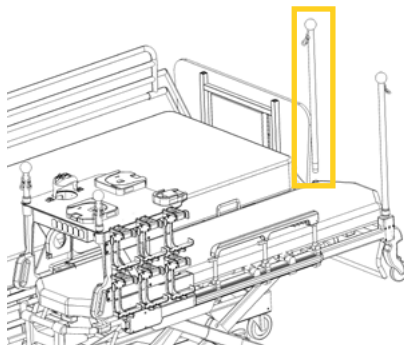


**Figure 7:** Mobile structure position - After lateral transfer



13. Re-install the push bar, by inserting its tapered end in the clamp block socket (Figure 8).

14. Tighten the push bar by turning the collar clockwise.



**Figure 8:** Installation of the push bar - Patient head end

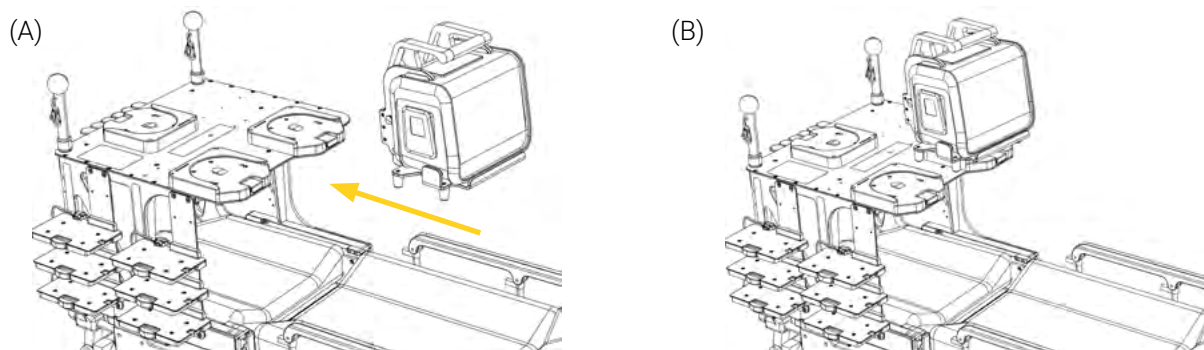
### 3.2. Install a Medical Device on a Standard Surface Base

**NOTE:** Only a Technimount bracket with a standard bottom disc can be installed onto the Standard Surface Base on the top shelf. 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 onto the Xtension Pro Assistant - CCT/ECMO, ensure that the following have been verified:

- The stretcher is at the lowest height possible, the wheels are straight and the brakes have been applied.
- The mobile structure is pushed all the way in to the end of the rail system until it locks and both lock pins are installed.

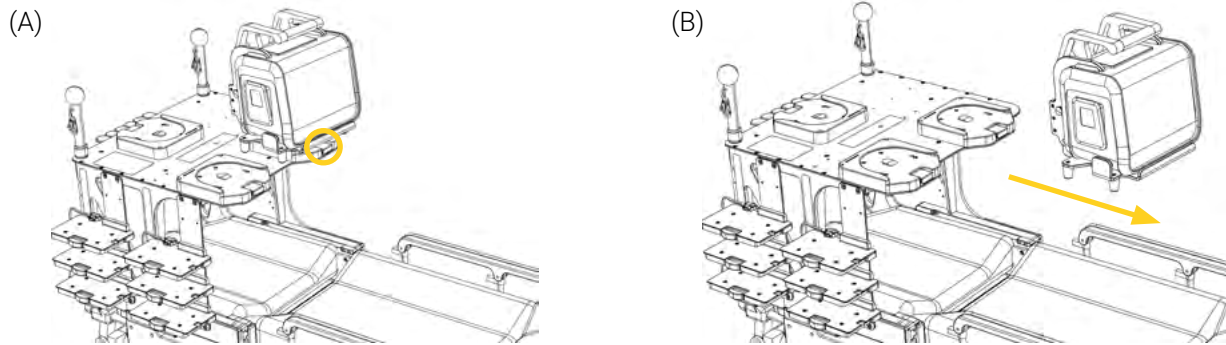
1. Slide the Standard Bottom Disc horizontally into the Standard Surface Base, then push the device all the way back until you hear the click of the Standard Surface Base (Figure 9).
2. Move the medical device back and forth to ensure that the bracket is locked securely in the Standard Surface Base, before manipulating the device or transporting the stretcher.



