Transport Stretcher

Operations Manual

REF 0747
REF 0748
<table>
<thead>
<tr>
<th>Symbols</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📘</td>
<td>Operating instructions/Consult instructions for use</td>
</tr>
<tr>
<td>⚠️</td>
<td>General warning</td>
</tr>
<tr>
<td>⚠️</td>
<td>Caution</td>
</tr>
<tr>
<td>🚫</td>
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<tr>
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<td>SN</td>
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<td>For US Patents see <a href="http://www.stryker.com/patents">www.stryker.com/patents</a></td>
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<tr>
<td>CE</td>
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<tr>
<td>DC REP</td>
<td>Authorized representative in the European Community</td>
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<td>⛰️</td>
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<td>⛰️</td>
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</tr>
<tr>
<td>✂️</td>
<td>Lubricate</td>
</tr>
<tr>
<td>🧑‍🩹</td>
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Warning/Caution/Note Definition

The words WARNING, CAUTION, and NOTE carry special meanings and should be carefully reviewed.

**WARNING**

Alerts the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

**CAUTION**

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

**Note** - Provides special information to make maintenance easier or important instructions clearer.
Summary of safety precautions

Always follow the warnings and cautions listed on this page. Service only by qualified personnel.

WARNING

- Always allow the product to reach room temperature before you setup the product or test functional operations. Permanent product damage may occur.
- Always operate the product when all operators are clear of the mechanisms.
- Always apply the brakes when a patient is getting on the product or off the product or when the product is not moving. Injury could result if the product moves while a patient is getting on the product or off the product.
- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always remove any devices that may be in the way before you raise or lower the litter.
- Do not sit on the end of the product. The product may tip.
- Always keep patient and operator extremities away from collapsed siderails to avoid injury.
- Always position the patient in the center of the product.
- Always unplug the power cord from the wall outlet before you transport or clean the product if your product is equipped with the electric lift or electric litter option.
- Always lock the siderails in the full upright position with the sleep surface horizontal in the lowest position when you transport a patient.
- Always lock the siderails in the full upright position with the sleep surface flat in the lowest position when you transport a patient.
- Always keep the patient’s limbs away from the siderail spindles when you lower the siderail.
- Do not allow the siderails to lower on their own.
- Always keep hands and fingers clear of the Fowler backrest release handles and the Fowler backrest frame when you lower the Fowler backrest.
- Always use caution when you raise a pneumatic Fowler backrest while a patient is on the product. Use proper lifting techniques and get assistance, if necessary.
- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.
- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
- Always secure the IV pole to the IV caddy when you transport the product.
- Always store the IV caddy when not in use to avoid product damage.
- Do not use the IV pole as a push/pull device. Product damage may occur.
- Do not place objects that exceed 40 lb (18 kg) in the upright oxygen bottle holder.
- Do not place objects that exceed 30 lb (14 kg) on the serving tray.
- Always use caution when you attach restraint straps. Patient or operator injury may occur. Physical restraints, even if secured, may result in serious harm to patients and operators, including entanglement, entrapment, physical injury, or death.
- Always attach restraint straps or devices only at the identified attachment points of the product. Failure to do so may result in patient or operator injury. Do not attach restraint straps to the siderail.
- Always refer to the applicable state and federal restrictions and regulations and the appropriate facility protocols before you use any restraint strap or device.
- Do not clean, service, or perform maintenance while the product is in use.
- Do not immerse the mattress in cleaning or disinfectant solutions. Excess moisture could cause product malfunction that results in product damage or patient injury.
- Do not allow fluid to pool on the mattress. Fluids can cause corrosion of components and may cause the safety and performance of this product to become unpredictable.
- Always inspect mattress covers for tears, punctures, excessive wear, and misaligned zippers every time you clean the covers. Remove and replace a damaged mattress immediately to prevent cross-contamination.
• Do not steam clean, pressure wash, hose off, or ultrasonically clean mattresses. These methods of cleaning may void the product’s warranty.
• Do not steam clean, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product’s warranty.
• Always disinfect the mattress between patients. Failure to do so could result in cross-contamination and infection.

