



TECHNIMOUNT
EMS®

XTPA AUXILIARY POLE

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.

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1. General Mentions and Considerations

The XTPA Auxiliary Pole user manual includes detailed product information, standards and guidelines to assist the administrator/manager/supervisor and biomedical technician (or equivalent) with the unpacking, assembling (when indicated) and maintenance of the Technimount product. It also includes specific user-related information to assist trained EMS and clinical personnel with effectively operating the mounting system.

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

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

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

1.1. Intended Use

The XTPA Auxiliary Pole is designed to aid trained EMS and clinical personnel secure and move the Baxter Novum IQ LVP Infusion Pump(s) on Stryker Power-PRO 2 and Power-PRO XT stretcher frames, exclusively during ground emergency medical services and critical care transport.

1.2. User Competency

To safely operate the XTPA Auxiliary Pole, EMS and clinical personnel must have the required skill level. Training should be given to EMS and clinical personnel, taking in account the skill level that is necessary to comply with their function and level of interaction with the mounting system:

- **Proficient (trained EMS and clinical personnel):** Has received the required training, is sufficiently knowledgeable to safely operate the product and have passed the skills assessment (refer to the « Skills Assessment of the Clinical Staff » section on page 25).

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

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

- **Advanced (biomedical technician or equivalent):** Has extensive mechanical experience. Skilled to perform the unpacking, assembly, safety checks and condition-based maintenance procedures as detailed herein, or the basic troubleshooting, upgrade and/or replacement procedures if applicable.

1.3. Warranties

1.3.1. Warranty Policy

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

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

1.3.2. Limited Warranty

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

The limited warranty does not apply to normal wear that could result from normal use. It does not apply when the product or any of its components have been disassembled or repaired by someone not authorized by "Technimount". It does not cover repair or the replacement of any product or part thereof damaged by neglect, misuse, moisture, liquids, exposure to heat, accidents, abuse, and non-compliance with the instructions for installation and use provided with the product. It does not cover physical damage to the surface of the product. The decision to repair, replace or refuse the coverage is final and at the sole discretion of Technimount, without any compensation or obligation from Technimount. The product defined as a "mounting system", used to secure and move the Baxter Novum IQ LVP Infusion Pump(s) on Stryker Power-PRO 2 and Power-PRO XT stretcher frames, exclusively during ground emergency medical services and critical care, is specifically designed to fill this requirement. Any other use will void the warranty and Technimount shall not be held liable on any claim if the product has been modified or adapted for use.

1.3.3. International Warranty Clause

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

1.3.4. User Liability

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

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

1.4. Claims

1.4.1. Damaged or Defective Merchandise

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

Claims for any short or broken merchandise must be made within thirty (30) days of invoicing. For details, refer to the claim process or contact Customer Service at customerservice@technimount.com.

1.4.2. Return Policy

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

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

To return a Technimount product,

- A Return of Merchandise Authorized (RMA) must be requested and approved by Technimount prior to returning the product.
- Products must be returned undamaged and in its original packaging, appropriately identified with the approved RMA number. Returns will not be approved on a modified or damaged item.
- Charges may apply if the package received is damaged or items are missing.
- Purchaser is responsible for a restocking fee (refer to Table 1 on page 8).

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

Always read and abide by all the safety guidelines identified within this document. Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may endanger the patients or EMS and clinical personnel, and/or damage to the product. This includes the special care necessary for the safe and effective use of the Technimount product to avoid damage that may occur from use or misuse. The terms "Warning" and "Caution" herein carry special meaning and should be carefully reviewed.

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

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

2.1. Symbols and Definitions



WARNING – Hand Crush/Pinch Point

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



WARNING – Risk of Injury

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



CAUTION – Safe Practice

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



CAUTION – Safe Handling and Operation

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



CAUTION – Safe Working Load (SWL)/Load Balance

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



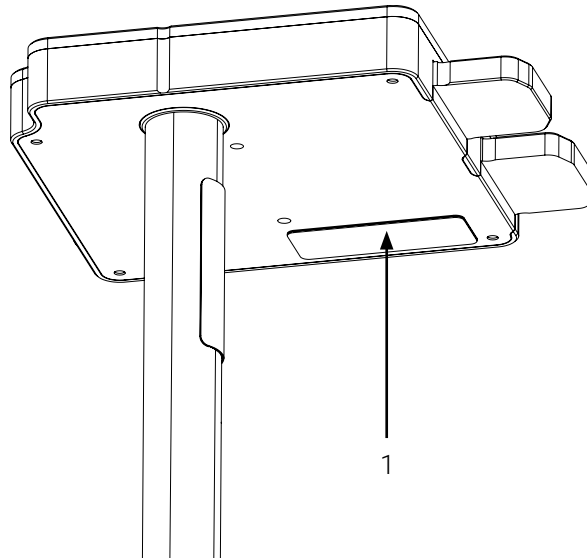
CAUTION – Follow Instructions for Use

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

2.2. Labels

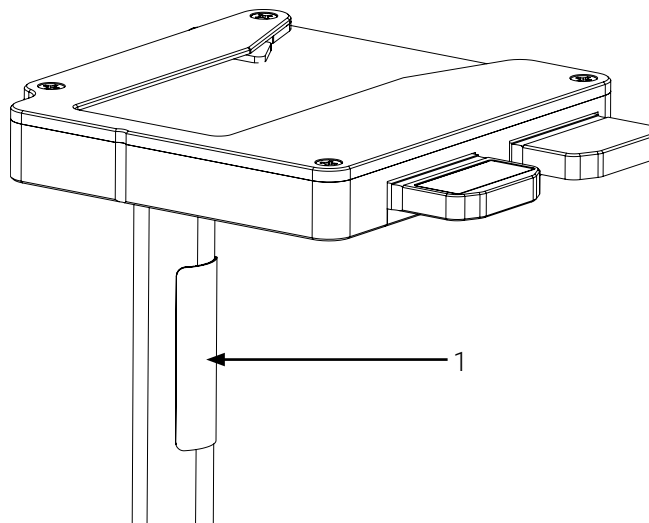
Labelling on the surface of the Technimount product, quickly identify potential risks and provides information to the user. Manufacturing labels, including the serial numbers and safe working load labels (Figure 1, Figure 2, Figure 3 and Figure 4), a safety label (Figure 5), as well as identification labels (Figure 6 and Figure 7), can be seen on the Technimount product.

2.2.1. Manufacturing Labels



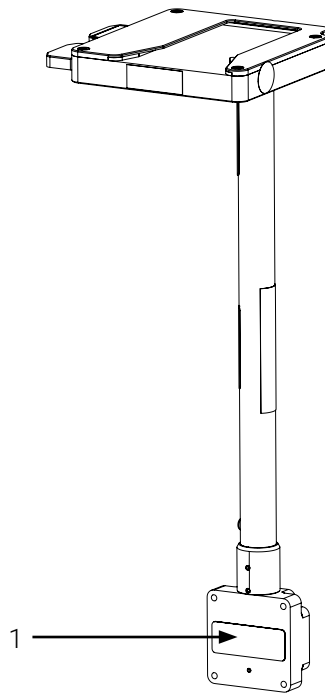
1. Manufacturing label

Figure 1: Location of the manufacturing label – NVM Support Bracket (bottom view)