**Figure 9:** Installation of a medical device on a Standard Surface Base

### 3.3. Remove a Medical Device from a Standard Surface Base

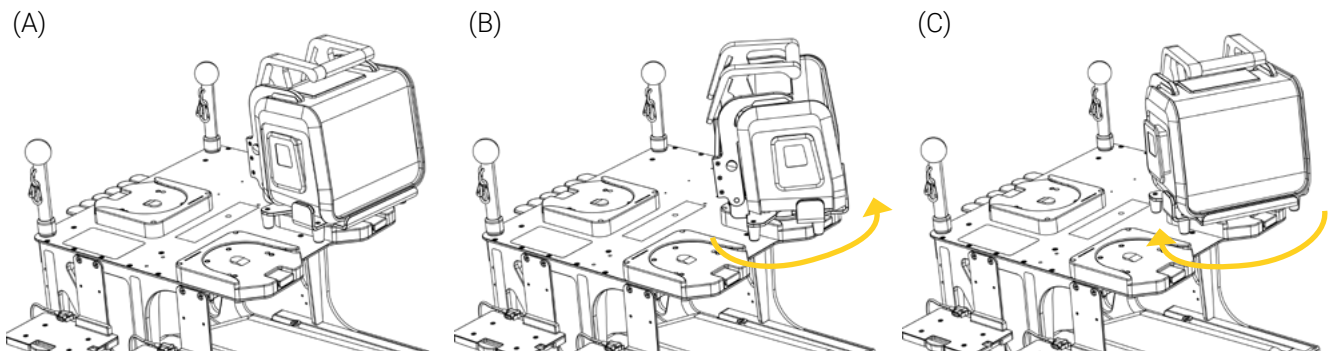
1. Press and hold the red quick release mechanism located at the front of the Standard Surface Base, then slide the medical device completely out of the base, horizontally (Figure 10).
2. Set aside the medical device.



**Figure 10:** Removal of a medical device from a Standard Surface Base

### 3.4. Rotate a Medical Device on a Standard Surface Base

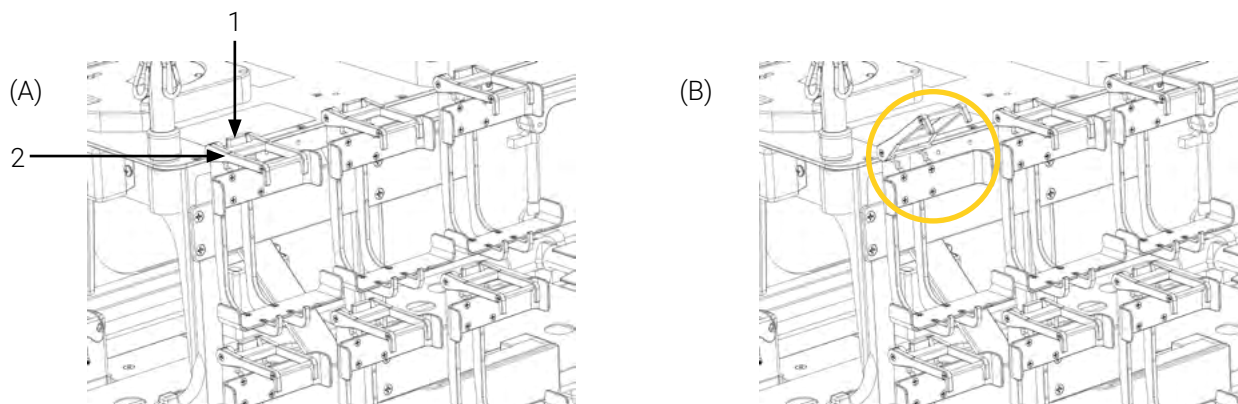
To rotate a medical device on a Standard Surface Base, turn the medical device clockwise or counterclockwise, to the desired position (Figure 11).