CAUTION
• Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
• Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.
• Do not use the hydraulics on the base to raise the product with a patient lift under the product.
• Do not place objects that exceed 60 lb (27 kg) in the base hood.
• Do not sit, step, or stand on the base hood.
• Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.

Pinch points

Figure 1 – Pinch points
Introduction

This manual assists you with the operation or maintenance of your Stryker product. Read this manual before operating or maintaining this product. Set methods and procedures to educate and train your staff on the safe operation or maintenance of this product.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.

Note

- This manual is a permanent part of the product and should remain with the product even if the product is sold.
- Stryker continually seeks advancements in product design and quality. This manual contains the most current product information available at the time of printing. There may be minor discrepancies between your product and this manual. If you have any questions, contact Stryker Customer Service or Technical Support at 1-800-327-0770.

Product description

The Stryker Model 747/748 Transport Stretcher is a general purpose patient transport and treatment stretcher.

Indications for use

The Stryker Model 747/748 Transport Stretcher is a non-powered, wheeled device which consists of a platform mounted on a wheeled frame that is designed to support patients in a horizontal position. The device has siderails and has the option available to support the temporary or permanent placement of IV poles. A stretcher provides the operator a method of transporting patients within a health care facility. Some stretchers may also be used for minor procedures and short-term stay (treatment and recovery).

Clinical benefits

Patient transport and facilitate treatment

Expected service life

The Transport Stretcher has a 10 year expected service life under normal use conditions and with appropriate periodic maintenance.

Disposal/recycle

Always follow the current local recommendations and/or regulations governing environmental protection and the risks associated with recycling or disposing of the equipment at the end of its useful life.
### Contraindications

None known.

### Specifications

<table>
<thead>
<tr>
<th>Safe working load</th>
<th>Model 747 Transport Stretcher</th>
<th>Model 748 Transport Stretcher (wide) HT Packs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>500 lb</td>
<td>225 kg</td>
</tr>
<tr>
<td>Note - Safe working load indicates the sum of the patient, mattress, and accessory weight</td>
<td>500 lb</td>
<td>225 kg</td>
</tr>
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</table>

| Overall length   | 83 in. | 210.8 cm | 83 in. | 210.8 cm |
| Overall width    | 30 in. | 76.2 cm  | 34 in. | 86.4 cm  |
| Height           | High   | 36 in.   | 91.4 cm | 36 in.   | 91.4 cm |
|                  | Low    | 21.5 in. | 54.6 cm | 21.5 in. | 54.6 cm |
| Patient surface  | 26 in.  x 75.5 in. | 66 cm x 192 cm | 30 in.  x 75.5 in. | 76 cm x 192 cm |
| Siderails        | 13 in.  x 55 in. | 33 cm x 139.5 cm | 13 in.  x 55 in. | 33 cm x 139.5 cm |
| Litter positioning | Backrest | 0° to 90° | 0° to 90° |
|                   | Knee gatch | Not applicable | 0° to 30° |
|                   | Trendeleburg/Reverse Trendelenburg | +18° / -18° | +18° / -18° |
| Caster diameter   | 8 in.   | 20 cm    | 8 in.   | 20 cm    |
| Minimum under product clearance | 6 in. nominal | 15 cm | 6 in. nominal | 15 cm |
|                   | 1.75 in. under the hydraulic cylinders and fifth wheel | 4.5 cm | 1.75 in. under the hydraulic cylinders and fifth wheel | 4.5 cm |

Stryker reserves the right to change specifications without notice.