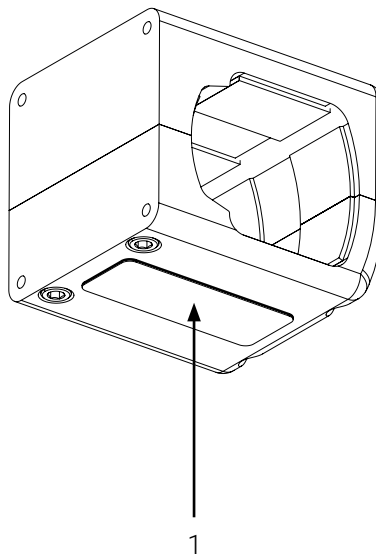
1. Manufacturing label

Figure 2: Location of the manufacturing label – Pole



1. Manufacturing label

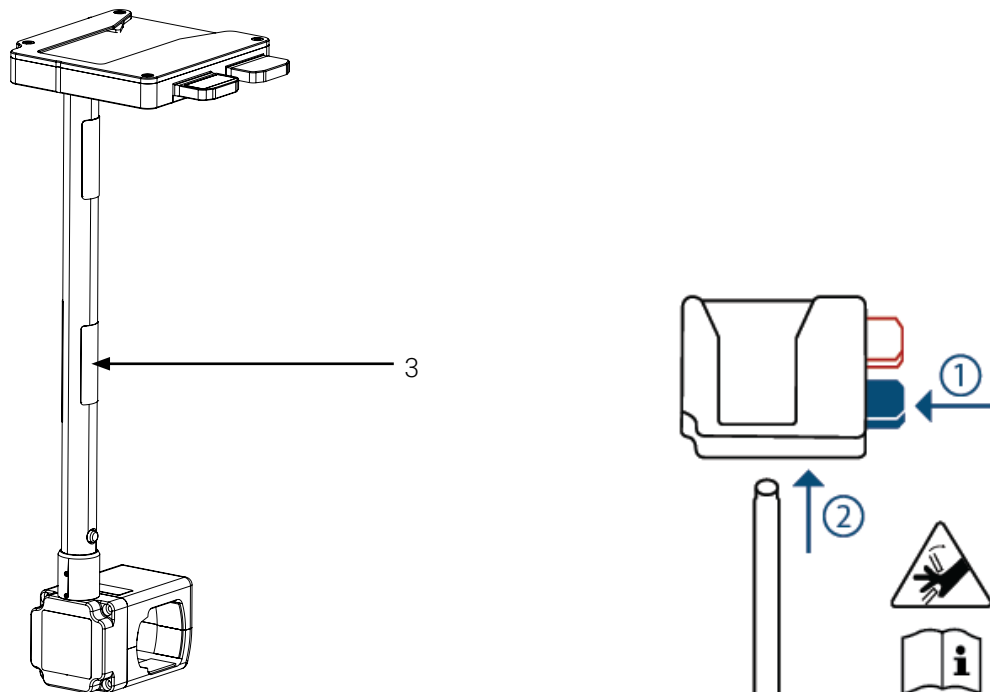
Figure 3: Location of the manufacturing label – AP Socket



1. Manufacturing label

Figure 4: Location of the manufacturing label – PPXT FQS Clamp Block (bottom view)

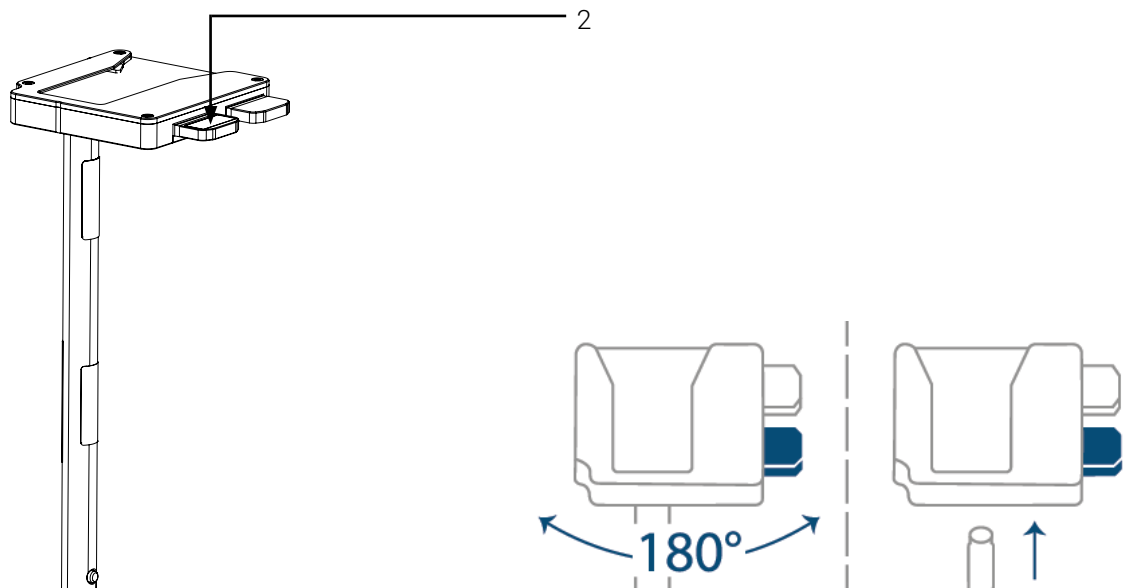
2.2.2. Safety Label



1. Hand Crush/Pinch Point safety label

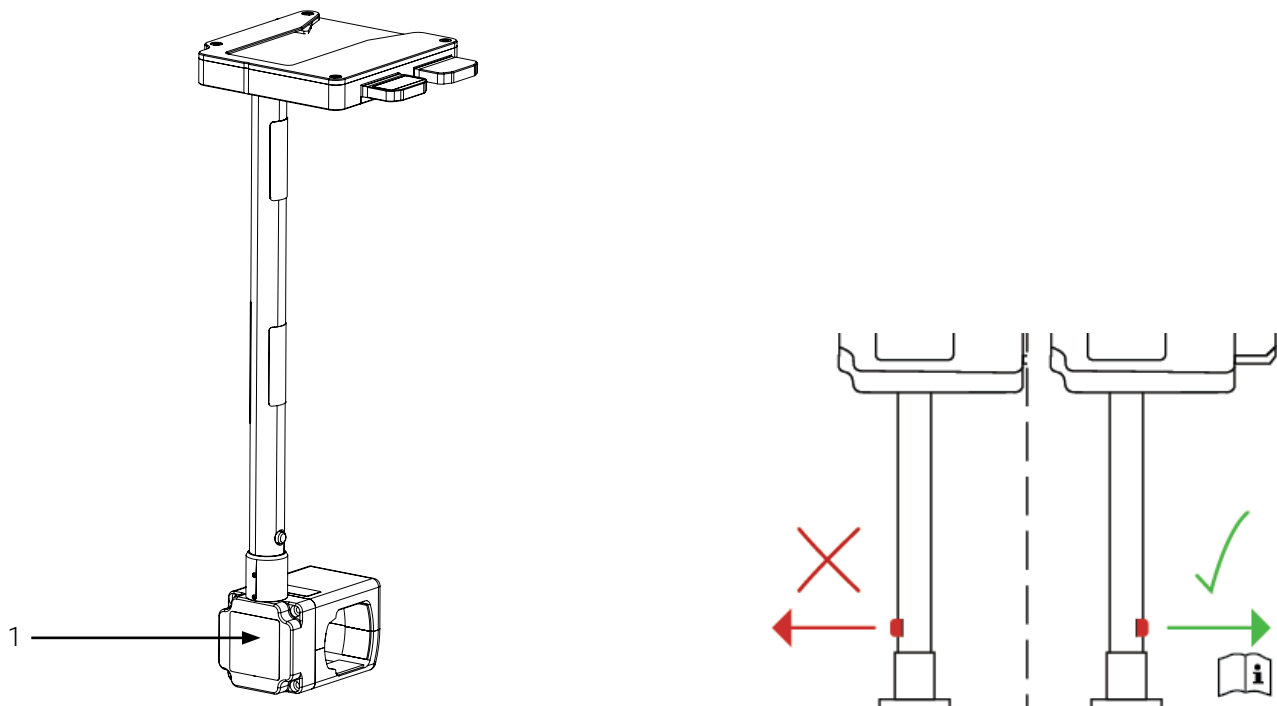
Figure 5: Location of the Safety label – Pole

2.2.3. Identification Labels



1. Rotation/Quick release button identification label

Figure 6: Location of the identification label – NVM Support Bracket



1. Orientation identification label

Figure 7: Location of the identification label – AP Socket

2.3. Safety Measures

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

More specific safety measures intended for biomedical technicians (or equivalent) relating to the safety checks and conditioned-based maintenance can be found in the « Maintenance » section on page 33.



WARNING – Hand Crush/Pinch Point

Do not put your fingers under the NVM Support Bracket when it is being installed on the XTPA Auxiliary Pole, and/or your hands below the quick release button located at the bottom of the mounting system when it is being installed in the AP Socket, to avoid risks of pinching.



WARNING – Risk of Injury

- **Do not** use the XTPA Auxiliary Pole if there are any loose or missing screws, to prevent undue risk to the medical device, patients, and EMS and clinical personnel.
- Always use the XTPA Auxiliary Pole as it was intended, using only the compatible medical device(s). Improper use of the Technimount product may cause unpredictable functioning resulting injury to the patients or EMS and clinical personnel. Refer to the « Technical Specifications » section on page 16 for compatibilities.
- If any serious incident occurs with the XTPA Auxiliary Pole, immediately stop using the product, report this incident to Technical Support at technicalsupport@technimount.com and the applicable regulatory agency.



