

CUB® Pediatric Crib

Operations Manual

REF FL19H (1900)



Symbols












| | |
|---|--|
|  | General Warning |
|  | Caution |
|  | Operating instructions/Consult instructions for use |
|  | Type BF applied part |
| IPX4 | Protection from liquid splash |
|  | Direct Current |
|  | Medical Equipment approved by the Canadian Standards Association with Respect to Electric Shock, Fire, Mechanical and Other Specified Hazards |
|  | In accordance with European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) as amended, this symbol indicates that the product should be collected separately for recycling. Do not dispose of as unsorted municipal waste. Contact local distributor for disposal information. Ensure infected equipment is decontaminated prior to recycling. |
|  | Catalogue number |
|  | Serial number |
|  | Manufacturer |
|  | Date of manufacture |

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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 read and strictly 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 set up 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 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.
 - Do not move the crib sideways with the fifth wheel applied.
 - Always put the product in the lowest position with the siderails up and latched and access doors closed and locked when you leave a patient unattended on the product. Do not leave the product at a higher height.
 - Always put the siderails up and latched when you put the product in a Trendelenburg position.
 - Make sure that the support arm is secure in the arm supports before you release the Fowler or foot section.
 - Always lock the siderails in the full up position with the sleep surface horizontal and in the lowest position when you transport a patient.
 - Always keep operator and patient limbs away from the siderails when you raise or lower the siderail.
 - Always make sure that the open/close indicators show green when the door is closed.
 - 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 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.
 - Make sure that the IV pole is positioned correctly so that the patient cannot reach or manipulate the IV pole.
 - Do not use the IV pole as a push/pull device. Product damage may occur.
 - For removable IV pole FDTSH, do not hang IV bags that exceed 11 lb (5 kg).
 - Patient must be moved from product before installing a protective top.
 - On a product with scale, make sure that the scale is turned off before installing a protective top.
 - Make sure that the protective top is secure and functions before returning the product to service.
 - Always make sure that both lower rails are in the locked position before leaving a patient unattended.
 - Always make sure that you use the center of the lower rail to close the protective top.
-

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 lean on the bracket of the scale module.
- Do not use a foot end fixed IV pole on a product with the scale option.
- Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.
- Zero the scale at least once a week to maintain scale accuracy.
- Always use 1.5 VDC alkaline batteries.
- Remove the batteries from the product during long periods of disuse.
- Do not load the IV pole above the safe working load of 40 lb (18 kg).
- Do not load an IV pole hook above the safe working load of 11 lb (5 kg).
- Do not use the protective top as a push/pull device. Product damage may occur.
- Do not clean, disinfect, service, or perform maintenance while the product is in use.

- Always clean **Velcro**® after each use. Saturate **Velcro** with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon **Velcro** should be determined by the hospital.
 - Always wipe down with clean water and dry each product after disinfecting. Some disinfectants are corrosive in nature and may cause damage to the product. If you do not rinse and dry the product, you may leave a corrosive residue on the surface of the product. This corrosive residue could cause premature degradation of critical components. Failure to follow these disinfecting instructions may void your warranty.
 - Do not use quaternary disinfectants formulated with glycol ethers.
 - **Virex**® TB is not an approved cleaning agent for this product. Do not use for crib cleaning.
-

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 FL19H CUB® pediatric crib is a pediatric medical crib that consists of moveable and latchable rails, an accompanying mattress, and an adjustable bed surface.

Indications for use

The Stryker Model FL19H CUB pediatric crib is intended to provide a pediatric patient support surface for medical purposes and to provide a method of transporting pediatric patients within a healthcare facility.


Expected service life

CUB pediatric cribs have a 10 year expected service life under normal use conditions and with appropriate periodic maintenance.

Contraindications

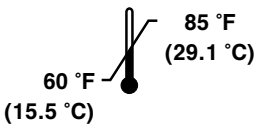
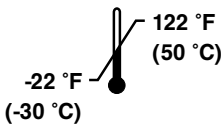
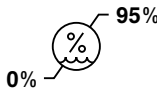
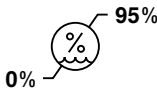
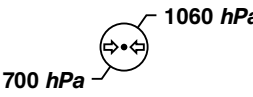
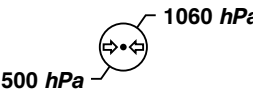
None known.

Specifications

| | | | |
|---|---|----------------|-------------------|
|  | Safe working load Note: Safe working load indicates the sum of the occupant and accessory weight. | 100 lb | 45 kg |
| Product weight capacity | | 400 lb | 181 kg |
| Product weight | | 375 lb | 170 kg |
| Scale system capacity (optional equipment), loads weighing up to: | | 4 lb to 100 lb | 1.8 kg to 54.4 kg |

| | | | |
|--|-------------------------------------|--|----------------|
| Scale system accuracy (optional equipment) | | Perform scale measurement when unit is flat: ± 0.5 lb (0.2 kg) for patients weighing 50 lb (22 kg) or less ± 1.0 lb (0.4 kg) for patients weighing ≥ 50 lb (22 kg) | |
| Height range (to litter top) | | High | 40 in / 102 cm |
| | | Low | 33 in / 84 cm |
| Patient sleep surface | | 29.5 in x 57 in | 75 cm x 145 cm |
| Litter position | Manual activated | 0° / 25° / 40° / 55° | |
| | Pneumatic assist | 0° - 50° | |
| | Trendelenburg/Reverse Trendelenburg | ± 9.5° | |
| | Foot section angle | 0° / 6° / 12° | |
| Power system (for scale option) | | Battery operated: 4 x C type, alkaline, 1.5 VDC | |
| Electrical requirements (for scale option) | | 6 VDC, 0.15 A | |

| Compatible mattress | | |
|---------------------|-------------------------------|------------------------------|
| 55-0072 | 58.25 in. x 30.13 in. x 4 in. | 148 cm x 76.53 cm x 10.16 cm |

| Environmental conditions | Operation | Storage and transportation |
|------------------------------------|---|---|
| Ambient temperature |  |  |
| Relative humidity (non-condensing) |  |  |
| Atmospheric pressure |  |  |

Specifications listed are approximate and may vary slightly from product to product or by power supply fluctuations. Stryker reserves the right to change specifications without notice.

| Standards applied | |
|---|--|
| CAN/CSA C22.2 No. 601.1-M90 (AM1 + AM2) | Medical Electrical Equipment - Part 1: General Requirements for Safety - General Instruction No 1; Update No 2 |
| UL60601-1 | Medical Electrical Equipment, Part 1: General Requirements for Safety |
| IEC 60601-1: 1988 (AM1 + AM2) | Medical Electrical Equipment Part 1: General Requirements for Safety - Edition 2.0; Amendment 1: 11-1991, Amendment 2: 03-1995, Corrigendum 1: 6-1995, CENELEC EN 60601-1:1990 |