### Environmental conditions

<table>
<thead>
<tr>
<th>Environmental conditions</th>
<th>Operation</th>
<th>Storage and transportation</th>
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<tbody>
<tr>
<td>Temperature</td>
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<td>![0 °F (-18 °C), 50 °F (10 °C), 100 °F (38 °C), 140 °F (60 °C)]</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>![30%, 75%, 10%]</td>
<td>![10%, 90%, 95%]</td>
</tr>
<tr>
<td>Atmospheric pressure</td>
<td>![700 hPa, 1060 hPa]</td>
<td>![500 hPa, 1060 hPa]</td>
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Product illustration

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<table>
<thead>
<tr>
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<tr>
<td>A</td>
<td>Brake/steer pedal</td>
</tr>
<tr>
<td>B</td>
<td>Head end push handle</td>
</tr>
<tr>
<td>C</td>
<td>IV pole</td>
</tr>
<tr>
<td>D</td>
<td>Lowering pedal</td>
</tr>
<tr>
<td>E</td>
<td>Pump pedal</td>
</tr>
<tr>
<td>F</td>
<td>Siderail</td>
</tr>
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</table>

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA
Note - The user and/or the patient should report any serious product-related incident to both the manufacturer and the Competent authority of the European Member State where the user and/or patient is established.

To view your operations or maintenance manual online, see https://techweb.stryker.com/.

Have the serial number (A) of your Stryker product available when calling Stryker Customer Service or Technical Support. Include the serial number in all written communication.

Serial number location

Date of manufacture

The year of manufacture is the first four digits of the serial number.
Setup

To unpack your product, see the unpacking instructions that are attached to the product inside of the shipping crate.

**WARNING**
- Always allow the product to reach room temperature before you setup the product or test functional operations. Permanent product damage may occur.
- Always operate the product when all operators are clear of the mechanisms.

Make sure that the product is working before the product is put into service.

1. Apply the brakes. Push on the product to make sure that all four casters are locked.
2. Raise and lower the hydraulic lift system.
3. Raise the product to the highest height and put the product in the Trendelenburg position. Make sure that the head end lowers to the lowest position.
4. Raise the product to the highest height and put the product in the Reverse Trendelenburg position. Make sure that the foot end lowers to the lowest position.
5. Apply the fifth wheel to make sure that it guides and pivots the product.
6. Make sure that the siderails raise, lower, and lock in place.
7. Raise and lower the Fowler backrest.
Operation

Applying and releasing the brakes

**WARNING** - Always apply the brakes when a patient is getting on the product or off the product or when the product is not moving. Injury could result if the product moves while a patient is getting on the product or off the product.

To apply the brakes, push down on the brake (red) side of the brake/steer pedal. Push on the product to make sure that the brakes work.

To release the brakes, push down on the steer (green) side of the brake/steer pedal.

Raising or lowering the litter

**WARNING**

- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always remove any devices that may be in the way before you raise or lower the litter.
- Do not sit on the end of the product. The product may tip.
- Always keep patient and operator extremities away from collapsed siderails to avoid injury.

To raise the litter, pump the pump pedal (D) until you achieve the desired height (Figure 2).

To lower the entire litter, press on the center of the uni-lower pedal (C).

To lower the head end of the litter, press on the side of the uni-lower pedal (C) closest to the head end of the product.

To lower the foot end of the litter, press on the side of the uni-lower pedal (C) closest to the foot end of the product.
Positioning the product in Trendelenburg

WARNING - Always remove any devices that may be in the way before you raise or lower the litter.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To position the product in the Trendelenburg position (head down), raise the litter to the highest height (Figure 2).

Note - Raise the litter to the highest height for a greater Trendelenburg angle.

Push down on the side of the uni-lower pedal closest to the head end (C).

To lower the product from Trendelenburg position, push down on the center of the uni-lower pedal (C) until the litter is flat.

Positioning the product in Reverse Trendelenburg

WARNING - Always remove any devices that may be in the way before you raise or lower the litter.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To position the product in the Reverse Trendelenburg position (foot down), raise the litter to the highest height (Figure 2).

Note - Raise the litter to the highest height for a greater Trendelenburg angle.

Push down on the side of the uni-lower pedal closest to the foot end (C).

