

# S3™ MedSurg Bed

REF 3002

*International 230V*

# stryker®

## Operations Manual





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# Symbols and Definitions

	Warning, consult accompanying documentation
	Safe Working Load Symbol
	Dangerous Voltage Symbol
	Alternating Current
	Direct Current
	Protective Earth Terminal
	Potential Equalization Symbol
	<p>Type B Equipment: equipment providing a particular degree of protection against electric shock, particularly regarding allowable leakage current and reliability of the protective earth connection.</p> <p>Class 1 Equipment: equipment in which protection against electric shock does not rely on BASIC INSULATION only, but which includes an additional safety precaution in that means are provided for the connection of the EQUIPMENT to the protective earth conductor in the fixed wiring of the installation in such a way that ACCESSIBLE METAL PARTS cannot become live in the event of a failure of the BASIC INSULATION.</p> <p>Mode of Operation: Continuous</p>
<b>IPX4</b>	Protection from liquid splash
	Medical Equipment Classified by Underwriters Laboratories Inc. with Respect to Electric Shock, Fire, Mechanical and Other Specified Hazards Only in Accordance with UL 60601-1, First Edition (2003) and CAN/CSA C22.2 No. 601.1-M90 with updates 1 and 2 and IEC 60601-1 (1998) with Amendment 1 (1991) and Amendment 2 (1995).
	In accordance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment, this symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately. Refer to your local distributor for return and/or collection systems available in your country.
	Non-ionizing radiation; i.e. RF transmitter (WiFi)

# Symbols and Definitions

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## WARNING/CAUTION/NOTE DEFINITION

The words **Warning**, **Caution** and **Note** carry special meanings and should be carefully reviewed.

---

### **WARNING**

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

---

### **CAUTION**

Alerts the reader of a potentially hazardous situation, which if not avoided, may result in minor or moderate injury to the operator or patient or damage to the equipment 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.

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### **Note**

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

# Introduction

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This manual is designed to assist you with the maintenance of the S3™ MedSurg Bed, Model 3002. Read it thoroughly before using the equipment.

## **INTENDED USE – STRYKER S3™**

The S3™ MedSurg Bed, Model 3002 is intended to support and transport patients within the Med/Surg and Critical Care hospital environments. The S3™ MedSurg Bed, Model 3002 is typically used in pre-op, post-op and recovery areas of hospital facilities. The intended user for this product is both Health Care Providers (HCPs: nurses, nurses' aides, and medical doctors) and human patients. Lockout features may limit patient accessible controls. This product is to be used in combination with a patient sleep surface. The bed has fowler, gatch and lift articulation capabilities that aid in the adjustment of surface contour, angle, and height. The product offers various options, outlined in the product operations and maintenance manuals, including but not limited to iBed™ awareness, scale, IV pole, defib tray, etc. iBed awareness allows users to set various bed parameters to monitor bed positioning. Alerts inform users as to patient movement within a specific zone(s) on a patient surface. The bed may be equipped with an integrated scale intended to weigh the patient in bed. The scale output is not intended to be used to determine diagnosis or treatment. Both the iBed Awareness and Chaperone® Bed Exit system provide both visual and audible alerts.

The intended patient population for the S3™ MedSurg Bed, Model 3002 is as follows:

- The product should be used with patients upwards of 50 lbs and have a safe working load of 500 lbs.
- The patient must be at least 2 years old
- The patient must be less than 84" without a bed extender OR 96" with a bed extender

Please refer to the operations manual for environmental operation requirements.

The S3™ MedSurg Bed, Model 3002 has an expected service life of 15 years under normal use conditions and with appropriate periodic maintenance as described in the maintenance manual for each device.

The product is not intended to support more than one individual at a time.

# Introduction

## SPECIFICATIONS

	Safe Working Load		500 lbs	227 kg
	<b>Note:</b> Safe Working Load indicates the sum of the patient, mattress, and accessory weight.			
Bed Weight			570 lbs	259 kg
Scale System Capacity (optional equipment). Loads weighing up to			500 lbs	227 kg
Scale System Accuracy (optional equipment)			$\pm 3$ pounds for patients weighing 50 to 100 pounds $\pm 3\%$ of the total patient weight for patients weighing 100 to 500 pounds	
Overall Length/Width - Standard Bed		Siderails Up	93" x 41-1/2"	236,2 cm x 105,41 cm
		Siderails Down	93" x 39-1/2"	236,2 cm x 100,3 cm
Patient Sleep Surface - Standard Bed			84" x 35"	213,4 cm x 88,9 cm
Bed Height to Top of Seat Litter - 6" Casters			16" to 30" $\pm 0.5$	40,6 cm to 76,2 cm
Litter Platform to Top of Siderail	Full Up	Head End Siderail	15"	38,1 cm
	Full Up	Foot End Siderail	15-1/2"	39,37 cm
Space Between Siderails (Full Up)			2-1/4"	5,72 cm
Gatch Angle			0° to 45°	
Fowler Angle			0° to 60°	
Trendelenburg/Reverse Trendelenburg			$+12^\circ$ to $-10^\circ \pm 1^\circ$	
Electrical Requirements			230 VAC, 50/60 Hz, 8.0 A	
Battery Voltage			(1) 9V Nurse Call Option (Alkaline Battery)	
Noise Level			> 65dB	

## MATTRESS SPECIFICATIONS

Thickness	6"	15,2 cm
Width	$\geq 35$ "	$\geq 88,9$ cm
Length	$\geq 84$ "	$\geq 213,4$ cm
ILD	80 lbs	36.3 kg

The above stated mattress specifications assist in ensuring the product conforms to HBSW and IEC specifications.

# Introduction

## ENVIRONMENTAL CONDITIONS

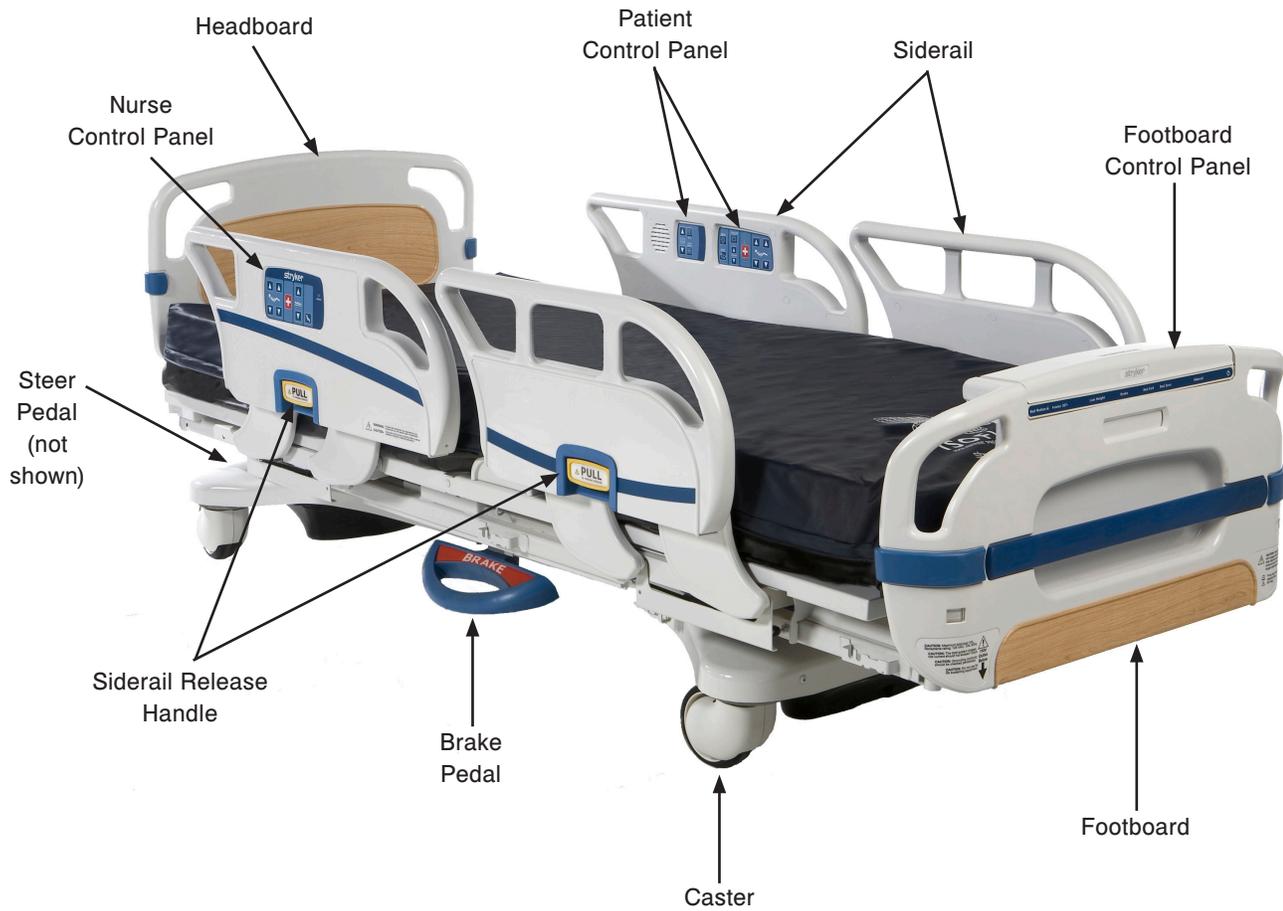
Environmental Conditions	Operation	Storage and Transportation
Ambient Temperature	<p>50 °F (10 °C)      104 °F (40 °C)</p>	<p>-22 °F (-30 °C)      140 °F (60 °C)</p>
Relative Humidity (Non-Condensing)	<p>30%      75%</p>	<p>10%      95%</p>
Atmospheric Pressure	<p>700 hPa      1060 hPa</p>	<p>500 hPa      1060 hPa</p>

***Stryker reserves the right to change specifications without notice.***

Specifications listed are approximate and may vary slightly from unit to unit or by power supply fluctuations.

# Introduction

## PRODUCT ILLUSTRATION



# Introduction

## CONTACT INFORMATION

Contact Stryker Customer Service or Technical Support at (800) 327-0770.

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

Please 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

The serial number is located at the head end of the bed just below the headboard and above the power cord where it comes out from the frame.



**A** →

**stryker**<sup>®</sup>  **IPX4** 

REF	3002 S3
SN	Serial No.
	Date of Mfg.
	230V ~ 50/60 Hz, 8A
	500 lbs. [227 Kg.]
<b>WARNING:</b> Does not tolerate machine washing or jet wash!	
Portage, MI 49002	Made in U.S.A.

This product is protected by the following U.S. patents, and other patents pending:  
US 5172442    US 5276432    US 5329657    US 5343581

# Summary of Safety Precautions

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Before operating the S3™ MedSurg Bed, Model 3002, it is important to read and understand all information in this manual. Carefully read and strictly follow the safety guidelines listed on this page. It is important that all operators have been trained and educated on the inherent hazards associated with the usage of electric beds.

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## WARNING

- Powered bed mechanisms can cause serious injury. Operate bed only with persons clear of mechanisms.
- Danger: Explosion hazard. Do not use in the presence of flammable anesthetics.
- Always apply the caster brakes when a patient is getting on or off the bed.
- Always keep the caster brakes applied when a patient is on the bed (except during transport). After the brake pedal is applied, push on the bed to ensure the brakes are locked. Serious injury could result if the bed moves while a patient is getting in or out of bed.
- Ensure the brakes are completely released prior to moving the unit. Attempting to move the unit with the brakes actuated could result in injury to the operator and/or patient.
- Do not attempt to move the foot end of the bed laterally when the steer pedal is activated. When the steer pedal is activated, the steer caster at the foot end of the bed cannot swivel. Attempting to move the bed laterally when the steer pedal is activated may cause injury to the operator.
- The S3™ MedSurg Bed, Model 3002 is not intended for use with patients less than two years of age.
- Serious injury can result if caution is not used when operating the unit. Operate the unit only when all persons are clear of the electrical and mechanical systems.
- To help reduce the number and severity of falls by patients, always leave the bed in the lowest position when the patient is unattended.
- When attaching equipment to the frame, ensure it will not impede normal frame operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, foley bags must not rest on brake pedal, etc. Use only a Stryker supplied interface cable. Use of any other cable may cause the bed to function improperly, which may result in patient or operator injury.
- The S3™ MedSurg Bed, Model 3002 is equipped with a hospital grade plug for protection against electric shock hazard. It must be plugged directly into a properly grounded three prong receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.
- When raising the siderails, listen for the “click”. When raising the siderail, the first click will indicate you can return to the intermediate position, the second click indicates its full up position. Once in position, move siderail from side to side to ensure it is locked into position. Siderails are not intended to be a patient restraint device. It is the responsibility of attending medical personnel to determine the degree of restraint and the siderail positioning to ensure a patient will remain safely in bed.
- The Bed Exit System is intended only to aid in the detection of a patient exiting the unit. It is NOT intended to replace patient monitoring protocol. The bed exit system signals when a patient is about to exit. Adding or subtracting objects from the frame after zeroing the weigh system may cause a reduction in the sensitivity of the bed exit system.
- Before servicing or cleaning the bed, always unplug the bed power cord from the wall socket and push the battery power on/off switch to the “OFF” position (if applicable). When working under a bed in the high position, always place blocks under the litter frame and apply the brakes to prevent injury in case the Bed Down switch is accidentally pressed.
- To avoid pinching your fingers, place the I.V. pole in the upright position before using the drive handle.
- When using any mattress and/or mattress overlay that increases the overall height greater than 6,” extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.
- When a Patient’s condition (such as disorientation due to medication or clinical condition) could lead to patient entrapment, the mattress support platform should be left in the flat position while the patient is unattended (except when required otherwise by medical staff for special or particular circumstances).
- Trendelenburg is not easily achievable when mains voltage has been interrupted.
- Medical electrical equipment (i.e. Optional Scale System) requires special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided on [page 63](#) to prevent equipment malfunction.
- The weight system is intended to assist in the monitoring of the patient’s weight variation. Under no circumstances should its reading be used as a sole reference for medical treatment.
- Portable and mobile RF communication equipment can affect Medical Electrical Equipment (i.e. Optional Scale System).

# Summary of Safety Precautions

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## WARNING (CONTINUED)

- To avoid malfunction, the Optional Scale System should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the Optional Scale System should be observed to verify normal operation in the configuration in which it will be used.