Product illustration

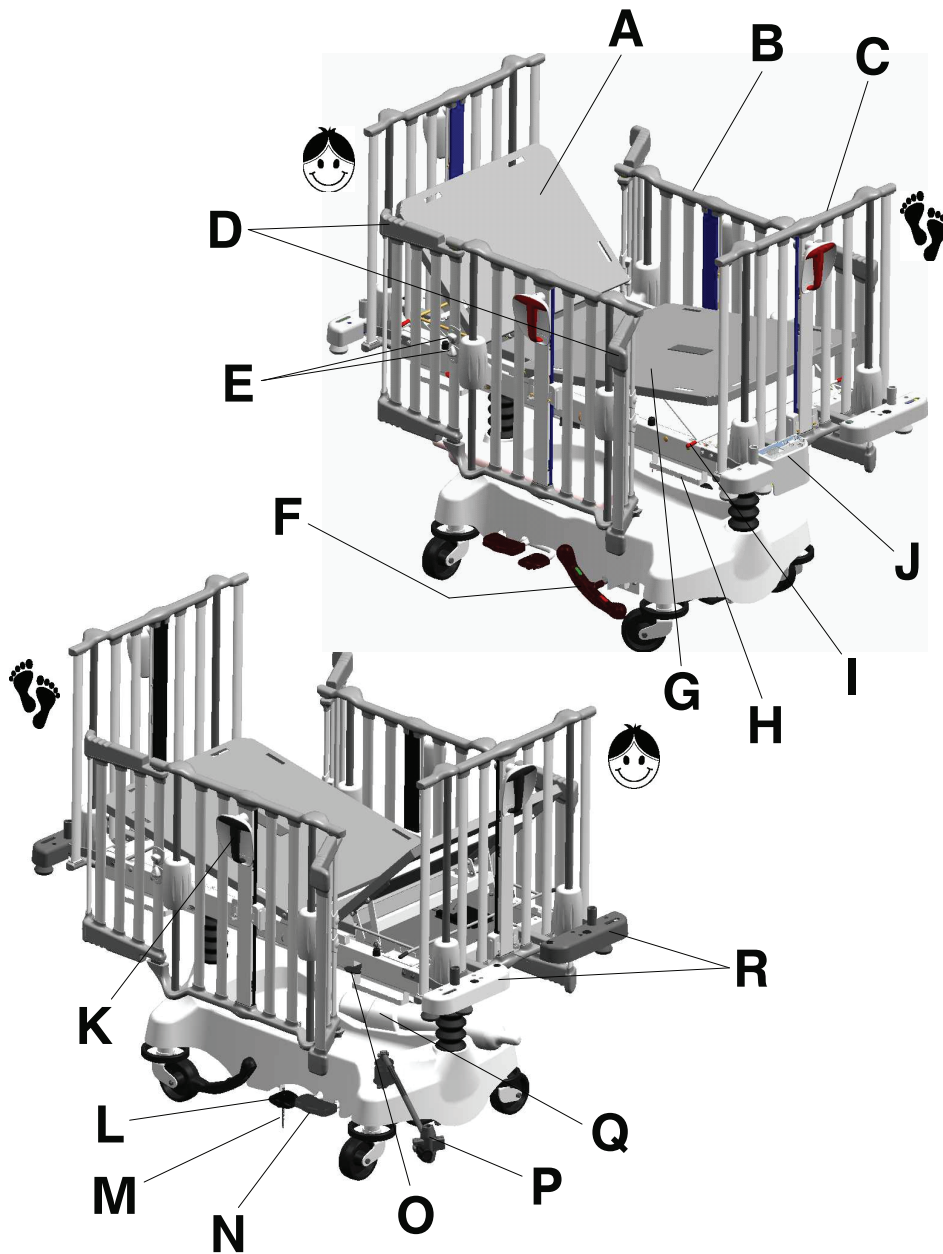


Figure 1 – Product illustration

| | | | |
|---|------------------------------------|---|---|
| A | Fowler | J | Scale module (option) |
| B | Siderail | K | Siderail activation handle |
| C | Endrail | L | Litter lift pedal |
| D | Access door (option) | M | Ground chain |
| E | Access door release knobs (option) | N | Uni-lower pedal |
| F | Brake/steer pedal (option) | O | Pneumatic head section activation lever |
| G | Foot section | P | IV caddy arm (option) |
| H | Drainage bag hook | Q | Oxygen bottle retaining collar (option) |
| I | Foot section support arm | R | Premium accessory brackets (option) |

Contact information

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

Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

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

You can find the serial number (A) on the right foot end of the litter frame (Figure 2).

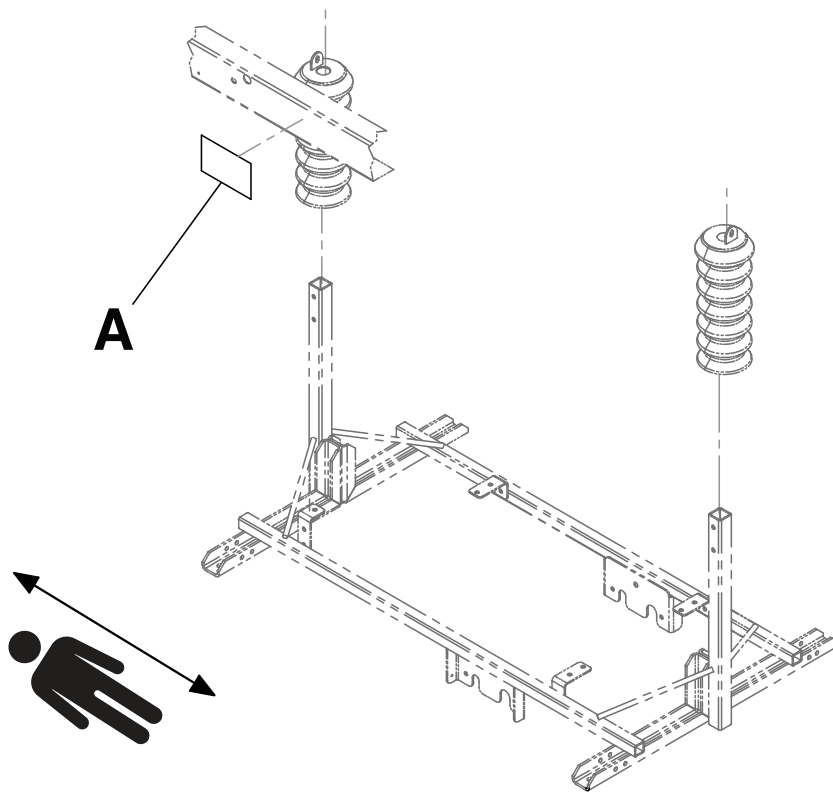


Figure 2 – Serial number location

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 set up 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 you put the product into service.

1. Apply the brake. Push on the product to make sure that all four casters are locked.
2. Release the brake. Push on the product to make sure that all four casters are unlocked.
3. Raise and lower the litter with the hydraulic lift system.
4. Raise the product to the highest position and put the product in the Trendelenburg position. Make sure that the head end lowers to the full down position.
5. Raise the product to the highest position and put the product in the Reverse Trendelenburg position. Make sure that the foot end lowers to the full down position.
6. Apply the fifth wheel (option) and make sure that it guides and pivots the product.
7. Make sure that the access doors (option) open, close, and lock.
8. Make sure that the side/endrails raise, lower, and lock in the 9 in. (option), 14 in., and upper position.
9. Raise and lower the manual Fowler backrest (head section).
10. Raise and lower the manual foot section.