To lower the product from Reverse Trendelenburg position, push down on the center of the uni-lower pedal (C) until the litter is flat.
Transporting a patient with the retractable fifth wheel

WARNING

• Always position the patient in the center of the product.
• Always remove any devices that may be in the way before you raise or lower the litter.
• Always lock the siderails in the full up position with the sleep surface flat in the lowest position when you transport a patient.

CAUTION - Do not use the hydraulics on the base to raise the product with a patient lift under the product.

To transport a patient with the retractable fifth wheel:

1. Push down on the steer side of the brake/steer pedal to apply the fifth wheel.
2. Put the pedal in the neutral position to move the product laterally. Move the product to the desired location.
   Note - Do not attempt to move the product laterally with the retractable fifth wheel applied.
3. Apply the brakes to lock the product in place.
   Note - Always make sure that the brake is released before you move the product to avoid operator or patient injury.

Positioning or stowing the push handles (optional)

To position or stow the push handles:

1. Pivot the handles up from the end of the product (Figure 3).
2. Push down on the handles to lock them into position.
3. Reverse steps to stow the handles.
   Note - Only use the push handles as push/pull devices unless otherwise specified to avoid product damage.
WARNING

- Always put the product in the lowest position with the siderails up and latched when you leave a patient unattended on the product. Do not leave the product at a higher height.
- Always lock the siderails in the full up position with the sleep surface flat in the lowest position when you transport a patient.
- Always keep the patient’s limbs away from the siderail spindles when you lower the siderail.
- Do not allow the siderails to lower on their own.

To raise the siderails, use two hands to grasp the siderail. Raise the siderail until the release latch clicks into place. Pull on the siderail to make sure that the siderail is locked.

To lower the siderails, pull up on the release latch. Guide the siderail to the lowest position.

Note - Do not use siderails as restraint devices to keep the patient from exiting the product. The siderails keep the patient from rolling off the product. The operator must determine the degree of restraint necessary to make sure that the patient is safe.

Raising or lowering the pneumatic Fowler backrest

WARNING

- Always keep hands and fingers clear of the Fowler backrest release handles and the Fowler backrest frame when you lower the Fowler backrest.
- Always use caution when you raise a pneumatic Fowler backrest while a patient is on the product. Use proper lifting techniques and get assistance, if necessary.

To raise the Fowler backrest, squeeze the red Fowler backrest release handle (A) and pull the Fowler backrest up to the desired position (Figure 4).

To lower the Fowler backrest:
1. Squeeze the Fowler backrest release handle (A).
2. Push the Fowler backrest down to the desired position.
Raising or lowering the gatch

To raise the gatch (B), turn the crank handle (A) clockwise (Figure 5).

To lower the gatch (B), turn the crank handle (A) counterclockwise.

Storing objects in the base hood

**CAUTION**

- Do not place objects that exceed 60 lb (27 kg) in the base hood.
- Do not sit, step, or stand on the base hood.

You can store patient belongings in the base hood. Do not use the oxygen bottle holder cutout to store oxygen bottles or patient belongings.
Accessories and parts

These accessories may be available for use with your product. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

<table>
<thead>
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<td>Defibrillator tray/foot extender/footboard</td>
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<tr>
<td>Siderail pad set</td>
<td>1010-052-000</td>
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Attaching the defibrillator tray

**WARNING**

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

To attach the defibrillator tray:

1. Insert the defibrillator tray pins into the sockets at the foot end of the product.
2. Use the strap to secure devices to the defibrillator tray.

**Note**

- Do not use the defibrillator tray as a push/pull device. Product damage may occur.
- Always raise the foot end push handles when you use accessories (such as the defibrillator tray/foot extender, footboard/chart holder, upright oxygen bottle holder) or the accessories will not function.

Converting the defibrillator tray/foot extender to a defibrillator tray

**WARNING**

- Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

**CAUTION -** Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.

To convert the defibrillator tray/foot extender to a defibrillator tray:

1. Pull out the top knob (A) (Figure 6).
2. Pivot the defibrillator tray (B) until the tray is flat over the foot end of the product. Release the top knob (A). Make sure that the defibrillator tray is locked in place.
3. Use the strap to secure devices to the defibrillator tray.