To avoid possible injury and to assure proper operation when using model number 2750, 2920, 2950 or 2981 mattress:

- Confirm proper scale system operation following mattress installation. For best results, secure the therapy mattress power cord to prevent damage to the cord or interference with the bed frame and the scale system.
  - Do not zero bed scales or weigh patient with Percussion, Vibration, Rotation or Turn Assist active. Patient motion and position resulting from the dynamic therapy mattress may adversely affect scale system performance.
  - Do not initialize (“arm”) bed exit with Percussion, Vibration, Rotation or Turn Assist active. The patient motion and position resulting from the dynamic therapy mattress may adversely affect bed exit system performance.
  - When using an XPRT (2950), Position PRO (2920), Impression (2981) or Symmetric Aire (2750) mattress, extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.
- 



## CAUTION

- Unplug bed during service or cleaning.
  - When large spills occur in the area of the circuit boards, 120 volt cables and motors, immediately unplug the bed power cord from the wall socket. Remove the patient from the bed and clean up the fluid. Have maintenance completely check the bed. Fluids can affect the operational capabilities of any electrical product. DO NOT put the bed back into service until it is completely dry and has been thoroughly tested for safe operation.
  - Preventative maintenance should be performed at a minimum of annually to ensure all bed features are functioning properly. Close attention should be given to safety features including, but not limited to, safety side latching mechanisms, frayed electrical cords and components, all electrical controls returning to the off or neutral position when released, caster braking systems, no controls or cabling entangled in bed mechanisms, leakage current 300  $\mu$ A (microamps) maximum, scale and bed exit systems calibrated properly, and the siderail gas spring not leaking oil.
  - Because individual beds may have different options, footboards should not be moved from one bed to another. Mixing footboards could result in unpredictable bed operation.
  - The lockout buttons on the footboard lock the Fowler, Gatch and Bed Up/Down functions and prevent motion of the bed. It is the responsibility of attending medical personnel to determine whether these functions should be locked and to use the buttons accordingly.
  - The maximum safe working load for each I.V. pole is 40 pounds.
  - I.V. Poles should not be used as a bed push/pull device.
  - Scale function may be affected by siderail/caster interference. With the litter fully lowered or lowered in Reverse Trendelenburg, the siderails tucked under the litter in the storage position and the casters turned, there is the potential for interference between the siderail and the caster. Raise the siderails when lowering the litter to the full down position to prevent the interference from causing the scale system to weigh inaccurately
  - The use of a mattress overlay may reduce the effectiveness of the siderail.
  - The cleanliness and integrity of both ground chains must be maintained to minimize static build up and discharge.
  - Do not add or remove weight when the bed exit system is armed.
  - There is a possible fire hazard when using half bed length type oxygen administering equipment. Ensure the siderails are outside of the tent.
  - There is a possible fire hazard when used with oxygen administering equipment of other than the nasal or mask type. Lock the control at foot of bed when using oxygen administering equipment.
  - The weight of the foley bags placed on isolated bag hooks should not exceed five pounds.
  - The weight of pumps placed on footboard pump holder should not exceed 45 pounds.
  - The safe working load of the defibrillator tray is 40 lbs.
  - The safe working load of the oxygen holder is 45 lbs.
  - Scale accuracy specifications do not apply for patients under 50 lbs.
-

# Summary of Safety Precautions

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## **iBED® AWARENESS OPTION**

In addition to the previous warnings and cautions, all of the following warnings and cautions apply to units equipped with the *iBed*® Awareness option.



### **WARNING**

- The optional *iBed*® Awareness system only indicates the siderail position, it does NOT indicate if the siderail is locked. It is the caregiver's responsibility to ensure that the siderails are locked after every move and also before leaving a patient in the room.
  - The optional *iBed*® Awareness system indicator lights are only an aid to the caregiver, and in no way replace the caregiver's responsibility of checking on patients. Caregivers should not rely on the lights to perform their duties.
  - Before arming the optional *iBed*® Awareness system, the nurse must physically verify that the siderails are locked.
- 



### **CAUTION**

- If the optional *iBed*® Awareness system is being used, ensure the bed is in the desirable state (*iBed*® Awareness ON and with the light green) before leaving the room.
  - If the optional *iBed*® Awareness system is being used and the *iBed*® Awareness is alerting, do not turn off *iBed*® Awareness as the display information to troubleshoot the bed will get lost.
  - If the optional *iBed*® Awareness system is being used, use of accessories that cover the center and side alert lights at the footboard are not recommended.
-

# Setup Procedures

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It is important that the S3™ MedSurg Bed, Model 3002 is working properly before it is put into service. The following list will help ensure that each part of the bed is tested.



## WARNING

- The S3™ MedSurg Bed, Model 3002 is equipped with a hospital grade plug for protection against electric shock hazard. It must be plugged directly into a properly grounded three prong receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.
  - Use only a Stryker supplied interface cable. Use of any other cable may cause the bed to function improperly which may result in patient or operator injury.
- 

1. Plug the bed into a properly grounded, hospital grade wall receptacle and ensure the  LED light at the foot end of the bed comes on.
2. Plug the optional interface cable into the 37-pin connector under the litter frame at the head end of the bed, into the “Patient Station”, “Head Wall”, “Docker Station” or equivalent (whichever applies). Test the interface cable to verify it is functioning properly.
3. Ensure the siderails raise, lower, lock in the up position, lock in the intermediate position when lowered and store smoothly ([see page 18](#)).
4. Ensure that all four casters lock when the brake pedal is engaged ([see page 16](#)).
5. Raise the fowler (head of bed) up to approximately 60°. Squeeze the CPR release handle and ensure the back will drop with minimal effort.

### Note

Ensure that the “Brake” LED located on the outside of the head end siderails and on the footboard control panel blink when the brakes are not engaged.

6. Perform each function on the footboard control panel to ensure that each function is working properly ([see page 26](#)).
7. Perform each function on both head end siderails to ensure that each is working properly ([see page 18](#)).
8. Activate the motion stop system to ensure it is functioning properly; press and hold the BED DOWN key. As the bed lowers, push up on the motion interrupt pan under the bed and ensure the downward motion stops. Release the pan and allow the downward motion to continue.

### Note

The bed’s upward motion or other functions are not disrupted by the motion stop system.

9. If the bed is equipped with the Nurse Call option, verify it is functioning properly prior to patient use.

# Base Operation Guide

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## BRAKE PEDAL OPERATION

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### WARNING

Always apply the caster brakes when a patient is getting on or off the bed. Push the bed sideways to ensure the brakes are securely locked. Always engage the brakes unless the bed is being moved. Injury could result if the bed moves while a patient is getting on or off the bed.

---

To activate the brakes, push down once on one of the pedals located at the midpoint of the bed on both sides (identified by the label at right). The pedal will remain in the lowered position, indicating the brakes are engaged. To disengage the brakes, push down once and the pedal will return to the upper position.



### Note

The LED lights located on the outside of the head end siderails and on the foot end control panel will blink when the brakes are not engaged only if the bed is plugged into a wall socket or is running on battery power (see page 21 & page 28 - page 29). The brakes will still operate properly when the bed is not plugged in.

## STEER PEDAL OPERATION

When the bed is moved, the steer caster helps guide the bed along a straight line and helps the bed pivot around corners.

To activate the steer caster, move the pedal located at the head end of the bed to your right as shown on the label.



### Note

For proper “tracking” of the steer caster, push the bed approximately 10 feet to allow the wheels to face the direction of travel before engaging the steer pedal. If this is not done, proper “tracking” will not occur and the bed will be difficult to steer.

---

### WARNING

Do not attempt to move the foot end of the bed laterally when the steer pedal is activated. When the steer pedal is activated, the steer caster at the foot end of the bed cannot swivel. Attempting to move the bed laterally when the steer pedal is activated may cause injury to the operator.

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# Litter Operation Guide

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## CPR EMERGENCY RELEASE

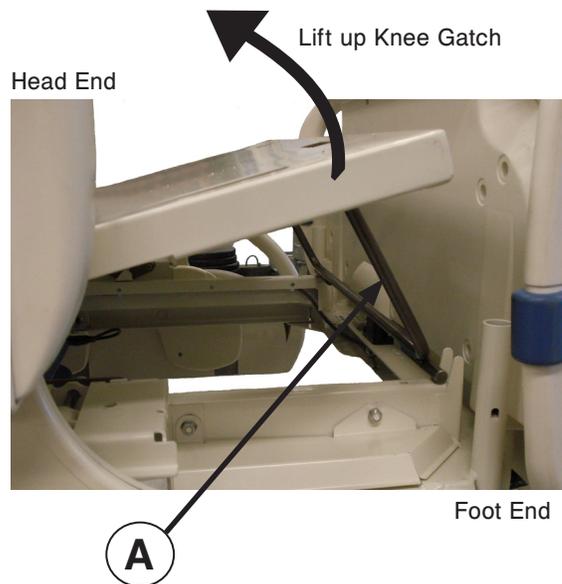
When quick access to the patient is needed, and the Fowler (head of bed) is raised, squeeze one of the two release handles (marked by the red CPR label) and the fowler can quickly be guided down to a flat position.

### Note

The handle can be released at any time to stop the Fowler from lowering.

## FOOT PROP USAGE

The foot prop causes the foot end of the Knee Gatch to rise when the Gatch button is used to raise the Gatch. To lower the foot end of the Gatch, release the prop by grasping the end of the Knee Gatch, lifting upward and swinging the prop (A) toward the head end of the bed which will disengage the prop stop.



---

### WARNING

To avoid injury while cleaning or servicing under the foot section, secure the foot section with string or bungee cords or hold it up out of the way.

---

## FRACTURE FRAME USAGE

A standard fracture frame can be mounted on the bed using the I.V. sockets located on all four corners of the bed. I.V. poles can be used in conjunction with a fracture frame if the I.V. pole adaptor sockets are purchased.

---

### WARNING

Use only retractable traction or fracture frames. Failure to use a retractable frame may result in injury to the patient and/or damage to the equipment.

---

## FOLEY BAG HOOKS USAGE

The standard foley bag hooks are found at four locations (on each side of the bed); below the seat (middle) section and at the extreme foot end of the frame. Optional isolated foley bag hooks can be purchased and are located at the foot end of the bed under the frame. The patient weight reading on the scale system is not affected when the optional isolated foley bag hooks are used.

## PATIENT RESTRAINT STRAP LOCATIONS

The bed has 10 locations for installing patient restraint straps on the litter top, five on each side of the bed.

---

### WARNING

Improperly adjusted restraint straps can cause serious injury to a patient. The clinician must use her/his judgement to determine proper use of restraint straps and restraint strap locations. 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.)

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# Litter Operation Guide

## POSITIONING SIDERAILS

- The siderails can be locked at two heights (intermediate & full up).
- The siderails can slide in towards the bed when not in use. To remove the rail from the tucked position, grasp the top of the rail and pull outward.
- To raise head end siderail to full height position, grasp the rail and swing it upward until it locks in place (two clicks are heard).

**Note: When the siderail is being raised, it does not lock in the intermediate position unless it is brought back after the first click.**

- To lower the siderail and lock in intermediate position, pull outward on the siderail release handle (A) and rotate the siderail down toward the head end of the bed until it locks at the intermediate position.
- To lower the siderail in its full down position, pull outward on the release handle (A) and rotate the siderail downward toward the head end of the bed until it is completely lowered.
- To raise and lower the foot end siderail, the same procedures are required as for the head end siderail, however, the siderail swings toward the foot end of the bed.

### WARNING

- Be sure the siderail is locked securely into position.
- Siderails in a full up or intermediate position are not intended to keep patients from exiting the bed. They are designed to keep a patient from inadvertently rolling off the bed. Proper restraint methods should be utilized to ensure the patient remains in the bed.
- The intermediate position is only intended to assist patients and operators when getting in or out of the bed in addition to assisting in positioning themselves in the bed.
- The Intermediate position should not be used in place of the full up position.
- The siderails are not intended to be used as a push device.



To disengage the rail, pull outward on release handle (A) and swing the rail down to the desired height (intermediate or full down). When storing siderails, ensure they are at a full down position.

## CONTROL PANEL LIGHTS

The bed is equipped with lights to illuminate the head end siderail control panel and the red nurse call switches. Both can be activated at the footboard control panel. Five settings are available for the control panel lights: Off, Low Intensity, Medium Intensity, High Intensity and Nurse Call Only.

To change the control panel light settings, press the “Menu” button on the footboard. Scroll down through the menu items and select “Backlight” then press “Enter”. Select the desired setting by highlighting it and then pressing “Enter”.

# Litter Operation Guide

## OPERATING I.V. POLES

### WARNING

To avoid pinching your fingers, place the I.V. pole in the upright position before using the drive handle.

### To use the “Removable” I.V. pole:

1. Install the pole at any of the four receptacles on the bed top (located on all four corners of the frame).
2. To raise the height of the pole, turn knob (A) counterclockwise and pull up on the telescoping portion (B) of the pole and raise it to the desired height.
3. Turn knob (A) clockwise to tighten the telescoping portion in place.

### CAUTION

The maximum safe working load for each I.V. pole is 40 pounds.

### To use the 2-Stage Permanently Attached I.V. pole:

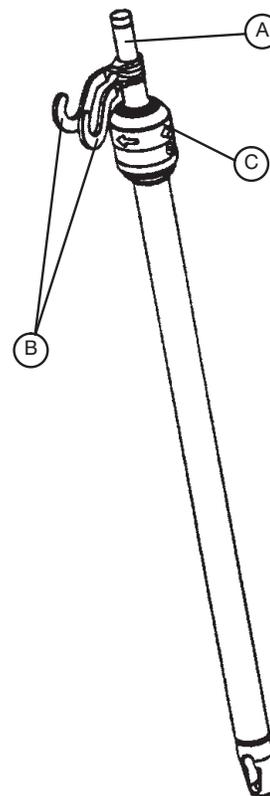
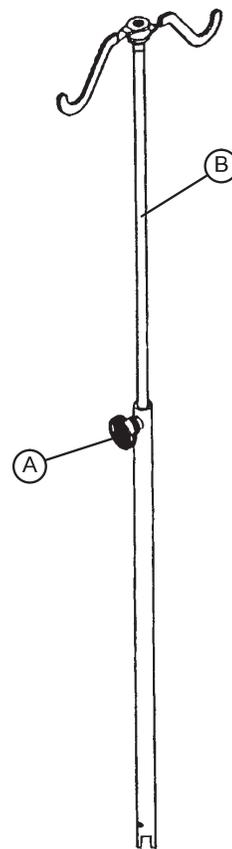
#### Note

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 bed. The choice was made at the time the unit was purchased.

1. Lift and pivot the pole from the storage position and push down until it rests in 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

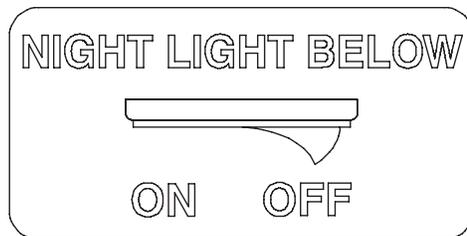
The maximum safe working load for each I.V. pole is 40 pounds.



# Litter Operation Guide

## NIGHT LIGHT USAGE

The bed is equipped with two night lights to illuminate the floor area around the bed. There is a switch under the litter thigh section on the patient's left side that turns both lights on and off.

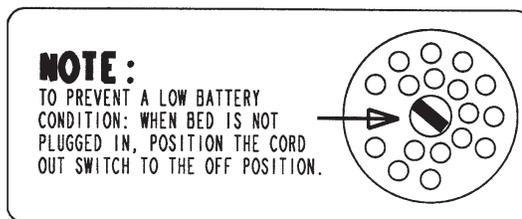


## WARNING

Service only by qualified personnel. Refer to the maintenance manual. Verify the power cord is unplugged before servicing.