Operation

Base controls

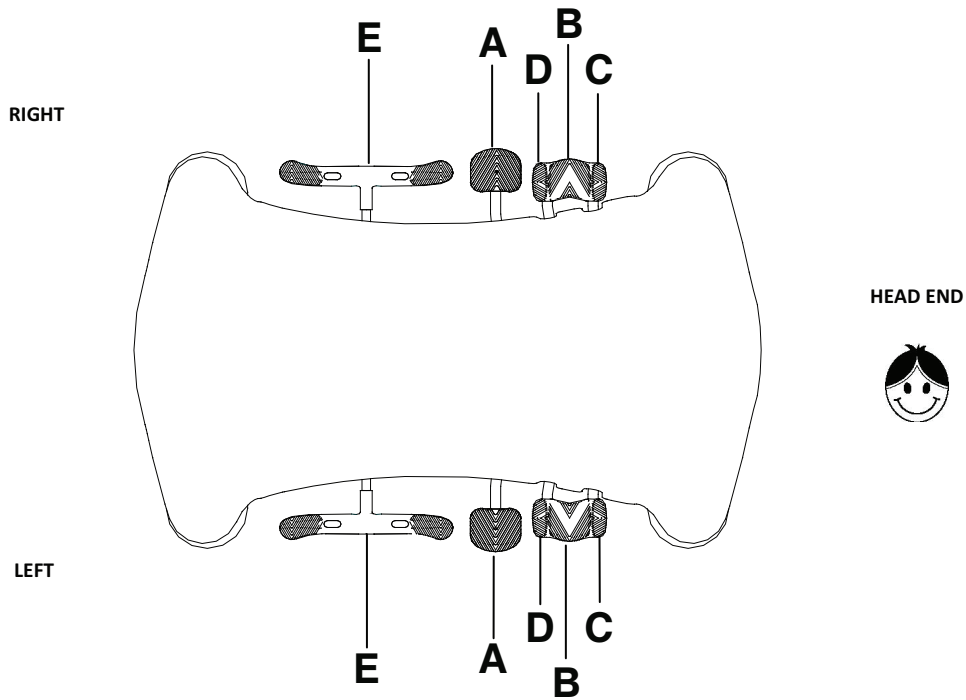


Figure 3 – Base controls

| | | |
|---|--|---|
| A | | Pump to raise the litter |
| B | | Lowers both ends of the product together |
| C | | Places the product in the Trendelenburg position (head down, foot up) |
| D | | Places the product in the Reverse Trendelenburg position (head up, foot down) |
| E | | Brake and steer functions |

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 (E) (*Base controls* (page 11)). 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 (E) (*Base controls* (page 11)).

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.
 - Do not move the crib sideways with the fifth wheel applied.
-

To transport a patient with the retractable fifth wheel:

1. Push down on the steer side of the brake/steer pedal (E) to apply the fifth wheel (*Base controls* (page 11)).
2. Put the pedal in the neutral position to move the product laterally. Move the product to the desired location.
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.

Raising the litter

WARNING

- Always position the patient in the center of the product.
 - Always put the product in the lowest position with the siderails up and latched and access doors closed and locked 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.
-

To raise the litter, press down on the pump pedal (A) until you achieve the desired height (*Base controls* (page 11)).

Lowering the litter

WARNING

- Always position the patient in the center of the product.
 - Always put the product in the lowest position with the siderails up and latched and access doors closed and locked 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.
-

To lower the entire litter, press down on the center of the uni-lower pedal (B) (*Base controls* (page 11)).

To lower the head end of the litter, press down on the side of the uni-lower pedal (C) closest to the head end of the product (*Base controls* (page 11)).

To lower the foot end of the litter, press down on the side of the uni-lower pedal (D) closest to the foot end of the product (*Base controls* (page 11)).

Positioning the product in Trendelenburg

WARNING

- Always put the siderails up and latched when you put the product in a Trendelenburg position.
 - Always remove any devices that may be in the way before you raise or lower the litter.
-

To position the product in the Trendelenburg position (head down), Raise the litter to the highest height (*Raising the litter* (page 12)).

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

To lower the head end of the product, push down on the side of the uni-lower pedal (C) closest to the head end (*Base controls* (page 11)).

To lower the product from Trendelenburg position, push down on the center of the uni-lower pedal (B) until the litter is flat (*Base controls* (page 11)).

Positioning the product in Reverse Trendelenburg

WARNING

- Always put the siderails up and latched when you put the product in a Trendelenburg position.
 - Always remove any devices that may be in the way before you raise or lower the litter.
-

To position the product in the Reverse Trendelenburg position (foot down), raise the litter to the highest height (*Raising the litter* (page 12)).

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

To lower the foot end of the product, push down on the side of the uni-lower pedal (D) closest to the foot end (*Base controls* (page 11)).

To lower the product from Reverse Trendelenburg position, push down on the center of the uni-lower pedal (B) until the litter is flat (*Base controls* (page 11)).

Raising or lowering the manual Fowler backrest

WARNING

- Always position the patient in the center of the product.
 - Make sure that the support arm is secure in the arm supports before you release the Fowler or foot section.
-

To raise the Fowler backrest, lift up the Fowler backrest (A) until the support arm is secure in the desired position (25°, 40°, and 55°) (*Product illustration* (page 8)).

To lower the Fowler backrest, lift up the Fowler backrest (A) to release the support arm and lower the Fowler backrest down to the desired position (0°, 25°, 40°, and 55°) (*Product illustration* (page 8)).

Raising or lowering the pneumatic Fowler backrest

WARNING - Always position the patient in the center of the product.

To raise the Fowler backrest, lift up the head section activation lever (O), raise the Fowler backrest (A) to the desired position (0° - 50°), and release the activation lever (*Product illustration* (page 8)).

To lower the Fowler backrest, lift up the head section activation lever (O), push down on the Fowler backrest (A) to the desired position (0° - 50°), and release the activation lever (*Product illustration* (page 8)).

Raising or lowering the foot section

WARNING

- Always position the patient in the center of the product.
 - Make sure that the support arm is secure in the arm supports before you release the Fowler or foot section.
-

To raise the foot section, lift up the foot section (G) until the support arm (I) is secure in the desired position (6° and 12°) (*Product illustration* (page 8)).

To lower the foot section, lift up the foot section (G) to release the support arm (I) and lower the foot section down to the desired position (0°, 6°, and 12°) (*Product illustration* (page 8)).

Raising the siderail

WARNING

- Always put the product in the lowest position with the siderails up and latched and access doors closed and locked 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 horizontal and in the lowest position when you transport a patient.
 - Always keep operator and patient limbs away from the siderails when you raise or lower the siderail.
-

To raise the siderail/endlrail:

1. Use two hands to grasp the siderail.
2. Lift the siderail until the siderail is secure in the desired position (9 in., 14 in., and 26 in.).
3. Pull on the siderail to make sure that the siderail is latched and the arrow pointers (A) are aligned (Figure 4).

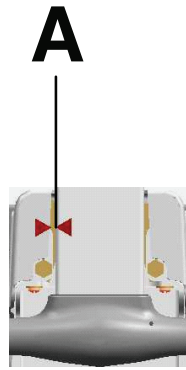


Figure 4 – Siderail arrow pointers

Lowering the siderail

WARNING

- Always put the product in the lowest position with the siderails up and latched and access doors closed and locked 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 horizontal and in the lowest position when you transport a patient.
- Always keep operator and patient limbs away from the siderails when you raise or lower the siderail.

To lower the siderail/endlrail:

1. Grasp the siderail activation handle (B), press the activation trigger, and turn the handle left or right (Figure 5).

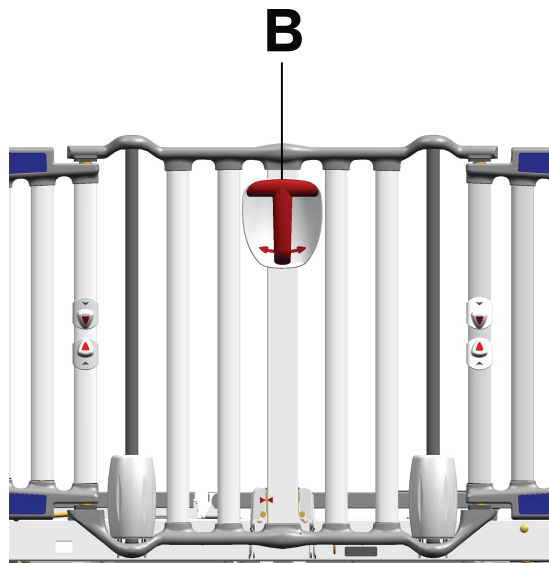


Figure 5 – Siderail activation handle

2. Lower the siderail until the siderail is at the desired position (9 in., 14 in., and 26 in.) and release the siderail activation handle.