**Note**

- Do not use the defibrillator tray/foot extender as a push/pull device. Product damage may occur.
- Do not attach items to the foot extender.
Converting the defibrillator tray/foot extender to a foot extender

WARNING
• Do not place items that weigh more than 30 lb (14 kg) on the defibrillator tray/foot extender. Always strap down all devices that you place on the defibrillator tray.
• Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

CAUTION - Always raise the IV pole before you attach the defibrillator tray/foot extender to the product. If you do not raise the IV pole, the foot extender will not operate.

To convert the defibrillator tray/foot extender to a foot extender (Figure 6):

1. Pull out the top knob (A).
2. Pivot the defibrillator tray (B) until the tray locks against the foot extender.
3. Pull out the bottom knob (D) while you hold the defibrillator tray/foot extender assembly.
4. Lower the foot extender (C) until the foot extender is flat.
5. Release the bottom knob (D). Push on the foot extender to make sure that the foot extender is locked in place.

Note
• Do not use the defibrillator tray/foot extender as a push/pull device. Product damage may occur.
• Do not attach items to the foot extender.

Attaching the footboard/chart holder

WARNING - Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

To attach the footboard/chart holder, insert the footboard/chart holder pins into the sockets at the foot end of the product.

Note - Do not use the footboard/chart holder as a push/pull device. Product damage may occur.
Attaching the IV caddy

**WARNING**

- Always secure the IV pole to the IV caddy when you transport the product.
- Always store the IV caddy when not in use to avoid product damage.

To attach the IV caddy (Figure 7):

1. Lift the IV caddy out of the storage tray or from the storage clip.
2. Pivot the IV caddy to the desired position.
3. Turn the knob (A) counterclockwise to loosen the pole clamp (C).
4. Pivot the knob (A) away from the arm connection assembly (B).
5. Open the clamp (C).
6. Place the IV pole into the clamp (C).
7. Close the clamp (C) around the IV pole and pivot the knob (A) into position.
8. Turn the knob (A) clockwise to tighten the knob.
9. Reverse steps to disconnect the IV caddy from the product.

To store the IV caddy, place the IV caddy in the storage tray or secure the caddy in the storage clip.

Positioning the two-stage permanently attached IV pole option

**WARNING** - Do not use the IV pole as a push/pull device. Product damage may occur.

You can purchase the product with the two-stage IV pole option permanently attached at the head end, foot end, or both ends of the product. The IV pole is equipped with a telescopic pole that extends to provide a second height position. You can fold and store the IV pole when not in use.

To position the two-stage IV pole (Figure 8):

1. Lift and pivot the pole from the storage position.
2. Push the IV pole down until the IV pole locks in place.
3. To raise the height of the IV pole, pull up on the telescoping portion (A) until the pole locks in place at the fully raised position.
4. Rotate the IV hangers (B) to the desired position and hang the IV bags.
5. To lower the IV pole, hold the telescoping portion of the IV pole, turn the latch (C), and lower the telescoping portion.

Note
- Do not hang IV bags that exceed 40 lb (18 kg) on the IV pole.
- Always make sure that the IV pole is at a low height to pass safely through door openings when you transport a patient.

![Diagram of IV pole with labels A, B, and C]

Figure 8 – Positioning the 2 stage permanently attached IV pole

Positioning the three-stage permanently attached IV pole option

**WARNING** - Do not use the IV pole as a push/pull device. Product damage may occur.

You can purchase the product with the three-stage IV pole option permanently attached at the head end, foot end, or both ends of the product. The IV pole is equipped with a telescopic pole that extends to provide a second and third height position. You can also fold and store the IV pole when not in use.