## NURSE CALL BACKUP BATTERY (OPTIONAL)

- To prevent a low battery condition when the bed is not plugged in, position the cord out switch at the head end of the bed to the off position. The switch is identified by the label shown below. If the switch is not positioned as shown below and the bed power cord and pendant cord are unplugged, the life of the backup battery will be significantly reduced.



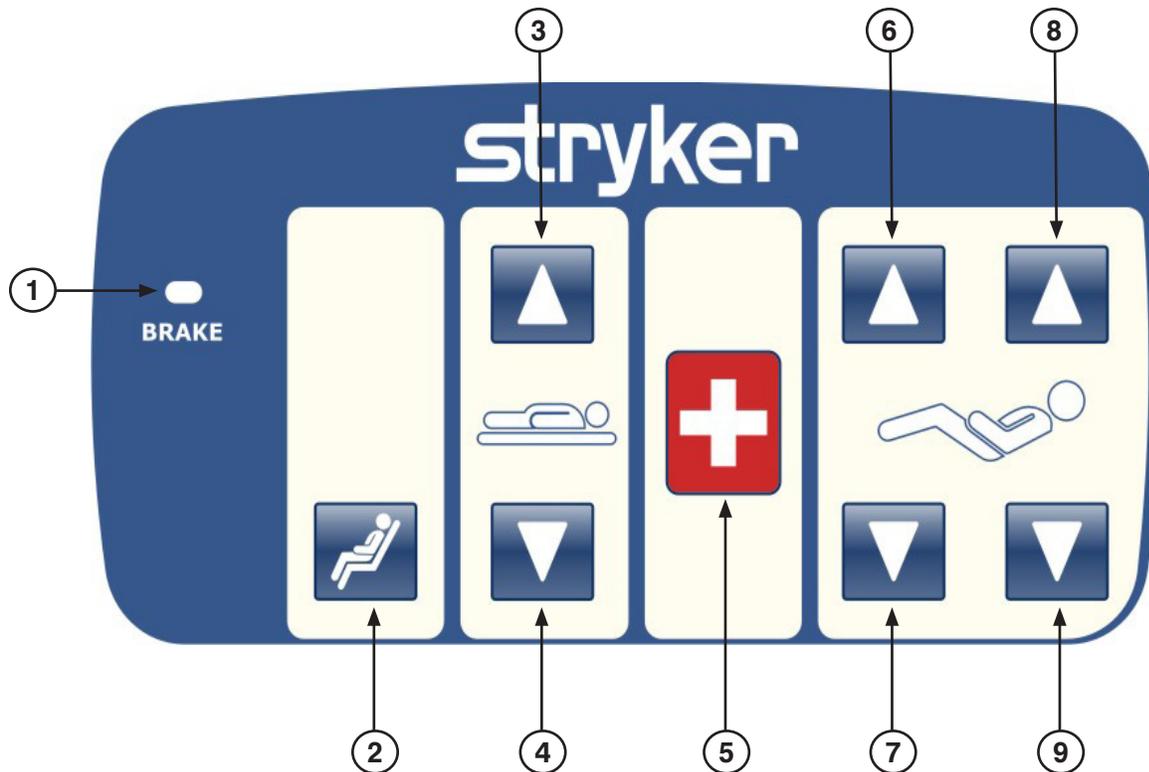
- If the Nurse Call battery needs to be replaced, a message will appear on the footboard display. The battery is located on the patient's left side at the head end of the bed. No tools are required to replace the battery. Unplug the bed power cord from the wall socket and remove the battery from its housing to replace.

## 1/4" NURSE CALL PORT (OPTIONAL)

- The optional 1/4" nurse call port is only designed to function with nurse call cords that have a 1/4" TS connector.
- Fully insert the attached dummy plug into the port whenever a nurse call cord is not inserted into the port.
- If a continuous nurse call signal is observed, ensure that the dummy plug or a compatible nurse call cord is fully inserted into the port.

# Siderail Operation Guide

## NURSE CONTROL FUNCTIONS (OUTSIDE SIDERAIL)



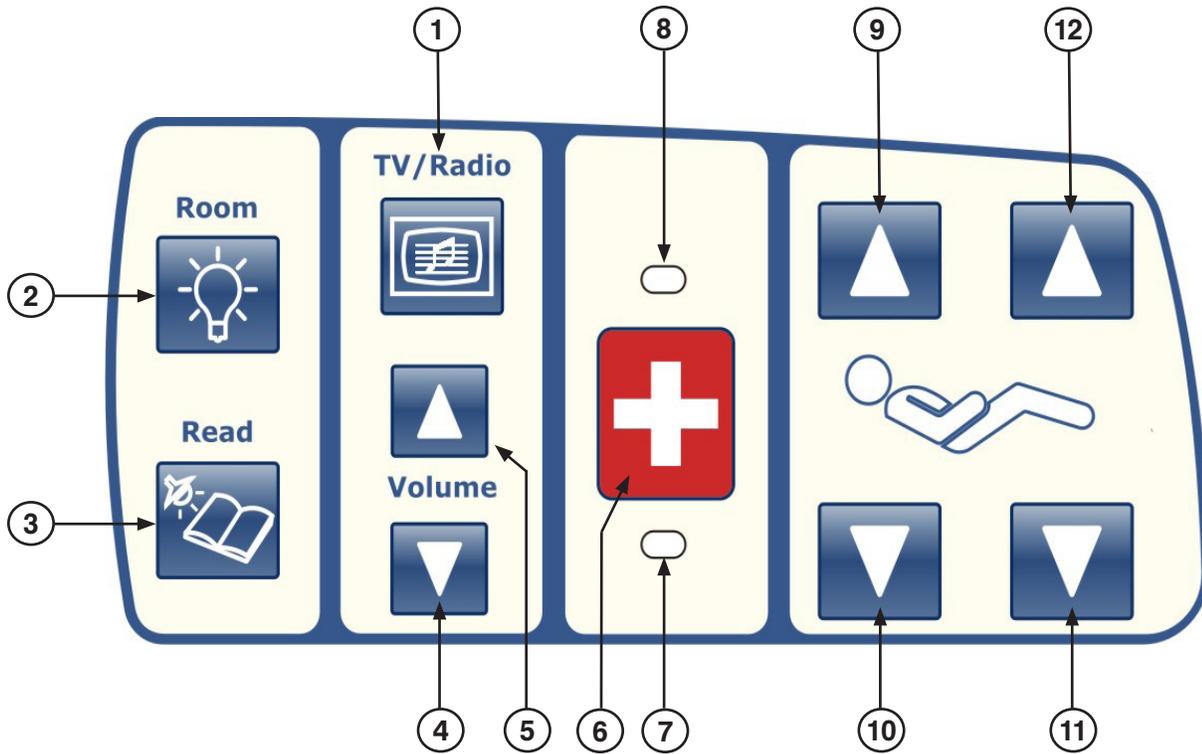
**LEFT OUTER SIDERAIL SHOWN**  
(Right Outer Siderail same as the Left)

Button	Button Name	Button Function
1	Brake LED	LED flashes when Brakes are not engaged. LED is "Off" when brakes are engaged.
2	Cardiac Chair	Press to activate the Cardiac Chair function. <ul style="list-style-type: none"> <li>The Knee will raise.</li> <li>The back will raise to approximately 60°</li> <li>The bed will tilt to approximately -10° reverse Trendelenburg (foot end down).</li> </ul>
3	Bed/Litter Up	Press to raise the Bed/Litter.
4	Bed/Litter Down	Press to lower the Bed/Litter.
5	Nurse Call	Push to activate Nurse Call.
6	Knee Gatch Up	Press to raise the Knee Gatch.
7	Knee Gatch Down	Press to lower the Knee Gatch.
8	Fowler Up	Press to raise the Fowler.
9	Fowler Down	Press to lower the Fowler.

Note: The intent of the nurse call light on the siderails is to ensure the patient immediately knows which button to push to contact the nurse station. Turning the light off may compromise this ability, especially in a darkened room.

# Siderail Operation Guide

## PATIENT CONTROL FUNCTIONS WITHOUT OPTIONAL SMART TV (INSIDE SIDERAIL)



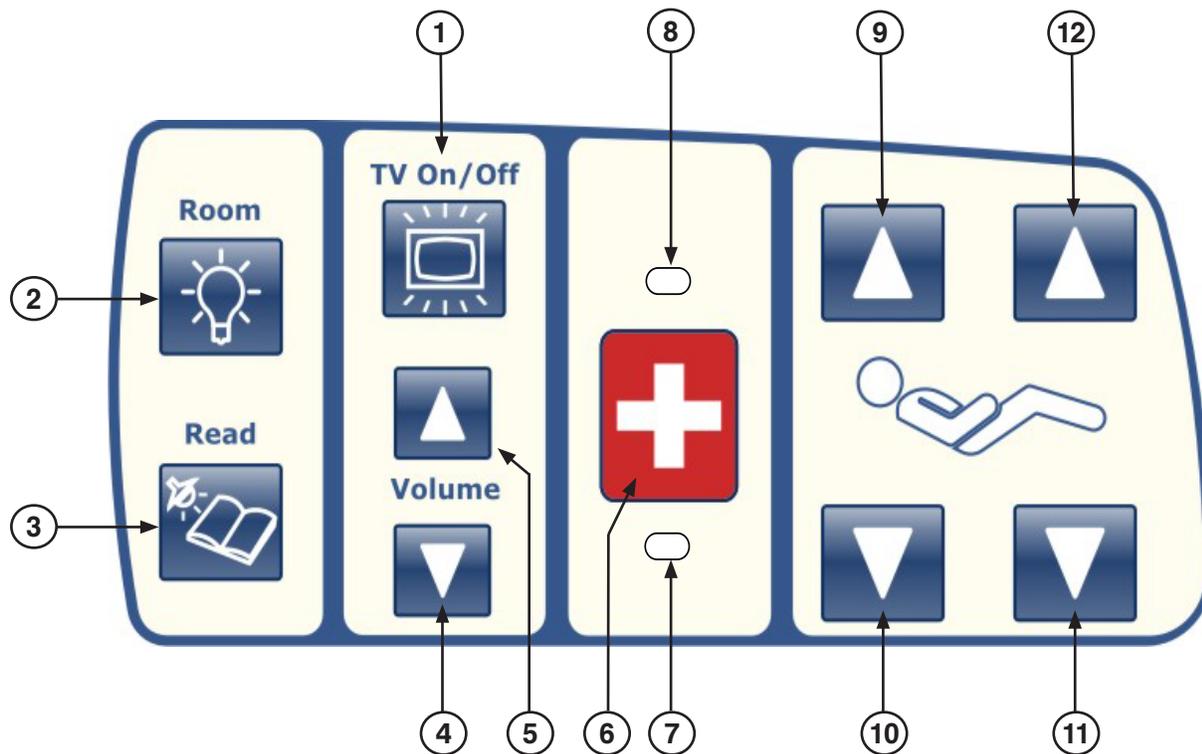
### LEFT INSIDE SIDERAIL SHOWN

(Right Inside Siderail same as the Left with exception of the Nurse Call and Nurse Answer LED. LED 7 and 8 will change positions on the right inner siderail )

Button	Button Name	Button Function
1	TV / Radio	Press to turn TV or radio on and to select a channel.
2	Room Light	Press to turn the room light On/Off.
3	Bed Overhead Light	Press to turn the bed overhead light On/Off.
4	TV/Radio Volume Down	Press to decrease volume; TV or Radio.
5	TV/Radio Volume Up	Press to increase volume; TV or Radio.
6	Nurse Call	Press to activate Nurse Call. <b>Note:</b> Amber LED will light when button is pushed. Green LED will light with Nurse Station acknowledgment.
7	Nurse Call LED	Illuminates amber when nurse call has been pressed by patient.
8	Nurse Call Answer LED	Illuminates green when answered by Nurse.
9	Fowler Up	Press to raise the Fowler.
10	Fowler Down	Press to lower the Fowler.
11	Knee Gatch Down	Press to lower the Knee Gatch.
12	Knee Gatch Up	Press to raise the Knee Gatch.

# Siderail Operation Guide

## PATIENT CONTROL FUNCTIONS WITH OPTIONAL SMART TV (INSIDE SIDERAIL)

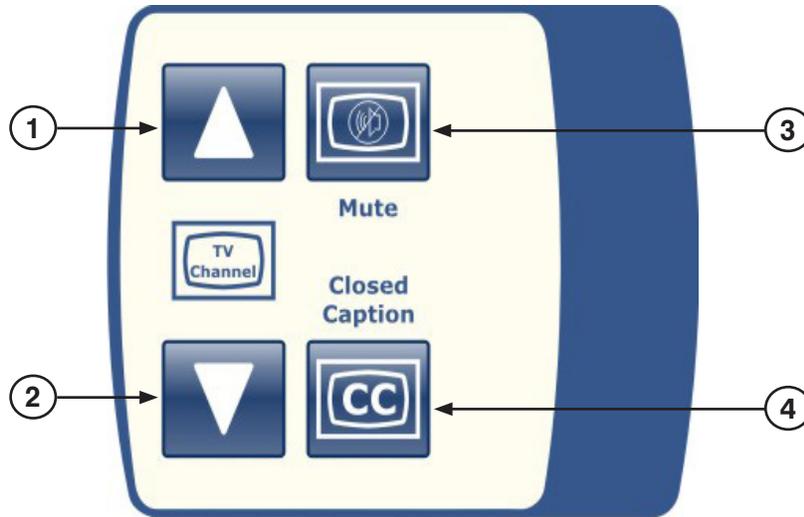


**LEFT INSIDE SIDERAIL SHOWN**  
(Right Inside Siderail same as the Left)

Button	Button Name	Button Function
1	TV On/Off	Press to turn TV on or off.
2	Room Light	Press to turn the room light On/Off.
3	Bed Overhead Light	Press to turn the bed overhead light On/Off.
4	TV/ Volume Down	Press to decrease TV volume.
5	TV/ Volume Up	Press to increase TV volume.
6	Nurse Call	Press to activate Nurse Call. <b>Note:</b> Amber LED will light when button is pushed. Green LED will light with Nurse Station acknowledgment.
7	Nurse Call LED	Illuminates amber when nurse call has been pressed by patient.
8	Nurse Call Answer LED	Illuminates green when answered by Nurse.
9	Fowler Up	Press to raise the Fowler.
10	Fowler Down	Press to lower the Fowler.
11	Knee Gatch Down	Press to lower the Knee Gatch.
12	Knee Gatch Up	Press to raise the Knee Gatch.

# Siderail Operation Guide

## PATIENT TV CHANNEL CONTROL FUNCTIONS WITH OPTIONAL SMART TV (INSIDE SIDERAIL)



**LEFT INSIDE SIDERAIL SHOWN**  
*(Right Inside Siderail same as the Left)*

Button	Button Name	Button Function
1	TV Channel Up	Press to change TV channel up.
2	TV Channel Down	Press to change TV channel down.
3	Mute TV	Press to mute TV volume. Press again to turn the sound back on.
4	Closed Caption	Press to display the closed captioning. Press again to turn off the closed captioning.