CAUTION – Safe Practice

- Always pay close attention to the condition of the safety mechanisms of the XTPA Auxiliary Pole and PPXT FQS Clamp Block, to avoid risks of damage, equipment falling, or injuries to the patients or EMS and clinical personnel. Follow the maintenance plan as it is described in the User Manual.
- Practice safely operating the XTPA Auxiliary Pole until the manipulations have been perfected, before use with patients. Improper use of a Technimount product may damage it or cause injury to the patients or EMS and clinical personnel.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that the installation specifications meet the local and regional compliance requirements before use.
- Refer to your protocols and the user documentation provided with each specific medical device for the safety guidelines and safe use.



CAUTION – Safe Handling and Operation

- Always ensure that the XTPA Auxiliary Pole is secured in the PPXT FQS Clamp Block and that the medical device is secured in the NVM Support Bracket before moving the stretcher, to avoid risks of damage, equipment falling, or injuries to the patients or EMS and clinical personnel.
- Always pay close attention not to wedge the power cords or tubing during the installation/removal of the medical device(s), and/or when rotating the NVM Support Bracket. Refer to your internal protocols or the safety guidelines and safe use with the XTPA Auxiliary Pole.

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

Do not overload the XTPA Auxiliary Pole to avoid tipping incidents or risks of collapsing. The total Safe Working Load (SWL) is 6.4 lb (2.9 kg).

**CAUTION – Follow the Instruction for Use**

- Always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided within the XTPA Auxiliary Pole user documentation.
- The XTPA Auxiliary Pole was specifically designed to secure and move the Baxter Novum IQ LVP Infusion Pumps(s) on Stryker Power-PRO 2 and Power-PRO XT stretcher frames. Refer to the manufacturer user documentation for the safety guidelines and safe use of the pump(s) and stretcher.

3. Technical Specifications

Product Name	XTPA Auxiliary Pole
Description	Mounting system designed to aid trained EMS and clinical personnel secure and move the Baxter Novum IQ LVP Infusion pump(s) on Stryker Power-PRO 2 and Power-PRO XT stretcher frames during emergency medical services and critical care transport
Product Code	1540-10-BXNV-AP
Operating Environment	EMS/CCT (ground)
Compliance	Tested in compliance with SAE J3043 and AMD-028
Expected Service Life	5 years
Compatible Stretcher	- Stryker Power-PRO 2 - Stryker Power-PRO XT
Compatible Mounting System	PPXT FQS Clamp Block
Compatible Medical Devices/Accessories	Baxter Novum IQ LVP Infusion pump
Dimensions (W X D X H)	XTPA Auxiliary Pole: 7.6 in. X 21 in. X 6.7 in. (19.3 cm X 53.3 cm X 17 cm) - NVM Support Bracket: 6.7 in. X 7.7 in. X 1 in. (17 cm X 19.6 cm X 2.5 cm) - Pole: 20.8 in. X 1.3 in. X 1.3 in. (52.8 cm X 3.3 cm X 3.3 cm) - AP Socket: 3 in. X 3 in. X 1.3 in. (7.6 cm X 7.6 cm X 3.3 cm) - PPXT FQS Clamp Block: 3 in. X 3 in. X 3.6 in. (7.6 cm X 7.6 cm X 9.1 cm)
Weight	XTPA Auxiliary Pole: 7.1 lb (3.2 kg) - NVM Support Bracket: 2.8 lb (1.3 kg) - Pole: 1.7 lb (0.8 kg) - AP Socket: 0.8 lb (0.4 kg) - PPXT FQS Clamp Block: 1.8 lb (0.8 kg)
Composition	XTPA Auxiliary Pole: Aluminum, stainless steel, bronze and plastic - NVM Support Bracket: Aluminum, bronze and plastic - Pole: Aluminum and stainless steel - AP Socket: Aluminum - PPXT FQS Clamp Block: Aluminum
Total Safe Working Load (SWL)	6.4 lb (2.9 kg)
Operating Temperature	- 31° F to 113° F (- 35° C to 45° C)
Tested and Approved Cleaning Solutions	- Lavo 12, 10 000 ppm Sodium Hypochlorite - TNT-100, 5% Quaternary Ammonium Compound - Spectro-Sept, 5% Ethyl Alcohol - Spectrol, 5% EDTA salt
Options	N/A

4. XTPA Auxiliary Pole Orientation Diagrams

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

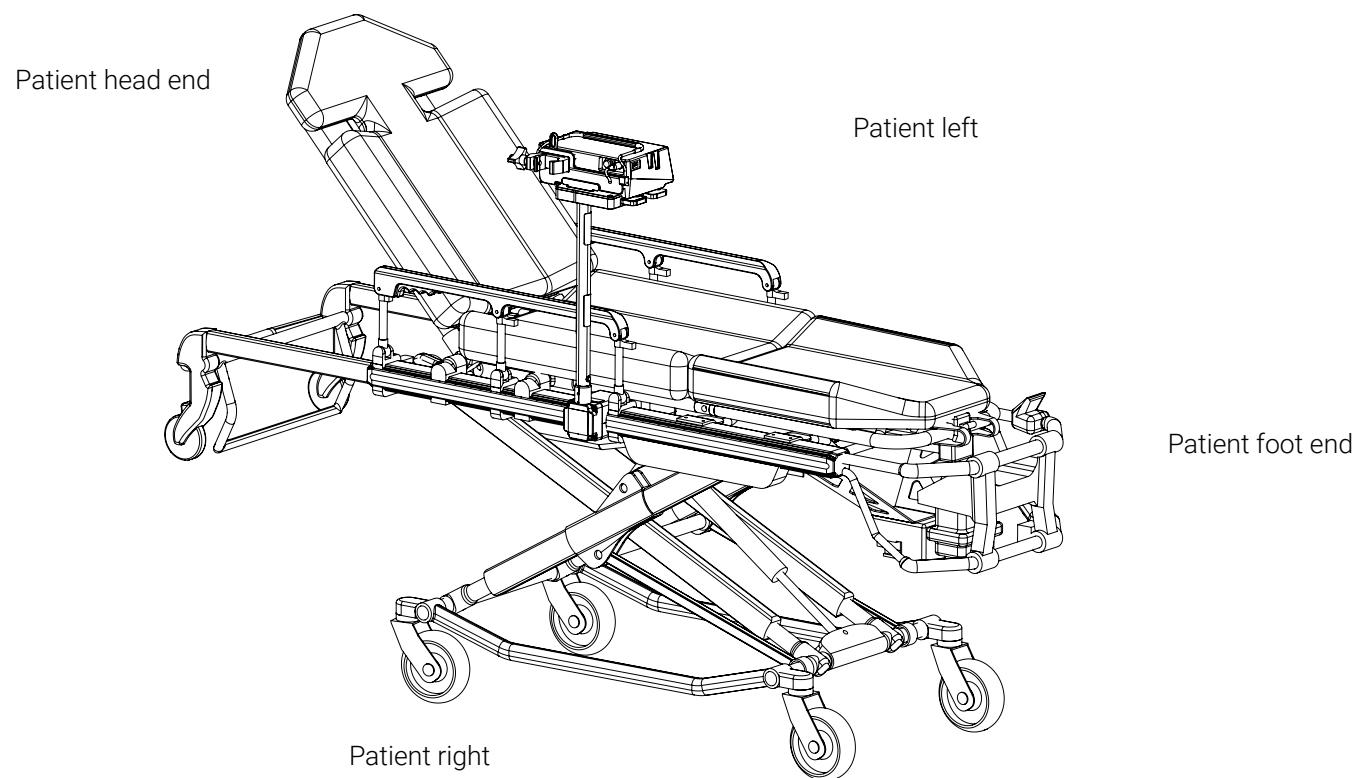
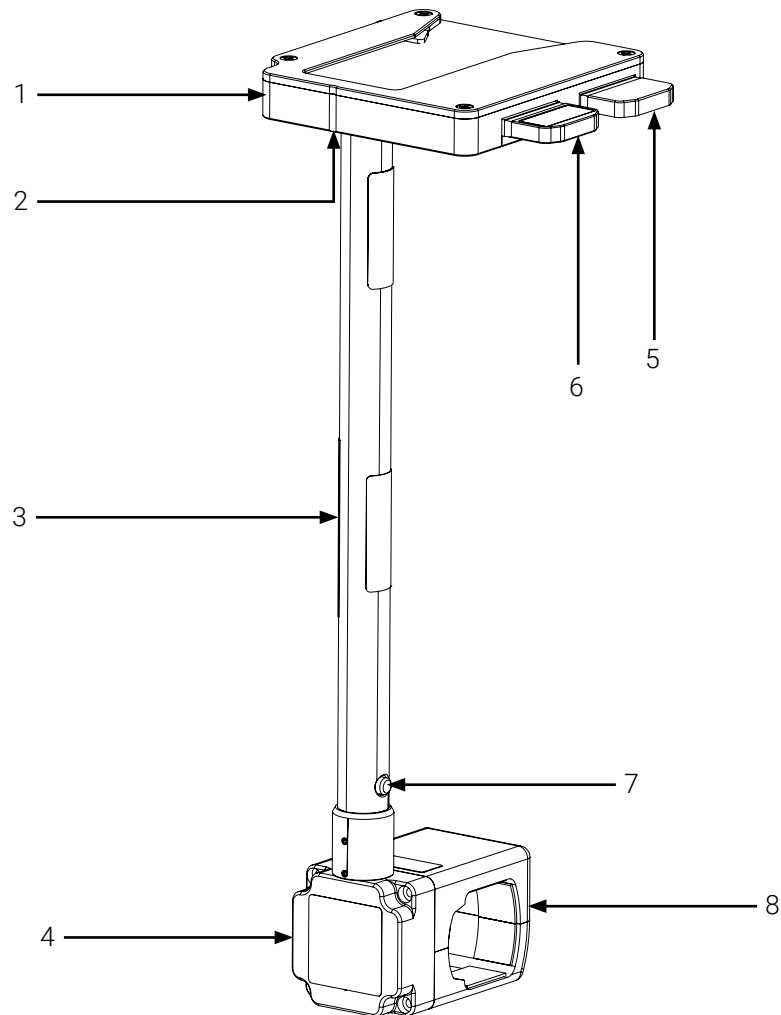