**Figure 11:** Rotation of the medical devices

### 3.5. Install the Baxter Spectrum IQ Infusion Pumps in the Pump Bracket

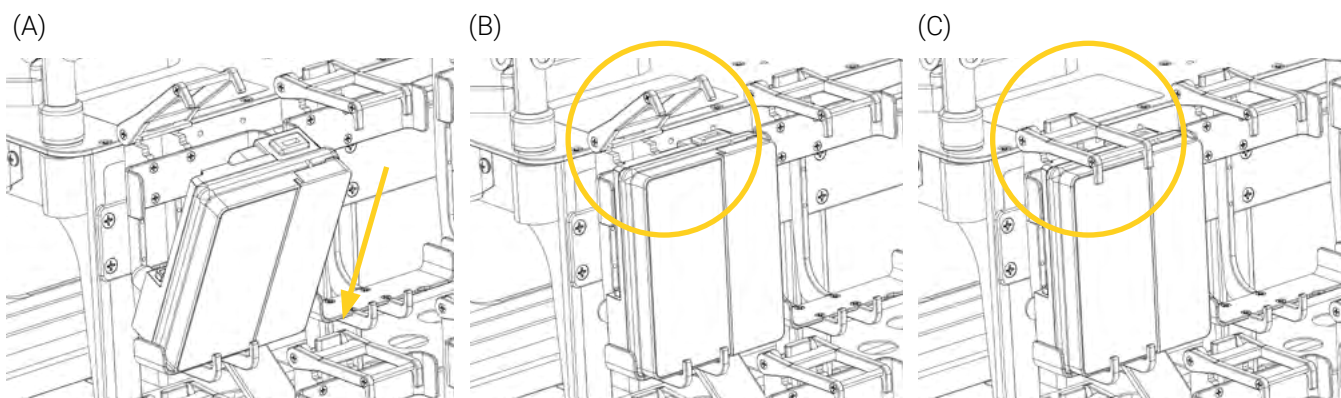
1. Pull the red quick release mechanism on the pump bracket towards you and lift the top part of the bracket to open it (Figure 12).



1. Red quick release mechanism 2. Top part of the pump bracket

**Figure 12:** Opening the Spectrum IQ infusion pump bracket

2. Insert the infusion pump at an angle into the bracket, then lean it back until the back of the pump rests on the back of the bracket (Figure 13 A and B).
3. Close the top part of the bracket (Figure 13 C) until you hear the click sound of the red quick release mechanism of the pump bracket.
4. Move the infusion pump up and down to ensure it is securely locked in.