Note

- Siderails automatically stop at the 9 in. position while lowering the siderail.
 - The double safety lock at the 9 in. position may not be present on all products.
3. Pull on the siderail to make sure that the siderail is latched and the arrow pointers (A) are aligned (Figure 4).

Opening the access doors (option)

To open the access doors:

1. Squeeze the release knobs (A) to release the access door (Figure 6).

Note - The open/close indicators (B) will show yellow when the door is released from the lock (Figure 7).

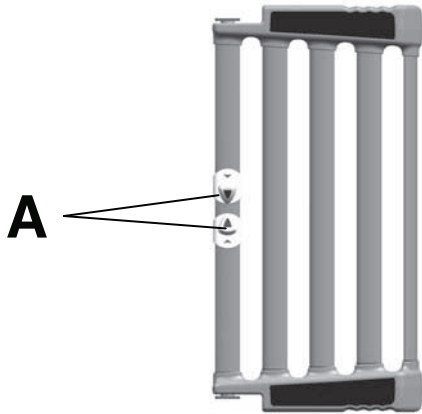


Figure 6 – Access door

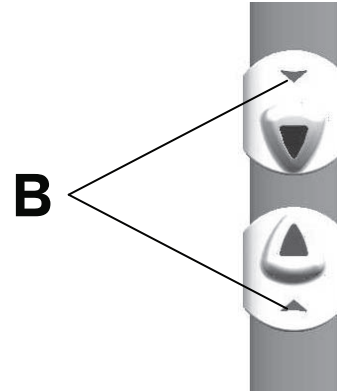


Figure 7 – Open/close indicators

Closing the access doors (option)

WARNING - Always make sure that the open/close indicators show green when the door is closed.

To close the access doors:

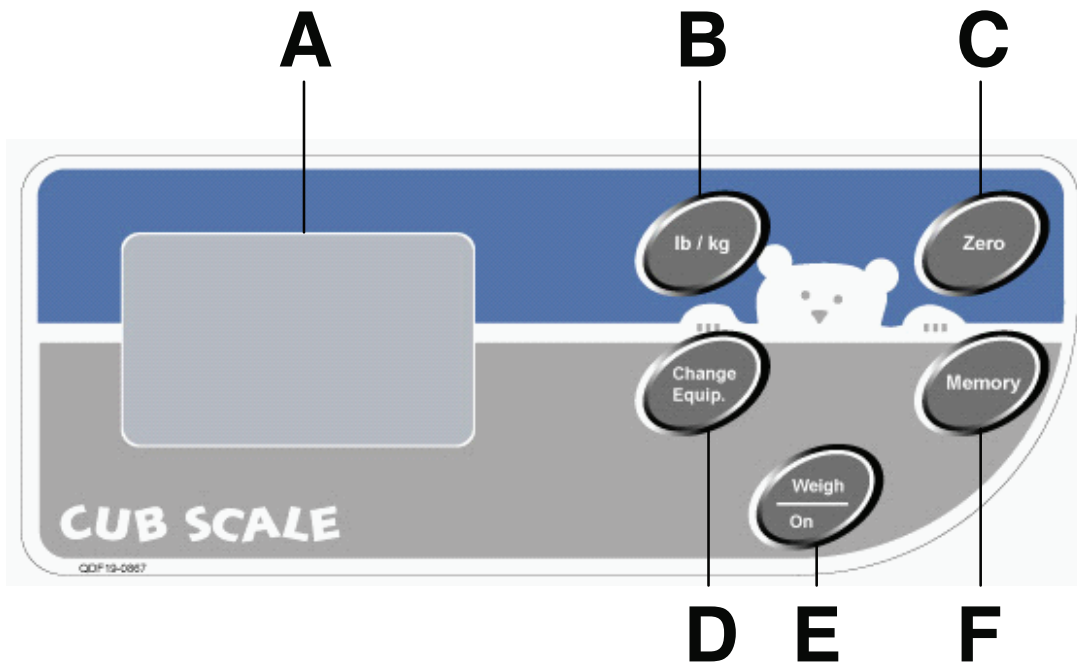
1. Return the door to the closed position.

Note - The open/close indicators (B) will show green when the door is locked in the closed position (Figure 7).

Scale control panel (option)

CAUTION

- Do not lean on the bracket of the scale module.
 - Do not use a foot end fixed IV pole on a product with the scale option.
-



| | | |
|---|------------------|---|
| A | Display | Displays patient weight or error messages |
| B | lb / kg | Changes the unit of measurement |
| C | Zero | Sets the scale to zero and erases the previous memory |
| D | Change equipment | Add or remove equipment without affecting patient weight |
| E | Weigh/on | Activates the scale |
| F | Memory | Store the most recent patient weighing or display the stored weight |

Weighing a patient


CAUTION

- Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.
- Zero the scale at least once a week to maintain scale accuracy.

To weigh a patient:

1. Press and release the **Weigh/on** button (E) (see *Scale control panel (option)* (page 16)) to turn the scale on. Three dashes will flash on the display for about 10 seconds followed by a weight reading.
2. Press and hold the **Zero** button (C) (see *Scale control panel (option)* (page 16)) for about two seconds.

Note - Patient must be moved from product to zero the scale.
3. Release the **Zero** button and wait for a zero weight to display.
4. Place the patient on the product and press and release the **Weigh/on** button. Three dashes will flash on the display for about 10 seconds followed by the patient weight.

Note - The (() icon may display when using the scale and indicates the product is unstable and unable to weigh. Stabilize the product and repeat the process.

Setting the scale memory

To set the scale memory:

1. Press and release the **Weigh/on** button (E) (see *Scale control panel (option)* (page 16)) to turn the scale on. Three dashes will flash on the display for about 10 seconds followed by a weight reading.
2. Press and hold the **Memory** button (F) (see *Scale control panel (option)* (page 16)).
3. Release the **Memory** button when **Memory** appears on the display.

To display the stored weight, press the **Weigh/on** button and immediately press the **Memory** button. Press the **Weigh/on** button again to leave **Memory** mode.

Zeroing the scale

CAUTION - Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.

To zero the scale:

1. Press and release the **Weigh/on** button (E) (see *Scale control panel (option)* (page 16)) to turn the scale on.
2. Press and hold the **Zero** button (C) (see *Scale control panel (option)* (page 16)) for about two seconds.

Note - To zero the memory only, press and hold the **Zero** button and **Memory** button at the same time for about two seconds.

Changing equipment

To add or remove equipment:

1. Press and release the **Weigh/on** button (E) (see *Scale control panel (option)* (page 16)) to turn the scale on. Three dashes will flash on the display for about 10 seconds followed by a weight reading.
2. Press and release the **Change Equip.** button (D) (see *Scale control panel (option)* (page 16)), the **Change Equipment** message will appear on the display after about 10 seconds.
3. Add or remove equipment or devices from the product.
4. Press and release the **Change Equip.** button.

Note - If the procedure takes longer than three minutes, the scale will shut off and the steps will need to be repeated.

Changing the scale units

To change the scale units:


1. Press and release the **Weigh/on** button (E) (see *Scale control panel (option)* (page 16)) to turn the scale on. Three dashes will flash on the display for about 10 seconds followed by a weight reading.
2. Press and release the **lb / kg** button (B) (see *Scale control panel (option)* (page 16)) to change the scale units between pounds (lb) and kilograms (kg).

Note - Press and hold the **lb / kg** button and **Memory** button at the same time for about two seconds to deactivate the lb/kg function. Repeat the process to reactivate the lb/kg function.

Replacing the scale batteries (scale option)

CAUTION

- Always use 1.5 VDC alkaline batteries.
 - Remove the batteries from the product during long periods of disuse.
-

The  icon will display when the scale batteries need to be replaced.