Figure 8: Orientation diagram of the XTPA Auxiliary Pole

5. XTPA Auxiliary Pole Illustrated Parts



- | | |
|--------------------------------|--|
| 1. NVM Support Bracket | 6. Rotation/Quick release button (NVM Support Bracket) |
| 2. Alignment indicator | 7. Quick release button (pole) |
| 3. Auxiliary pole | 8. PPXT FQS Clamp Block |
| 4. AP Socket | |
| 5. Quick release button (pump) | |

Figure 9: Components of the XTPA Auxiliary Pole

6. Operating the XTPA Auxiliary Pole

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

6.1. Install the Infusion Pump in the NVM Support Bracket

1. Insert the infusion pump in the NVM Support Bracket horizontally, then slide it in the support bracket until it locks (Figure 10), while paying close attention not to wedge the power cords or tubing.

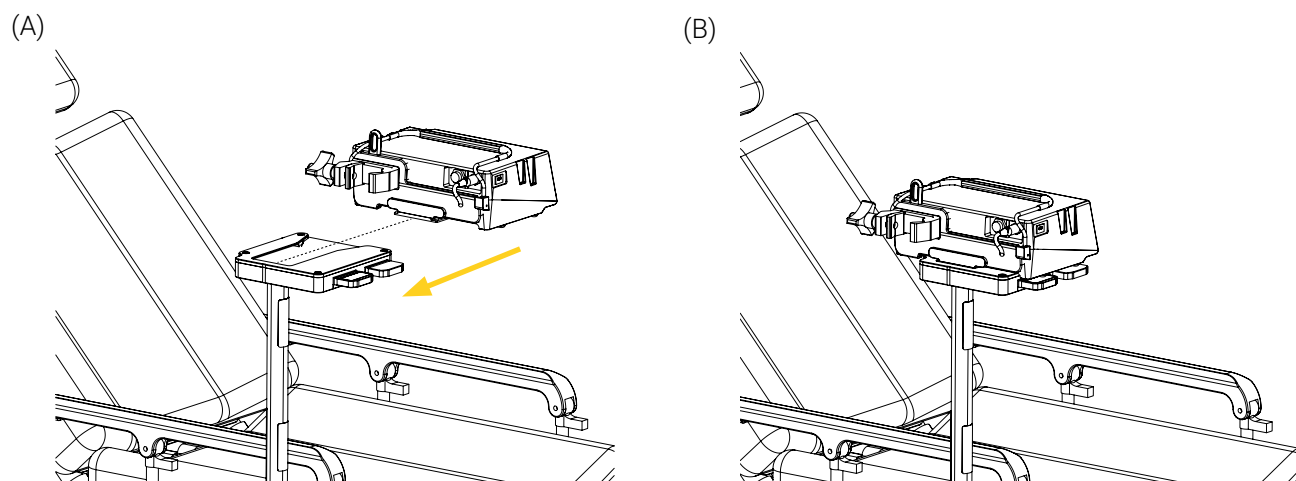


Figure 10: Installing the infusion pump in the NVM Support Bracket

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

3. Press and hold the rotation/quick release button on the support bracket (Figure 11 A), turn it clockwise or counterclockwise 180° until it reaches the end of its course (Figure 11 B), then release the button to lock the bracket in the final position (Figure 11 C).

NOTE : The rotation should not be forced. If you feel any resistance, turn the support bracket in the opposite direction.

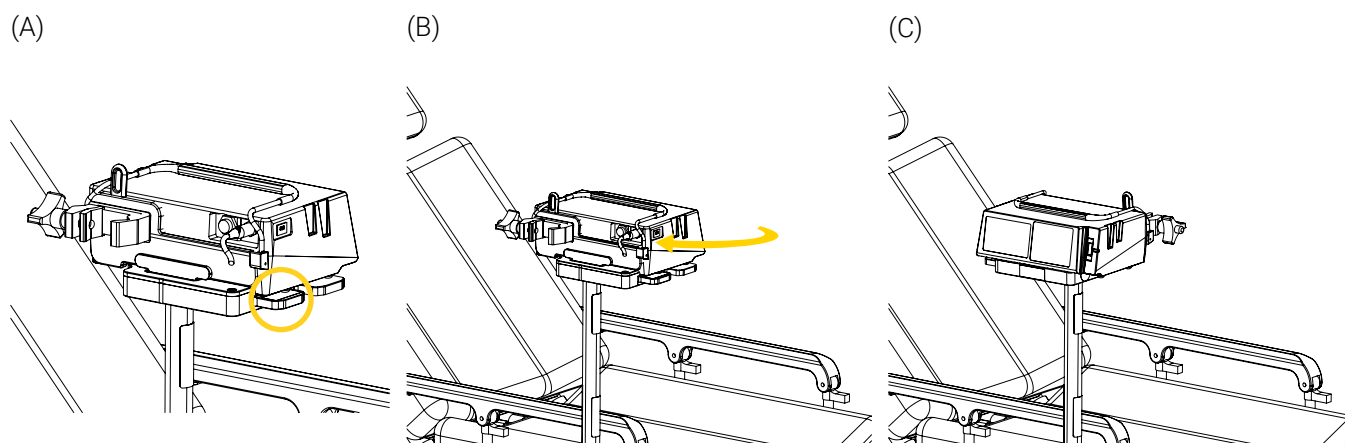


Figure 11: Rotating the NVM Support Bracket

The installation of the infusion pump in the NVM Support Bracket is complete.

6.2. Remove the Infusion Pump from the NVM Support Bracket

1. Press and hold the quick release button on the NVM Support Bracket (Figure 12 A), then slide the infusion pump out of the support bracket horizontally (Figure 12 B), while paying close attention not to wedge the power cords or tubing.

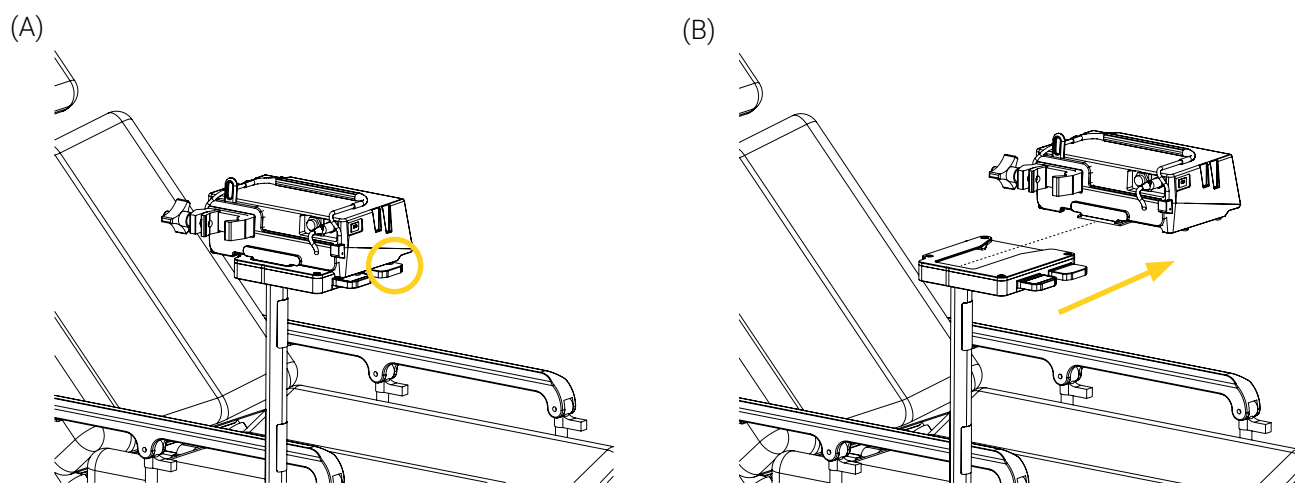


Figure 12: Removing the infusion pump from the NVM Support Bracket

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

The removal of the infusion pump from the NVM Support Bracket is complete.