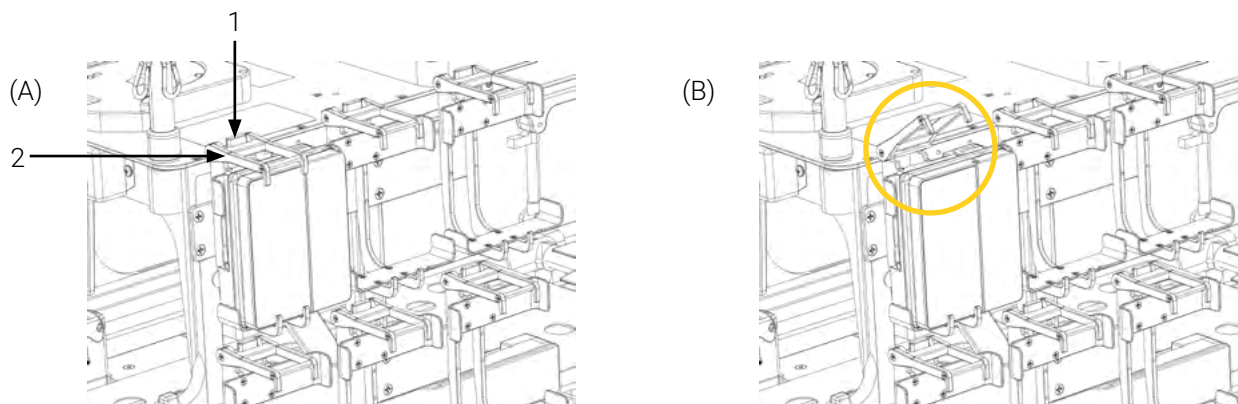


**Figure 13:** Spectrum IQ infusion pump installation

5. Repeat steps 1 to 4 to install the remaining pumps into the bracket, when required.

### 3.6. Remove the Baxter Spectrum IQ Infusion Pumps from the Pump Bracket

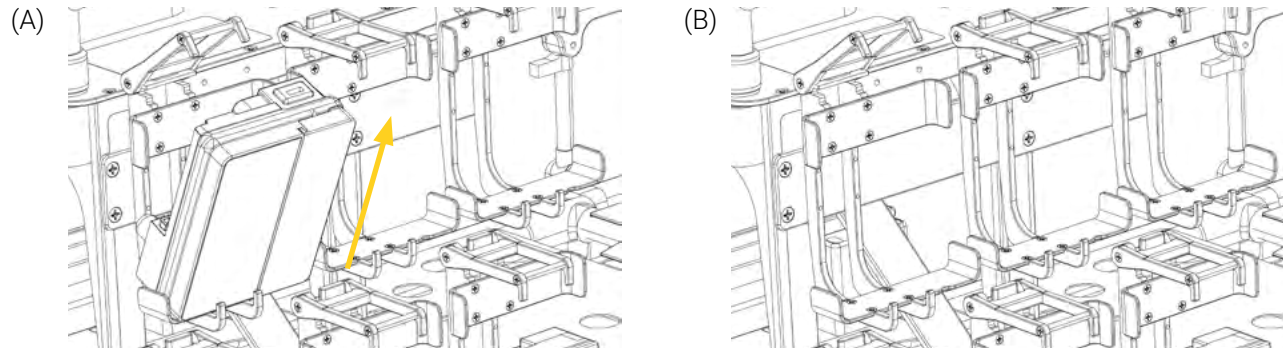
1. Pull the red quick release mechanism on the pump bracket towards you and lift the top part of the bracket to open the pump bracket (Figure 14).



1. Red quick release mechanism
2. Top part of the pump bracket

**Figure 14:** Opening the Spectrum IQ infusion pump bracket

2. Grab the infusion pump and tilt it forward (Figure 15 A).
3. Lift and pull the pump out of the bracket to remove (Figure 15 B).



**Figure 15:** Spectrum IQ infusion pump removal

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

### 3.7. Install the B. Braun Infusomat Space/Perfusor Space 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.

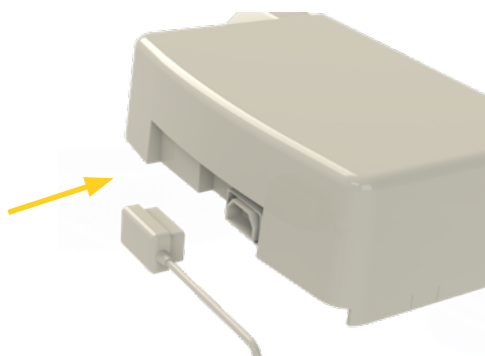
1. Locate the two (2) bottom grooves under the pump (Figure 16).