To position the three-stage IV pole (Figure 9):
1. Lift and pivot the pole from the storage position.
2. Push the IV pole down until the pole locks in place.
3. To raise the height of the IV pole, pull up on the telescoping portion (A) until the pole locks into place at the fully raised position.
4. For a higher IV pole, pull up on section (B). Release section (B) at any desired height to lock the pole in place.
5. Rotate the IV hangers (C) to the desired position and hang the IV bags.
6. To lower the IV pole, push up on the yellow portion of the grip (D) while holding on to section (B) until the pole lowers.
7. Turn the latch (E) and lower the IV pole telescoping portion.

Note
- Do not hang IV bags that exceed 12 lb (5 kg) total for all bags on the IV pole.
- Do not hang IV bags that exceed 9.3 lb (4.2 kg) on a single IV hanger.
- Always make sure that the IV pole is at a low height to allow the pole to pass safely through door openings when you transport a patient.
Attaching and positioning the removable IV pole

**WARNING** - Do not use the IV pole as a push/pull device. Product damage may occur.

To attach and position the removable IV pole (Figure 10):

1. Insert the IV pole into a socket at the head end or foot end of the product.
2. Turn the knob (A) counterclockwise and pull up on the telescoping portion (B) until you reach the desired height.
3. Turn the knob (A) clockwise to lock the telescoping portion in place.

**Note**

- Do not hang IV bags that exceed 40 lb (18 kg) on the IV pole.
- Always make sure that the IV pole is at a low height to pass through door openings when you transport a patient.
Attaching the upright oxygen bottle holder

**WARNING**

- Do not place objects that exceed 40 lb (18 kg) in the upright oxygen bottle holder.
- Always use caution if the defibrillator tray/foot extender, footboard/chart holder, or upright oxygen bottle holder is attached to avoid pinching your fingers when you position the foot end push handle option.

The upright oxygen bottle holder supports an oxygen bottle in a vertical position.

To attach the upright oxygen bottle holder:

1. Insert the support bar into any of the IV sockets.
2. Insert the cotter pin through the hole in the support bar to secure the bottle holder to the product.

   **Note** - Do not use the upright oxygen bottle holder as a push/pull device.

Extending or stowing the serving tray holder/footboard

**WARNING** - Do not place objects that exceed 30 lb (14 kg) on the serving tray.

To fit the serving tray on the siderail, pull out on both sides of the serving tray and position the tray over the siderails.

To stow the serving tray:

1. Remove the serving tray from the siderails.
2. Push in the sides of the serving tray.
3. Store the serving tray in the footboard.

   **Note** - Do not use the serving tray/footboard as a push/pull device.
Attaching the siderail pads

To attach the siderail pads:

1. Tuck the siderail pad between the mattress and the siderail.
2. Fasten the Velcro® straps around the top of the siderail to secure the siderail pad.

Locating the patient restraint strap tie-ins

**WARNING**

- Always use caution when you attach restraint straps. Patient or operator injury may occur. Physical restraints, even if secured, may result in serious harm to patients and operators, including entanglement, entrapment, physical injury, or death.
- Always attach restraint straps or devices only at the identified attachment points of the product. Failure to do so may result in patient or operator injury. Do not attach restraints straps to the siderail.
- Always refer to the applicable state and federal restrictions and regulations and the appropriate facility protocols before you use any restraint strap or device.

There are eight patient restraint strap tie-in locations on the litter assembly for attaching patient restraint straps (Figure 11).

Figure 11 – Restraint strap tie-in locations
Cleaning

Cleaning the product

**WARNING** - Do not clean, service, or perform maintenance while the product is in use.

Recommended cleaning method

1. Follow the cleaning solution manufacturer’s dilution recommendations.
2. Hand wash all surfaces of the product with warm water and mild detergent.
3. Avoid over-saturation and make sure that the product does not stay wet longer than the detergent manufacturer’s guidelines for proper cleaning.
4. Dry thoroughly. Do not replace the mattress on the product until the product is dry.
5. Check functionality before you return the product to service.
   - Raise and lower the product
   - Lock and unlock the brake/steer pedal in both positions
   - Latch and unlatch the siderails
   - Raise and lower the Fowler backrest
   - Raise and lower the gatch
   - Make sure all components have proper lubrication
   - Make sure all labels are intact

**Note**
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not properly rinse and dry the product, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
- Do not steam clean, power wash, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product’s warranty.
  - Clean the base hood.
  - Clean the bottom of the brake pads to prevent wax or floor remnant buildup.