Tools required:

- #2 Phillips screwdriver

To change the scale batteries:

1. Use a #2 Phillips screwdriver to remove the 2 screws (A) that secure the battery cover (B) to the enclosure (Figure 8).

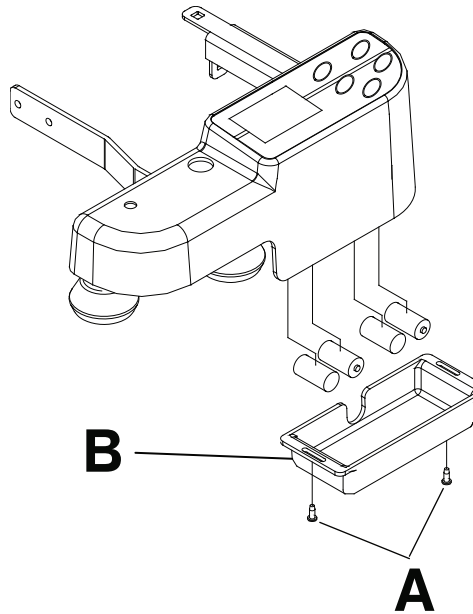


Figure 8 – Battery replacement

2. Discard the batteries.
3. Reverse steps to reinstall.
4. Zero the scale (see Zeroing the scale in the operations manual) before returning the product to service.

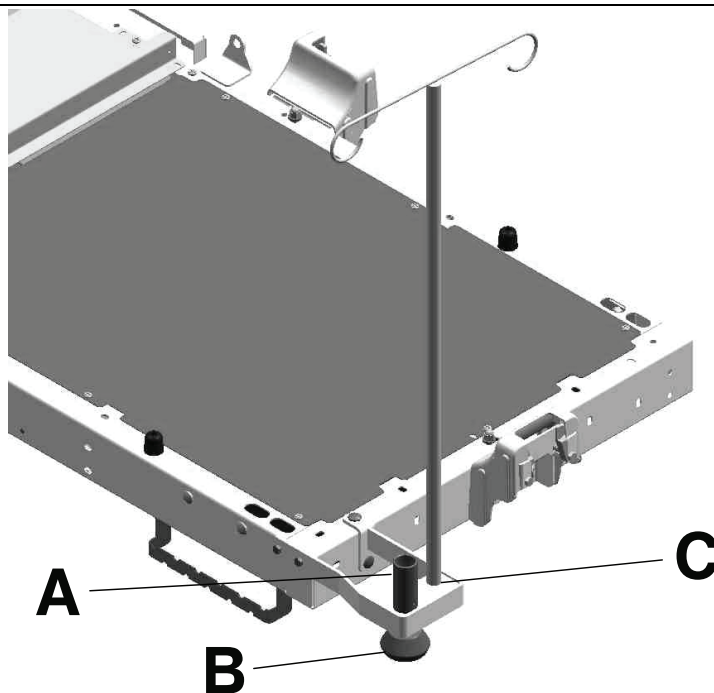
Accessories

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.

| Name | Part number |
|-------------------------------|--------------|
| Defibrillator tray | FA64102 |
| IV caddy | 80-5013W-BIL |
| IV pole, removable | FA64135 |
| IV pole, removable | FDTSH |
| Oxygen bottle holder, upright | FA64086 |
| Protective top, retracting | FA64074-BIL |
| Protective top, with supports | FA64183-BIL |

Standard accessory bracket

CAUTION - Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.

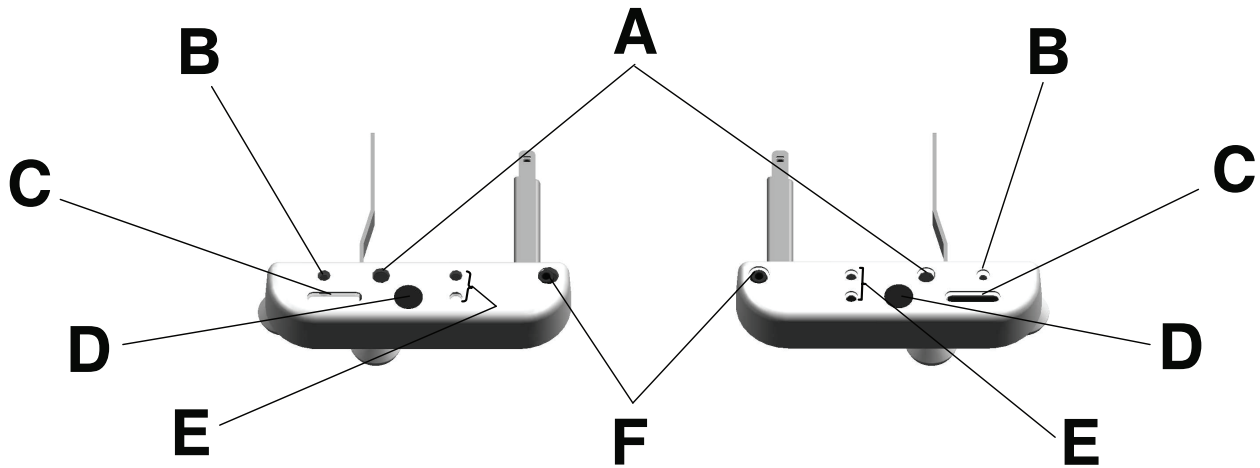


| | |
|---|---|
| A | Protective top mounting socket |
| B | Rubber bumper |
| C | Accessory socket Note - Not compatible with defibrillator tray (FA64102) or removable IV pole (FA64135) |

Note - Accessory brackets are located at each corner of the product.

Premium accessory bracket (option)

CAUTION - Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.



| | |
|---|--|
| A | Protective top mounting socket (requires set of four premium accessory brackets) |
| B | Upright oxygen bottle holder socket |
| C | Permanent IV pole hanger storage socket |
| D | Permanent IV pole socket |
| E | Removable IV pole socket |
| F | Accessory sockets |

Note

- Accessory brackets are located at each corner of the product.
- Premium accessory brackets are available in sets of two or four.

Securing the oxygen bottle into the retaining collar (option)

To secure the oxygen bottle:

1. Slide the oxygen bottle into the cutout of the base hood (A), bottom first (Figure 9).

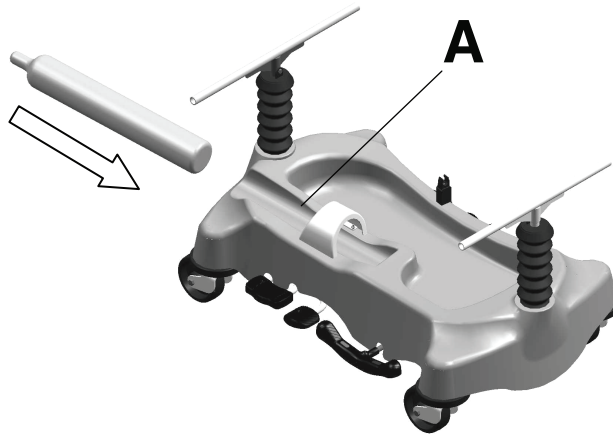


Figure 9 – Oxygen bottle retaining collar

Attaching the upright oxygen bottle holder

CAUTION - Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.

To attach the upright oxygen bottle holder (Figure 10):

1. Remove the lock pin (A) from the holder rod (B).
2. Insert the holder rod (B) into a socket at the head end or foot end of the product.
3. Insert the lock pin (A) into the holder rod (B).

Note

- Make sure that the chain hangs in front of the accessory bracket to prevent the patient from reaching the chain.
- The upright oxygen bottle holder has a safe working load of 75 lb (34 kg).
- The upright oxygen bottle holder is compatible with 4 in. diameter bottles.

