

Synergy Series

1050/1550 Extended Stay Stretcher

OPERATIONS MANUAL

**For Parts or Technical Assistance:
1-800-327-0770**

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Introduction

INTRODUCTION

This manual is designed to assist you with the operation of the 1050/1550 Synergy Series Extended Stay Stretcher. Read it thoroughly before using the equipment.

SPECIFICATIONS

| | 1050 | 1550 |
|-------------------------------------|---|---|
| Maximum Weight Capacity | 500 pounds | 500 pounds |
| Overall Bed Length/Width | 83.5"/31" | 83.5"/34" |
| Minimum/Maximum Bed Height | 22"/35" | 22"/35" |
| Knee Gatch Angle | 0° to 30° | 0° to 30° |
| Fowler Angle | 0° to 70° (Electric), 0° to 90° (Crank) | 0° to 70° (Electric), 0° to 90° (Crank) |
| Trendelenberg/Reverse Trendelenberg | +12°/-18° | +12°/-18° |
| Electrical Requirements | 110 VAC, 60 Hz, 5.0 Amp | 110 VAC, 60 Hz, 5.0 Amp |

WARNING / CAUTION / NOTE DEFINITION

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

WARNING

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

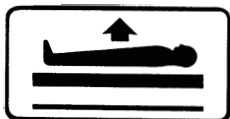
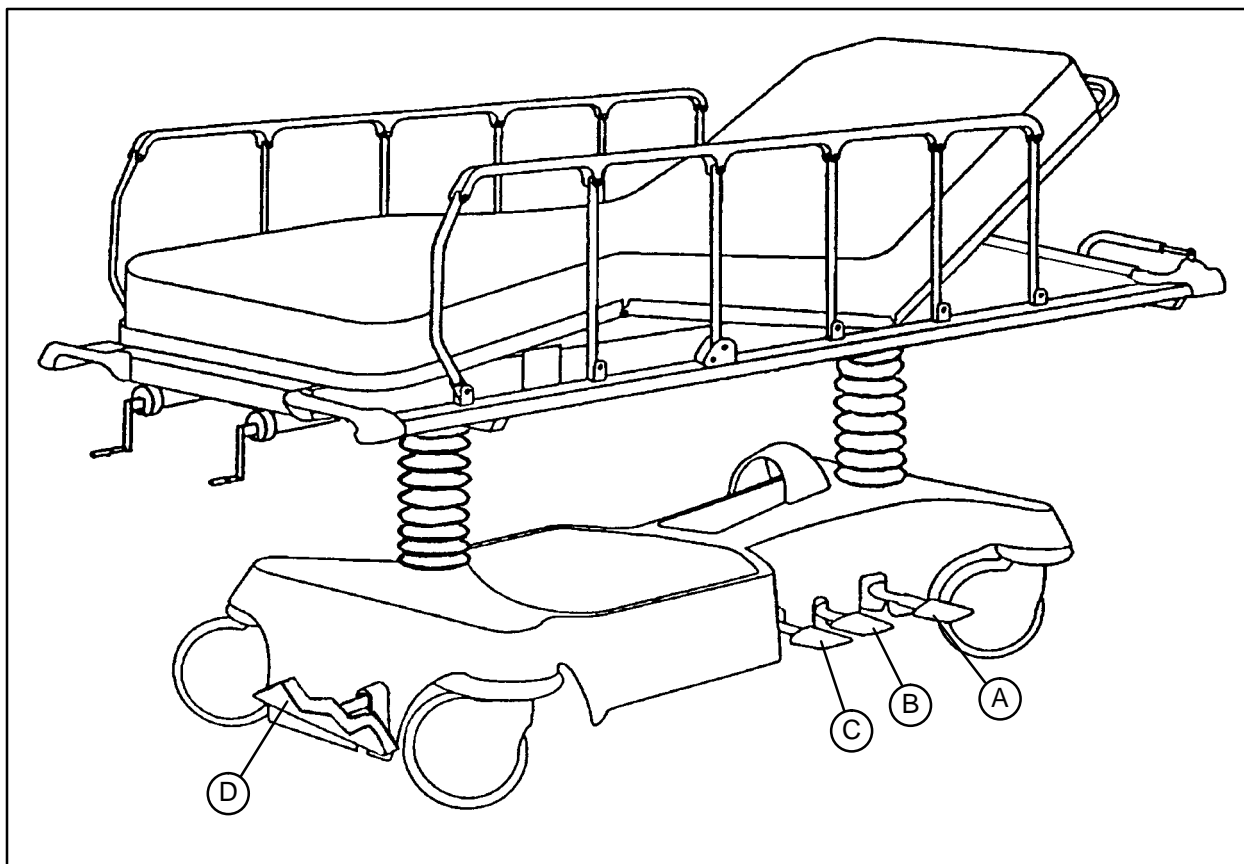
CAUTION

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.