Cleaning the mattress

**WARNING**

- Do not clean, service, or perform maintenance while the product is in use.
- Do not immerse the mattress in cleaning or disinfectant solutions. Excess moisture could cause product malfunction that results in product damage or patient injury.
- Do not allow fluid to pool on the mattress. Fluids can cause corrosion of components and may cause the safety and performance of this product to become unpredictable.
- Always inspect mattress covers for tears, punctures, excessive wear, and misaligned zippers every time you clean the covers. Remove and replace a damaged mattress to prevent cross-contamination.
- Do not steam clean, pressure wash, hose off, or ultrasonically clean mattresses. These methods of cleaning may void the product’s warranty.

The life of the mattress can be affected by an increase in frequency of usage, which might include more frequent cleaning and disinfection.

1. Use a clean, soft cloth to wipe down the entire mattress with a mild soap and water solution to remove foreign material.
2. Wipe down the mattress with a clean, dry cloth to remove any excess liquid or cleaning agents.
3. Rinse and dry covers after cleaning.

4. Disinfect as needed with a hospital grade disinfectant after cleaning has been completed (Disinfecting the mattress (page 25)).

5. Check functionality before you return the product to service.
   - Raise and lower the product
   - Lock and unlock the brake/steer pedal in both positions
   - Latch and unlatch the siderails
   - Raise and lower the Fowler backrest
   - Raise and lower the gatch
   - Make sure all components have proper lubrication
   - Make sure all labels are intact

**Note**
- Do not iron, dry-clean, or tumble dry the mattress, as this will cause malfunction and damage the product.
- The mattress cover must be completely dry before you store, add linens, or place a patient on the mattress to prevent impairment of the product performance.
- Avoid over-exposure to alcohol or hydrogen peroxide. The cover material will swell.
- Do not allow liquid to seep into the zipper area and watershed cover barrier. Fluids allowed to come in contact with the zipper may leak into the mattress which could impair the product performance.
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.

**Remove iodine**

1. Make a solution of 1 to 2 tablespoons of sodium thiosulfate in a pint of warm water. Use the solution to wipe down the stained area.

2. Clean the stain as soon as possible after the stain occurs.

3. If stains are not immediately removed, allow solution to soak or stand on the mattress before you wipe the mattress.

4. Rinse the mattresses which have been exposed to the solution with clear water before you return the mattresses to service.

   **Note** - Failure to follow these directions when you use these types of cleaners may void this product’s warranty.

**Special instructions**

<table>
<thead>
<tr>
<th>Velcro®</th>
<th>Saturate with disinfectant, rinse with water, and allow the solution to evaporate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids or stains</td>
<td>Use neutral soaps and warm water. Do not use harsh cleansers, solvents, or abrasive cleaners.</td>
</tr>
<tr>
<td>Hard-to-clean spots</td>
<td>Use standard household cleansers or vinyl cleansers and a soft bristle brush on troublesome spots or stains. Pre-soak dried-on soil.</td>
</tr>
<tr>
<td>Laundering</td>
<td>Laundering is not recommended. Laundering may substantially decrease the useful life of the mattress.</td>
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</tbody>
</table>
Disinfecting

Disinfecting the product

WARNING

- Do not clean, service, or perform maintenance while the product is in use.
- Do not steam clean, hose off, or ultrasonically clean the product. Use of these methods of cleaning is not recommended and may void the product’s warranty.

