

**stryker<sup>®</sup>**  
**Medical**

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*720 Transport Stretcher*

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*Operations Manual*

*For Parts or Technical Assistance*  
*800-327-0770*

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# Introduction

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## INTRODUCTION

This manual is designed to assist you with the operation of the 720 Transport Stretcher. Read it thoroughly before using the equipment or beginning any maintenance on it.

## SPECIFICATIONS

Maximum Weight Capacity	500 pounds
Overall Bed Length/Width	81", 30"
Fixed Height Options	28", 30", 32"
Fowler Angle	0 to 90°

Stryker reserves the right to change specifications without notice.

## WARNING / CAUTION / NOTE DEFINITION

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

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### WARNING

The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

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### CAUTION

These instructions point out special procedures or precautions that must be followed to avoid damaging the equipment.

### NOTE

This provides special information to make maintenance easier or important instructions clearer.

# Introduction

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Before operating this stretcher, it is important to read and understand all information in this manual. Carefully read and strictly follow the warnings listed on this page.

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## **WARNING**

Always apply the caster brakes when a patient is getting on or off the stretcher. Push on the stretcher to ensure the brakes are securely locked. Always engage the brakes unless the stretcher is being moved. Injury could result if the stretcher moves while a patient is getting on or off the stretcher. If brakes do not hold properly, refer to your stretcher maintenance manual for a brake adjustment procedure.

**Do not** attempt to adjust the stretcher height with a patient on the stretcher.

When using the SAFR™ Board to transfer a patient, **always** lock the brakes on all stretchers, beds, etc. being used and **always** be certain the transfer board is placed securely on the surface of the mating stretcher or bed. The patient stretcher and the mating surface must be at the same height before the patient is transferred.

Be sure the siderail latching mechanism is working properly at all times. If it is not, refer to your stretcher maintenance manual for "Siderail Latch Adjustment".

When lowering the siderail to the collapsed position, keep extremities of patients and staff away from the siderail spindles or injury could occur.

To avoid injury or damage to the equipment, do not allow the siderail to lower on its own.

Be sure the brace assembly is securely locked in the Fowler supports before removing hands from handles.

Keep fingers/hands clear of the area around the Fowler release handle and Fowler frame when lowering. Injury could result if care is not taken when lowering the Fowler.

Keep fingers/hands clear of the area around the Gatch riser and the foot section frame when lowering the foot section. Injury could result if care is not taken when lowering the foot section.

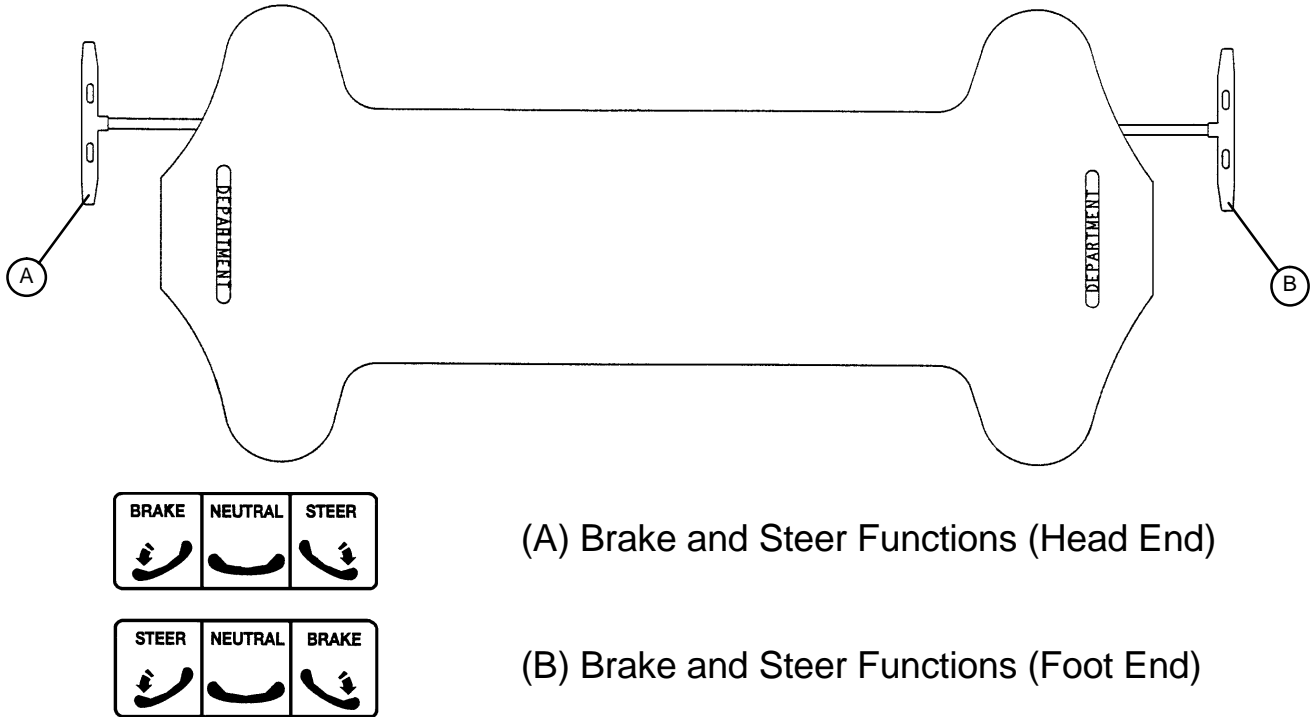
If pneumatic system appears to be difficult to operate, refer to the stretcher maintenance manual for "Pneumatic Fowler Adjustment"