**Figure 16:** Location of the bottom groove

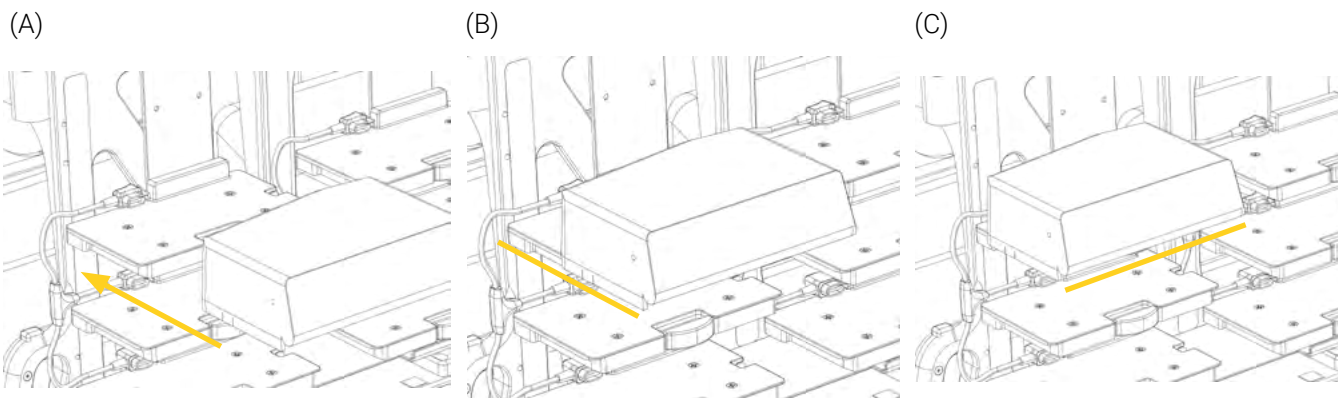
2. To facilitate the installation, plug in the power cord into the back of the infusion pump (Figure 17).

**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.



**Figure 17:** Connecting the Infusomat Space infusion pump

3. Align the bottom grooves under the pump with the sides of the shelf and insert the infusion pump, ensuring that both sides of the pump are properly inserted (Figure 18 A and B).
4. Push the pump straight and all the way back in until you hear a click of the red quick release mechanism of the pump bracket (Figure 18 C).

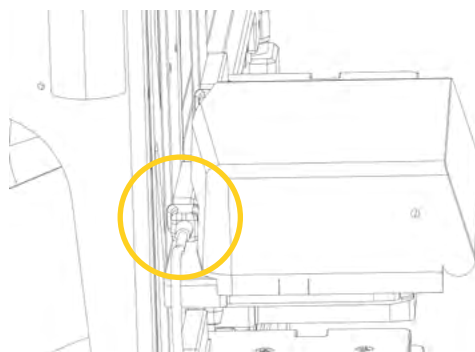


**Figure 18:** Infusomat Space infusion pump installation



5. Move the pump back and forth to ensure it is securely locked in and connected (Figure 19).

(B)