Stretcher Operation



(A) Pump to raise litter. Hold fully down for one second for powered lift. Release pedal when desired height is reached. (Power cord must be plugged into wall socket for powered lift to operate. Powered lift is an optional feature.)

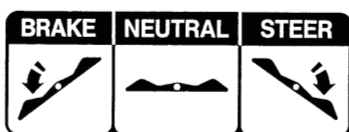


(B) Depress to lower head end (Trendelenburg).



(C) Depress to lower foot end (Reverse Trendelenburg).

To lower both ends of the stretcher, depress both Trendelenburg pedals at the same time.



(D) Brake and Steer functions

Stretcher Operation

RAISING AND LOWERING LITTER HEIGHT

NOTE

For user convenience, pump pedals and control pedals are located on both sides of the stretcher.

CAUTION

Move any equipment that may be in the way before raising or lowering stretcher height.

To **raise** the litter height, pump the lift pedal (A) repeatedly until desired height is achieved. (See illustration, p. 3). Hold pedal fully down for one second for powered lift. (The power cord must be plugged into the wall socket for powered lift to activate. Powered lift is an optional feature.)

To **lower** the litter height, depress pedal (B) to lower the head end or depress pedal (C) to lower the foot end of the stretcher. (See illustration, p. 3).

To lower both ends of the litter simultaneously, activate both pedals (B) and (C) using the same foot.

TRENDELENBURG/REVERSE TRENDELENBURG POSITIONING

CAUTION

Remove any equipment that may be in the way before lowering either end of the stretcher.

For **Trendelenburg** positioning (head down), depress pedal (B). (See illustration, p. 3).

For **Reverse Trendelenburg** positioning (foot down), depress pedal (C). (See illustration, p. 3).

NOTE

Litter height must be raised first in order to achieve a trend. or reverse trend. position.

The higher the litter is before pedals (B) or (C) are activated, the greater the trend. or reverse trend. angle will be. (Maximum trend. angle is $+12^{\circ}$. Maximum reverse trend. angle is -18°).

OPERATING DIRECTIONAL STEERING CASTER/5TH WHEEL OPTIONS

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

NOTE

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

Important: For proper "tracking" of the steer caster or fifth wheel options, push the stretcher approximately 10 feet to allow the wheels to face the direction of travel before engaging the steer pedal. If this procedure is not followed, proper "tracking" will not occur, causing difficulty with steering the stretcher.

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. To engage the steer wheel/5th wheel, push the right side of pedal (D) fully down. (See illustration p. 3).

APPLYING THE BRAKE SYSTEM

NOTE

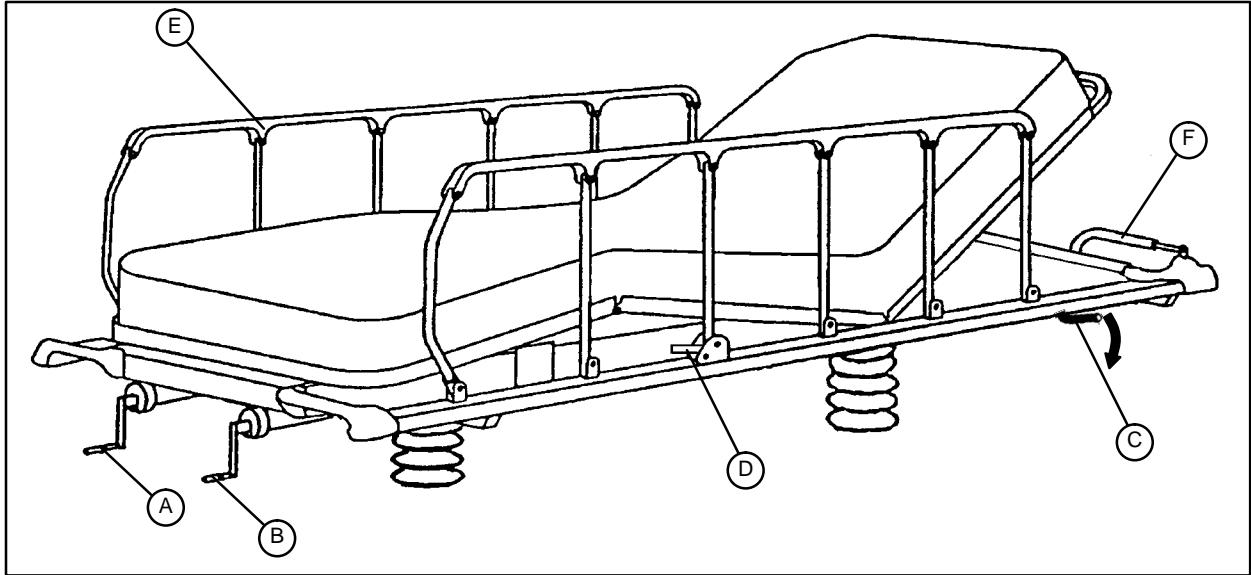
For user convenience, the Brake/Steer pedal is located on both ends of the stretcher.

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.

To engage the brakes, push fully down on the left side of pedal (D). (See illustration page 3).

Stretcher Operation



OPERATING FOWLER AND KNEE GATCH CRANKS

WARNING

To avoid accidental activation and injury while using the cranks, lock out the patient controls (using the switch at either end of the bed) or unplug the stretcher power cord from the wall receptacle.



(A) Push in crank and rotate until it engages. Turn crank clockwise to raise Fowler and counterclockwise to lower.

NOTE

With electric operation, the Fowler will raise only to 70 degrees. For angles up to 90 degrees, the crank can be used.



(B) Push in crank and rotate until it engages. Turn crank clockwise to raise Knee Gatch and counterclockwise to lower.

OPERATING EMERGENCY DROP FOWLER AND KNEE GATCH (OPTIONAL EQUIPMENT)



The optional Emergency Drop feature is available in two configurations: Fowler only or Fowler and Knee Gatch. To activate the Emergency Drop Fowler and/or Knee Gatch, rotate the red handle (C), located at the head end on both sides of the stretcher. *The Fowler and/or Knee Gatch must be reset after the Emergency Drop feature is used or they will not raise.* To reset, press and hold the patient control Fowler and Knee Gatch down buttons until the motor stops. For faster reset, manually lift Fowler and Knee Gatch until locked.

Stretcher Operation

OPERATING SIDERAILS

CAUTION

Be sure the siderail latching mechanism (D) 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 (E) and raise to full up position so that latch (D) engages. (See illustration p 5).

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

CAUTION

Do not allow siderail to lower on its own.

USING PUSH HANDLES

CAUTION

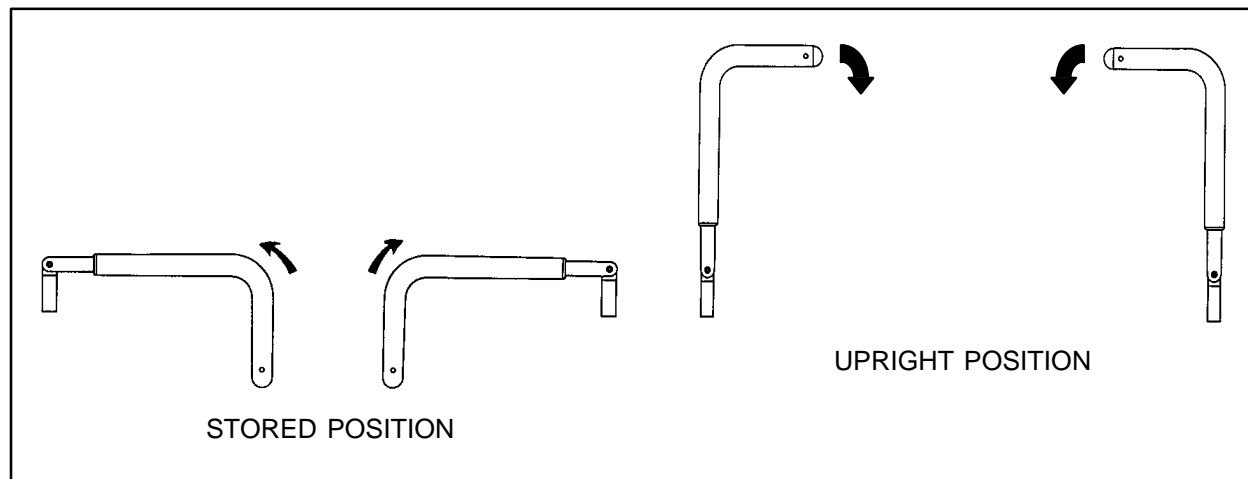
The push handles at the head end of the stretcher (F) should always be used when transporting patients. They were installed for this purpose for user convenience. Using other parts of the stretcher as push devices could cause damage.

To use the push handles:

Pivot the handles up and push down until they are locked into position.

To store the push handles:

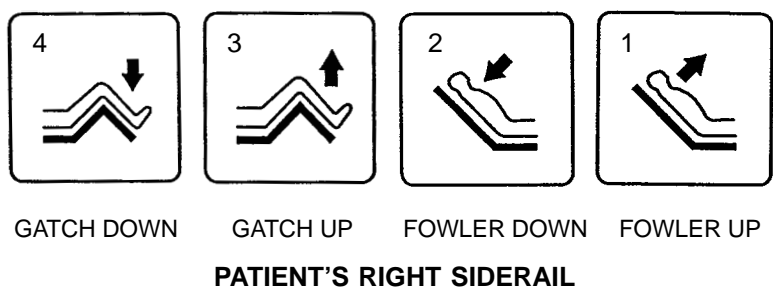
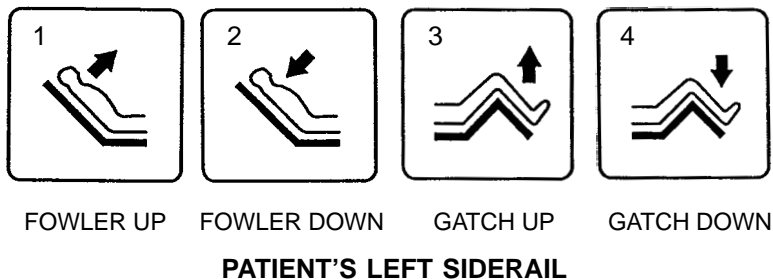
Lift the handles up and pivot them down to store in the handle rests.



Stretcher Operation

OPERATING SIDERAIL PATIENT CONTROLS

Each siderail has a set of controls to allow the patient to position the Fowler and Knee Gatch. The power cord must be plugged into the wall socket for the patient controls to operate.



1. Press to raise Fowler (head section).
2. Press to lower Fowler (head section).
3. Press to raise Knee Gatch (foot section).
4. Press to lower Knee Gatch (foot section).



NOTE

The figures on the siderail top rail are not function buttons. They are there to assist the nurse/attendant with operation of the patient controls.

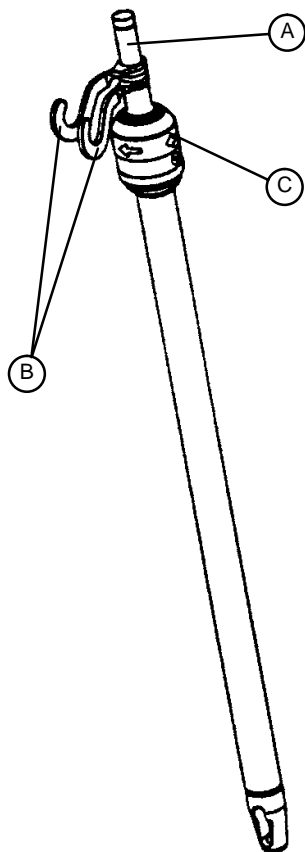
USING PATIENT CONTROL LOCKOUT

To prevent the patient from using the siderail controls to move the Fowler and Knee Gatch, press the lockout switch located at either end of the stretcher. The yellow LED beside the switch (as identified by the label at right) will be on when the patient controls are active.

**PATIENT CONTROLS
ARE ON
WHEN LIT**

Stretcher Operation

OPERATING 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 I.V. bags.
4. To lower the I.V. pole turn the latch (C) clockwise until section (A) lowers.