The weight of the I.V. bags should not exceed 40 pounds.

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# Stretcher Operation

## APPLYING THE BRAKE SYSTEM



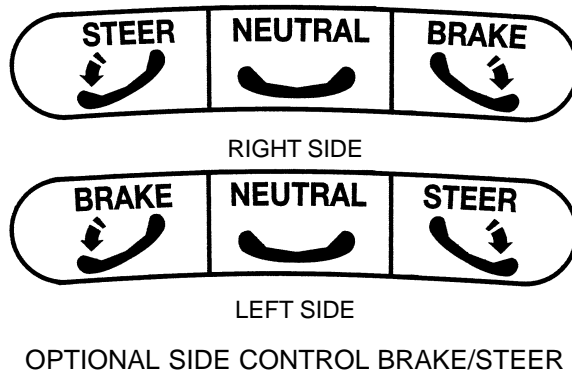
To engage the brakes from the head (non-control) end of the stretcher, push fully down on the left side of pedal (A). To engage the brakes from the foot (control) end of the stretcher, push fully down on the right side of pedal (B).

### WARNING

Always apply the caster brakes when a patient is getting on or off the stretcher. Push on the stretcher to ensure the brakes are securely locked. Always engage the brakes unless the stretcher is being moved. Injury could result if the stretcher moves while a patient is getting on or off the stretcher. If brakes do not hold properly, refer to your stretcher maintenance manual for a brake adjustment procedure.

### NOTE

Your stretcher may be equipped with optional side control brake and steer functions in addition to the standard head and foot end controls. The side control brakes operate the same as the head and foot end versions. They are indicated by a label on each side of the stretcher base.



# Stretcher Operation

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## OPERATING THE DIRECTIONAL STEERING CASTER/5TH WHEEL OPTIONS

The purpose of the steer wheel and 5th wheel options is to help guide the stretcher when transporting a patient along a straight line and also for pivoting at corners.

To engage the steer from the head (non-control) end of the stretcher, push fully down on the right side of pedal (A). To engage the steer from the foot (control) end of the stretcher, push fully down on the left side of pedal (B).

### NOTE

Stretchers cannot be equipped with both steering caster and fifth wheel options. The choice was made at the time the stretcher was purchased.

The steer wheel is located at the foot end of the stretcher on the patient's left. The 5th wheel is located underneath the center of the base assembly.

## ADJUSTING STRETCHER HEIGHT

### NOTE

The 720 Transport Stretcher is available from the factory in three "fixed" heights: 28", 30", and 32". The stretcher height was determined at the time of purchase. Follow the procedure below to change the stretcher height.

### Required Tools:

1/2" Open End Wrench

1/2" Socket with Ratchet

### Adjustment Procedure:

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### WARNING

**Do not** attempt to adjust the stretcher height with a patient on the stretcher.

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1. Using a 1/2" open end wrench and 1/2" socket with ratchet, loosen the 2 bolts and 2 self-locking nuts located on the head and foot end upper tower assemblies.
2. Remove only the 4 self-locking nuts.
3. Lift the litter top from both ends simultaneously only enough to relieve the pressure on the 4 bolts and remove the bolts and 8 washers.
4. Adjust to the desired height by aligning the appropriate holes located in both the head and foot end upper and lower tower assemblies.
5. Reinstall the 4 bolts, 8 washers and 4 self-locking nuts and tighten securely.