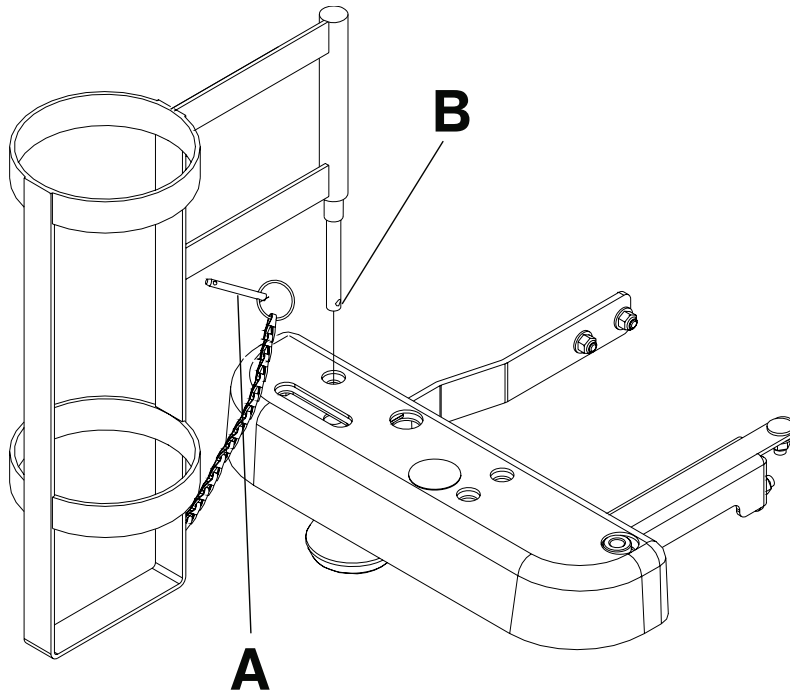


Figure 10 – Upright oxygen bottle holder

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.

To attach the defibrillator tray:

1. Insert the defibrillator tray pins into the sockets of the premium accessory brackets at the head or 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.

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 11):

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.

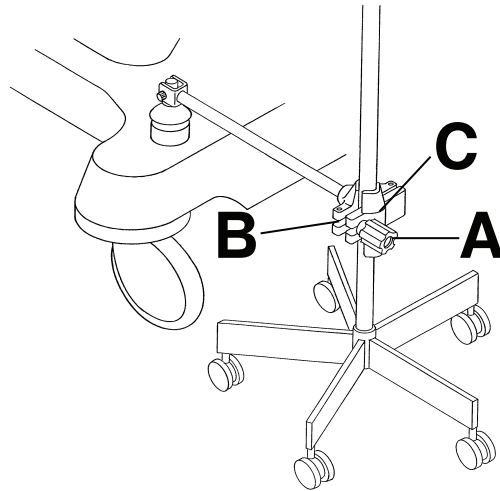


Figure 11 – IV caddy

Positioning the two-stage permanently attached IV pole (option)

WARNING

- Make sure that the IV pole is positioned correctly so that the patient cannot reach or manipulate the IV pole.
 - Do not use the IV pole as a push/pull device. Product damage may occur.
-

CAUTION

- Do not use a foot end fixed IV pole on a product with the scale option.
 - Do not load the IV pole above the safe working load of 40 lb (18 kg).
 - Do not load an IV pole hook above the safe working load of 11 lb (5 kg).
-

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 12):

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 - Always make sure that the IV pole is at a low height to pass safely through door openings when you transport a patient.

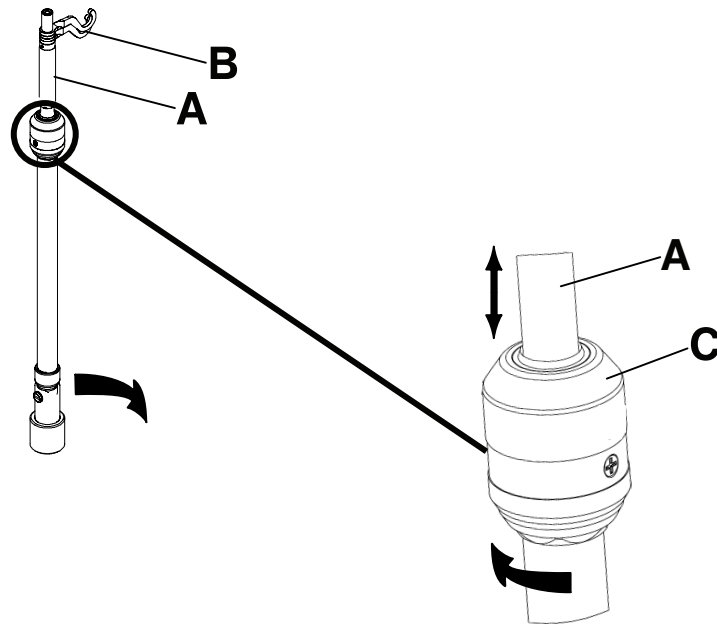


Figure 12 – Positioning the 2 stage permanently attached IV pole

Positioning the three-stage permanently attached IV pole (option)

WARNING

- Make sure that the IV pole is positioned correctly so that the patient cannot reach or manipulate the IV pole.
 - Do not use the IV pole as a push/pull device. Product damage may occur.
-

CAUTION

- Do not use a foot end fixed IV pole on a product with the scale option.
 - Do not load the IV pole above the safe working load of 40 lb (18 kg).
 - Do not load an IV pole hook above the safe working load of 11 lb (5 kg).
-

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 13):

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 - 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.

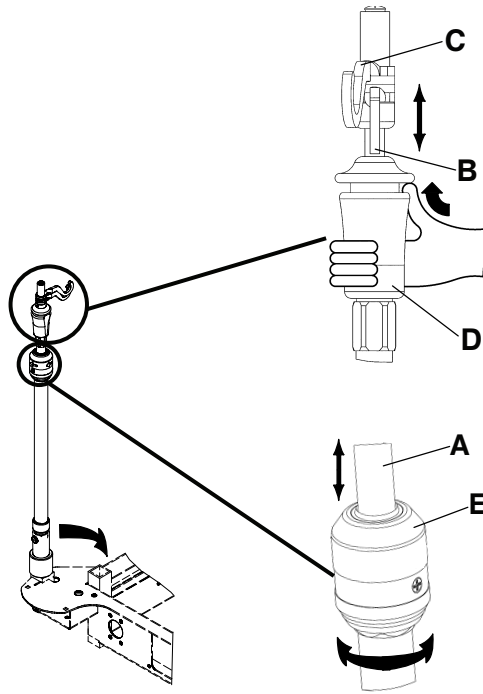


Figure 13 – Positioning the three-stage permanently attached IV pole

Attaching and positioning the removable IV pole (FA64135)

For use with the premium accessory bracket, not compatible with the standard accessory bracket.

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

CAUTION

- Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.
 - Do not load the IV pole above the safe working load of 40 lb (18 kg).
-

To attach and position the removable IV pole (Figure 14):

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 - Always make sure that the IV pole is at a low height to pass through door openings when you transport a patient.

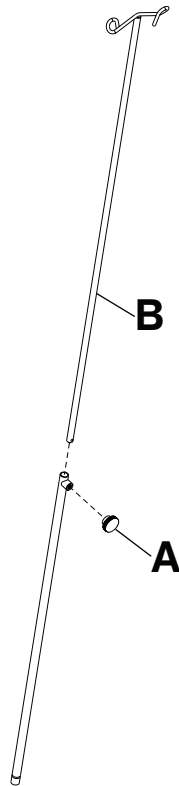


Figure 14 – Removable IV pole

Attaching and positioning the removable IV pole (FDTSH)

WARNING

- Do not use the IV pole as a push/pull device. Product damage may occur.
 - For removable IV pole FDTSH, do not hang IV bags that exceed 11 lb (5 kg).
-

CAUTION - Always make sure external equipment is removed from product litter when zeroing the scale or weighing the patient.