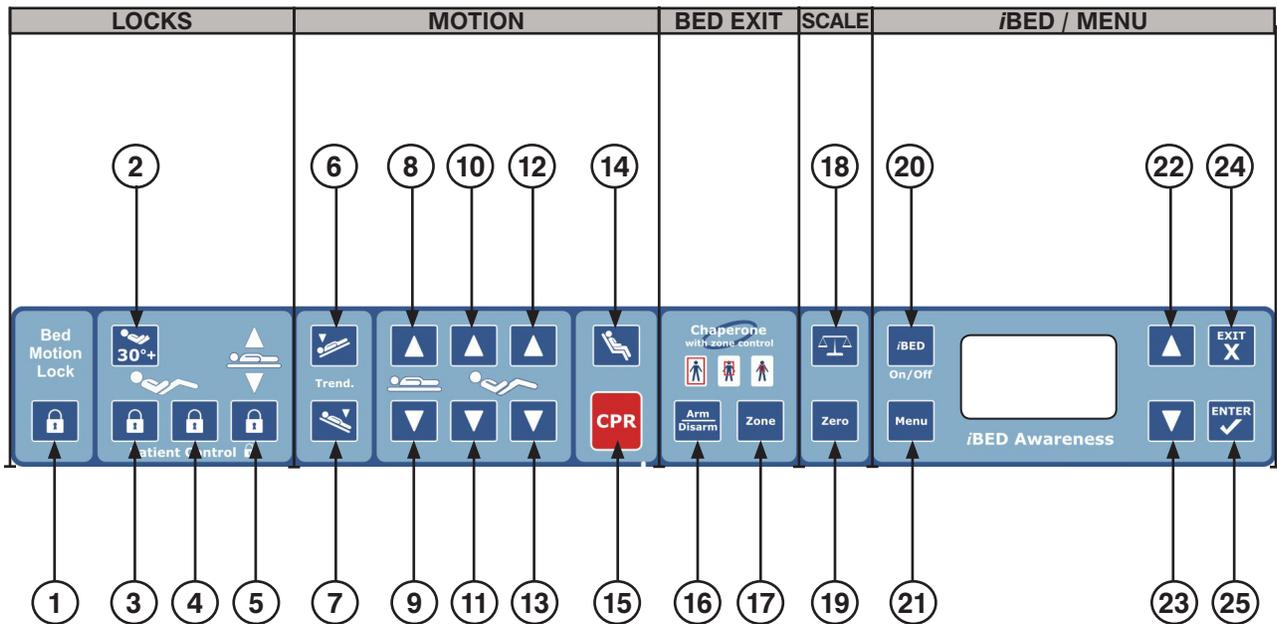
# Footboard Operation Guide

## INTENDED USE

The *i*Bed® Awareness system is intended to serve as a secondary monitoring system, informing the operator via a visual or audible alert when a preset condition changes.

- When the *i*Bed® Awareness is turned “On”, the system has the ability to automatically monitor the following:
  - Brake Set/Not Set
  - Siderail Position
- Additionally, when the bed is in low height and/or Chaperone Bed Exit with Zone Control system is armed and/or the Fowler 30+ is “On”, the system has the ability to monitor these features independently when *i*Bed® Awareness is turned “On”.

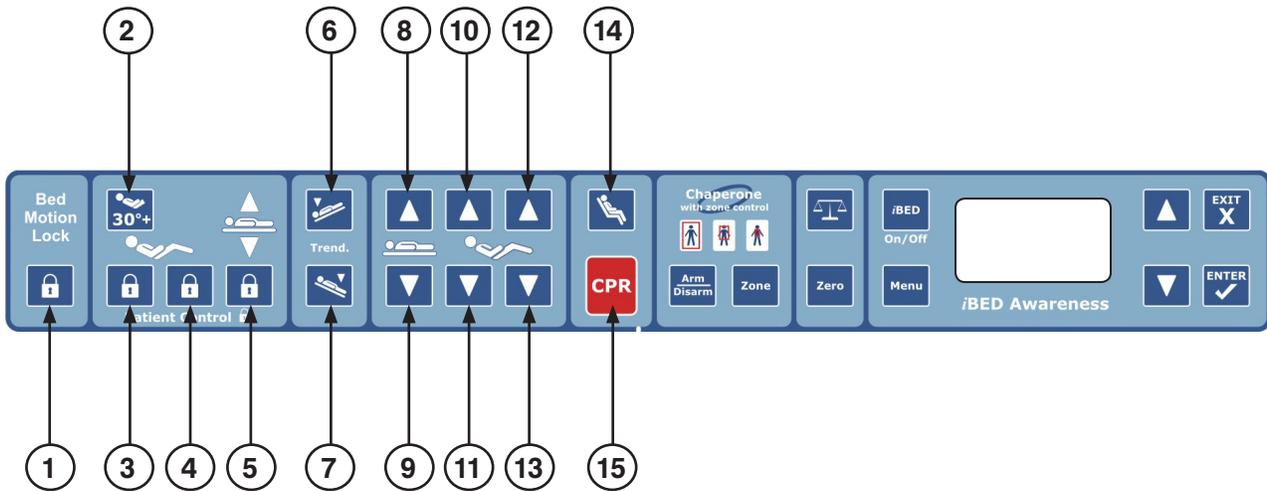
## FOOTBOARD CONTROL PANEL BUTTONS



Button	Name	Button	Name	Button	Name
1	Bed Motion Lock	9	Bed/Litter Down	18	Scale
2	Fowler 30 <sup>0</sup> +	10	Fowler Up	19	Scale Zero
3	Patient Fowler Lock	11	Fowler Down	20	<i>i</i> Bed On/Off
4	Patient Gatch Lock	12	Knee Gatch Up	21	Menu
5	Patient Bed Up/ Down Lock	13	Knee Gatch Down	22	Menu Up
6	Trend	14	Cardiac Chair	23	Menu Down
7	Reverse Trend	15	CPR Drop	24	Exit
8	Bed/Litter Up	16	Bed Exit Arm/Disarm	25	Enter
		17	Bed Exit Zone Control		

# Footboard Operation Guide

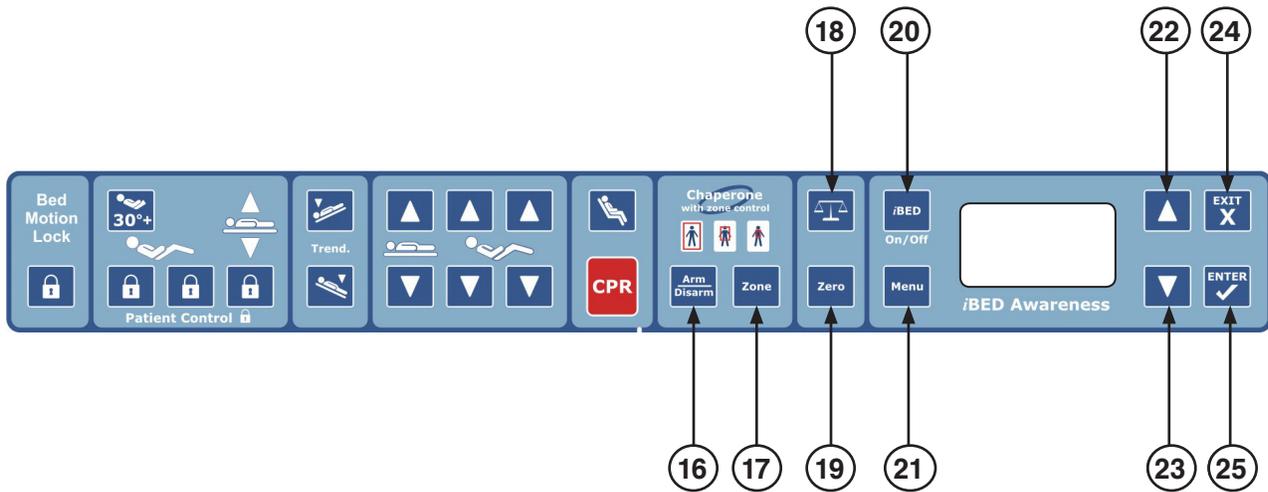
## FOOTBOARD CONTROL PANEL FUNCTIONS



	Button	Name	Function
<b>LOCKS</b>	1	Bed Motion Lock	Locks all motion on bed. The Bed Motion Lock button will illuminate when activated.
	2	Fowler 30°+	Moves bed out of trend and raises the Fowler to 30°. The Fowler 30°+ button and dashboard light will illuminate when activated. Note: The Fowler will not go below 30° once the Fowler 30°+ lock is activated. However, it may be raised or lowered in the 30° to 60° range.
	3	Patient Fowler Lock	Locks out Fowler control at all locations (Siderail, Pendant, Head End) with the exception of the operator controls located on the Footboard. The Patient Fowler Lock button will illuminate when activated.
	4	Patient Gatch Lock	Locks out Gatch control at all locations (Siderail, Pendant, Head End). The Patient Gatch Lock button will illuminate when activated. This function also prevents the auto contour of the Gatch when motion is used. <b>Note:</b> Auto contour is the feature of the bed that when fowler is actuated, Gatch automatically moves with the Fowler.
	5	Patient Bed Up/Down Lock	Locks out Bed Height control at all locations (Siderail, Pendant, Head End) with the exception of the operator controls located on the Footboard. The Patient Bed Up/Down Lock button and Bed Motion dashboard light will illuminate when activated.
<b>MOTION</b>	6	Trendelenburg	Lowers head end and raises foot end of bed.
	7	Reverse Trendelenburg	Lowers foot end and raises head end of bed
	8	Bed/Litter Up	Raises Bed/Litter.
	9	Bed/Litter Down	Lowers Bed/Litter.
	10	Fowler Up	Raises Fowler.
	11	Fowler Down	Lowers Fowler.
	12	Knee Gatch Up	Raises Knee Gatch.
	13	Knee Gatch Down	Lowers Knee Gatch.
	14	Cardiac Chair	When activated, the knee will raise, the Fowler will raise or lower to approximately 60° degrees and the bed will tilt to approximately -10° Reverse Trendelenburg (foot end down).
	15	CPR Drop	Activates electronic CPR function; flattens litter and puts bed in low height.

# Footboard Operation Guide

## FOOTBOARD CONTROL PANEL FUNCTIONS (CONTINUED)

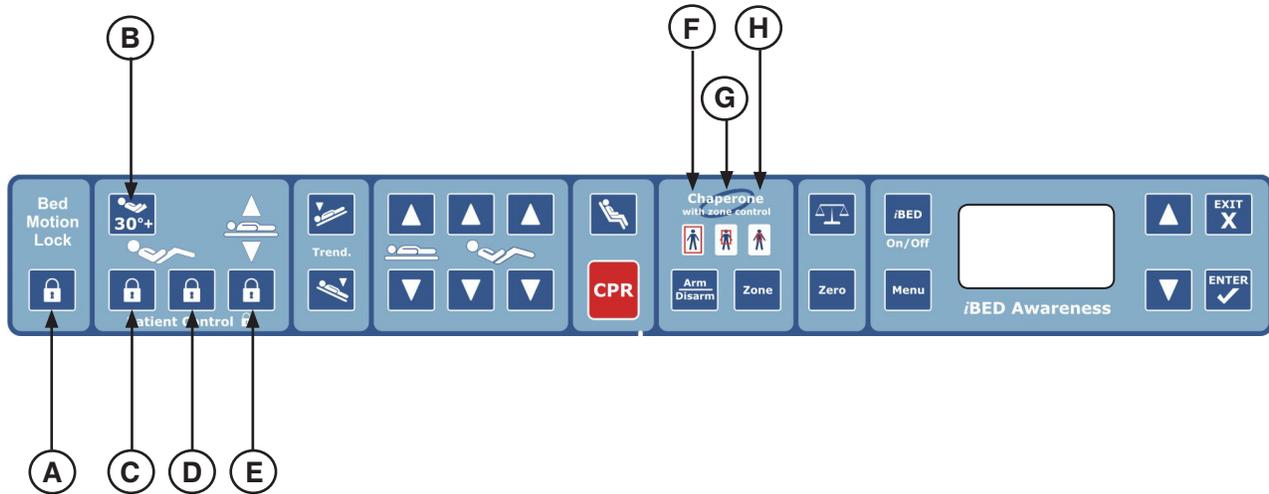


	Button	Name	Function
<b>BED EXIT</b>	16	Bed Exit Arm/Disarm	Activates Bed Exit system. The selected zone graphic will illuminate when activated. When Bed Exit is in alarm mode, press and hold "Arm/Disarm" to turn Bed Exit "Off".
	17	Zone Control	Changes the Zone.
<b>SCALE</b>	18	Scale	Displays scale information on screen.
	19	Zero	Zeroes Bed.
<b>iBED/MENU</b>	20	On/Off	Turns iBed® Awareness system ON/OFF.
	21	Menu	Accesses MENU selections.
	22	Menu Up	Scroll Up through menu.
	23	Menu Down	Scroll Down through menu.
	24	Exit	Exits or Escapes from menu selection; also used to Cancel operations.
	25	Enter	Selects menu item; also used to Save operations.

# Footboard Operation Guide

## LED INDICATORS: FOOTBOARD

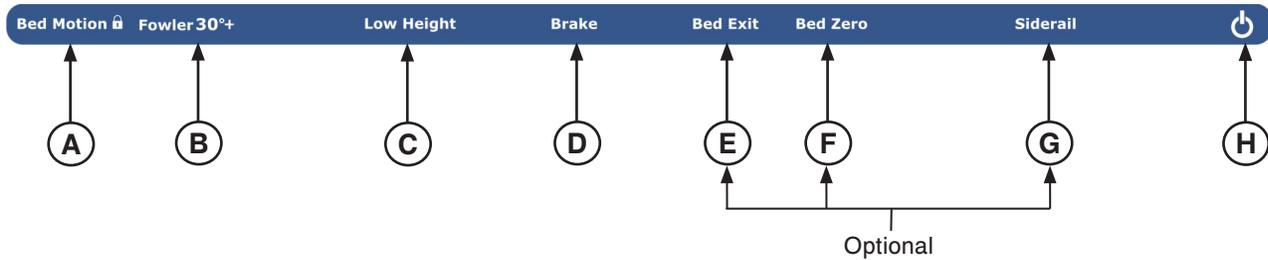
The LED's inform the operator of various product conditions as listed below.