# Stretcher Operation

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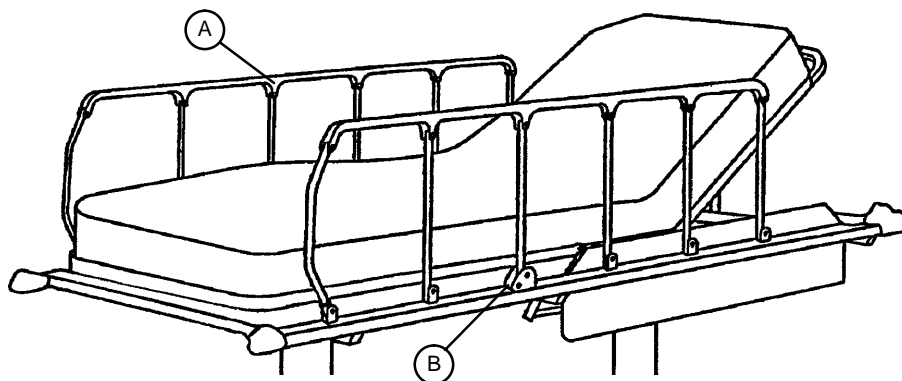
## USING THE SIDERAILS

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### CAUTION

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Be sure the siderail latching mechanism (B) is working properly at all times. If it is not, refer to your stretcher maintenance manual for "Siderail Latch Adjustment".



**To engage siderails:** Pull up siderail (A) and raise to full up position so that latch (B) engages.

**To disengage siderails:** Pull up on latch (B) and guide siderail to the full down position.

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### WARNING

When lowering the siderail to the collapsed position, keep extremities of patients and staff away from the siderail spindles or injury could occur.

To avoid injury or damage to the equipment, do not allow the siderail to lower on its own.

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# Stretcher Operation

## USING THE PATIENT TRANSFER BOARD

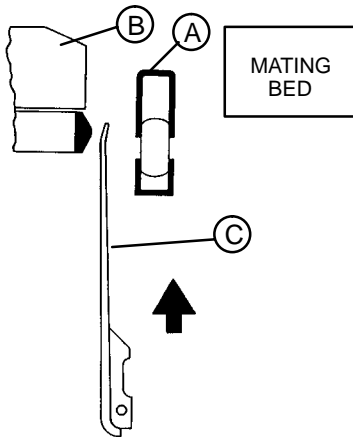
### WARNING

When using the transfer board to transfer a patient, **always** lock the brakes on all stretchers, beds, etc. being used and **always** be certain the transfer board is placed securely on the surface of the mating stretcher or bed. The patient stretcher and the mating surface must be at the same height before the patient is transferred.

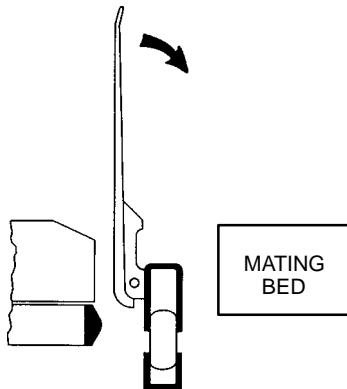
### Transferring Patients:

#### Note

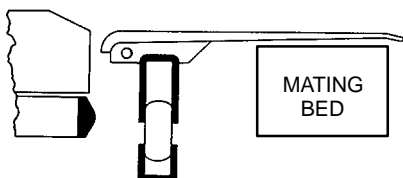
The transfer board (C) is located between the siderail (A) and the mattress (B). (See illustration).



1. Lower siderail (A) to full down position.
2. Raise the transfer board (C) from the bottom while lifting from the top.



3. When the transfer board is fully raised, it can be pivoted downward onto the surface of the mating bed or stretcher.



- Important:** Be sure the brakes have been applied on both the stretcher and the mating bed or stretcher before beginning step 4.
4. Using a sheet, draw the patient onto the mating bed or stretcher.



# Stretcher Operation

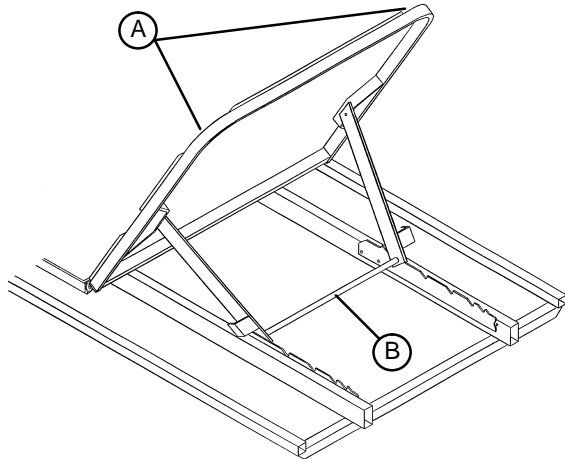
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## OPERATING THE FOWLER

### NOTE

There are two types of fowler options: 1) manually operated, 2) pneumatic operated.

### Manual Fowler:



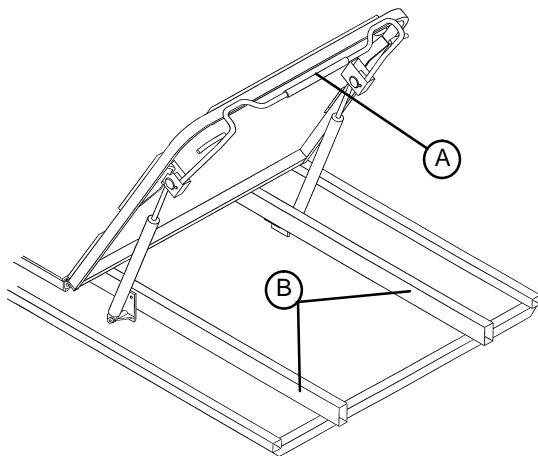
Lift up on the Fowler handles (A). The brace assembly (B) will fall into position as the Fowler is raised to the desired height.

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### CAUTION

Be sure the brace assembly (B) is securely locked in the Fowler supports before removing hands from handles.

### Pneumatic Fowler:



Squeeze handle (A) for pneumatic assist in lifting the Fowler to the desired height. Remove hand(s) from handle when desired height is achieved.

To lower, squeeze handle (A) and push down until Fowler has reached desired height. Remove hand(s) from handle when desired height is achieved.

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### CAUTION

If pneumatic system appears to be difficult to operate, refer to the Stretcher Maintenance Manual for "Pneumatic Fowler Adjustment"

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### WARNING

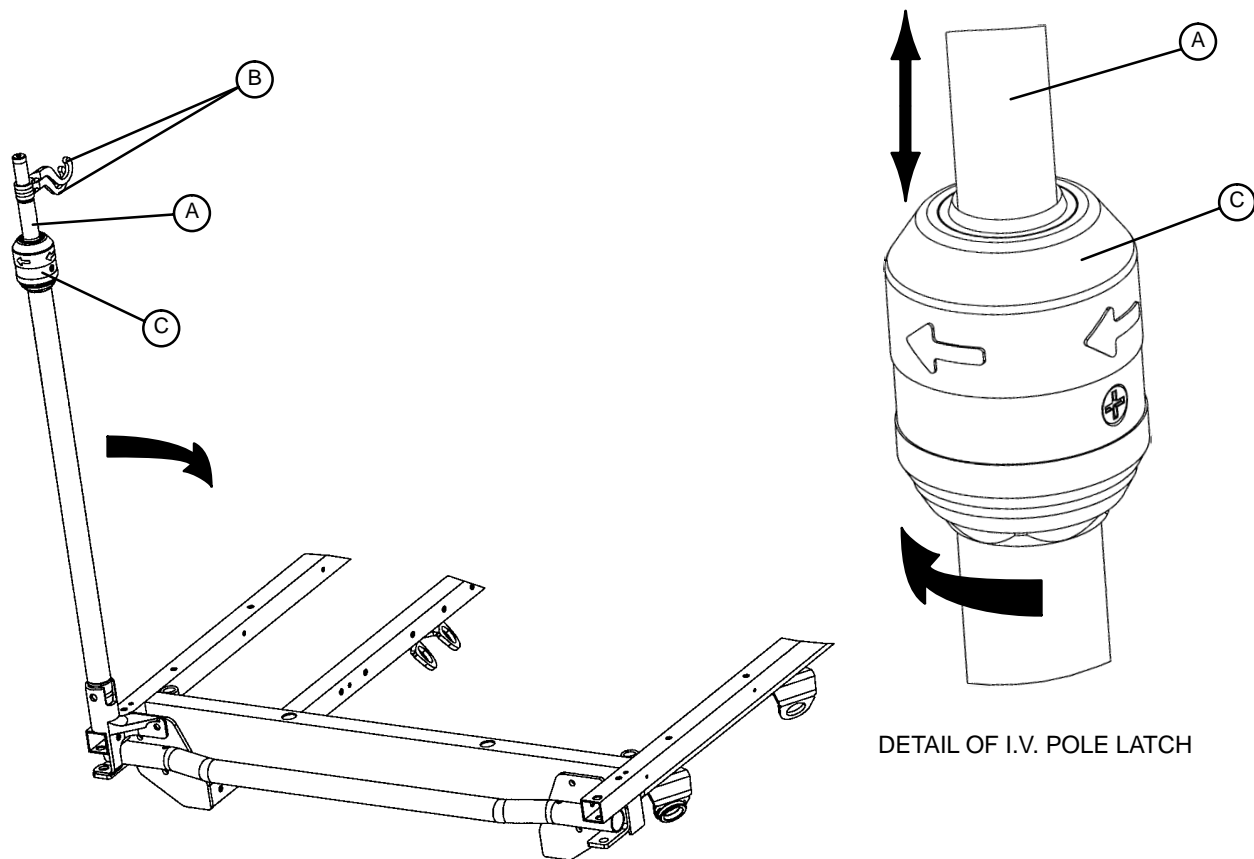
Keep fingers/hands clear of area around Fowler release handle and Fowler frame when lowering. Injury could result if care is not taken when lowering the Fowler.

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# Stretcher Operation

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## OPERATING THE OPTIONAL 2-STAGE PERMANENTLY ATTACHED I.V. POLE



### NOTE

The 2-stage permanently attached I.V. pole is an option and may have been installed at either the head, foot or both ends of the stretcher. The choice was made at the time the stretcher was purchased.

### To use the 2-stage permanently attached I.V. pole:

1. Lift and pivot the pole from the storage position and push down until it is locked into the receptacle.
2. To raise the height of the pole, pull up on the telescoping portion (A) until it locks into place at its fully raised position.
3. Rotate the I.V. hangers (B) to desired position and hang the I.V. bags.
4. To lower the I.V. pole, turn the latch (C) clockwise until section (A) lowers.

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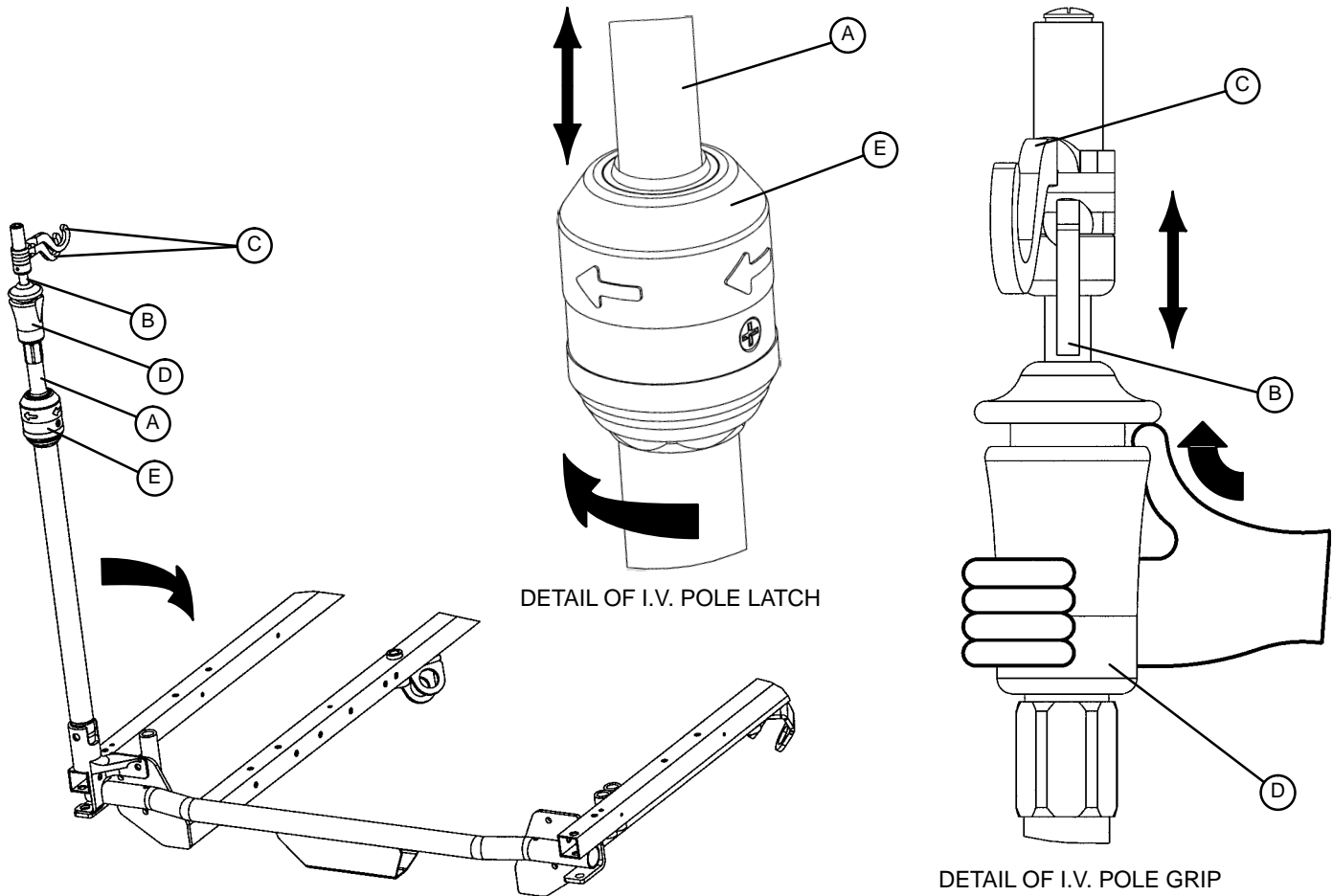
### CAUTION

To avoid damage, the weight of the I.V. bags should not exceed 40 pounds.

To avoid damage while transporting the stretcher, verify the I.V. pole is at a low enough height to allow it to safely pass through door openings and under light fixtures.

# Stretcher Operation

## OPERATING OPTIONAL 3-STAGE PERMANENTLY ATTACHED I.V. POLE



### NOTE

The 3-stage permanently attached I.V. pole is an option and may have been installed at either the head, foot or both ends of the stretcher. The choice was made at the time the stretcher was purchased.

### To use the 3-stage permanently attached I.V. pole:

1. Lift and pivot the pole from the storage position and push down until it is locked into the receptacle.
2. To raise the height of the pole, pull up on the telescoping portion (A) until it locks into place at its fully raised position.
3. For a higher I.V. pole, pull up on section (B). Release section (B) at any desired height and it will lock into place.
4. Rotate the I.V. hangers (C) to the desired position and hang the I.V. bags.
5. To lower the I.V. pole, push up on the red portion of grip (D) while holding onto section (B) until it lowers. Turn latch (E) clockwise until section (A) lowers.

### CAUTION

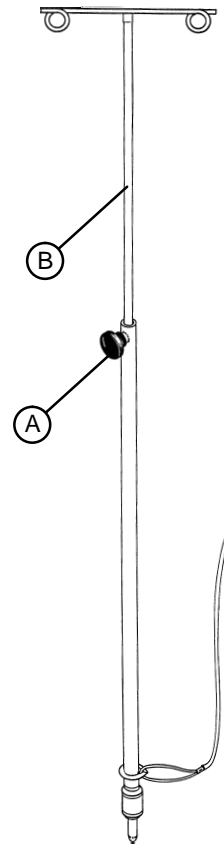
To avoid damage, the weight of the I.V. bags should not exceed 40 pounds.

To avoid damage while transporting the stretcher, verify the I.V. pole is at a low enough height to allow it to safely pass through door openings and under light fixtures.

# Stretcher Operation

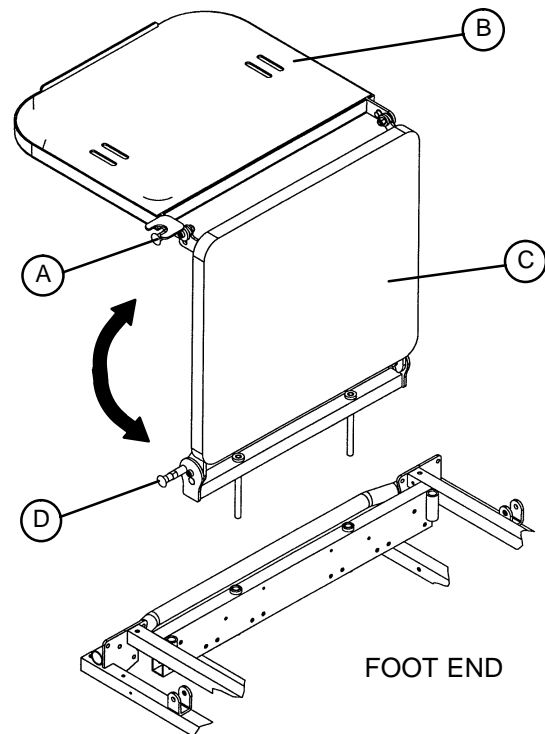
## OPERATING THE OPTIONAL TETHERED I.V. POLE

1. Remove the I.V. pole from the storage trough under the litter and insert into the receptacle on the corner of the litter frame.
2. To raise the height of the pole, turn knob (A) counterclockwise and pull up on the telescoping portion (B) of the pole to raise it to the desired height.
3. Turn knob (A) clockwise to lock the telescoping portion in place.



## OPERATING THE OPTIONAL FOOT EXTENSION/DEFIBRILLATOR TRAY

1. To use as a defibrillator tray, pull out the top knob (A) and pivot the tray (B) over the foot extension (C) until the tray extends flat over the foot end of the stretcher.
2. To use as a foot extension, pull out knob (A) and pivot the defibrillator tray back until it locks against the foot extension (C). While holding onto the assembly, pull out the bottom knob (D) and lower the foot extension down until it is flat.



### WARNING

If the stretcher is equipped with the optional foot end I.V. pole, the I.V. pole must be in the raised position when the foot extension/defibrillator tray is installed. If the I.V. pole is not raised, the foot extension will not function properly and injury could occur.

# Preventative Maintenance

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## CHECKLIST

- \_\_\_\_\_ All fasteners secure
- \_\_\_\_\_ Siderails move and latch properly
- \_\_\_\_\_ Engage brake pedal and push on the stretcher to ensure all casters lock securely
- \_\_\_\_\_ Steer function working properly
- \_\_\_\_\_ All casters secure and swivel properly
- \_\_\_\_\_ Body restraints working properly
- \_\_\_\_\_ I.V. pole intact and operating properly
- \_\_\_\_\_ Oxygen bottle holder intact and operating properly
- \_\_\_\_\_ Fowler operates and latches properly
- \_\_\_\_\_ No rips or cracks in mattress cover
- \_\_\_\_\_ Transfer boards intact and operating properly
- \_\_\_\_\_ Ground chain intact
- \_\_\_\_\_ Lubricate where required, including the brake adjuster assembly and brake cam
- \_\_\_\_\_ Accessories and mounting hardware in good condition and working properly

Serial No. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Completed By: \_\_\_\_\_

Date: \_\_\_\_\_

## NOTE

Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

# Cleaning

Hand wash all surfaces of the stretcher with warm water and mild detergent. Dry thoroughly. **DO NOT STEAM CLEAN, PRESSURE WASH, HOSE OFF OR ULTRASONICALLY CLEAN.** Using these methods of cleaning is **not** recommended and may void this product's warranty.

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.)

In general, when used in those concentrations recommended by the manufacturer, either phenolic type or quaternary type disinfectants can be used. Iodophor type disinfectants are not recommended for use because staining may result. The following products have been tested and have been found not to have a harmful effect **WHEN USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED DILUTION.\***

TRADE NAME	DISINFECTANT TYPE	MANUFACTURER	*MANUFACTURER'S RECOMMENDED DILUTION
A33	Quaternary	Airwick (Professional Products Division)	2 ounces/gallon
A33 (dry)	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Beaucoup	Phenolic	Huntington Laboratories	1 ounce/gallon
Blue Chip	Quaternary	S.C. Johnson	2 ounces/gallon
Elimstaph	Quaternary	Walter G. Legge	1 ounce/gallon
Franklin Phenomysan F2500	Phenolic	Purex Corporation	1 1/4 ounce/gallon
Franklin Sentinel	Quaternary	Purex Corporation	2 ounces/gallon
Galahad	Phenolic	Puritan Churchill Chemical Company	1 ounce/gallon
Hi-Tor	Quaternary	Huntington Laboratories	1/2 ounce/gallon
LPH	Phenolic	Vestal Laboratories	1/2 ounce/gallon
Matar	Phenolic	Huntington Laboratories	1/2 ounce/gallon
Omega	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Quanto	Quaternary	Huntington Laboratories	1 ounce/gallon
Sanikleen	Quaternary	West Chemical Products	2 ounces/ gallon
Sanimaster II	Quaternary	Service Master	1 ounce/gallon
Vesphene	Phenolic	Vestal Laboratories	1 1/4 ounce/ gallon

Quaternary Germicidal Disinfectants, used as directed, and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in **dilutions ranging between 1 part bleach to 100 parts water, and 2 parts bleach to 100 parts water are not considered mild detergents. These products are corrosive in nature and may cause damage to your stretcher if used improperly.** If these types of products are used to clean Stryker patient handling equipment, measures must be taken to insure the stretchers are rinsed with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the stretchers will leave a corrosive residue on the surface of the stretcher, possibly causing premature corrosion of critical components.

## NOTE

Failure to follow the above directions when using these types of cleaners may void this product's warranty.

## REMOVAL OF IODINE COMPOUNDS

This solution may be used to remove iodine stains from mattress cover and foam footrest pad surfaces.

1. Use a solution of 1-2 tablespoons Sodium Thiosulfate in a pint of warm water to clean the stained area. Clean as soon as possible after staining occurs. If stains are not immediately removed, allow solution to soak or stand on the surface.
2. Rinse surfaces which have been exposed to the solution in clear water before returning bed to service.

# Warranty

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## Limited Warranty:

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser that its products should be free from defects in material and workmanship for a period of one (1) year after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. Stryker warrants to the original purchaser that the frame and welds on its beds will be free from structural defects for as long as the original purchaser owns the bed. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to Stryker's factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgement affects the product materially and adversely shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

Stryker Medical stretchers are designed for a 10 year expected life under normal use conditions and appropriate periodic maintenance as described in the maintenance manual for each device.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

## To Obtain Parts and Service:

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative, or call Stryker Customer Service at (800) 327-0770.

## Service Contract Coverage:

Stryker has developed a comprehensive program of service contract options designed to keep your equipment operating at peak performance at the same time it eliminates unexpected costs. We recommend that these programs be activated *before* the expiration of the new product warranty to eliminate the potential of additional equipment upgrade charges.

## **A SERVICE CONTRACT HELPS TO:**

- Ensure equipment reliability
- Stabilize maintenance budgets
- Diminish downtime
- Establish documentation for JCAHO
- Increase product life
- Enhance trade-in value
- Address risk management and safety

# Warranty

**Stryker offers the following service contract programs:**

<b>SPECIFICATIONS</b>	<b>GOLD</b>	<b>SILVER</b>	<b>PM* ONLY</b>
Annually scheduled preventative maintenance	X		X
All parts,** labor, and travel	X	X	
Unlimited emergency service calls	X	X	
Priority one contact; two hour phone response	X	X	X
Most repairs will be completed within 3 business days	X	X	
JCAHO documentation	X	X	X
On-site log book w/ preventative maintenance & emergency service records	X		
Factory-trained Stryker Service Technicians	X	X	X
Stryker authorized parts	X	X	X
End of year summary	X		
Stryker will perform all service during regular business hours (9-5)	X	X	X

\* Replacement parts and labor for products under PM contract will be discounted.

\*\* Does not include any disposable items, I.V. poles (except for Stryker HD permanent poles), mattresses, or damage resulting from abuse.

**Stryker Medical also offers *personalized* service contracts.**

**Pricing is determined by age, location, model and condition of product.**

***For more information on our service contracts,  
please call your local representative or call (800) 327-0770 (option #2).***

## **Return Authorization:**

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.

**SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.**

## **Damaged Merchandise:**

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. **DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT.** Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Claims for any short shipment must be made within thirty (30) days of invoice.

## **International Warranty Clause:**

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.





## **European Representative**

Stryker EMEA RA/QA Director  
Stryker France  
ZAC Satolas Green Pusignan  
Av. De Satolas Green  
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