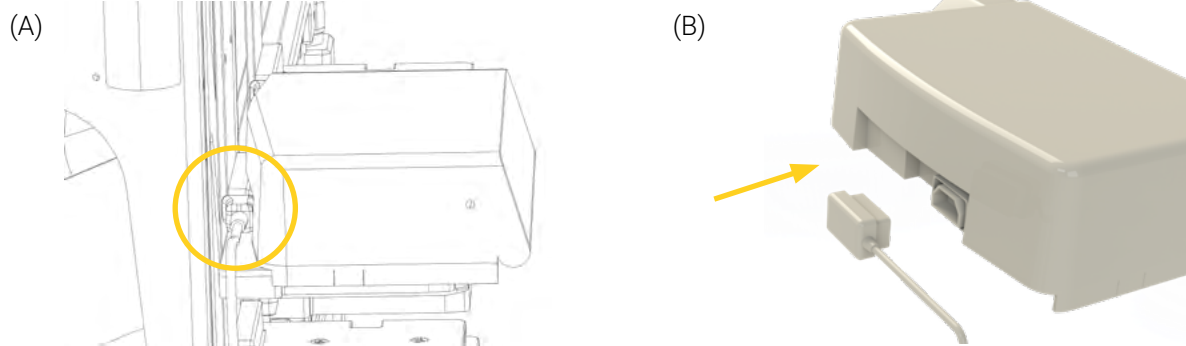


**Figure 19:** Infusomat Space infusion pump secured and connected

6. Repeat the steps 1 to 5 to install the remaining pumps into the bracket, when required. Once properly locked, the pumps are ready for EMS transport.

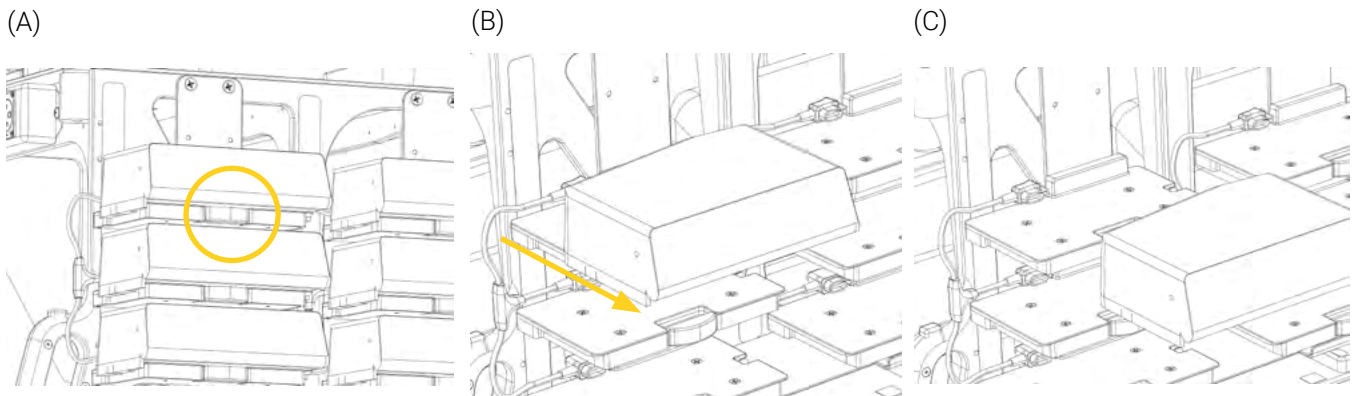
### 3.8. Remove the B. Braun Infusomat Space/Perfusor Space Infusion Pumps from the Pump Bracket

1. Unplug the pump (Figure 20).



**Figure 20:** Unplugging the Infusomat Space infusion pump

2. Hold both sides of the pump, then using your thumb, press and hold the red quick release mechanism located at the front of the shelf to disengage the pump (Figure 21 A).
3. Pull on the pump to slide it outwards and remove it completely from the shelf (Figure 21 B and C).



**Figure 21:** Infusomat Space infusion pump removal

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



## 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](mailto: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 22 and Figure 23), if needed.

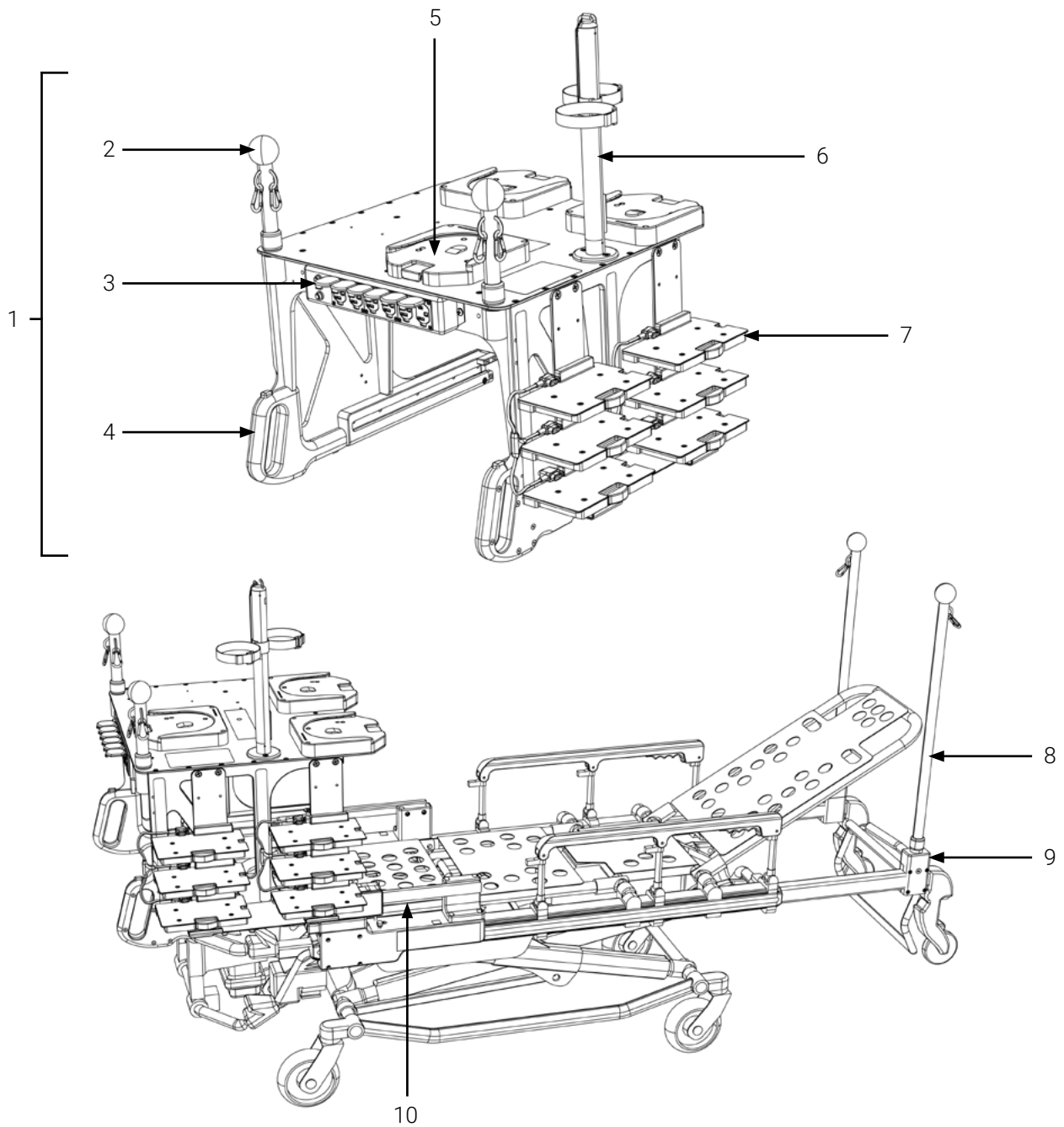
**NOTE:** In case of a non-conformity, alert the maintenance supervisor of all non-compliances and immediately cease use.

DAILY SAFETY CHECKS		COMPLIANT	
INSPECTIONS		YES	NO
<b>Mobile Structure and Rails (Figure 22 and Figure 23)</b>			
- Visually inspect the structure to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws.		<input type="checkbox"/>	<input type="checkbox"/>
- 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.		<input type="checkbox"/>	<input type="checkbox"/>
- Visually inspect the red quick release mechanism cavities of each handle and make sure there are no lodged particles. If so, immediately remove using a clean dry cloth.		<input type="checkbox"/>	<input type="checkbox"/>
- Press and release the red quick release mechanisms of each handle and make sure of proper functioning. The mechanism should go in and out without any resistance.		<input type="checkbox"/>	<input type="checkbox"/>
- Checking that the lock pins are well installed on both sides.		<input type="checkbox"/>	<input type="checkbox"/>
- 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.		<input type="checkbox"/>	<input type="checkbox"/>
- Make sure there are no lodged particles in the rail system and bearings. If so, immediately remove using a clean dry cloth.		<input type="checkbox"/>	<input type="checkbox"/>
- 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 red quick release mechanism.		<input type="checkbox"/>	<input type="checkbox"/>
<b>Standard Surface Bases (Figure 22 and Figure 23)</b>			
- 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.		<input type="checkbox"/>	<input type="checkbox"/>