To attach and position the removable IV pole:

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

Note - Always make sure that the IV pole is at a low height to pass through door openings when you transport a patient.

Chart holder / monitor holder (option)

The chart (2 1/2 in. high) or monitor (4 1/2 in. high) holder is located under the litter on either the patient left, patient right, or both sides (Figure 15).

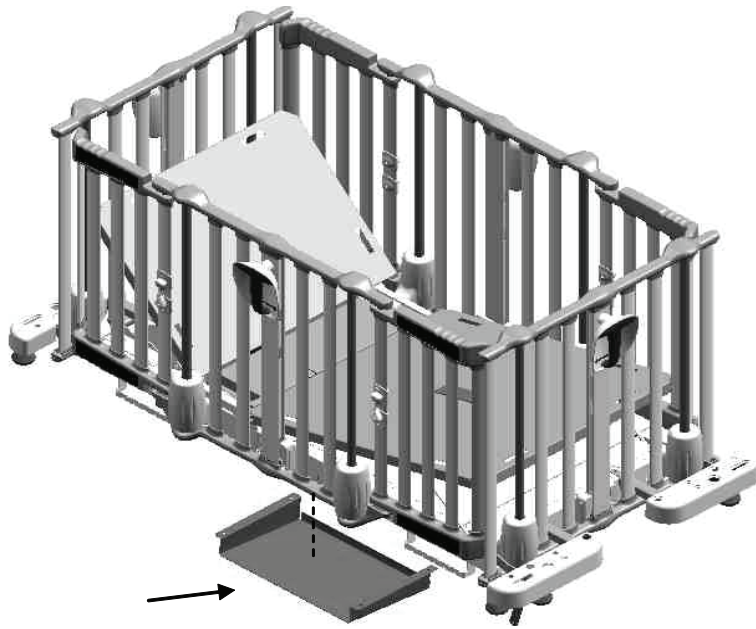


Figure 15 – Chart holder / monitor holder

Installing the retracting protective top

WARNING

- Patient must be moved from product before installing a protective top.
 - On a product with scale, make sure that the scale is turned off before installing a protective top.
 - Make sure that the protective top is secure and functions before returning the product to service.
-

Tools Required:

- 9/16 in. wrench

Note - This procedure requires two people to complete

1. Press the lock pin located on the top section of each post (A) and insert the post into the slot of the plastic structure (B) (Figure 16). Repeat for the other posts.

Note - Make sure that the post is secure by checking that the lock pin is in the slot on the outside of the plastic structure.

2. Install the four posts in the accessory bracket sockets (C) (Figure 16).
3. Using a 9/16 in. wrench, lock the posts in the accessory bracket sockets with the four hitch pins (D) (Figure 16).

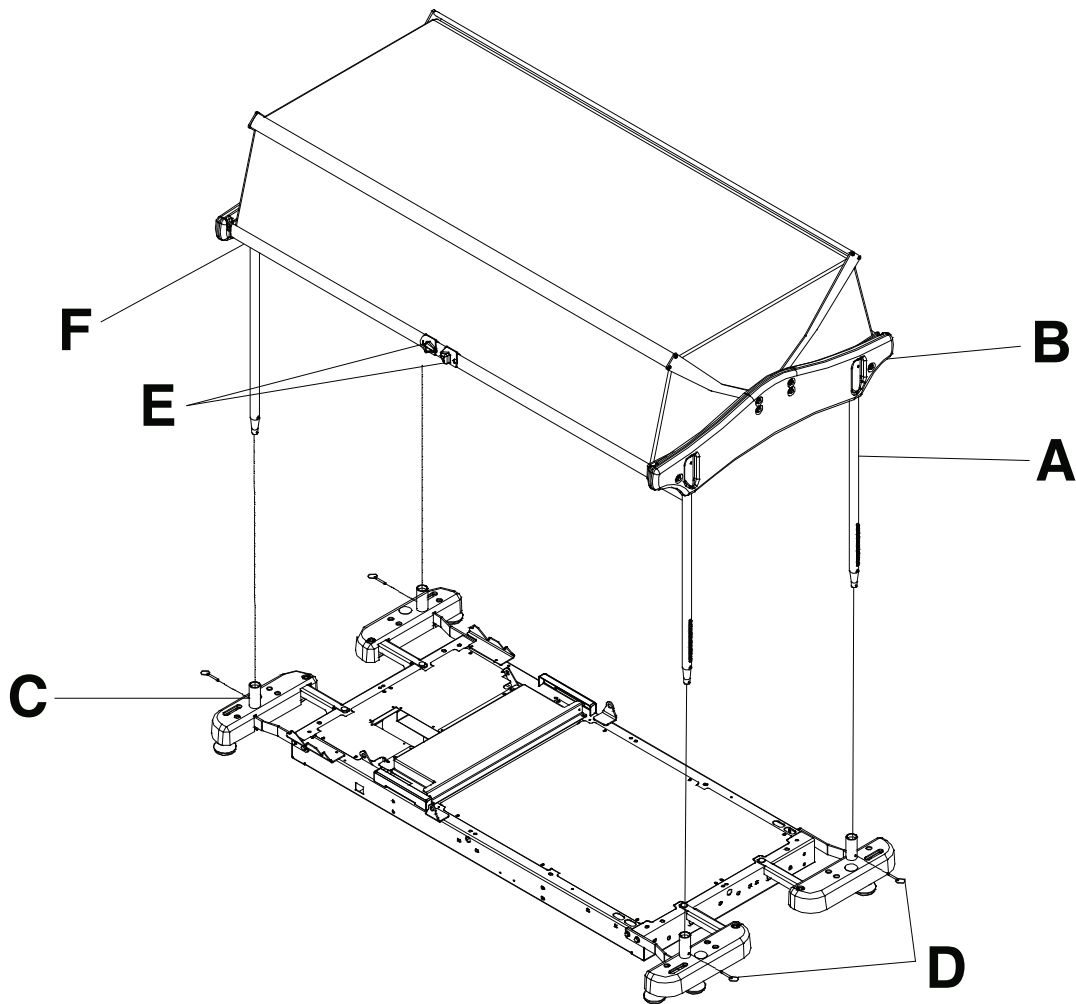


Figure 16 – Retracting protective top

Positioning the retracting protective top

WARNING

- Always make sure that both lower rails are in the locked position before leaving a patient unattended.
- Always make sure that you use the center of the lower rail to close the protective top.

CAUTION - Do not use the protective top as a push/pull device. Product damage may occur.

To position the retracting protective top:

1. To open the protective top, squeeze the two release knobs (E) and lift the lower rail (F) to the desired position (Figure 16).
2. To close the protective top, grasp the lower rail (F) and lower it until it locks into position (Figure 16).

Note - Make sure that the lower rail spring plungers are secure in the slot of the plastic structures (B).

Installing the protective top with supports

WARNING

- Patient must be moved from product before installing a protective top.

- On a product with scale, make sure that the scale is turned off before installing a protective top.
 - Make sure that the protective top is secure and functions before returning the product to service.
-

Tools Required:

- 9/16 in. wrench

Note - This procedure requires two people to complete

1. Press the lock pin located on the top section of each post (A) and insert the post into the slot of the plastic structure (B) (Figure 17). Repeat for the other posts.

Note - Make sure that the post is secure by checking that the lock pin is in the slot on the outside of the plastic structure.

2. Install the four posts in the accessory bracket sockets (C) (Figure 17).
3. Using a 9/16 in. wrench, lock the posts in the accessory bracket sockets with the four hitch pins (D) (Figure 17).