Recommended disinfectants

- Quaternaries (active ingredient - ammonium chloride) that contain less than 3% glycol ether
- Phenolic disinfectant (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% bleach diluted 1 part bleach to 100 parts water which equals 520 ppm available chlorine (40 mL of a 5.25% bleach solution per 4000 mL water))
- 70% isopropyl alcohol

Recommended disinfection method

1. Follow the disinfectant solution manufacturer’s dilution recommendations.
2. Hand wash all surfaces of the product with a disinfectant solution.
3. Avoid over-saturation and make sure that the product does not stay wet longer than the chemical manufacturer’s guidelines for proper disinfecting.
4. Dry thoroughly. Do not replace the mattress on the product until the product is dry.
5. Disinfect the Velcro® after every use. Saturate the Velcro® with disinfectant, rinse with water, and allow the disinfectant to evaporate (appropriate disinfectant is determined by the facility).
6. Check functionality before you return the product to service.
   - Raise and lower the product
   - Lock and unlock the brake/steer pedal in both positions
   - Latch and unlatch the siderails
   - Raise and lower the Fowler backrest
   - Raise and lower the gatch
   - Make sure all components have proper lubrication
   - Make sure all labels are intact

   Note - Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.

Disinfecting the mattress

These instructions provide recommended disinfecting methods for the mattress.

WARNING - Always disinfect the mattress between patients. Failure to do so could result in cross-contamination and infection.

Recommended disinfectants:

- Quaternaries (active ingredient - ammonium chloride) that contain less than 3% glycol ether
- Phenolic disinfectant (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% bleach diluted 1 part bleach to 100 parts water which equals 520 ppm available chlorine (40 mL of a 5.25% bleach solution per 4000 mL water))
- 70% isopropyl alcohol

1. Make sure that the mattress has been thoroughly cleaned and dried before you apply disinfectants.
2. Wipe down the mattress with a clean, dry cloth to remove any excess liquid or disinfectant.
3. Rinse and dry covers after disinfection.

**Note**
- The mattress cover must be completely dry before you store or add linens. Failure to remove excess disinfectant could cause degradation of the cover material.
- Some cleaning agents are corrosive in nature and may cause damage to the product if you use them improperly. If you do not rinse and dry the product well, a corrosive residue may be left on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
- Frequent or prolonged exposure to higher concentrations of disinfectant solutions may prematurely age the cover fabric.
- The use of accelerated hydrogen peroxides or quaternaries that contain glycol ethers may damage the cover.
Preventive maintenance

Remove product from service before you perform the preventive maintenance inspection. Check all items listed during annual preventive maintenance for all Stryker Medical products. You may need to perform preventive maintenance checks more often based on your level of product usage. Service only by qualified personnel.

Note - Clean and disinfect the exterior of the mattress before inspection, if applicable.

Inspect the following items:

- All welds
- All fasteners are secure
- Brake mechanism works
- Steer function works
- Siderails raise, lower, and latch
- Casters lock when you apply the brakes
- Casters lock and swivel
- Casters are free of wax and debris
- Fowler backrest raises, lowers, and latches
- Gatch raises, lowers, and latches
- Skins are not cracked
- Trendelenburg/Reverse Trendelenburg raises and lowers from all locations
- IV pole is intact and latches in all positions (optional)
- Oxygen bottle holder is intact and opens and closes (optional)
- No damage to the head and foot trays
- Ground chain intact
- Body restraints latch and are secure (optional)
- No rips or cracks in the mattress cover
- Accessories and mounting hardware in good condition and work
- No leaks at hydraulic connections
- Hydraulic jacks hold
- Hydraulic drop rate set
- Hydraulic oil level sufficient
- Lubricate where required (Lubrication points (page 27))

<table>
<thead>
<tr>
<th>Product serial number:</th>
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<tbody>
<tr>
<td>Completed by:</td>
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<tr>
<td>Date:</td>
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</table>

Lubrication points

With the Fowler backrest at 0 degrees, apply Syntech grease (3000-200-719) through the slot and hole in the crank screw assembly (Figure 12). Wipe off excess grease.
Figure 12 – Crank screw lubrication