LED	Name: Function	LED Color
A	<b>Bed Motion Lock LED:</b> LED is illuminated if Bed Motion is locked; blinking if motion is attempted when lock is "On".	AMBER
B	<b>Fowler 30°+ Lock LED:</b> LED is illuminated if Fowler 30°+ is locked; blinking if locked and Fowler motion is attempted while Fowler is at 30°; flashes if lock condition is violated by CPR.	AMBER
C	<b>Patient Control Fowler Lock LED:</b> LED is illuminated if the Patient Fowler Lock is "On".	AMBER
D	<b>Patient Control Gatch Lock LED:</b> LED is illuminated if the Patient Gatch Lock is "On".	AMBER
E	<b>Patient Control Bed Up/Down Lock LED:</b> LED is illuminated if the Patient Bed Up/Down Lock is "On".	AMBER
F	<b>Zone 1 LED:</b> LED is illuminated when Bed Exit is "On" and Zone 1 activated; flashes if a Bed Exit event occurs.	AMBER
G	<b>Zone 2 LED:</b> LED is illuminated when Bed Exit is "On" and Zone 2 activated; flashes if a Bed Exit event occurs.	AMBER
H	<b>Zone 3 LED:</b> LED is illuminated when Bed Exit is "On" and Zone 3 activated; flashes if a Bed Exit event occurs.	AMBER

# Footboard Operation Guide

## LED INDICATORS: FOOTBOARD (CONTINUED)



LED	Name: Function	LED Color
A	<b>Bed Motion Lock LED:</b> LED is illuminated when Bed Motion Lock is activated or when the Patient Control (Fowler, Gatch, Bed Up/Down) Lock buttons are activated.	AMBER
B	<b>Fowler 30<sup>+</sup> LED:</b> LED is illuminated when the Fowler 30+ is locked. The LED will blink if the <i>i</i> Bed <sup>®</sup> Awareness system is “On”, the Fowler 30+ is being monitored and the Fowler goes below 30 degrees or the Fowler 30+ is turned “Off”.	AMBER
C	<b>Low Height LED:</b> LED is illuminated when bed is in low height. The LED will blink if the <i>i</i> Bed <sup>®</sup> Awareness system is “On”, the low height is being monitored, and the bed is not in low height.	AMBER
D	<b>Brake LED:</b> LED is illuminated when the brake is set, and will blink if the brake is not set.	AMBER
E	<b>Bed Exit LED (Optional):</b> LED is illuminated when the Bed Exit is armed. The LED will blink if the Bed Exit is turned Off while the <i>i</i> Bed <sup>®</sup> Awareness system is turned On or if Bed Exit alarms while monitored by <i>i</i> Bed <sup>®</sup> Awareness system.	AMBER
F	<b>Bed Zero LED (Optional <i>i</i>Bed<sup>®</sup> Awareness):</b> LED is illuminated if Bed Zero is successful.	AMBER
G	<b>Siderail LED (Optional <i>i</i>Bed<sup>®</sup> Awareness):</b> LED is illuminated if <i>i</i> Bed <sup>®</sup> Awareness system is “On”. The LED will blink when siderail state has changed.	AMBER
H	<b>Power LED:</b> LED is illuminated when bed has power.	GREEN

# Footboard Operation Guide

## DISPLAY SCREENS

There are 4 types of display screens listed by priority below with one being the highest.

Screen	Type	Priority
Alarm Indications	Bed Exit Alarm Message	1
	Brake Alarm Message	2
Messages	iBed® Awareness Alert Messages	3
	Conditional Message	4
Menus	Main Menu	5
Status Screen	Default Screen	6

### A. Power Up

- The initialization screen shown in Figure 1 will be displayed on power up.

### B. Status Screen

- Figure 2a shows an example of the default “Status” Screen.
- Information on this screen includes the ‘Fowler Angle’ and the ‘Trend Angle’ values.
- If this screen is inactive for 60 seconds, the Backlighting will be reduced.

### C. Message Screen

- As required message screens are provided during alarm conditions and user interaction with the bed.

### D. Main Menu

- The Menu screen provides of list of available features accessible to the operator.



Figure 1

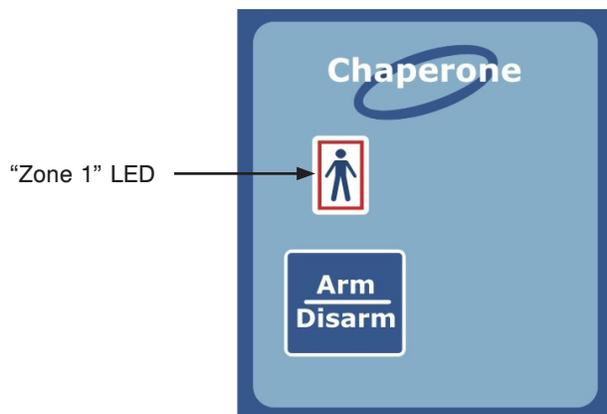


Figure 2a

# Footboard Operation Guide

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## OPTIONAL CHAPERONE BED EXIT



1. Before positioning the patient on the bed, the scale system must be zeroed for the Bed Exit System to function properly ([see page 34](#)) for instructions on zeroing the scale system).
2. Position the patient on the bed and press the "Arm/Disarm" button to activate the Bed Exit function. The footboard "Zone 1" LED and dashboard "Bed Exit" LED will turn on.
3. To deactivate Bed Exit, press the "Arm/Disarm" button. The footboard "Zone 1" LED and the dashboard "Bed Exit" LED will turn off.

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### **WARNING**

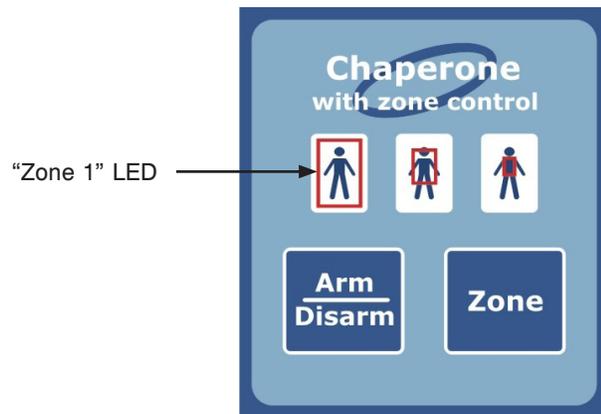
The Bed Exit System is intended only to aid in the detection of a patient exiting the bed. It is NOT intended to replace patient monitoring protocol. It signals when a patient is about to exit. Adding or subtracting objects from the bed after arming the bed exit system may cause a reduction in the sensitivity of the bed exit system. To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT, do not initialize ("Arm") bed exit with Percussion, Vibration, Rotation or Turn Assist active. The patient motion and position resulting from a dynamic therapy mattress may adversely affect bed exit system performance.

---

# Footboard Operation Guide

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## CHAPERONE BED EXIT WITH ZONE CONTROL



1. Before positioning the patient on the bed, the scale system must be zeroed for the Bed Exit System to function properly (see page 34) for instructions on zeroing the scale system).
2. Position the patient on the bed and press the “Arm/Disarm” button to activate the Bed Exit function. The footboard “Zone 1” LED and dashboard “Bed Exit” LED will turn on.
3. The Bed Exit system with Zone Control automatically selects Zone 1. To change the Zone, press and hold the “Zone” button until the light indicating the desired Zone comes on.
4. To deactivate Bed Exit, press the “Arm/Disarm” button. The selected footboard Zone light and the dashboard “Bed Exit” lights will turn off.

---

### WARNING

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT, do not initialize (“arm”) bed exit with Percussion, Vibration, Rotation or Turn Assist active. The patient motion and position resulting from a dynamic therapy mattress may adversely affect bed exit system performance.

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### Chaperone Zone Settings

The first zone (left indicator light) is the traditional Bed Exit zone. The patient can move around the bed freely but cannot fully exit the bed or the alarm will sound.

The second zone (middle indicator light) is more restrictive than the first zone. When the zone is selected, the bed measures the location of the patient’s center of gravity. If the patient’s center of gravity moves from the original location more than 6.5 inches to either side or 13 inches toward the head or foot, an alarm will sound.

The third zone (right indicator light) is the most restrictive zone. When the zone is selected, the bed measures the location of the patient’s center of gravity. If the patient’s center of gravity moves from the original location more than 1 inch to either side or 1 inch toward the head or foot, an alarm will sound.

### NOTE

All zone dimensions are  $\pm .5$  inches.

# Footboard Operation Guide

## OPTIONAL SCALE SYSTEM

### Weighing a Patient on the Scale System

The scale feature provides information to the operator on the weight of a patient.

#### To Weigh a Patient:

1. Press and hold the  (“Scale”) button.
2. “**Release Button**” message flashes on the display as shown in figure 40.
3. Release the “Scale” button.
4. After the “Scale” button has been released, “**Weighing ... Do Not Touch Bed**” message will flash on the display as shown in Figure 41.
5. When weighing has been completed, the patient’s weight will be displayed on the status screen as shown in Figure 42. The patient weight displayed is stored in the system for later use.

#### NOTE

- Pressing the scale button again within 60 seconds of the first press (this means that the scale data is still being displayed on the status screen), will remove the data from the screen. This second button press will remove the data so that the operator can walk away and not worry about having the data available to non authorized persons. The second button press will not log a value into the weight log. If the operator would like to have two consecutive readings within 60 seconds, then the operator will need to press the button once for the first weight reading, a second time will remove the weight information from the display and then a third time to take another weight reading
- If weight is displayed the “Scale” button can be pressed to turn off the scale.



Figure 40



Figure 41



Figure 42

#### CAUTION

Scale function may be affected by siderail/caster interference. With the litter fully lowered or lowered in Reverse Trendelenburg, the siderails tucked under the litter in the storage position and the casters turned, there is the potential for interference between the siderail and the caster. Raise the siderails when lowering the litter to the full down position to prevent the interference from causing the scale system to weigh inaccurately.

#### WARNING

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT:

- Confirm proper scale system operation following mattress installation. For best results, secure the mattress power cord to prevent damage to the cord and interference with the bed frame and the scale system.
- Do not zero bed scales or weigh patient with Percussion, Vibration, Rotation or Turn Assist active. Patient motion and position resulting from the dynamic therapy mattress may adversely affect scale system performance.

# Footboard Operation Guide

## OPTIONAL SCALE SYSTEM

### Zeroing The Scale System

This feature provides the operator to zero the bed prior to weighing patient. Do not zero the bed while a patient is in the bed. If this should occur, remove the patient and zero the bed again. If the Bed Exit is armed, you must disarm it before the scale can be zeroed.

#### To Zero the Bed:



1. Press and hold the  ("Zero") button.
2. "Hold to Zero Bed" message will appear briefly on the display as shown in figure 43.
3. Immediately following the "Hold to Zero Bed" message, the "Release Button" message will flash on the display as shown in Figure 44.
4. Release the "Zero" button.
5. After the "Zero" button has been released, "Do Not Touch Bed" message will flash on the display as shown in Figure 45.
6. When zeroing has been completed:
  - a. "Zeroing Successful" message will be shown on the display as shown in Figure 46.
  - b. The Dashboard Bed Zero LED will illuminate.
  - c. The display will show the status screen with the scale information as shown in Figure 47.
7. The bed is now ready for the patient.



Figure 43



Figure 44



Figure 45



Figure 46

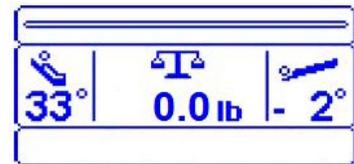


Figure 47

#### Note

If there is a problem with a load cell or another component of the scale system, the system will try to zero up to 30 seconds, after which the scale monitor will read: "Unable to Zero - Try Again" if unsuccessful.

If the problem continues after three attempts, the scale system will lock and the scale monitor will read: "Unable to Zero".

# Footboard Operation Guide

## MENU

- The Main Menu screen contains selectable product features to the operator. There are eight features listed in the main menu as ordered below:

1. Weight Log (Weight Log is the Default Selection)	5. Scale Units (Change Scale Units)
2. Gain/Loss	6. Backlight (Backlighting)
3. Change Equip. (Change Equipment)	7. Advanced Options
4. Change Ptnt. Wgt. (Change Patient Weight)	8. Exit Menu

- To select a feature, press the “Menu Up” and “Menu Down” button to scroll to the desired feature. Highlight the desired feature to select and then press the “Enter” button.

### 1. Weight Log

This feature provides the operator up to 10 of the last weights logged by the scale system as shown in Figure 3.

#### To display a list of the previous 10 weight readings:

- Press the “Menu” button and select the item “Weight Log”.
- Press the “Up” or “Down” buttons to scroll through the weight log.
- A weight reading is logged each time the scale button is pressed and the bed is in the scale mode for at least 15 seconds.
- The first weight reading displayed (1.) is the most recent. If the change in the patient’s weight since the last reading was taken is less than .2 pounds, the log will not update. Zeroing the scale system clears the weight log.



Figure 3

### 2. Gain/Loss

This feature provides information to the operator on the weight gain or loss of the patient.

#### To enable:

- Select “Gain/Loss” in the menu then press the “Enter” button, Figure 4 will be displayed.
- When “**Release Button**” message flashes on the display, release the “Enter” button; “**Do Not Touch Bed**” message will flash on the display.
- When Gain/Loss is On, “**Gain/Loss Enabled**” message displays.



Figure 4

**NOTE:** Refer to Figure 5

- The base represents the scale weight when the gain/loss feature was enabled.
- The second piece of information represents the “Gain” or the “Loss” and the weight difference between the current displayed weight and the saved base weight.



Figure 5

**NOTE:** Refer to Figure 6

- If the Gain or the Loss exceeds 99.9 lb, then the system will display ‘---’ instead of a value.



Figure 6

# Footboard Operation Guide

## MENU (CONTINUED)

### 3. Change Equipment

The change equipment feature allows the operator to add or remove item from the product without affecting the patient weight.

#### To Change Equipment:

- Select “Change Equip.” in the menu then press the “Enter” button, Figure 7 will be displayed or if the operator did not press the button long enough the message “Hold Button Longer” will appear in the message window.
- When “**Release to Start**” message displays on the screen, release the “Enter” button; “**Do Not Touch Bed**” message will flash on display.
- Figure 8 will display when the system is ready to change equipment.
- Press the “Enter” button to Add/Remove equipment or press the “Exit” button to cancel operation.
  - If “Enter” is pressed to Add/Remove Equipment then the message “**Do Not Touch Bed**” will flash on the display.
  - If “Exit” is pressed, “**Operation Canceled**” message will display.
- Figure 9 will be displayed when the system completes the change equipment adjustment.
- The status screen will then display the weight of the patient only.



Figure 7



Figure 8



Figure 9

### 4. Change Patient Weight

The change patient feature allows the operator to add or remove weight from the patient weight.

#### To Change Patient Weight:

- Select “Change Pnt. Wgt.” in the menu.
- Press and hold the “Enter” button, Figure 10 will be displayed.
- When “**Release Button**” message displays on the screen, release the “Enter” button; “**Do Not Touch Bed**” message will flash on display.
- When the system is ready to change patient weight the following information will be displayed:
  - Allow operator to Change patient Weight using arrow button;
  - Display the new patient weight;
  - Press “Enter” when done;
  - Press “Exit” to cancel operation.
- If “Enter” is pressed, the message “**Do Not Touch Bed**” will flash on the display.
- If “Exit” is pressed, “**Patient Weight Changed**” message will display.



Figure 10

# Footboard Operation Guide

## MENU (CONTINUED)

### 5. Scale Units

- The Change Scale Units feature allows the operator to select the unit of value (lb or kg) for the scale information that is presented on the display.
- When the change scale units is selected, Figure 11 is displayed.
- This screen will highlight the current scale unit setting.
- To change the scale unit setting, scroll to the desired setting and press the “Enter” button.
- The default setting is “lb”



Figure 11

### 6. Backlight

- When the backlight feature is selected the display will change to the backlight selection screen as shown in Figure 12.
- This screen will highlight the current backlight setting.
- Five settings are available for the backlight; Off, Low, Medium, High and Nurse Call Only.
- To change the backlight setting; scroll to the desired setting and press the “Enter” Button; “**Save Successful**” message will display.
- The default setting is “Low”.



Figure 12

### 7. Advanced Options

The advanced menu items include:

1. Choose Exit Alarm
2. Brake Alarm
3. Awareness Alarm
4. Status To N/C

#### Advanced Options: Choose Exit Alarm

The operator can choose between 10 exit alarms.

#### To Select Alarm:

- Select “Choose Exit Alarm” from the menu.
- Scroll through the 10 Tone Patterns listed in the menu. A sample alarm will sound for each Tone Pattern highlighted.
- Select desired Tone Pattern and Press “Enter”
- “**Save Successful**” message will be displayed.

# Footboard Operation Guide

---

## MENU (CONTINUED)

### **Advanced Options: Brake Alarm**

The operator can enable or disable an audible brake alarm feature. If enabled and the brakes are not engaged when the bed is plugged in, an audible alarm will occur. This feature is only available on non-Zoom® beds.

To Enable/Disable Brake Alarm:

- Select “Brake Alarm” from the menu.
- Use the Up and Down Arrow buttons to select enable or disable the alarm.
- Press “Enter” to save the alarm state.
- “**Save Successful**” message will be displayed.

### **Advanced Options: iBed® Awareness Alarm (Audible)**

The operator can enable or disable an audible alarm for iBed® Awareness alert states.

To Enable/Disable Alarm:

- Select “Awareness Alarm” from the menu.
- Select “On” to Enable or “Off” to disable and then press “Enter”
- “**Save Successful**” message will be displayed.

### **Advanced Options: Status Nurse Call (iBed® Awareness Priority Signal)**

The operator can enable or disable a priority signal alarm through the Nurse call system based on an iBed® Awareness alarm state.

To Enable/Disable Alarm:

- Select “Status To N/C” from the menu.
- Select “On” to Enable or “Off” to disable and then press “Enter”
- “**Save Successful**” message will be displayed.

## **8. Exit Menu**

Exits Main Menu screen and returns display to the default Status Screen.

# Footboard Operation Guide

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## **iBED® AWARENESS FUNCTIONALITY**

- The *iBed*® Awareness provides functionality that will monitor status conditions on the product and produce an alert if the state had changed.
- When the system is turned “On”, it monitors each of the siderail positions and brake automatically. If the bed is in Low Height and/or the Bed Exit is armed and/or the Fowler 30<sup>0</sup>+ lock is “On”, the system will also monitor these features when *iBed*® Awareness is turned “On”. Note: If the Fowler 30<sup>0</sup>+ lock is “On” before *iBed*® Awareness is “On”, the system will also monitor the Fowler 30<sup>0</sup>+ lock.
- In the event of a power loss, the *iBed*® Awareness system will store the last known condition and when power is restored it will operate in this condition.
- *iBed*® Awareness will not be able to be turned “On” if any system error conditions exist that impede the function of the *iBed*® Awareness system. The system errors that affect this feature include the four siderail sensors, the scale system, the Fowler 30<sup>0</sup>+ lock and the bed exit system. For details on error codes, refer to the Maintenance Manual.

## **iBED® AWARENESS LIGHT BAR AND SIDE LIGHTS**

A light bar, located centrally on the front of the footboard, will illuminate and indicate the state of the *iBed*® Awareness system. Side lights located on the sides of the footboard will behave identical to the center light.

### **Features**

- When the *iBed*® Awareness system is “On” the light bar turns green.
- If an alert state on the *iBed*® Awareness system is triggered, the light bar will change to the alert state and flash AMBER.
- During an alert state, an AMBER dashboard LED associated with the alert will blink on the footboard and the display screen will show the details of the alert state.

## **iBED® AWARENESS ON/OFF BUTTON**

The On/Off control button is used to turn the *iBed*® Awareness system “On” and “Off”.

### **Features**

When the button is pressed the *iBed*® Awareness system will save information based on the current state of the product and based on the system rules will commence monitoring.

### **Turning on the *iBed*® Awareness system**

1. Press the *iBed* On/Off button.
2. The following message will be displayed on the screen: **“Awareness On”**.

### **Turning off the *iBed*® Awareness system**

1. Press and hold the *iBed* On/Off button.
2. The following message will be displayed on the screen: **“Awareness Off”**.
- 3.

# Footboard Operation Guide

## iBED® AWARENESS MONITORING AND ALARMS

### Low Height

- If the low height state changes:
  1. The low height LED on the dashboard blinks and the display screen flashes between the message in Figure 13 and the message in Figure 14.



Figure 13



Figure 14

### Brakes

- If the brake state changes:
  1. The brake LED on the dashboard blinks and the display screen flashes between the message in Figure 15 and the message in Figure 16.

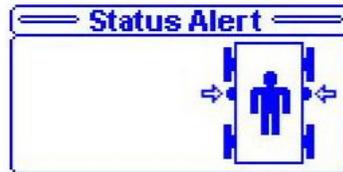


Figure 15



Figure 16

### Siderails

- If the siderail state changes:
  1. The siderail LED on the dashboard blinks and the display screen flashes between the message in Figure 17 and the message in Figure 18.



Figure 17



Figure 18

### Note

The arrow pointing to the siderail in Figure 17 and 18 will change depending on the siderail position in alarm.

# Footboard Operation Guide

## iBED® AWARENESS MONITORING AND ALARMS (CONTINUED)

### Bed Exit

- If the bed exit is disarmed:
  1. The bed exit LED on the dashboard blinks and the display screen flashes between the message in Figure 19 and the message in Figure 20.



Figure 19



Figure 20

### Fowler 30<sup>0+</sup> Lock

- If the fowler 30<sup>0+</sup> lock state changes from a locked to an unlocked state:
  1. The fowler 30<sup>0+</sup> lock LED on the dashboard blinks and the display screen flashes between the message in Figure 21 and the message in Figure 22.



Figure 21

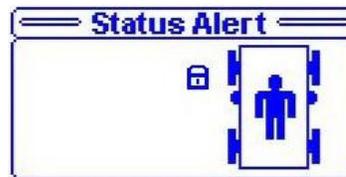


Figure 22

- If the fowler 30<sup>0+</sup> lock state changes to a lowered position:
  1. The fowler 30<sup>0+</sup> lock LED on the dashboard blinks and the display screen flashes between the message in Figure 23 message and the message in Figure 24.



Figure 23



Figure 24

### Additional Alarm Conditions

- If an audible alarm is required, the operator can set the Awareness alarm to "On" through the Advanced Options Menu in the Main Menu.
- If the operator would like to set the Awareness alarm to the Nurse Call Station, the "Status To N/C" must be turned "On" through the Advanced Options Menu in the Main Menu.

### Note

- By default these two advanced options are turned "Off".

# Footboard Operation Guide

## iBED® AWARENESS LOCKS

### Fowler 30<sup>0+</sup> Lock button

- The Fowler 30<sup>0+</sup> lock is a dual purpose button. It positions the Fowler to 30<sup>0</sup> and removes the bed out of trend.
- When the Fowler 30<sup>0+</sup> lock button is pressed, the bed will reposition if it needs to and Figure 25 will be displayed.
- Once the bed reaches its final position, Figure 26 will be displayed.
- If the button is not held until the final position is reached Figure 27 will be displayed.
- If bed is put in CPR position manually or by pressing the CPR button, Figure 28 will be displayed.
- If the bed is at its final fowler 30<sup>0+</sup> position (Trend = 0<sup>0</sup>, fowler = 30<sup>0</sup>) and the operator presses either the fowler down or trend buttons, the display will toggle between figures 31 and 32.



Figure 25



Figure 26



Figure 27



Figure 28

### Bed Motion Lock

- If Bed Motion lock button is pressed, Figure 29 will be displayed.
- If Bed Motion lock button is pressed when already "on" then Figure 30 will be displayed.
- If Motion is attempted when lock is "On," the display screen flashes between Figure 31 and 32.



Figure 29



Figure 30



Figure 31



Figure 32

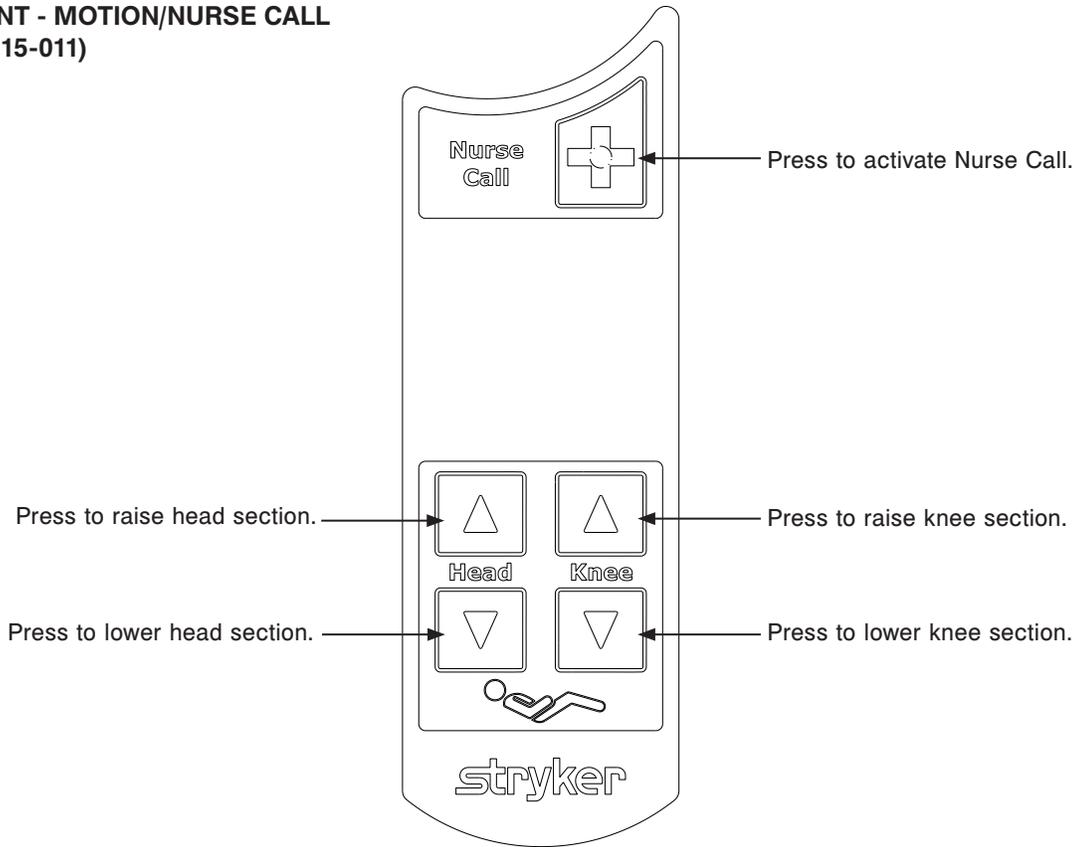
**Note:** The CPR Drop button overrides all locks.

### Patient Control Locks

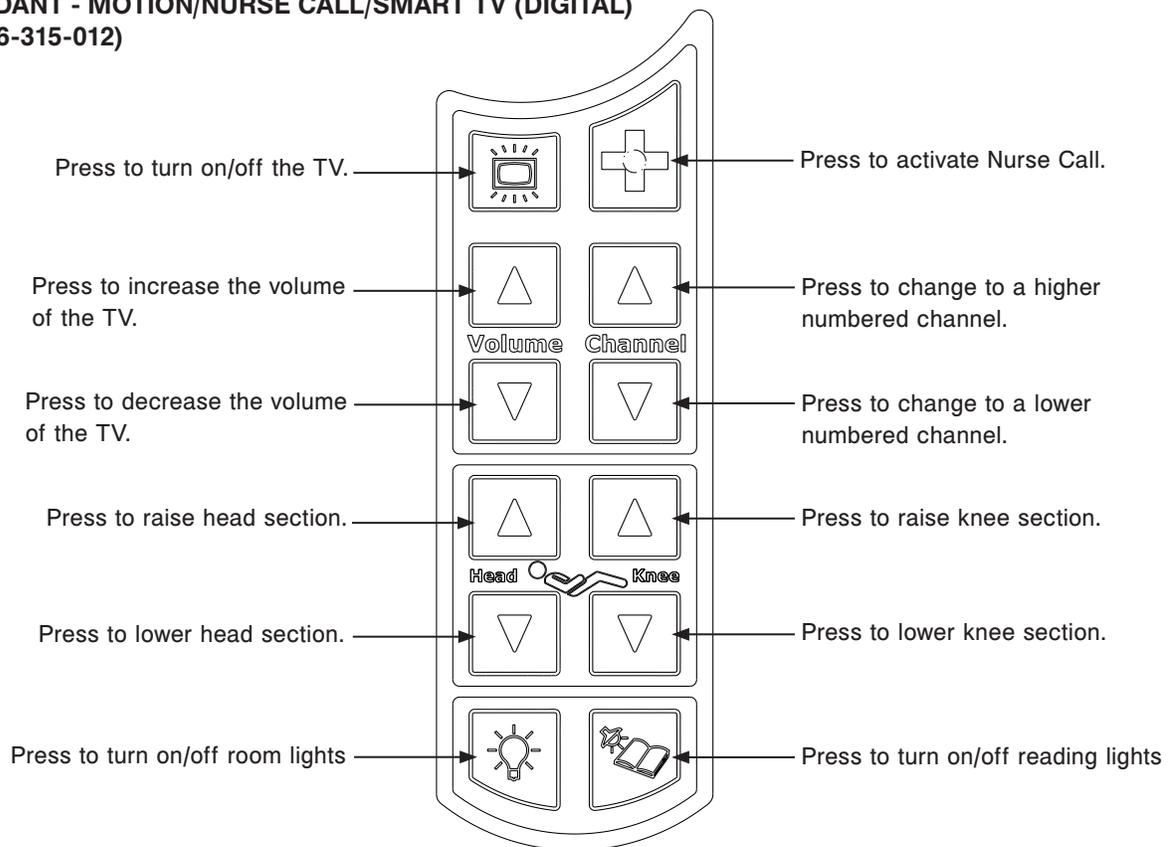
- If any of the Patient Control lock buttons are pressed, Figure 29 as shown above will be displayed.
- If any of the Patient Control lock buttons are pressed when already "on" then Figure 30 as shown above will be displayed.

# Optional Pendant Operation Guide

## PENDANT - MOTION/NURSE CALL (3006-315-011)



## PENDANT - MOTION/NURSE CALL/SMART TV (DIGITAL) (3006-315-012)



# Preventative Maintenance

Beds require an effective maintenance program, we recommend checking these items annually. Use this sheet for your records. Keep on file.

## CHECKLIST

- \_\_\_\_\_ All fasteners secure (reference all assembly drawings)
- \_\_\_\_\_ Engage brake pedal and push on the bed to ensure all casters lock securely.
- \_\_\_\_\_ Inspect the brake assembly (Brake Ratchet Spring and Brake Bar) for degradation or signs of wear at the foot end and head end of the bed. Ensure brake assembly components (locking caster and springs) are functioning properly.
- \_\_\_\_\_ "Brake" LED on the footboard and head end siderails blink when brakes are not engaged.
- \_\_\_\_\_ Locking steer caster engages and disengages properly.
- \_\_\_\_\_ Siderails move, latch and stow properly.
- \_\_\_\_\_ CPR release working properly.
- \_\_\_\_\_ Foot prop intact and working properly.
- \_\_\_\_\_ I.V. pole working properly.
- \_\_\_\_\_ Foley bag hooks intact.
- \_\_\_\_\_ No cracks or splits in head and footboards.
- \_\_\_\_\_ No rips or cracks in mattress cover.
- \_\_\_\_\_ All functions on head end siderails working properly (including LED's).
- \_\_\_\_\_ All functions on footboard working properly (including LED's).
- \_\_\_\_\_ Scale and Bed Exit system calibrated properly.
- \_\_\_\_\_ Motion Interrupt switches working properly.
- \_\_\_\_\_ Night light working properly.
- \_\_\_\_\_ Power cord and plug not frayed or damaged.
- \_\_\_\_\_ No cables worn or pinched.
- \_\_\_\_\_ All electrical connections tight.
- \_\_\_\_\_ All grounds secure to the frame.
- \_\_\_\_\_ Ground impedance not more than 100 mΩ (milliohms).
- \_\_\_\_\_ Current leakage not more than 300 μA (microamps).
- \_\_\_\_\_ Apply grease to the Litter grease points and fowler motor clutch ([see page 45 for locations](#)).
- \_\_\_\_\_ Engage drive wheel and ensure it is operating properly (Zoom® option).
- \_\_\_\_\_ Motion release switches working properly (Zoom® option).
- \_\_\_\_\_ Confirm Head End Control Panel functionality (Zoom® / Battery Backup option).
- \_\_\_\_\_ Confirm battery powered functionality (Zoom® / Battery Backup option).
- \_\_\_\_\_ Ensure ground chains are clean, intact, and have at least two links touching the floor.
- \_\_\_\_\_ Check Fowler angle for accuracy 0° - 60°.
- \_\_\_\_\_ Siderail switches working properly (iBed® Awareness option).
- \_\_\_\_\_ Center Light Bar LED and side light LED working properly (iBed® Awareness option).
- \_\_\_\_\_ Inspect footboard control labeling for signs of degradation.
- \_\_\_\_\_ Inspect siderail gas spring for oil leaks and replace if necessary.
- \_\_\_\_\_ Check fowler motor flexible mounting for damage or wear.
- \_\_\_\_\_ Check all motion functionality.
- \_\_\_\_\_ Ensure power cord slack at the inlet filter (Zoom® and Battery Backup Option).
- \_\_\_\_\_ Check Nurse Call functionality.
- \_\_\_\_\_ Check Nurse Call battery - optional equipment
- \_\_\_\_\_ Check labels as specified in the Operations and Maintenance manuals for legibility, proper adherence and integrity.

Bed Serial Number:		

Completed by: \_\_\_\_\_ Date: \_\_\_\_\_

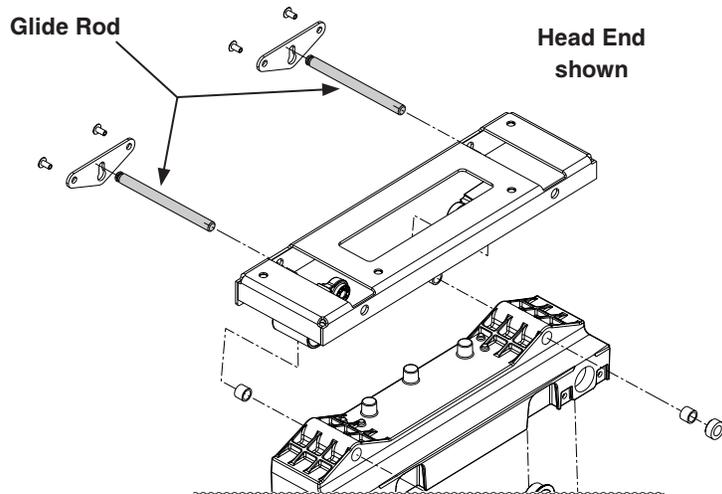
# Preventative Maintenance

## GREASE POINTS

1. H/E Glide Rod
2. Ball Screw
3. Brake Spring

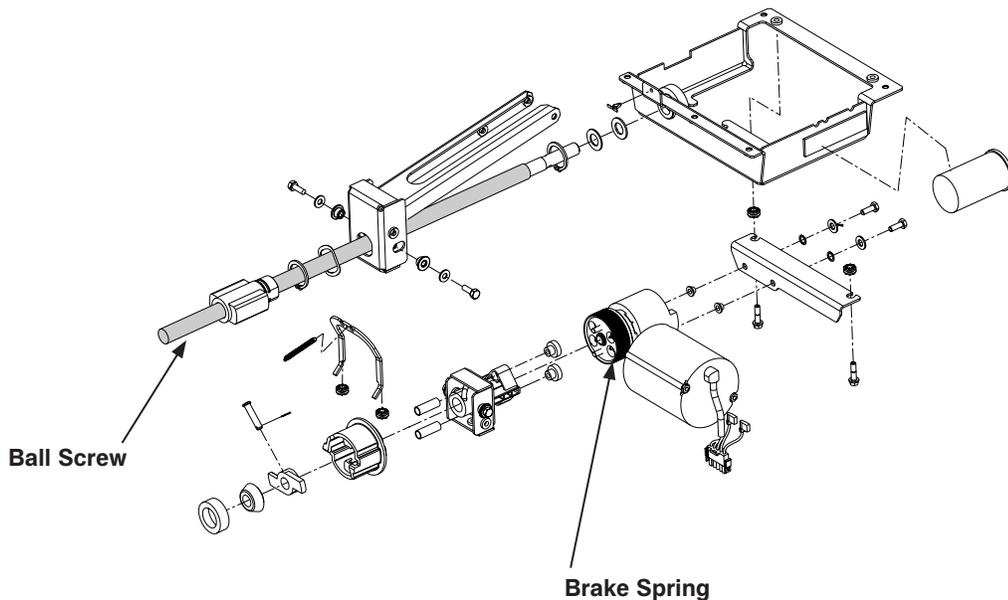
**Siderail Assembly** (Reference p/n: 3006-400-105 (Head End) and 3006-400-300 (Foot End))

1. Apply Syn-Tech NS-18191-G grease (p/n 3000-200-700) to Glide Rod surface.



**Fowler Drive Assembly** (Reference p/n: 3006-300-550)

1. Apply Mobile #28 grease to entire length of ball screw.
2. If dry, apply a thin film layer of Syn-Tech grease (p/n 3000-200-700) to the outside of the brake spring.



# Cleaning

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## CAUTION

Unplug bed prior to cleaning or servicing unit.

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Hand wash all surfaces of the bed with warm water and mild detergent. DRY THOROUGHLY. Do not steam clean or hose off the S3™ MedSurg Bed, Model 3002. Do not immerse any part of the bed. Some of the internal parts of the bed are electric and may be damaged by exposure to water.

Suggested cleaners for bed surfaces:

- Quaternary Cleaners (active ingredient – ammonium chloride)
- Phenolic Cleaners (active ingredient – o-phenylphenol)
- Chlorinated Bleach Solution (5.25% – less than 1 part bleach to 100 parts water)

Avoid over saturation and ensure the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.

## CAUTION

SOME CLEANING PRODUCTS ARE CORROSIVE IN NATURE AND MAY CAUSE DAMAGE TO THE PRODUCT IF USED IMPROPERLY. If the products described above are used to clean Stryker patient care equipment, measures must be taken to insure the beds are wiped with a damp cloth soaked in clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, 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.

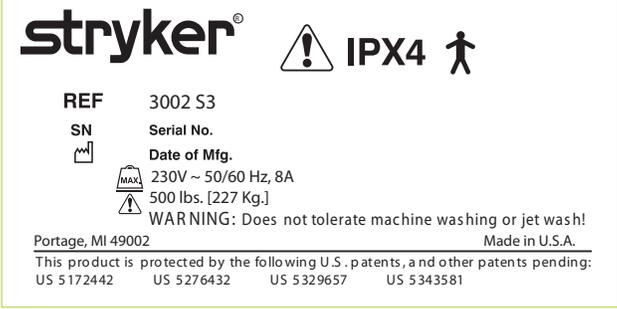
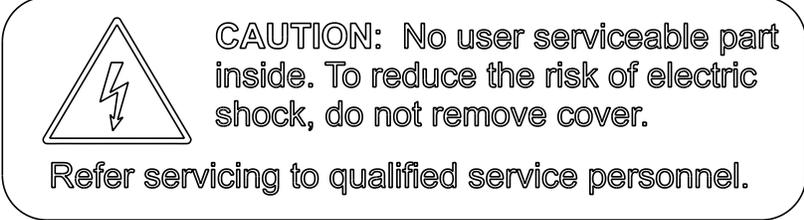
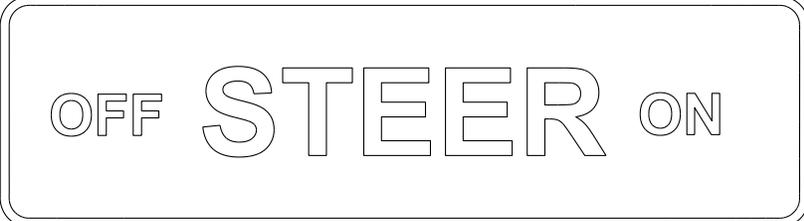
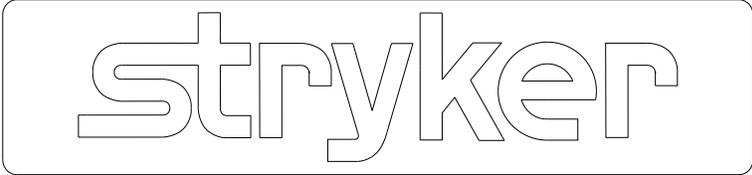
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For mattress cleaning instructions, please see the tag on the mattress, or contact the mattress manufacturer.

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).

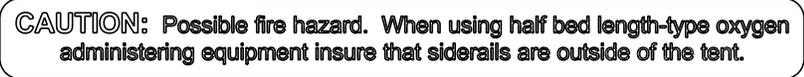
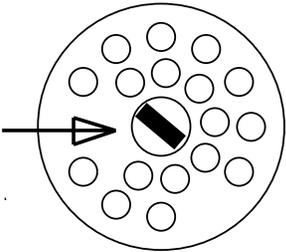
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Specification Label 3006-375-625</p>	
<p>Shock Hazard 3006-002-708</p>	
<p>Steer Lock 3006-090-013</p>	
<p>Base Logo 3006-200-602</p>	
<p>Caution/Danger Label 5212-100-807</p>	

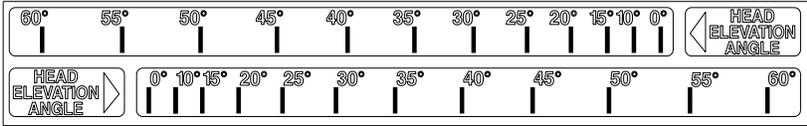
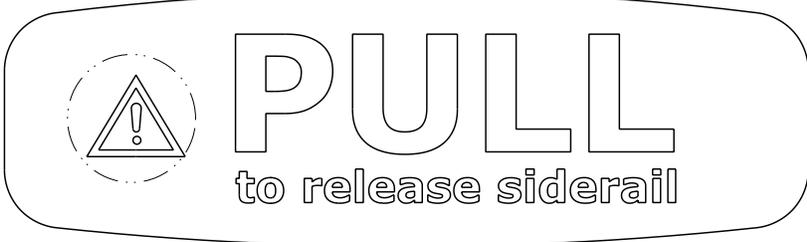
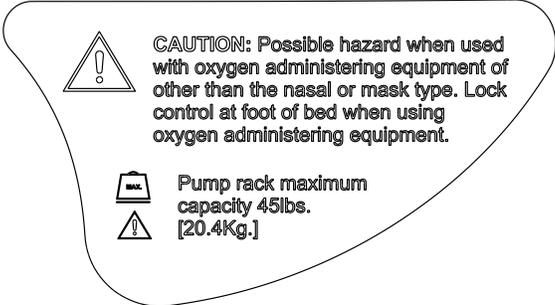
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Caution 3006-088-820</p>	
<p>500 lb Max 3006-090-100</p>	
<p>Cord Out Label 3006-090-028</p>	<p><b>NOTE:</b> TO PREVENT A LOW BATTERY CONDITION: WHEN BED IS NOT PLUGGED IN, POSITION THE CORD OUT SWITCH TO THE OFF POSITION.</p> 
<p>Brake Pedal 3006-200-601</p>	
<p>Foley Bag Hook 3006-300-601</p>	<p><b>ISOLATED FOLEY BAG HOOK BELOW</b> <b>CAUTION: Isolated hook does not retract with bed frame.</b></p>

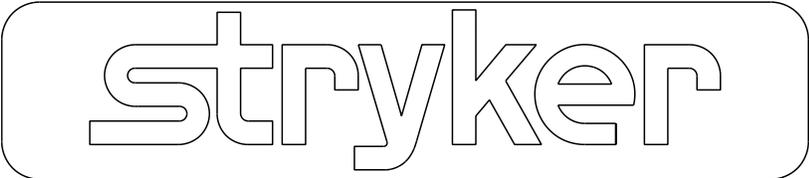
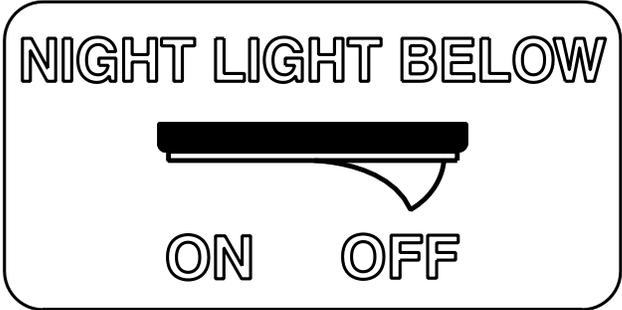
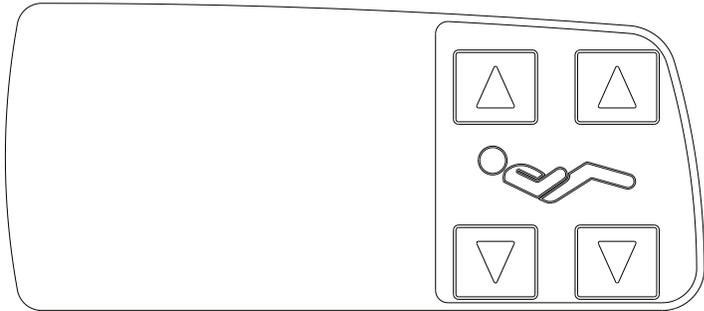
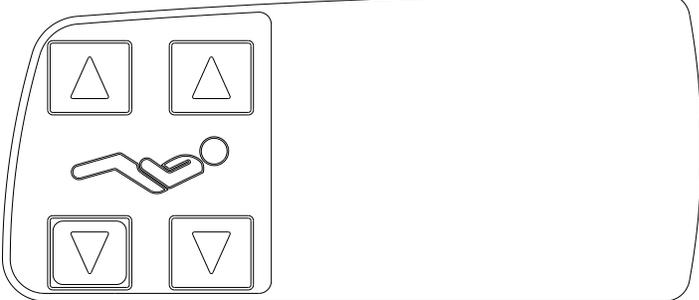
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Fowler Elevation Angle 3006-300-602</p>	
<p>CPR Release 3006-300-603</p>	
<p>Release Handle 3006-400-657</p>	
<p>Warning 3006-400-656</p>	
<p>Oxygen Warning 3006-508-010</p>	