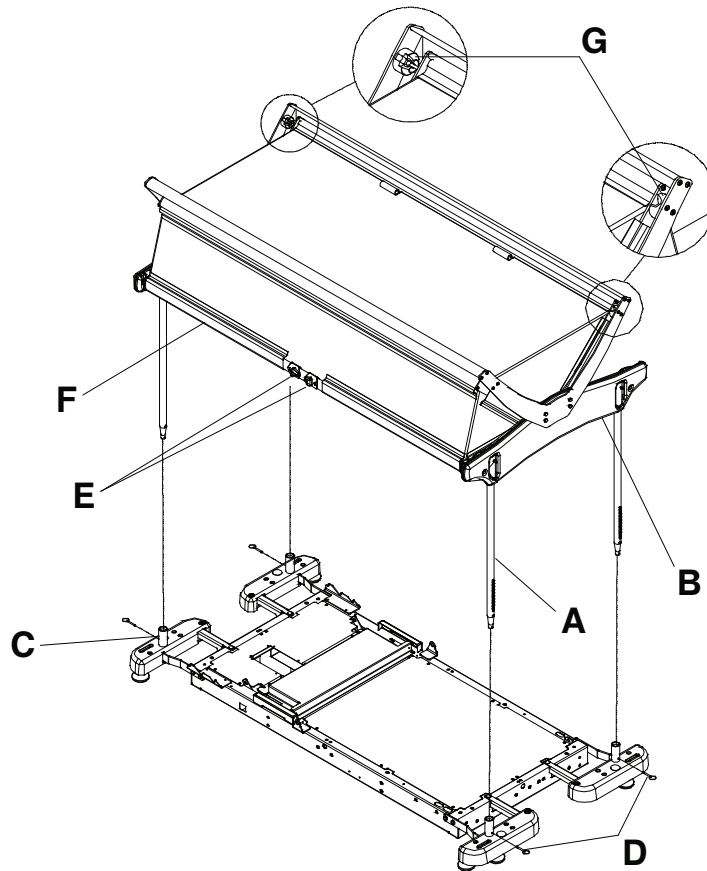


Figure 17 – Protective top with supports

Positioning the protective top with supports

WARNING

- Always make sure that both lower rails are in the locked position before leaving a patient unattended.
 - Always make sure that you use the center of the lower rail to close the protective top.
-

CAUTION - Do not use the protective top as a push/pull device. Product damage may occur.

To position the retracting protective top:

1. To partially open the protective top, squeeze the two release knobs (E) and lift the lower rail (F) until the anchor points are passed (G) (Figure 17). Release the knobs and lower the rail until it rests on the anchor points.

Note - Make sure that the lower rail ends are secure in the anchor points by trying to lower the rail without squeezing the release knobs.

2. To completely open the protective top, squeeze the two release knobs (E) and lift the lower rail (F) to the maximum height and release the knobs (Figure 17).
3. To close a partially open protective top, lift the lower rail (F) from the anchor points (G) and squeeze the two release knobs (E) while lowering the rail to the closed position (Figure 17). Release the knobs.
4. To close a completely open protective top, squeeze the two release knobs (E) and lower the lower rail (F) to the closed position (Figure 17). Release the knobs.

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
- _____ Casters lock with brake pedal applied
- _____ Casters are secure and swivel
- _____ Casters are free of wax and debris
- _____ Brake mechanism works
- _____ Steer function works
- _____ Check skins for cracks
- _____ Fowler raises, lowers, and latches in place
- _____ Trendelenburg/Reverse Trendelenburg operates
- _____ Hydraulic jacks are holding
- _____ No leaks at hydraulic connections
- _____ Hydraulic jack oil level sufficient (see maintenance manual)
- _____ Lubricate where required (see maintenance manual)
- _____ IV pole is intact and adjusts and latches in all positions (optional)
- _____ Oxygen bottle holder is intact (optional)
- _____ No rips or cracks in the mattress cover
- _____ Accessories and mounting hardware are in good condition
- _____ Display housing is intact and not damaged (optional scale system)
- _____ Load cells are intact and not damaged (optional scale system)
- _____ Calibrate scale (optional scale system)
- _____ Replace siderail assist cable every five years
- _____ Replace siderail central column spring every four years
- _____ Side/endrail handle triggers and rotates
- _____ Side/endrails raise, lower, and lock in the 9 in., 14 in., and 26 in. position
- _____ Side/endrails stop at the 9 in. position when lowered (optional)
- _____ Access doors open, close, and lock (optional)
- _____ Foot prop intact and operable
- _____ Foley bag hooks intact
- _____ No rips or cracks in mattress cover
- _____ Ground chain is clean, intact, and has at least two links touching the floor

| |
|------------------------|
| Product serial number: |
| Completed by: |
| Date: |

Cleaning and disinfecting with wipes

For United States only. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

Stryker's preferred wipes (2060-000-001 6" x 10" or 2060-000-002 9" x 12") include the following active ingredients:

- n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride - 0.154%
- n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride - 0.154%
- Isopropanol - 21.000%

Non-active ingredient: Ethylene Glycol Monobutyl Ether – < 3%

Note - For safety information, read the product label.

To clean or disinfect the external product surface:

1. To clean, wipe external surfaces with a fresh, clean wipe to remove all visible soils. Repeat as necessary until the product is clean.

Note

- Use as many wipes as necessary.
 - Complete step 1 before you disinfect.
2. To disinfect, wipe external surfaces with a fresh, clean wipe until wet. Allow the external surface to remain wet for two minutes at room temperature.
 3. Allow the product to dry before you return it to service.

Cleaning

CAUTION

- Do not clean, disinfect, service, or perform maintenance while the product is in use.
 - Always clean **Velcro**® after each use. Saturate **Velcro** with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon **Velcro** should be determined by the hospital.
-

To remove undesirable build-up before disinfecting between uses:

1. Hand wash all surfaces on the product with a mild detergent using spray or pre-soaked wipes.
2. Clean all exposed surfaces.
3. Follow the cleaning solution manufacturer's instructions for appropriate contact time and rinsing requirements.
4. Dry the product thoroughly before returning the product to service.

Avoid over saturation. Do not allow the product to remain wet.

Disinfecting

CAUTION

- Do not clean, disinfect, service, or perform maintenance while the product is in use.
 - Always wipe down with clean water and dry each product after disinfecting. Some disinfectants are corrosive in nature and may cause damage to the product. If you do not rinse and dry the product, you may leave a corrosive residue on the surface of the product. This corrosive residue could cause premature degradation of critical components. Failure to follow these disinfecting instructions may void your warranty.
 - Always clean **Velcro**® after each use. Saturate **Velcro** with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon **Velcro** should be determined by the hospital.
 - Do not use quaternary disinfectants formulated with glycol ethers.
 - **Virex**® TB is not an approved cleaning agent for this product. Do not use for crib cleaning.
-

The recommended disinfectants for this product's surfaces include the following:

- Quaternary (active ingredient - ammonium chloride) that contain less than 3% glycol ether
- Phenolic (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% - less than 1 part bleach to 100 parts water)
- 70% isopropyl alcohol

To wipe down the product with disinfectant between uses:

1. Follow the manufacturer's dilution recommendations exactly.
2. Apply the recommended disinfectant solution by spray or pre-soaked wipes.
3. Hand wash all surfaces of the product with the recommended disinfectant.
4. Disinfect all exposed surfaces.
5. Follow the disinfecting solution manufacturer's instructions for appropriate contact time and rinsing requirements.
6. Dry the product thoroughly before returning the product to service.

Avoid over saturation. Do not allow the product to remain wet.

Follow the manufacturer's dilution recommendations for appropriate contact time and rinsing requirements. Follow the chemical manufacturer's guidelines for proper disinfecting.

stryker



Manufactured By:
Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA