

## CUB® Pediatric Crib




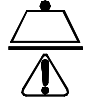









### Operations Manual

**REF** FL19H (1900)





# Symbols

	General Warning
	Caution
	Consult instructions for use
	Safe working load
	No pushing
	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
	Unique device identifier



# Table of Contents

Warning/Caution/Note Definition .....	2
Summary of safety precautions .....	2
Introduction .....	4
Product description .....	4
Indications for use .....	4
Contraindications .....	4
Expected service life .....	4
Specifications .....	4
Product illustration .....	6
Contact information .....	7
Serial number location .....	7
Setup .....	8
Operation .....	9
Base controls .....	9
Applying and releasing the brakes .....	10
Transporting a patient with the retractable fifth wheel .....	10
Raising the litter .....	10
Lowering the litter .....	11
Positioning the product in Trendelenburg .....	11
Positioning the product in reverse Trendelenburg .....	11
Raising or lowering the manual Fowler backrest .....	12
Raising or lowering the pneumatic Fowler backrest .....	12
Raising or lowering the foot section .....	12
Raising the siderail .....	12
Lowering the siderail .....	13
Opening the access doors option .....	14
Closing the access doors option .....	14
Scale control panel option .....	14
Weighing a patient .....	15
Setting the scale memory .....	16
Zeroing the scale .....	16
Changing equipment .....	16
Changing the scale units .....	16
Replacing the scale batteries .....	16
Accessories and parts .....	18
Standard accessory bracket .....	18
Premium accessory bracket option .....	19
Securing the oxygen bottle into the retaining collar option .....	19
Attaching the upright oxygen bottle holder .....	20
Attaching the defibrillator tray .....	21
Attaching the IV caddy .....	21
Positioning the two-stage permanently attached IV pole option .....	22
Positioning the three-stage permanently attached IV pole option .....	23
Attaching and positioning the removable IV pole (FA64135) .....	24
Attaching and positioning the removable IV pole (FDTSH) .....	25
Chart holder/monitor holder option .....	25
Attaching the retracting protective top .....	26
Positioning the retracting protective top .....	27
Attaching the protective top with supports .....	27
Positioning the protective top with supports .....	28
Preventive maintenance .....	30
Cleaning and disinfecting with SideKick® .....	31
Cleaning .....	32
Disinfecting .....	33

# 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 highest height position with the sleep surface flat and in the lowest position when you transport a patient.
  - Do not move the crib laterally 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 make sure the siderails are up and latched before you put the product in a Trendelenburg position.
  - Always make sure that the foot section support arm is secure in the arm supports before you release the Fowler or foot section.
  - 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.
  - Always make sure that the IV pole is positioned 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.
  - Do not hang IV bags that exceed 11 lb (5 kg) when you use the removable IV pole FDTSH.
  - Always remove the patient from the product before you install the protective top.
  - Always turn off the scale before you install the protective top.
  - Always secure the protective top and make sure the protective top extends and retracts before you return the product to service.
  - Always make sure to lock both lower rails before you leave a patient unattended.
  - Always 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 remove external equipment from the product litter when you zero the scale or weigh a patient.
  - Always zero the scale at least once a week to maintain scale accuracy.
  - Always use 1.5 VDC alkaline batteries.
  - Always 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.
  - Do not use **Virex®** TB when you clean the crib. **Virex®** TB is not an approved cleaning agent for this product.
-

# 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.


## Contraindications

None known.

## Expected service life

The **CUB** pediatric crib has a 10 year expected service life under normal use conditions and with appropriate periodic maintenance.

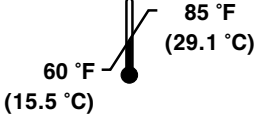
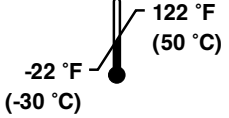
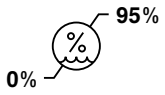
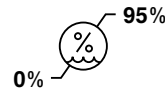
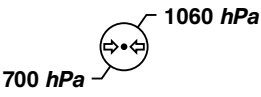
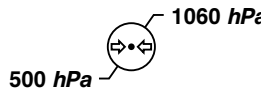
## Specifications

	Safe working load <b>Note:</b> 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 option, loads weighing up to:		4 lb to 100 lb	1.8 kg to 54.4 kg



Scale system accuracy option		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, scale option		Battery operated: 4 x C type, alkaline, 1.5 VDC	
Electrical requirements, 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

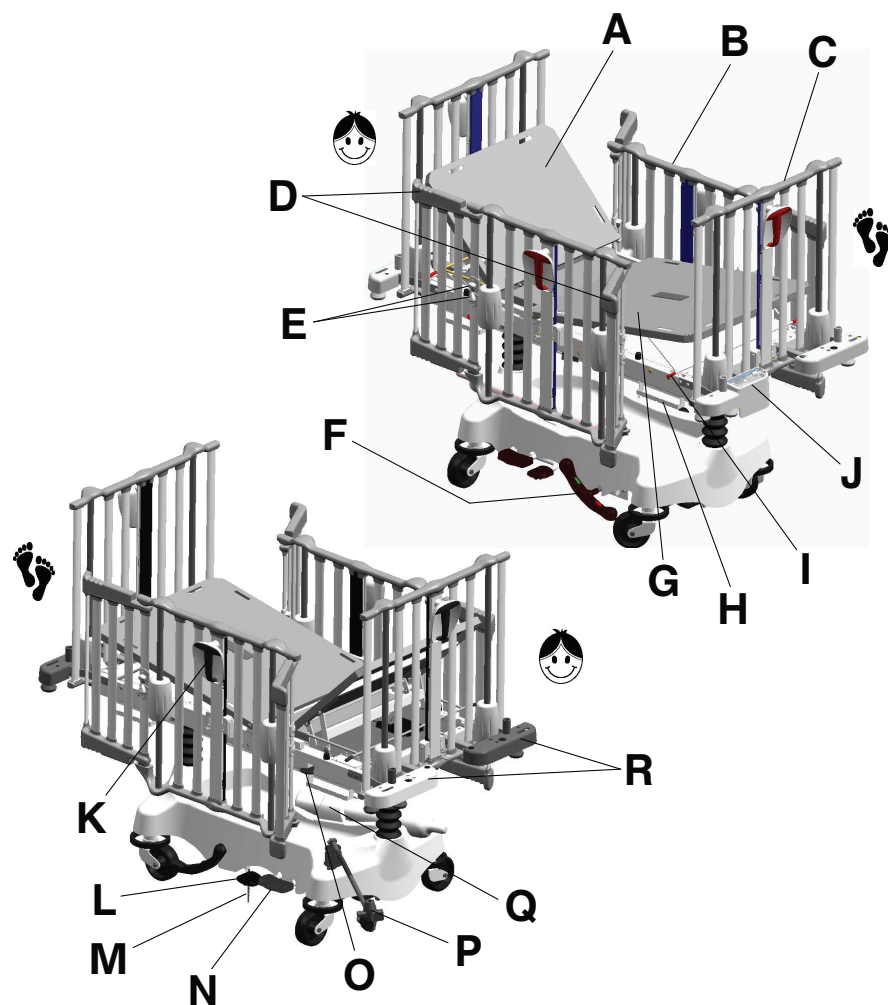


Figure 1 – Product illustration

A	Fowler backrest	J	Scale module option
B	Siderail	K	Siderail activation handle
C	Endrail	L	Pump 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).

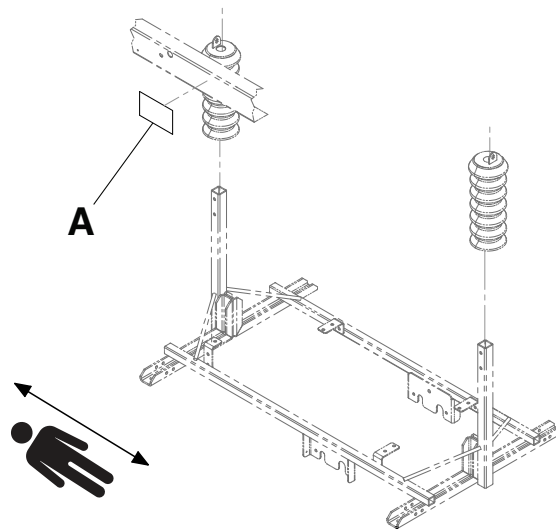


Figure 2 – Serial number location

# 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.
- 

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 height position and put the product in the Trendelenburg position. See *Positioning the product in Trendelenburg* (page 11).

**Note** - Make sure that the head end lowers to the full lowest height position.

5. Raise the product to the highest height position and put the product in the reverse Trendelenburg position. See *Positioning the product in reverse Trendelenburg* (page 11).

**Note** - Make sure that the foot end lowers to the lowest height 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 siderails and endrails raise, lower, and lock in each position: 9 in. (22.86cm), 14 in. (35.56cm), and 26 in. (66.04cm).
9. Raise and lower the manual Fowler backrest (head end section).
10. Raise and lower the manual foot section.
11. Verify proper operation before you put the product into service.

# Operation

## Base controls

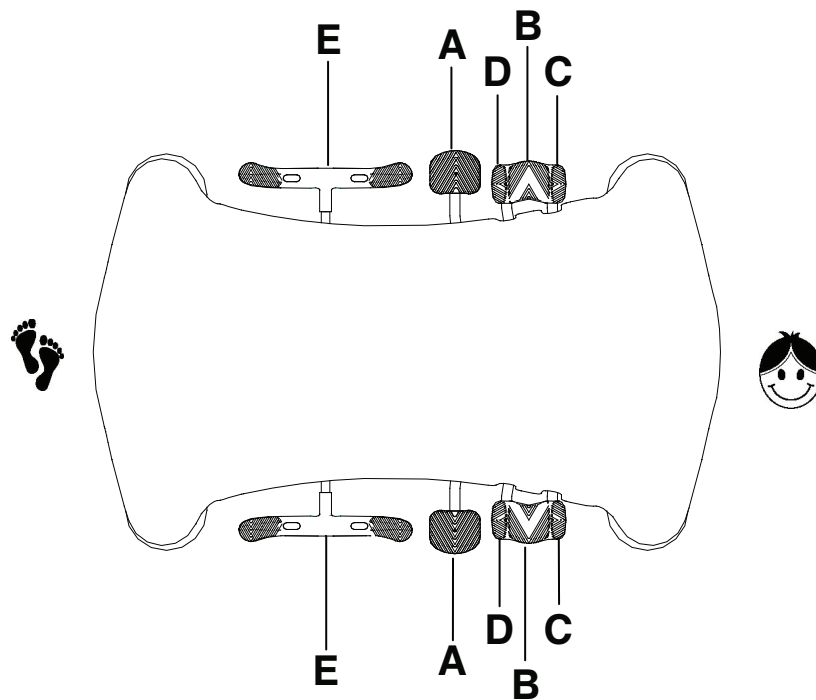


Figure 3 – Base controls

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. 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.

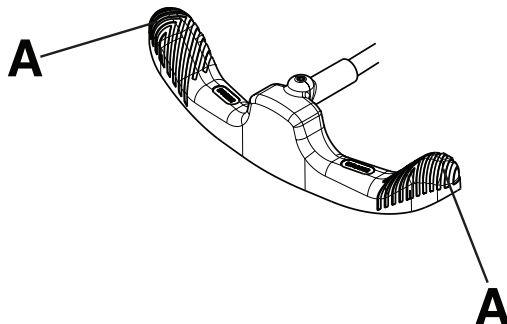


Figure 4 – Operating the brake/steer pedal

**Note** - Do not push down on the center of the brake/steer pedal. Always push down on the outer side (A) of the brake/steer pedal (Figure 4).

## 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 highest height position with the sleep surface flat and in the lowest position when you transport a patient.
- Do not move the crib laterally 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 9)).
2. Put the pedal in the neutral position to move the product laterally. Move the product to the desired location.
3. Push down on the brake side of the brake/steer pedal (E) to lock the product in place (*Base controls* (page 9)).

**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 9)).

## 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 9)).

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 9)).

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 9)).

## Positioning the product in Trendelenburg

---

### WARNING

- Always make sure the siderails are up and latched before 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. See *Raising the litter* (page 10).

**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 9)).

To lower the product from the Trendelenburg position, push down on the center of the uni-lower pedal (B) until the litter is flat (*Base controls* (page 9)).

## Positioning the product in reverse Trendelenburg

---

### WARNING

- Always make sure the siderails are up and latched before 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. See *Raising the litter* (page 10).

**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 9)).

To lower the product from the reverse Trendelenburg position, push down on the center of the uni-lower pedal (B) until the litter is flat (*Base controls* (page 9)).

## Raising or lowering the manual Fowler backrest

---

### WARNING

- Always position the patient in the center of the product.
  - Always make sure that the foot section 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 foot section support arm is secure in the desired position (25°, 40°, and 55°) (*Product illustration* (page 6)).

To lower the Fowler backrest, lift up the Fowler backrest (A) to release the foot section support arm and lower the Fowler backrest down to the desired position (0°, 25°, 40°, and 55°) (*Product illustration* (page 6)).

## 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 pneumatic head section activation lever (O), raise the Fowler backrest (A) to the desired position (0° - 50°), and release the pneumatic head section activation lever (*Product illustration* (page 6)).

To lower the Fowler backrest, lift up the pneumatic head section activation lever (O), push down on the Fowler backrest (A) to the desired position (0° - 50°), and release the pneumatic head section activation lever (*Product illustration* (page 6)).

## Raising or lowering the foot section

---

### WARNING

- Always position the patient in the center of the product.
  - Always make sure that the foot section 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 foot section support arm (I) is secure in the desired position (6° and 12°) (*Product illustration* (page 6)).

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

## 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 highest height position with the sleep surface flat 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. (22.86 cm), 14 in. (35.56 cm), or 26 in. (66.04 cm).
3. Pull on the siderail to make sure that the siderail is latched and the arrow pointers (A) are aligned (Figure 5).



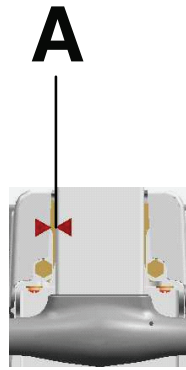


Figure 5 – Siderail arrow pointers

## 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 highest height position with the sleep surface flat 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 6).

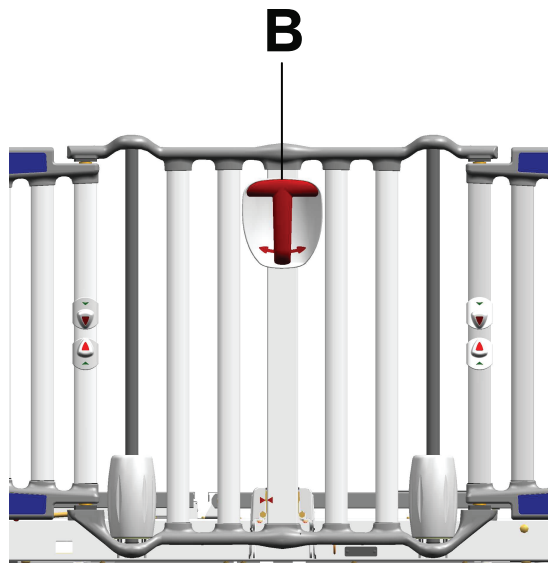


Figure 6 – Siderail activation handle

2. Lower the siderail until the siderail is at the desired position: 9 in. (22.86cm), 14 in. (35.56cm), or 26 in. (66.04cm). Release the siderail activation handle.

### Note

- Siderails automatically stop at the 9 in. (22.86 cm) position when you lower the siderails.
  - The double safety lock at the 9 in. (22.86 cm) 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 5).

## Opening the access doors option

To open the access doors, squeeze the release knobs (A) (Figure 7).

**Note** - The open/close indicators (B) will show yellow when the door is released from the lock (Figure 8).

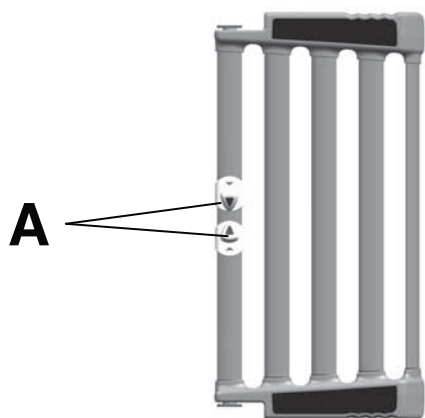


Figure 7 – Access door

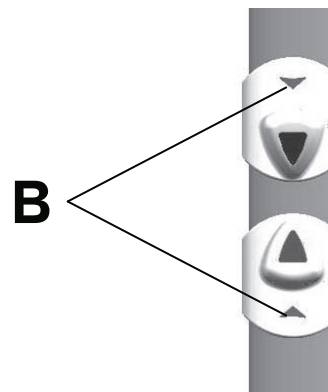


Figure 8 – Open/close indicators

## 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, return the doors to the closed position.

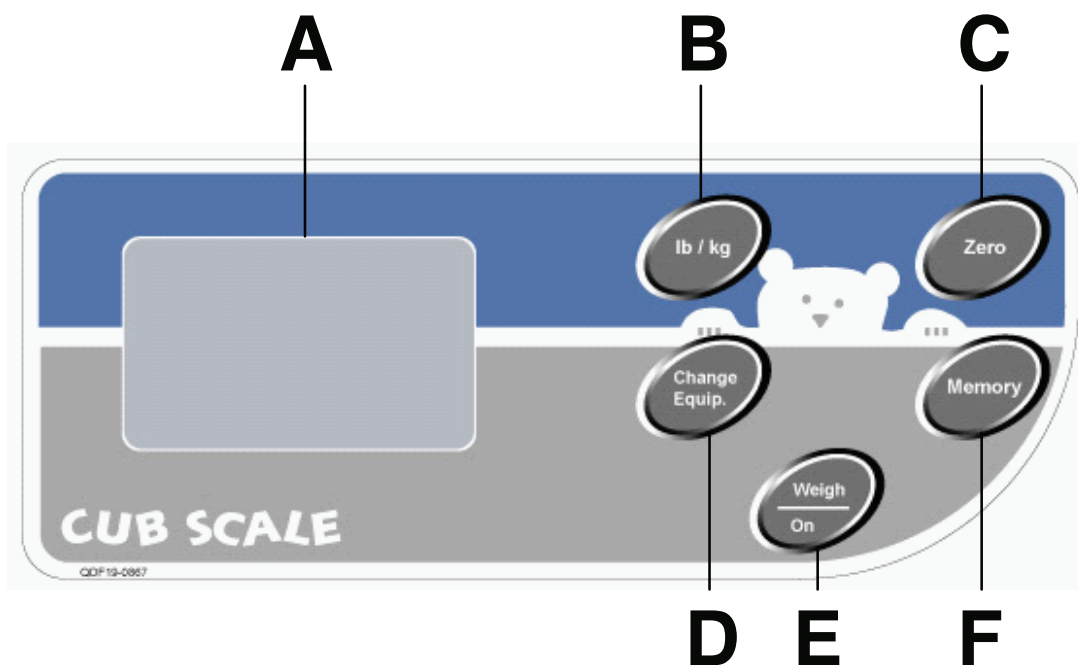
**Note** - The open/close indicators (B) will show green when the door is locked in the closed position (Figure 8).

## 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	Adds or removes equipment without affecting patient weight
E	Weigh/On	Activates the scale
F	Memory	Stores the most recent patient weight or displays the stored weight

## Weighing a patient

### CAUTION

- Always remove external equipment from the product litter when you zero the scale or weigh a patient.
- Always 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) to turn the scale on (*Scale control panel option* (page 14)).

**Note** - Three dashes will flash on the display for 10 seconds followed by a weight reading.

2. Press and hold the **Zero** button (C) for two seconds (*Scale control panel option* (page 14)).

**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 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) to turn the scale on (*Scale control panel option* (page 14)).

**Note** - Three dashes will flash on the display for 10 seconds followed by a weight reading.

2. Press and hold the **Memory** button (F) (*Scale control panel option* (page 14)).
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 remove external equipment from the product litter when you zero the scale or weigh a patient.

---

To zero the scale:

1. Press and release the **Weigh/On** button (E) to turn the scale on (*Scale control panel option* (page 14)).

**Note** - Three dashes will flash on the display for 10 seconds followed by a weight reading.

2. Press and hold the **Zero** button (C) for two seconds (*Scale control panel option* (page 14)).

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

## Changing equipment

To add or remove equipment:

1. Press and release the **Weigh/On** button (E) to turn the scale on (*Scale control panel option* (page 14)).

**Note** - Three dashes will flash on the display for 10 seconds followed by a weight reading.

2. Press and release the **Change Equip.** button (D) (*Scale control panel option* (page 14)).

**Note** - The **Change Equipment** message will appear on the display after 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) to turn the scale on (*Scale control panel option* (page 14)).

**Note** - Three dashes will flash on the display for 10 seconds followed by a weight reading.

2. Press and release the **lb/kg** button (B) to change the scale units between pounds (lb) and kilograms (kg) (*Scale control panel option* (page 14)).

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


## Replacing the scale batteries

---

### CAUTION

- Always use 1.5 VDC alkaline batteries.

- Always remove the batteries from the product during long periods of disuse.
- 

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

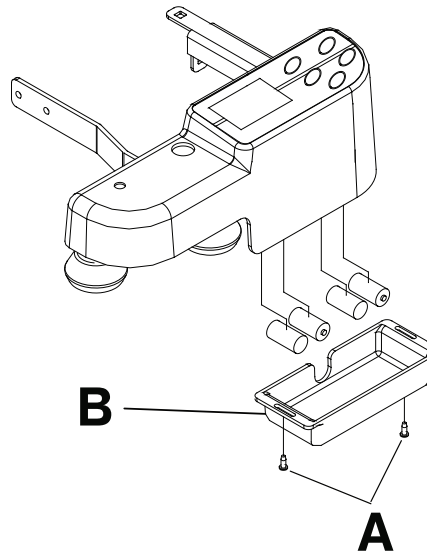
**Tools required:**

- #2 Phillips screwdriver

**Procedure:**

1. Using a #2 Phillips screwdriver, remove the two screws (A) that secure the battery cover (B) to the enclosure (Figure 9). Save the cover. Remove and discard the batteries.

**Note** - Always dispose of old batteries in accordance with local regulations.



**Figure 9 – Battery replacement**

2. Reverse steps to reinstall.
3. Zero the scale before you return the product to service. See *Zeroing the scale* (page 16).

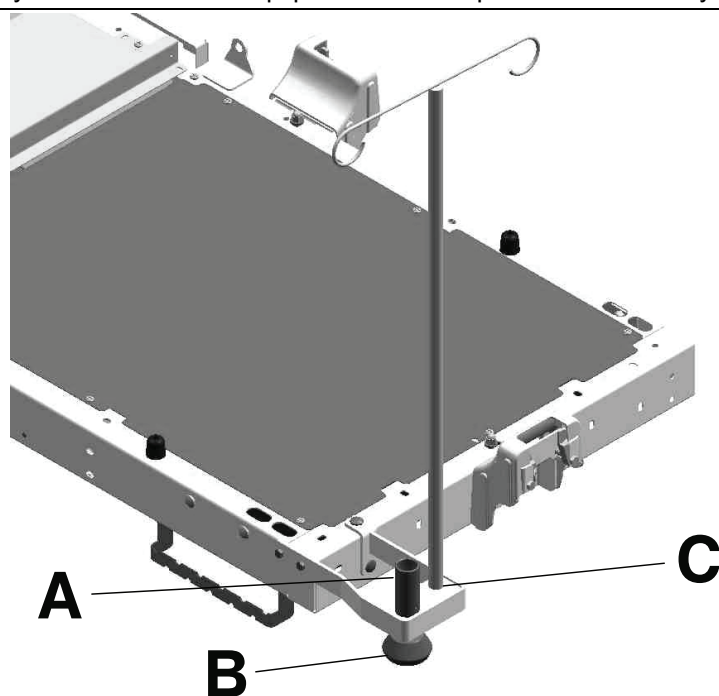
## Accessories and parts

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.

Name	Part number
Defibrillator tray	FA64102
<b>HAVASU™</b> IV pole, removable	FA64135
<b>HAVASU</b> IV pole, removable	FDTSH
<b>HAVASU</b> IV pole, two-stage	FA64083
<b>HAVASU</b> IV pole, three-stage	FA64084
Oxygen bottle holder, upright	FA64086
Mattress, with cover, 4"	55-0072

## Standard accessory bracket

**CAUTION** - Always remove external equipment from the product litter when you zero the scale or weigh a patient.

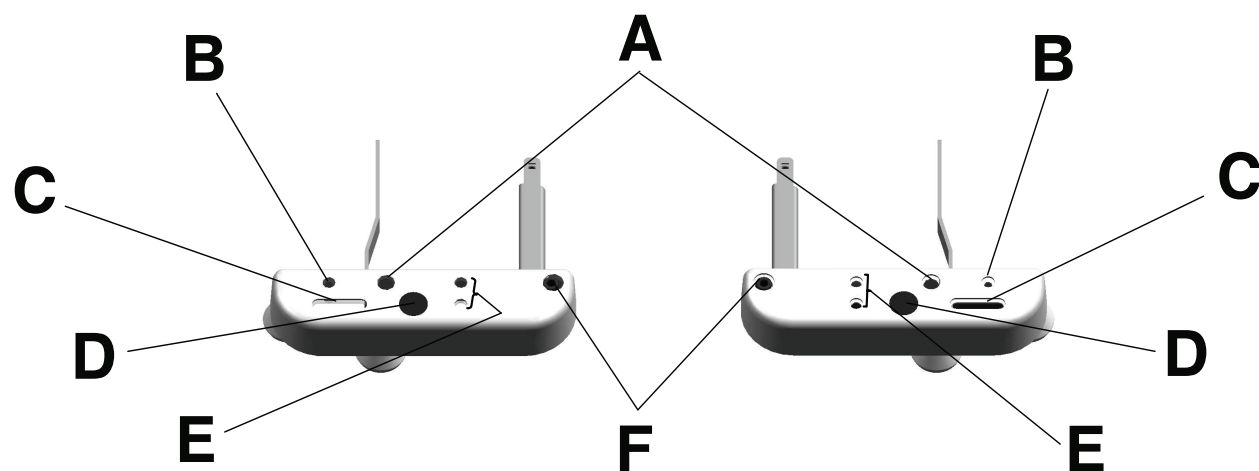


A	Protective top mounting socket
B	Rubber bumper
C	Accessory socket <b>Note</b> - Not compatible with defibrillator tray (FA64102) or removable IV pole (FA64135)

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

## Premium accessory bracket option

**CAUTION** - Always remove external equipment from the product litter when you zero the scale or weigh a 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, slide the oxygen bottle into the cutout of the base hood (A), bottom first (Figure 10).

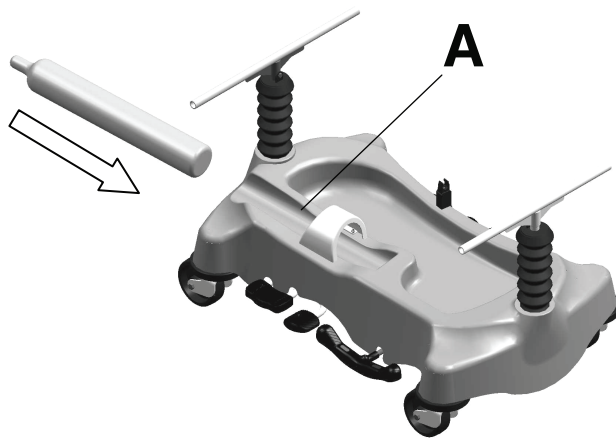


Figure 10 – Oxygen bottle retaining collar

## Attaching the upright oxygen bottle holder

---

**CAUTION** - Always remove external equipment from the product litter when you zero the scale or weigh a patient.

---

To attach the upright oxygen bottle holder (Figure 11):

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.



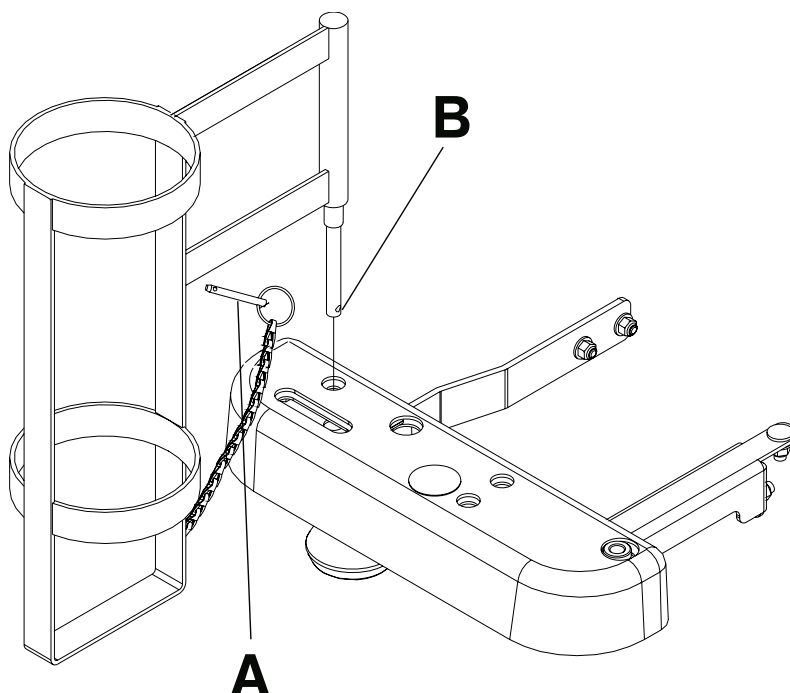


Figure 11 – Upright oxygen bottle holder

## 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 12):

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.

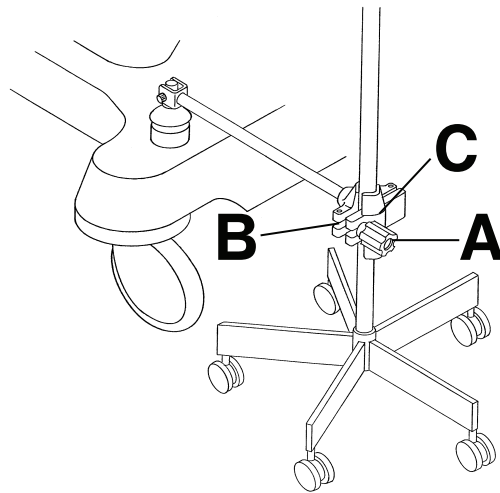


Figure 12 – IV caddy

## Positioning the two-stage permanently attached IV pole option

---

### WARNING

- Always make sure that the IV pole is positioned 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 13):

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.

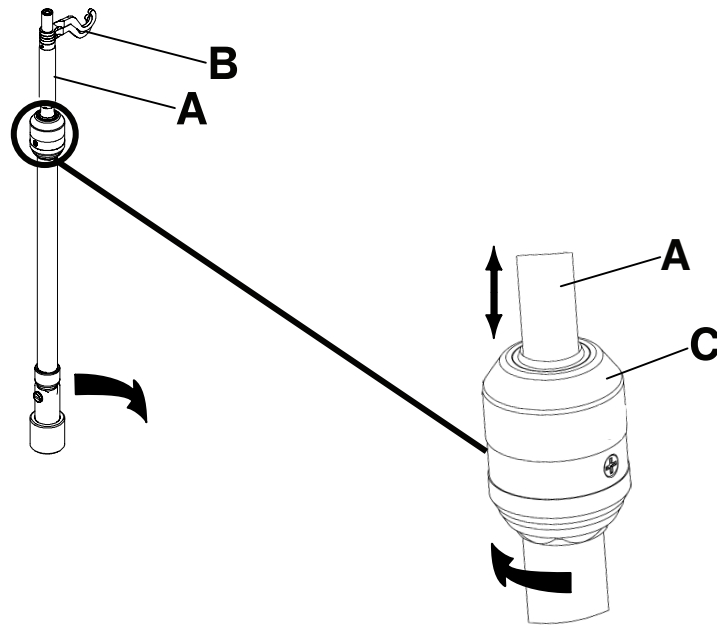


Figure 13 – Positioning the 2 stage permanently attached IV pole

## Positioning the three-stage permanently attached IV pole option

### WARNING

- Always make sure that the IV pole is positioned 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 14):

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.

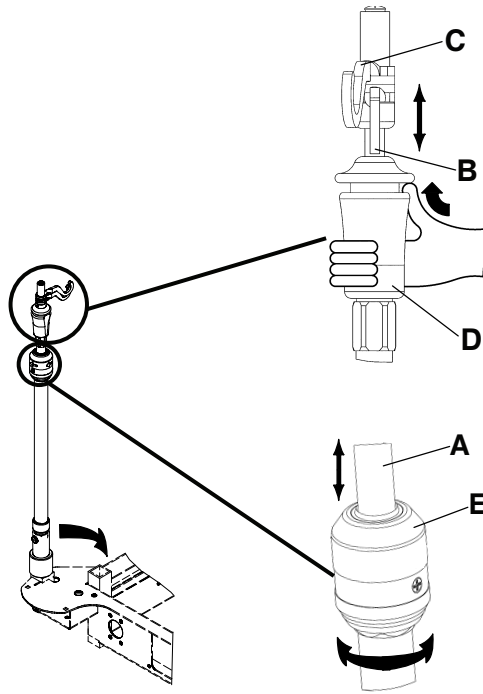


Figure 14 – Positioning the three-stage permanently attached IV pole

## 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 remove external equipment from the product litter when you zero the scale or weigh a 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 15):

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.

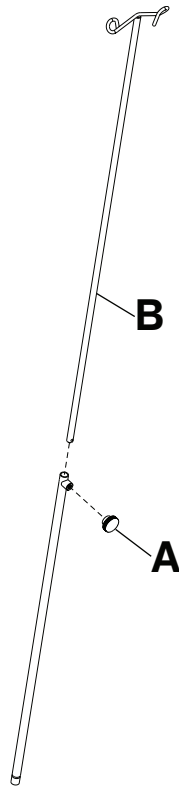


Figure 15 – Removable IV pole

## Attaching and positioning the removable IV pole (FDTSH)

---

### WARNING

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

---

**CAUTION** - Always remove external equipment from the product litter when you zero the scale or weigh a 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 16).

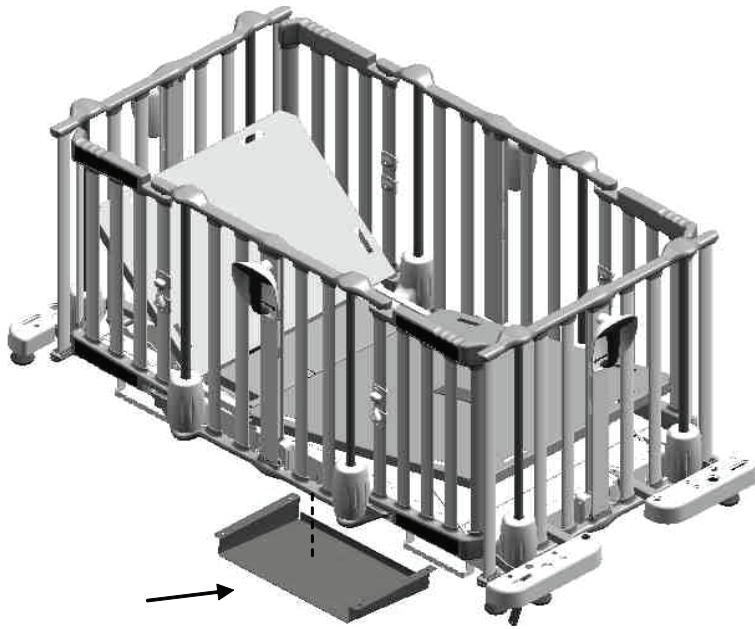


Figure 16 – Chart holder/monitor holder

## Attaching the retracting protective top

---

### WARNING

- Always remove the patient from the product before you install the protective top.
  - Always turn off the scale before you install the protective top.
  - Always secure the protective top and make sure the protective top extends and retracts before you return the product to service.
- 

### Tools Required:

- 9/16" combination wrench

**Note** - This procedure requires two people to complete.

1. Press the lock pin located on the top section of each post (A). 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" combination wrench, lock the posts in the accessory bracket sockets with the four hitch pins (D) (Figure 17).

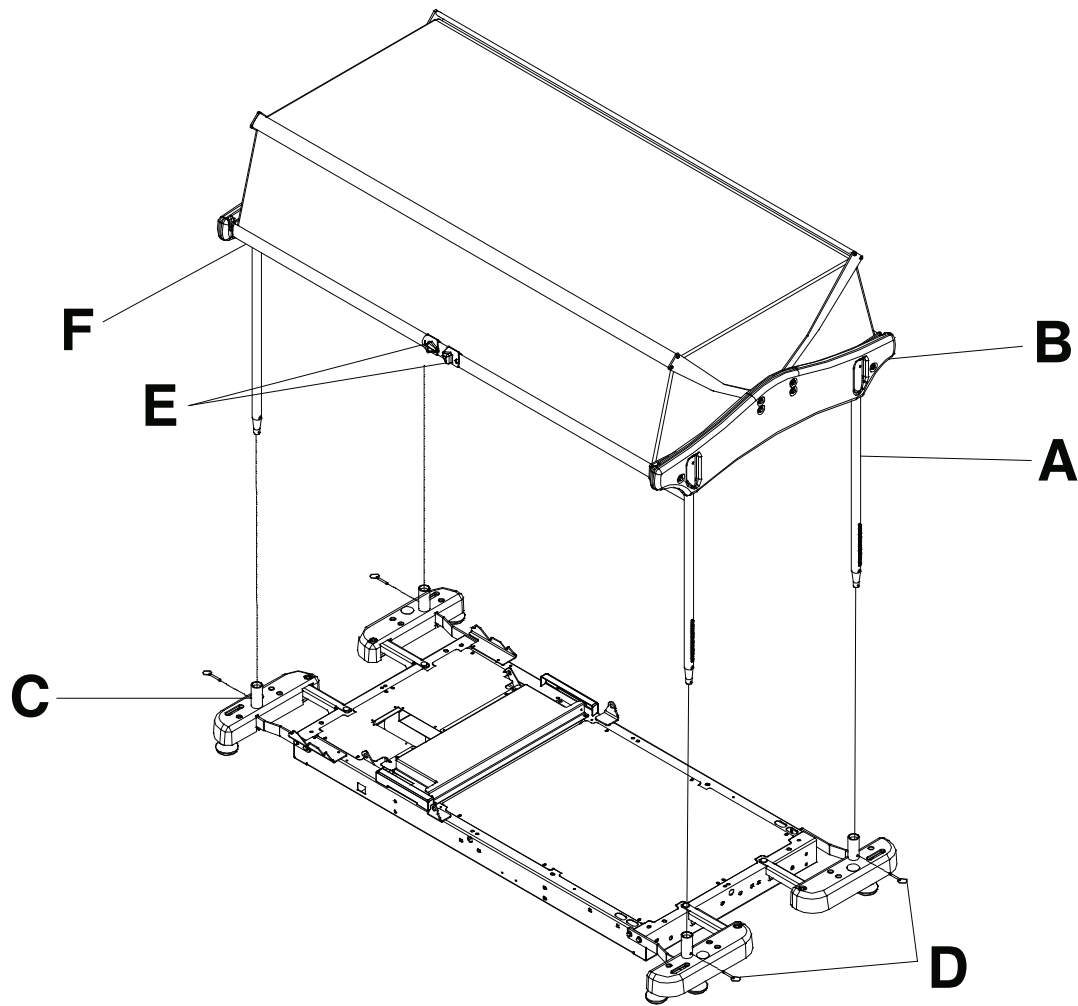


Figure 17 – Retracting protective top

## Positioning the retracting protective top

### WARNING

- Always make sure to lock both lower rails before you leave a patient unattended.
- Always 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 17).
2. To close the protective top, grasp the lower rail (F) and lower it until it locks into position (Figure 17).

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

## Attaching the protective top with supports

### WARNING

- Always remove the patient from the product before you install the protective top.