6.3. Install the NVM Support Bracket on the Pole

1. Align the indicator on the NVM Support Bracket with the pole, ensuring that the quick release button on the support bracket is facing patient foot end (Figure 13 A).
2. Press and hold the rotation/quick release button on the support bracket, then insert the bracket on the pole (Figure 13 B) paying close attention not to wedge the power cords or tubing, and release the button to secure it (Figure 13 C).

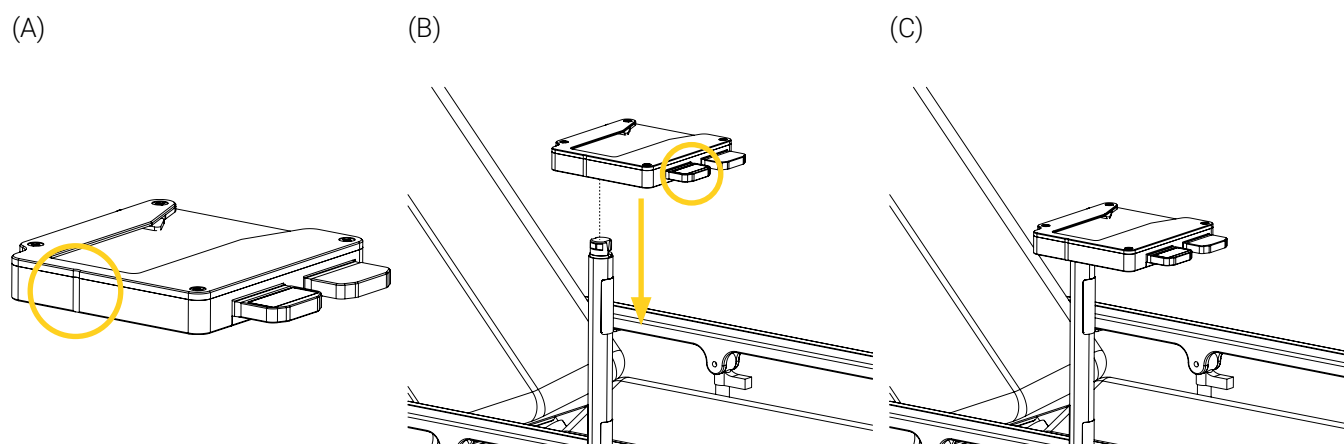


Figure 13: Installing the NVM Support Bracket on the pole

3. Move the NVM Support Bracket up and down a few times to ensure it is locked and secured on the pole. If the support bracket remains on the pole and does not rotate after the verification, it is secured.

The installation of the NVM Support Bracket on the pole is complete.

6.4. Remove the NVM Support Bracket from the Pole

1. Press and hold the rotation/quick release button on the NVM Support Bracket (Figure 14 A), turn it clockwise or counterclockwise 180° until it reaches its initial position with the button facing patient foot end (Figure 14 B), then pull the bracket upwards to remove it from the pole (Figure 14 C).

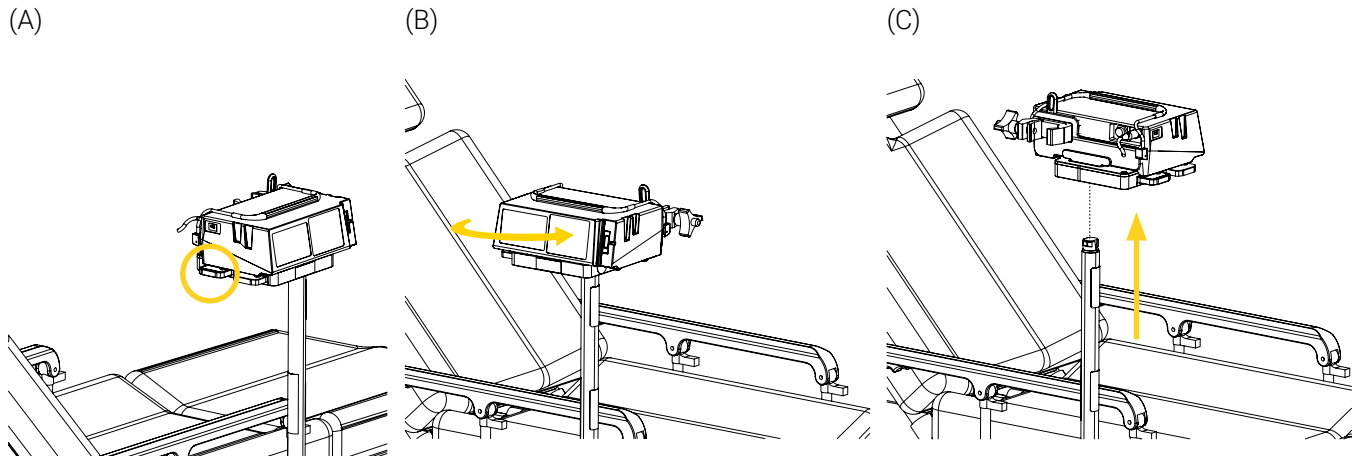


Figure 14: Removing the NVM Support Bracket from the pole

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

The removal of the NVM Support Bracket from the pole is complete.

6.5. Install the XTPA Auxiliary Pole in the AP Socket

1. Align the XTPA Auxiliary Pole and AP Socket, ensuring that the quick release button located at the bottom of the pole is facing patient foot end (Figure 15 A).
2. Insert the mounting system vertically in the AP Socket while paying close attention not to wedge the power cords or tubing, then press down until it locks (Figure 15 B).

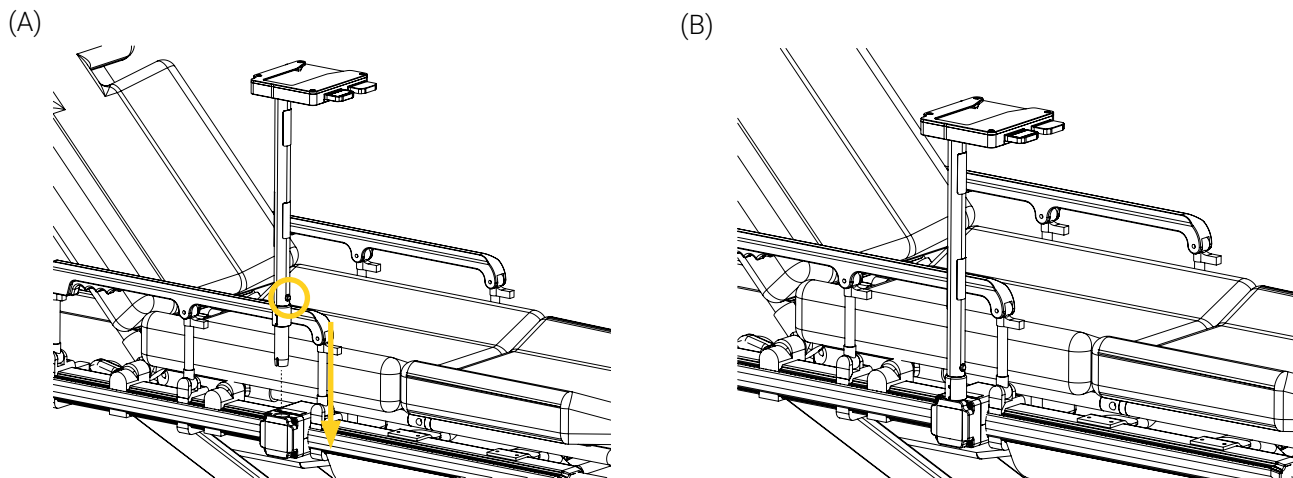


Figure 15: Installing the XTPA Auxiliary Pole in the AP Socket

3. Move the XTPA Auxiliary Pole up and down a few times to ensure it is locked and secured in the AP Socket. If the mounting system stays on the socket after the verification, it is secured.

The installation of the XTPA Auxiliary Pole in the AP Socket is complete.

6.6. Remove the XTPA Auxiliary Pole from the AP Socket

1. Press and hold the quick release button located at the bottom of the XTPA Auxiliary Pole, then pull the mounting system vertically out of the AP Socket (Figure 16).

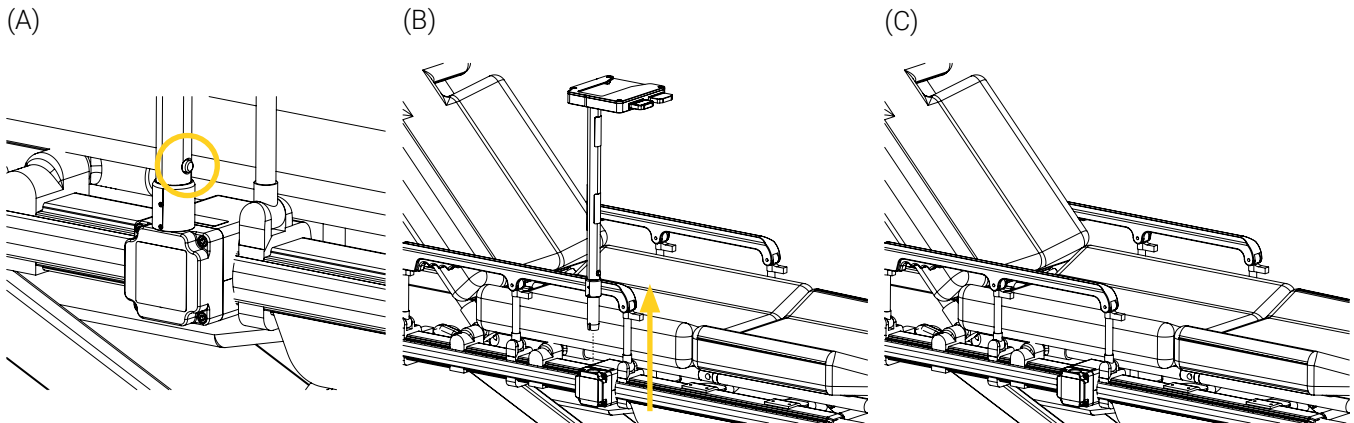


Figure 16: Removing the XTPA Auxiliary Pole from the AP Socket

2. Set the mounting system aside on a clean surface, or place it in its dedicated storage space ensuring to refer to your established internal protocols.

The removal of the XTPA Auxiliary Pole from the AP Socket is complete.

Annex I Skills Assessment of the Clinical Staff

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

Trainee name:

Unit:

Assessor name:

Date:

EMS AND CLINICAL PERSONNEL SKILLS ASSESSMENT		
SKILL CRITERIA	PASSED	FAILED
Labelling		
- Able to identify meaning and potential risks associated with the different safety labels:		
- Hand Crush/Pinch Point	☐	☐
- Safe Working Load (SWL)	☐	☐
- Rotation/Quick release button identification label	☐	☐
- Orientation identification label	☐	☐
Safety Measures		
- Knows not to put their fingers under the NVM Support Bracket when it is being installed on the XTPA Auxiliary Pole, and/or their hands below the quick release button located at the bottom of the mounting system when it is being installed in the AP Socket.	☐	☐
- Knows not to use the XTPA Auxiliary Pole if there are any loose or missing screws.	☐	☐
- Knows to always use the XTPA Auxiliary Pole as it was intended, using only the compatible medical device(s) and that improper use of the Technimount product may cause unpredictable functioning.	☐	☐
- Knows to always pay close attention to the condition of the safety mechanisms of the XTPA Auxiliary Pole and PPXT FQS Clamp Block.	☐	☐
- Knows to always ensure that the XTPA Auxiliary Pole is secured in the PPXT FQS Clamp Block and that the medical device is secured in the NVM Support Bracket before moving the stretcher.	☐	☐
- Knows to always pay close attention not to wedge the power cords or tubing during the installation/removal of the medical device(s), and/or when rotating the NVM Support Bracket.	☐	☐
- Knows not to overload the XTPA Auxiliary Pole.	☐	☐

EMS AND CLINICAL PERSONNEL SKILLS ASSESSMENT

SKILL CRITERIA	PASSED	FAILED
- Knows to always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided within the XTPA Auxiliary Pole user documentation.	☐	☐
Operation		
- Able to install/remove the medical device in/from the NVM Support Bracket.	☐	☐
- Able to install/remove the NVM Support Bracket on/from the XTPA Auxiliary Pole.	☐	☐
- Able to install/remove the XTPA Auxiliary Pole in/from the AP Socket.	☐	☐
- Able to rotate the NVM Support Bracket on the XTPA Auxiliary Pole.	☐	☐
- Has practiced safely operating the XTPA Auxiliary Pole, has perfected the manipulations and has acquired the required skill level to safely use with patient.	☐	☐

Annex II Unpack the XTPA Auxiliary Pole

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

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

NOTE : Keep all packaging material for future use.

5. Identify all the components and hardware included for the installation when applicable, then set them aside. Refer to the « Install the PPXT FQS Clamp Block on the Stretcher Frame » section on page 29 for the required parts.
6. Inspect the items for signs of damage. Take pictures and report them promptly when applicable.

Annex III Install the PPXT FQS Clamp Block on the Stretcher Frame

The content in this section is intended for biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read the « Safety Measures » section on page 14.

Required Installation Time

15 minutes

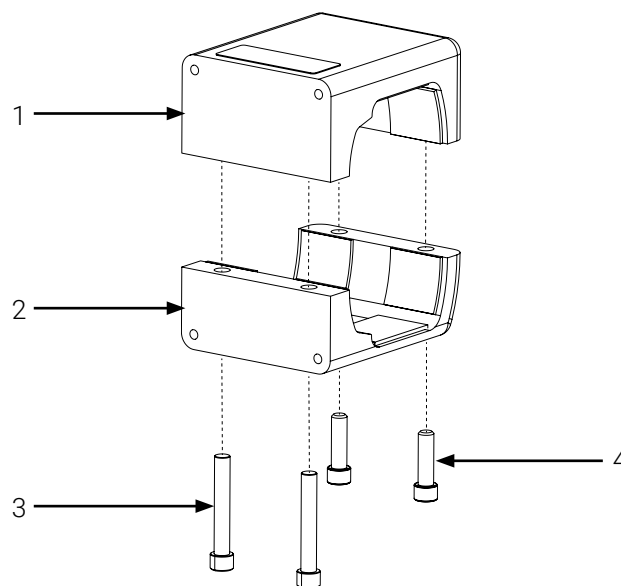
NOTE : This estimation will vary depending on the biomedical technician's (or equivalent) proficiency, knowledgeability, as well as your product configuration. Subsequent installations and adjustments of the mounting solution should take sensibly the same time, or shorter.

Required Tools

- $\frac{3}{16}$ in. hex head socket
- $\frac{5}{32}$ in. hex head socket
- Torque wrench
- Medium strength thread lock adhesive (🔧)

Install the PPXT FQS Clamp Block and AP Socket

1. Apply the brakes of the stretcher and remove the mattress to facilitate the installation of the PPXT FQS Clamp Block. Refer to your established internal protocols if needed.
2. Identify the PPXT FQS Clamp Block assembly parts (Figure 17).



- | | |
|--|--|
| 1. Top part of the PPXT FQS Clamp Block | 3. $\frac{1}{4}$ -20 in. X $1\frac{5}{8}$ in. socket head screw (2X) |
| 2. Bottom part of the PPXT FQS Clamp Block | 4. $\frac{1}{4}$ -20 in. X $\frac{7}{8}$ in. socket head screw (2X) |

Figure 17: PPXT FQS Clamp Block assembly parts

3. Place and align the top part of the clamp block over the stretcher frame and the bottom part of the clamp block under the stretcher frame, apply medium strength thread lock adhesive to the two (2) $\frac{1}{4}$ -20 in. X $1\frac{5}{8}$ in. socket head screws and two (2) $\frac{1}{4}$ -20 in. X $\frac{7}{8}$ in. socket head screws, then tighten using a $\frac{3}{16}$ in. hex head socket and torque wrench (Figure 18).

NOTE: A torque of 142 in.-lb is required.