CAUTION

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

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

NOTE

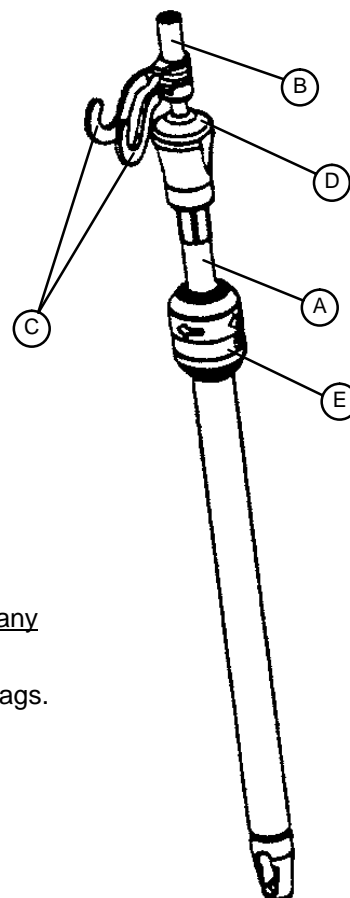
The 3-stage permanently attached I.V. pole is an option and may have been installed at either the head, foot or both ends of the stretcher. The choice was made at the time the stretcher was purchased.

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, lift 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

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

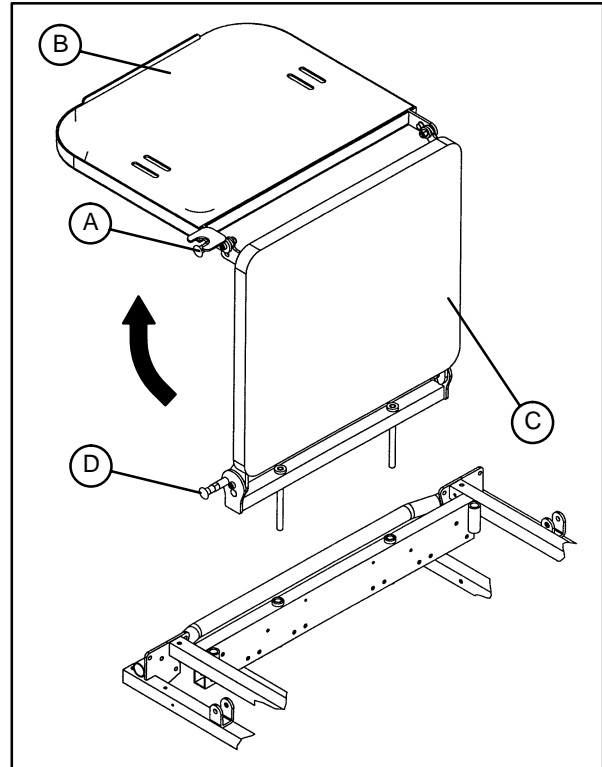


Stretcher Operation

OPERATING OPTIONAL FOOT EXTENSION/DEFIBRILLATOR TRAY

To use as a defibrillator tray, pull out top knob (A) and pivot tray (B) over the foot extension until tray extends flat over foot end of stretcher.

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 bottom knob (D) and lower the foot extension down until it is flat.



Preventative Maintenance

CLEANING

1. Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly.
2. 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.)

NOTE

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

CAUTION

Do not steam clean or hose off the Synergy Series Extended Stay Stretcher. Do not immerse any part of it. Some of the internal parts of the stretcher are electric and may be damaged by exposure to water.

BIANNUAL CHECKLIST

- _____ All fasteners secure (reference all assembly prints)
- _____ 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
- _____ Knee Gatch operates properly
- _____ Trendelenburg/Reverse Trendelenberg operating properly
- _____ No rips or cracks in mattress cover
- _____ Ground chain intact
- _____ No leaks at hydraulic connections
- _____ Hydraulic jacks holding properly
- _____ Hydraulic drop rate set properly
- _____ Hydraulic oil level sufficient
- _____ Lubricate where required, including the brake adjuster assembly and brake cam

Serial No. _____

Completed By: _____ Date: _____

Warranty

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. No employee or representative of Stryker is authorized to change this warranty in any way.

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.

Supplemental Warranty Coverage:

Stryker has developed a comprehensive program of extended warranty 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. Stryker offers the following Supplemental Warranties:

Extended (Parts and Labor)

- All replacement parts (excluding mattresses and consumable items)
- Labor and travel for *all* scheduled and unscheduled calls
- Annual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Standard (Labor Only):

- Labor and travel for *all* scheduled and unscheduled calls
- Annual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Basic (Parts Only):

- All replacement parts (excluding mattresses and consumable items)
- Priority Emergency Service

Please call your local representative, or call (800) 327-0770 for further information

Warranty

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.



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