- Always turn off the scale before you install the protective top.
  - Always secure the protective top and make sure the protective top extends and retracts before you return the product to service.
- 

**Tools Required:**

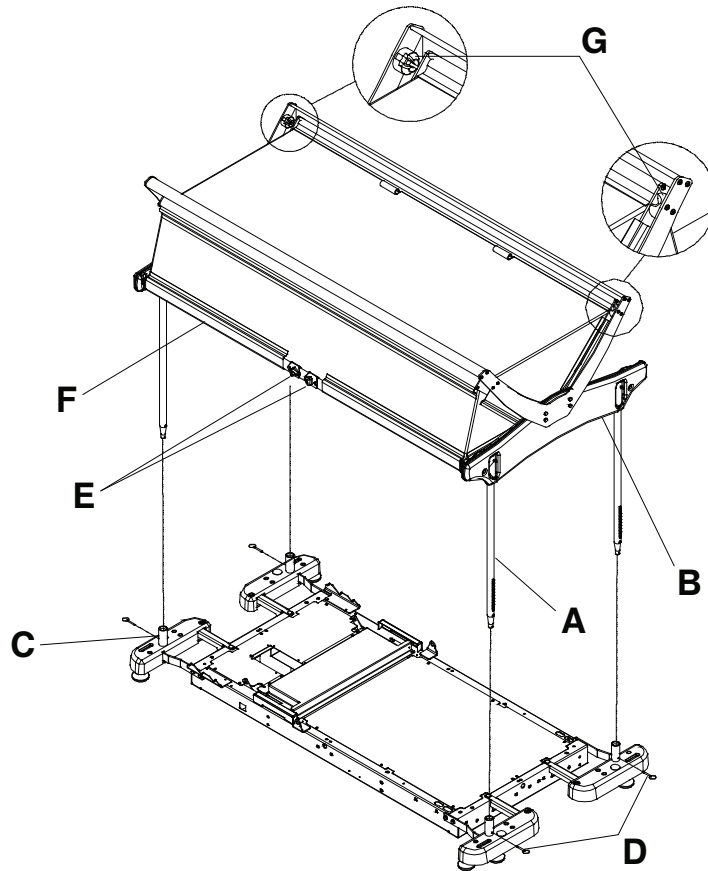
- 9/16" combination wrench

**Note** - This procedure requires two people to complete.

1. Press the lock pin located on the top section of each post (A). Insert the post into the slot of the plastic structure (B) (Figure 18). 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 18).
3. Using a 9/16" combination wrench, lock the posts in the accessory bracket sockets with the four hitch pins (D) (Figure 18).



**Figure 18 – Protective top with supports**

## Positioning the protective top with supports

---

**WARNING**

- Always make sure to lock both lower rails before you leave a patient unattended.
  - Always 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 anchors points are passed (G) (Figure 18). 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 18).
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 18). 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 18). 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 and reverse Trendelenburg operate
- \_\_\_\_\_ Hydraulic jacks are holding
- \_\_\_\_\_ No leaks at hydraulic connections
- \_\_\_\_\_ Hydraulic jack oil level sufficient
- \_\_\_\_\_ Lubricate where required
- \_\_\_\_\_ IV pole option is intact and adjusts and latches in all positions
- \_\_\_\_\_ Oxygen bottle holder option is intact
- \_\_\_\_\_ No rips or cracks in the mattress cover
- \_\_\_\_\_ Accessories and mounting hardware are in good condition
- \_\_\_\_\_ Display housing is intact and not damaged (scale system option)
- \_\_\_\_\_ Load cells are intact and not damaged (scale system option)
- \_\_\_\_\_ Calibrate scale (scale system option)
- \_\_\_\_\_ Replace siderail assist cable every five years
- \_\_\_\_\_ Replace siderail central column spring every four years
- \_\_\_\_\_ Siderail/endlrail handle triggers and rotates
- \_\_\_\_\_ Siderails/endlrails raise, lower, and lock in the 9 in., 14 in., and 26 in. position
- \_\_\_\_\_ Siderails/endlrails stop at the 9 in. position when lowered (option)
- \_\_\_\_\_ Access doors open, close, and lock (option)
- \_\_\_\_\_ Foot prop intact and operable
- \_\_\_\_\_ Foley bag hooks intact
- \_\_\_\_\_ Ground chain is clean, intact, and has at least two links touching the floor

Product serial number:
Completed by:
Date:

# Cleaning and disinfecting with SideKick®

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") and spray (2070-000-001) 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 with SideKick wipe:

### To clean:

1. Wipe down the external product surface with a fresh, clean wipe to remove all visible soils.
2. Repeat as necessary until the external product surface is visibly clean.
3. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

**Note** - Use as many wipes as necessary.

### To disinfect:

1. Clean first.
2. Wipe down the external product surface with a fresh, clean wipe until wet.
3. Allow the external product surface to remain wet for two minutes at room temperature.
4. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

## To clean or disinfect the external product surface with SideKick spray:

### To clean:

1. Spray **SideKick** on a mop, sponge, paper cloth, or cloth towel.
2. Wipe down the external product surface with a fresh, clean mop, sponge, paper cloth, or cloth towel to remove all visible soils.
3. Repeat as necessary until the external product surface is visibly clean.
4. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

### To disinfect:

1. Clean first.
2. Spray **SideKick** on a mop, sponge, paper cloth, or cloth towel.
3. Wipe down the external product surface with a fresh, clean mop, sponge, paper cloth, or cloth towel until wet.
4. Allow the external product surface to remain wet for two minutes at room temperature.
5. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

**Note** - Follow your hospital protocols to launder cloth towels or dispose of wipes or paper cloths.

# 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 you return 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.
  - Do not use **Virex® TB** when you clean the crib. **Virex® TB** is not an approved cleaning agent for this product.
- 

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 you return 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 Medical  
3800 E. Centre Avenue  
Portage, MI 49002  
USA