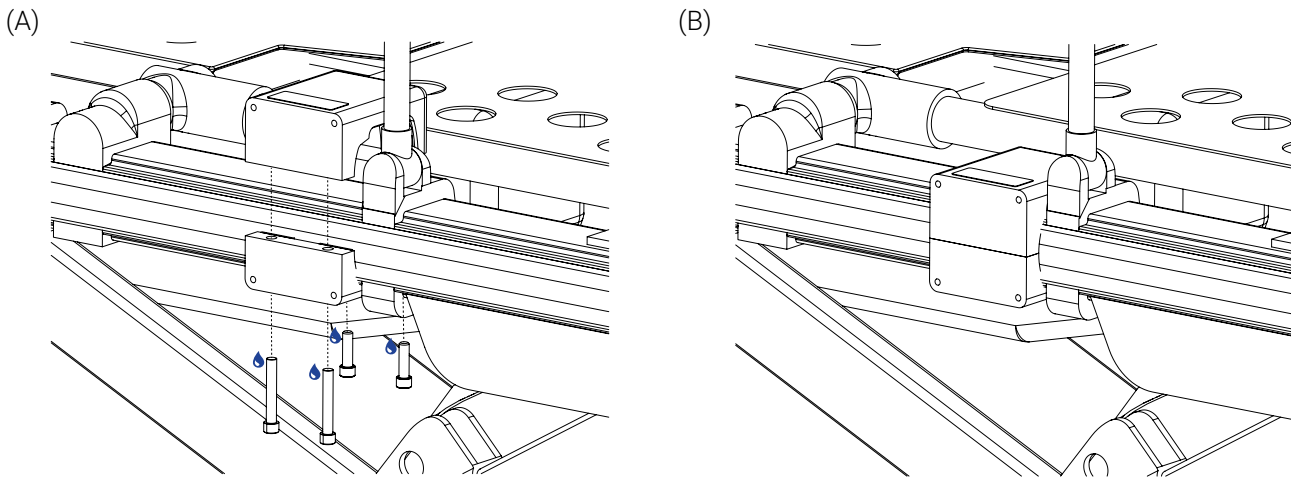
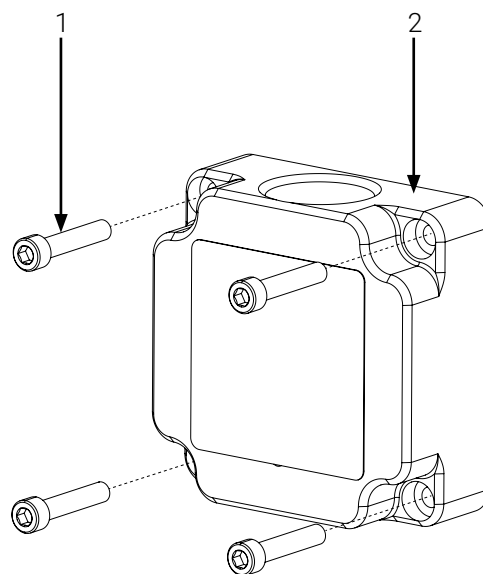


Figure 18: Installing the PPXT FQS Clamp Block on the stretcher frame

4. Move the PPXT FQS Clamp Block back and forth a few times to ensure that it is properly secured on the stretcher frame. If the PPXT FQS Clamp Block does not move after the verification, it is properly secured.
5. Identify the AP Socket assembly parts (Figure 19).



- | | |
|---|--------------|
| 1. 10-32 in. X 1 in. socket head screw (4X) | 2. AP Socket |
|---|--------------|

Figure 19: AP Socket assembly parts

6. Place the AP Socket on the clamp block, apply medium strength thread lock adhesive to the four (4) 10-32 in. X 1 in. socket head screws, then tighten using a $\frac{5}{32}$ in. hex head socket and torque wrench (Figure 20).

NOTE : A torque of 68 in.-lb is required.

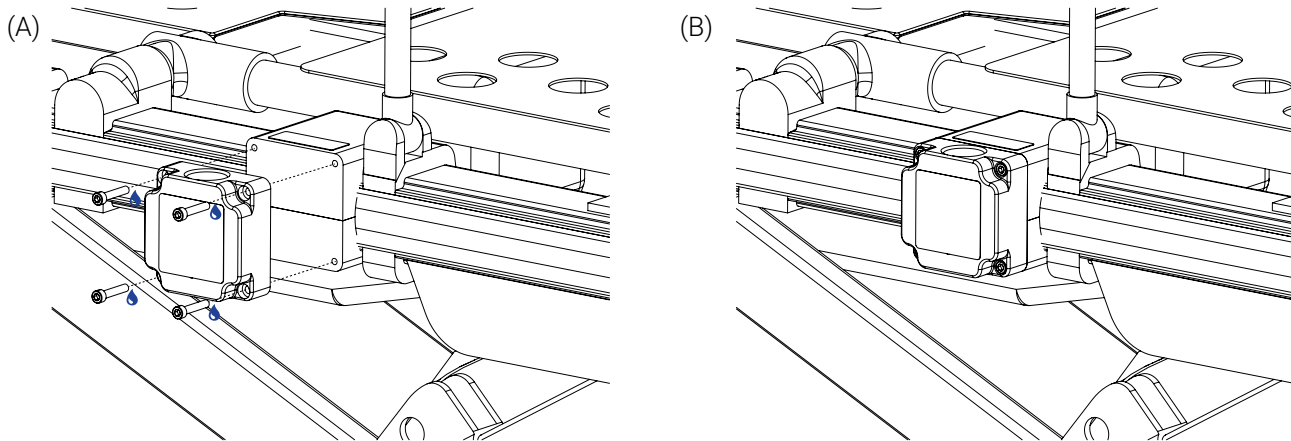


Figure 20: Installing the AP Socket on the PPXT FQS Clamp Block

7. Move the AP Socket up and down and from side to side a few times to ensure that it is properly secured on the PPXT FQS Clamp Block. If the AP Socket does not move after the verification, it is properly secured.
8. Repeat steps 3 to 7 to install a second PPXT FQS Clamp Block and AP Socket on the stretcher frame (Figure 21) if a second XTPA Auxiliary Pole is needed.

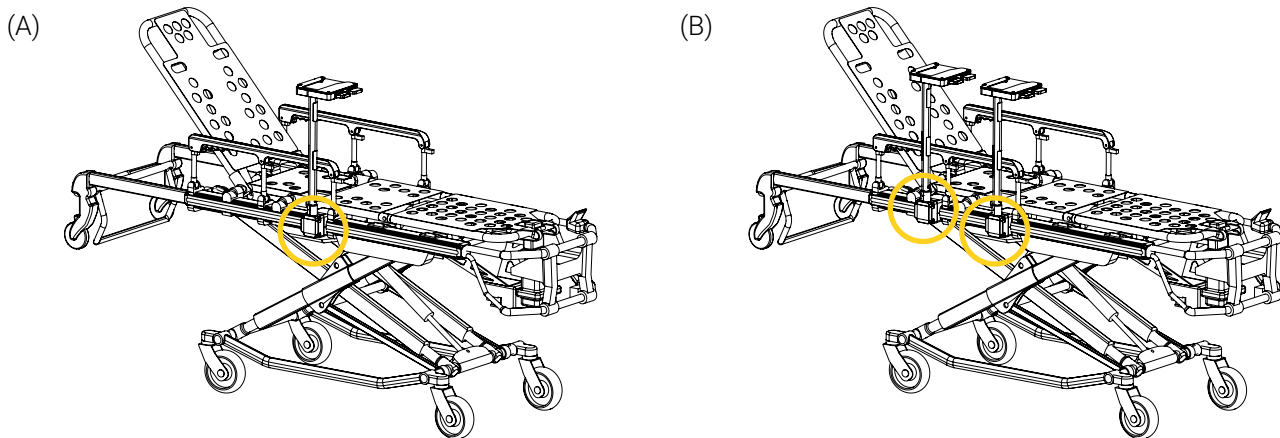


Figure 21: Mounting solution(s) installed on the stretcher frame

9. Reinstall mattress on the stretcher. Refer to your established internal protocols if needed.

The installation of the PPXT FQS Clamp Block and AP Socket is complete.

Annex IV Maintenance

Safety checks and condition-based maintenance should be carried out by biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read the entire « Safety Measures » section on page 14, and the maintenance specific safety measures listed below.

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



WARNING – General Warning

- **Do not** perform safety checks or condition-based maintenance before having read the entire content of the user manual, gained in-depth knowledge and product comprehension, and familiarized yourself with the standards and guidelines.
- Safety checks and a condition-based maintenance plan are required and should be established for all Technimount products.
- Perform the safety checks and maintenance operations as described herein. Failing to follow the recommended maintenance plan or its guidelines could cause premature damage to the product.
- Use only Technimount parts, maintenance procedures, cleaning solutions and lubricants (if applicable), as described herein. Using unapproved modified parts or procedures for the maintenance of the Technimount product may cause the system to be unstable and could cause injury to the patients or EMS and clinical personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the « Replacement Parts/Kits » section on page 39). Recycle damaged parts or dispose according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).



CAUTION – Safe Handling and Operation

- **Do not** use unauthorized, untested or unapproved cleaning products and disinfectants to perform condition-based maintenance, to avoid damaging the surface of your Technimount product and void the warranty. Technimount will not be held liable for damages resulting from the use of an unauthorized, untested or unapproved cleaning product.
- **Do not** use powered tools to screw the hardware during installation, as there is a potential risk of damage to the threads.
- **Do not** steam clean or use ultrasonic cleaners on the system or any of its components.
- **Do not** immerse the metal parts/components in water.
- To spot clean, the maximum water temperature should not exceed 180° F/82° C. The maximum water pressure should not exceed 1500 psi/103.5 BAR. If using a high pressure washer, the pressure nozzle must be kept a minimum of 24 in. (61 cm) from the unit.
- When cleaning, always use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.).

**CAUTION – Corrosion**

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

**CAUTION – Follow Instructions for Use**

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

Maintenance Frequency

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

Required Tools

- Clean dry cloths
- Soft brush
- Pressure washer
- Cleaning solutions
- $\frac{3}{16}$ in. hex head socket
- $\frac{5}{32}$ in. hex head socket
- Torque wrench
- Medium strength thread lock adhesive ()
- Phillips screwdriver #2

Tested and Approved Cleaning Solutions

- Lavo 12, 10 000 ppm Sodium Hypochlorite
- TNT-100, 5% Quaternary Ammonium Compound
- Spectro-Sept, 5% Ethyl Alcohol
- Spectrol, 5% EDTA salt

Maintenance Plan

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

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

MAINTENANCE PLAN	COMPLIANT	
SAFETY CHECKS	YES	NO

XTPA Auxiliary Pole (Figure 22)

- Visually inspect all the components of the XTPA Auxiliary Pole to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws:
 - NVM Support Bracket ☐ ☐
 - Rotation/Quick release button (NVM Support bracket) ☐ ☐
 - Quick release button (pump) ☐ ☐
 - Pole ☐ ☐
 - Quick release button (pole) ☐ ☐
 - AP Socket ☐ ☐
 - PPXT FQS Clamp Block ☐ ☐
- If there is damage to the components, remove the product from circulation and contact Technical Support immediately for a remedial action plan. ☐ ☐
- If there are traces of chemical attack, follow the conditioned-based maintenance herein. ☐ ☐
- If the hardware is not in good condition, replace it. Contact Technical Support if needed. ☐ ☐
- If the hardware of the XTPA Auxiliary Pole components is loose, apply medium strength thread lock adhesive () to the screws, then tighten using a $\frac{3}{16}$ in. hex head socket, a $\frac{5}{32}$ in. hex head socket, and a torque wrench, and/or using a Phillips screwdriver #2 for the hardware of the NVM Support Bracket. ☐ ☐
- Visually inspect the cavities of the XTPA Auxiliary Pole components and make sure there are no lodged particles to ensure proper functioning. If so, immediately remove using a clean dry cloth:
 - NVM Support Bracket ☐ ☐
 - Quick release button (pump) ☐ ☐
 - Quick release button (pole) ☐ ☐
 - AP Socket ☐ ☐

MAINTENANCE PLAN	COMPLIANT	
SAFETY CHECKS	YES	NO
- Move the AP Socket up and down and from side to side a few times to ensure it is secured on the PPXT FQS Clamp Block and does not move. If so, apply medium strength thread lock adhesive (🔧) to the screws, then tighten using a $\frac{5}{32}$ in. hex head socket and torque wrench.	☐	☐
- Move the PPXT FQS Clamp Block back and forth a few times to ensure it is secured on the stretcher frame and does not move. If so, apply medium strength thread lock adhesive (🔧) to the screws, then tighten using a $\frac{3}{16}$ in. hex head socket and torque wrench.	☐	☐
- Insert/remove the medical device in/from the NVM Support Bracket a few times to ensure proper functioning of the safety mechanism. The medical device should be easily inserted and secured in the support bracket, and easily removed when using the quick release button.	☐	☐
- Insert/remove the NVM Support Bracket on/from the auxiliary pole a few times to ensure proper functioning of the safety mechanism. The NVM Support Bracket should be easily inserted and secured on the pole, and easily removed when pressing the rotation/quick release button.	☐	☐
- Insert/remove the XTPA Auxiliary Pole in/from the AP Socket a few times to ensure proper functioning of the safety mechanism. The pole should be easily inserted and secured in the AP Socket, and easily removed when pressing the quick release button.	☐	☐
- Turn the NVM Support Bracket on the XTPA Auxiliary Pole a few times to ensure proper functioning of the mechanism. The NVM Support Bracket should easily rotate and/or secure in position when using the rotation/quick release button.	☐	☐

CONDITION-BASED MAINTENANCE	YES	NO
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Following the safety checks,

Clean the XTPA Auxiliary Pole

☐ ☐

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

NOTE : Avoid over saturation and ensure that the product does not sit on the surface of the XTPA Auxiliary Pole components longer than recommended by the cleaner's manufacturer.

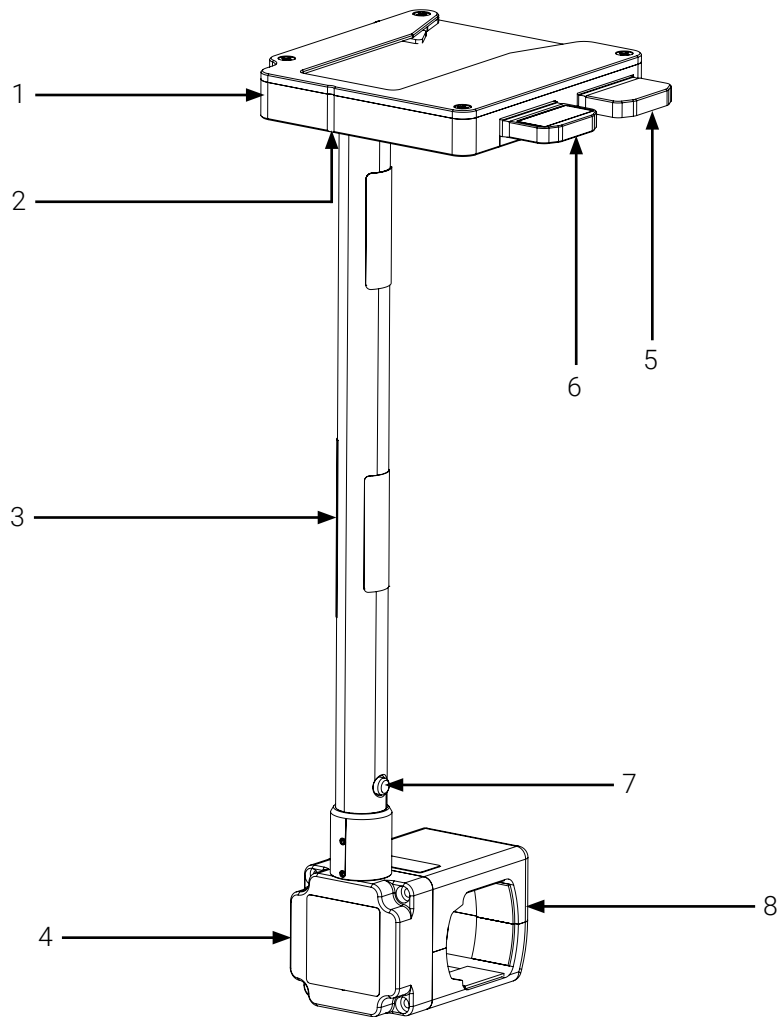
5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then dry all the components using a clean cloth before returning to service.

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

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

Maintenance plan completed by:

Illustrated Inspection Points



- | | |
|--------------------------------|--|
| 1. NVM Support Bracket | 6. Rotation/Quick release button (NVM Support Bracket) |
| 2. Alignment indicator | 7. Quick release button (pole) |
| 3. Auxiliary pole | 8. PPXT FQS Clamp Block |
| 4. AP Socket | |
| 5. Quick release button (pump) | |

Figure 22: Illustrated inspection points

Annex V Replacement Parts/Kits

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

REFERENCE # (FIGURE 22)	PART/KIT #	PART/KIT DESCRIPTION
4	3420-10-AP	AP Socket
3	1541-10-AP	Auxiliary Pole
1	1541-10-BXNV	NVM Support Bracket
8	3420-10-PFXT-FQ-S	PPXT FQS Clamp Block



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