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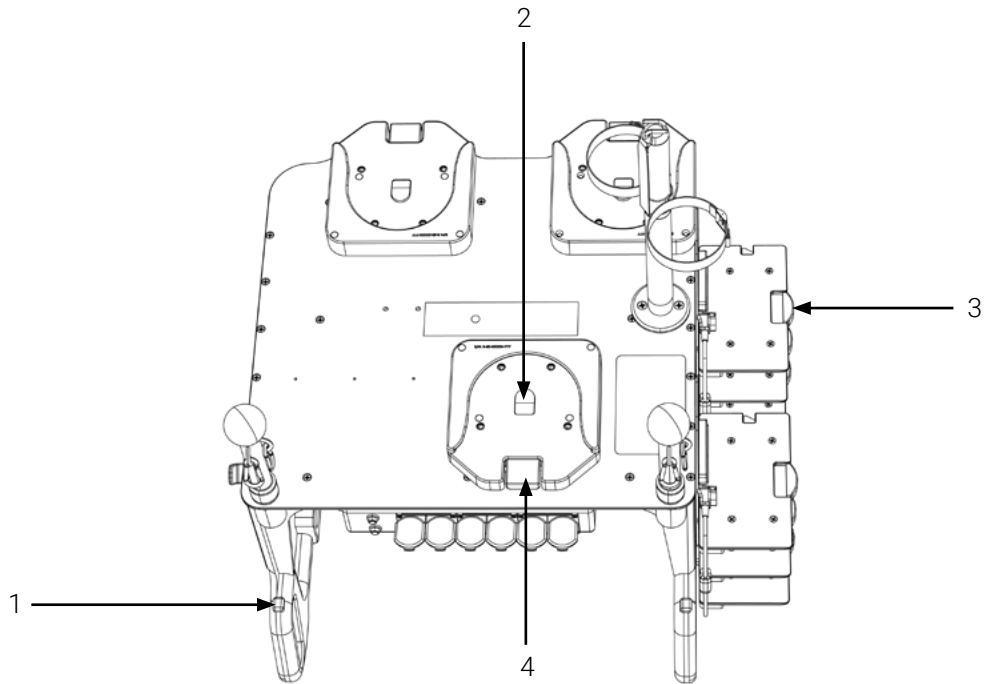
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#### 4.3. Illustrated Inspections Points



- |                               |                             |
|-------------------------------|-----------------------------|
| 1. Mobile structure           | 6. Techni-IV Pole and strap |
| 2. Push bar (foot end) 2X     | 7. Infusion pump bracket 6X |
| 3. Power bar                  | 8. Push bar (head end) 2X   |
| 4. Handle 2X                  | 9. Clamp block 2X           |
| 5. Standard Surface Base (3X) | 10. Rail system             |

**Figure 22:** Inspection points (1 of 2)



- |  |   |
|--|---|
| 1. Red quick release mechanism (mobile structure) 2X | 3. Red quick release mechanism (pump bracket) 6X          |
| 2. Lock wedge (Standard Surface Base) 3X             | 4. Red quick release mechanism (Standard Surface Base) 3X |

**Figure 23:** Inspection points (2 of 2)







# TECHNIMOUNT

EMS™

Technimount EMS offers mounting solutions that can be installed on ambulance counters, walls and stretchers which allows for the device 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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