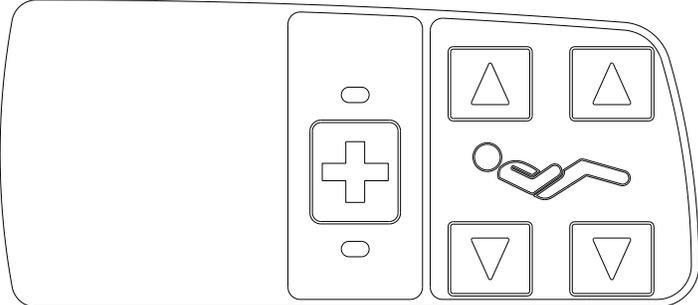
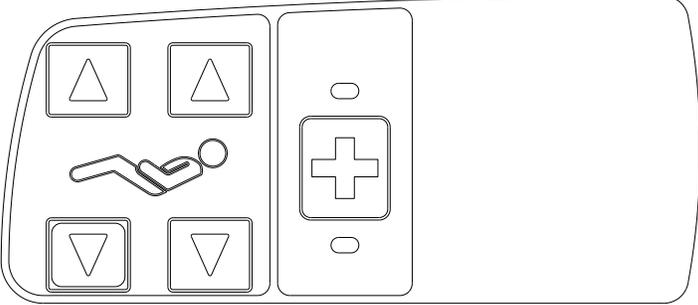
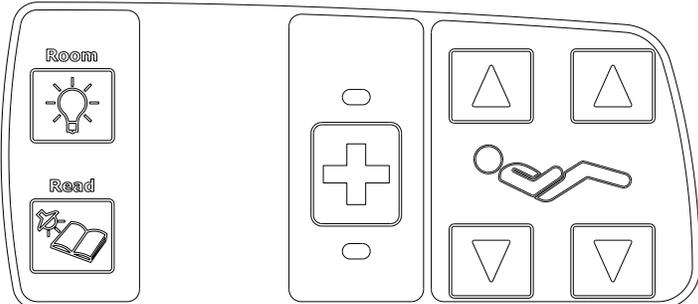
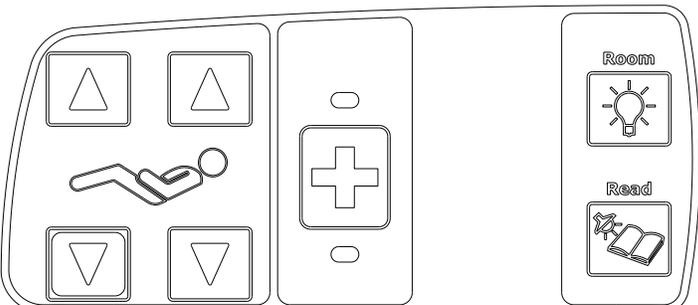
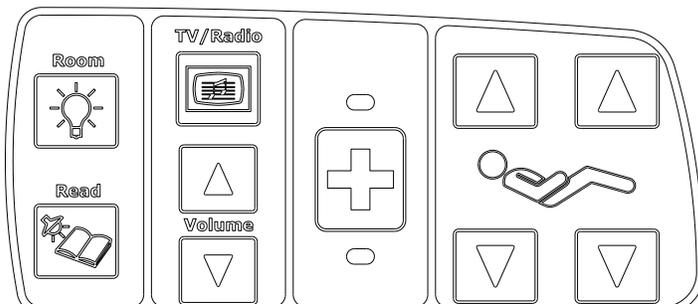
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>For hospital staff use only 3006-508-013</p>	
<p>Stryker Logo 3006-508-014</p>	
<p>Night Light 3006-310-601</p>	
<p>Head End Inner Siderail (Left) 3006-400-620</p>	
<p>Head End Inner Siderail (Right) 3006-400-610</p>	

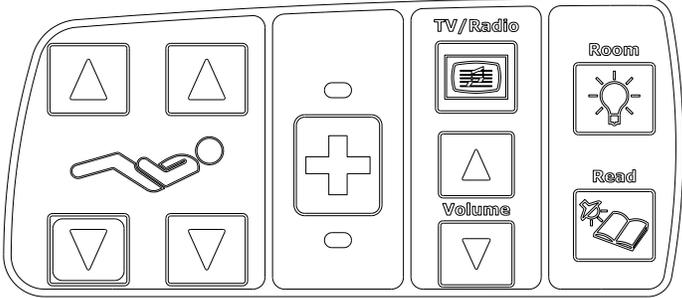
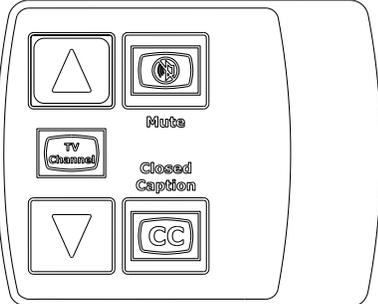
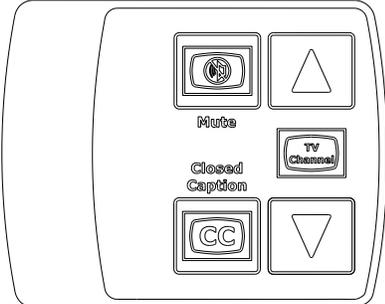
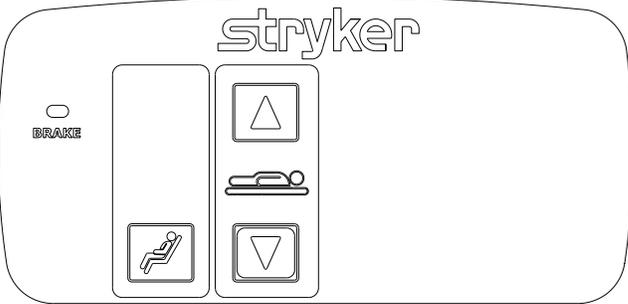
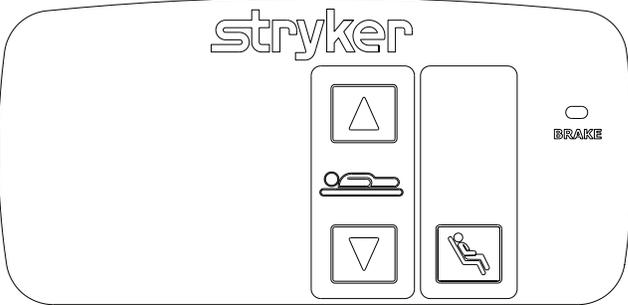
# Product Labels

**Note:** All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Head End Inner Siderail with NC (Left) 3006-400-621 (Optional)</p>	
<p>Head End Inner Siderail with NC (Right) 3006-400-611 (Optional)</p>	
<p>Head End Inner Siderail with Nurse Call and Lights (Left) 3006-400-625 (Optional)</p>	
<p>Head End Inner Siderail with Nurse Call and Lights (Right) 3006-400-615 (Optional)</p>	
<p>Head End Inner Siderail with Nurse Call, Lights and TV-Radio (Left) 3006-400-623 (Optional)</p>	

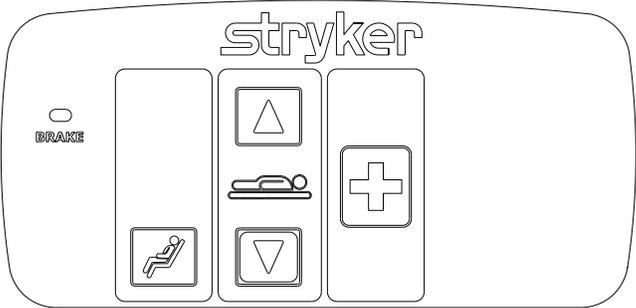
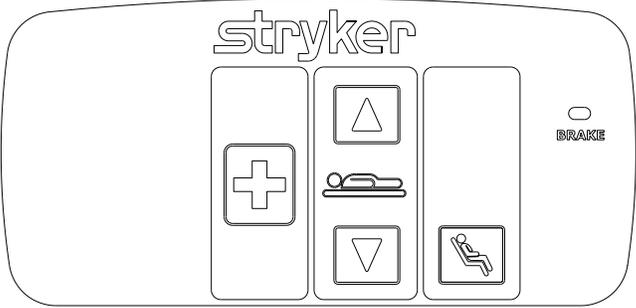
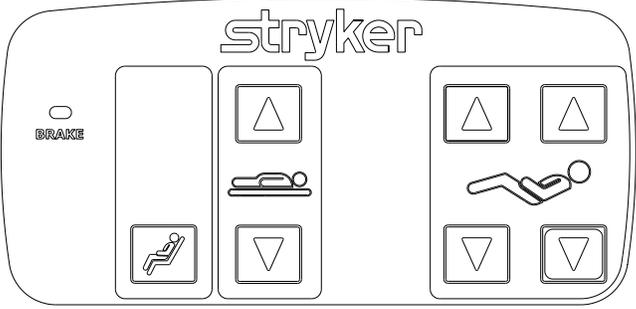
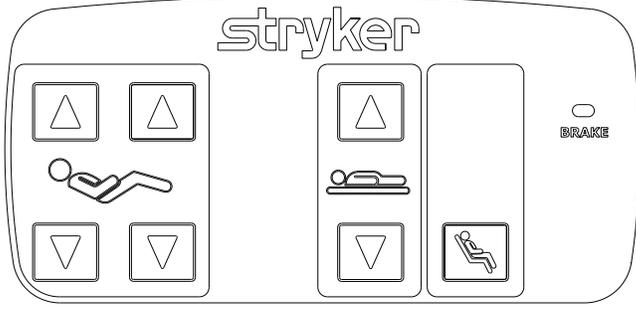
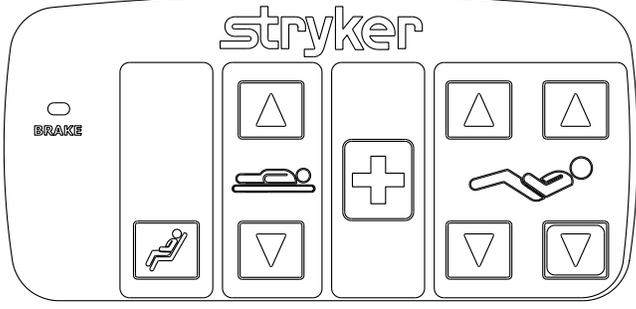
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Head End Inner Siderail with Nurse Call, Lights and TV-Radio (Right) 3006-400-613 (Optional)</p>	
<p>Head End Inner Siderail with Smart TV (Left) 3006-430-131 (Optional)</p>	
<p>Head End Inner Siderail with Smart TV (Right) 3006-430-132 (Optional)</p>	
<p>Head End Outer Siderail with Cardiac Chair (Left) 3006-400-637</p>	
<p>Head End Outer Siderail with Cardiac Chair (Right) 3006-400-647</p>	

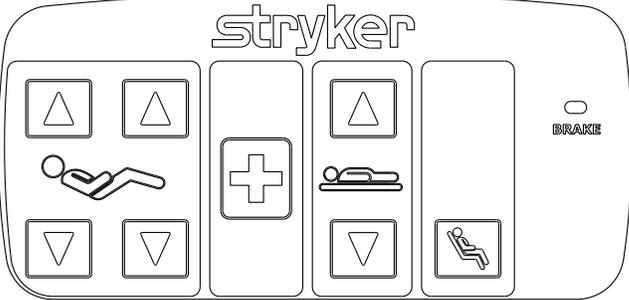
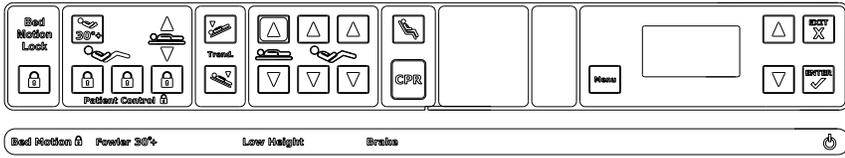
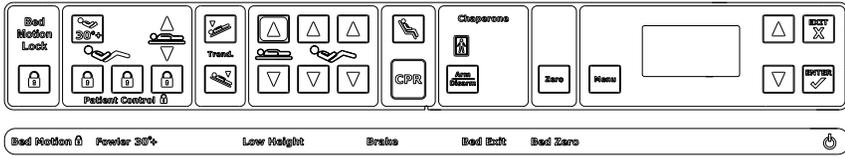
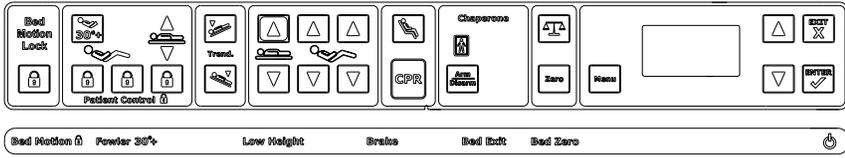
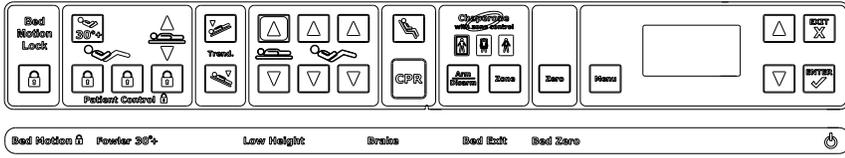
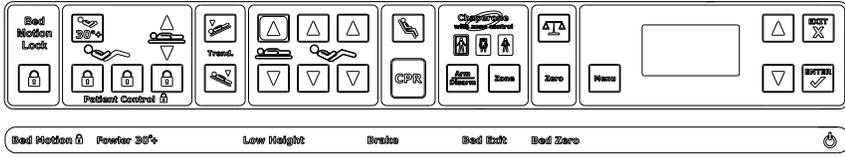
# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Head End Outer Siderail with Cardiac Chair and Nurse Call (Left) 3006-400-635 (Optional)</p>	
<p>Head End Outer Siderail with Cardiac Chair and Nurse Call (Right) 3006-400-645 (Optional)</p>	
<p>Head End Outer Siderail with Cardiac Chair and Gatch/Fowler (Left) 3006-400-634 (Optional)</p>	
<p>Head End Outer Siderail with Cardiac Chair and Gatch/Fowler (Right) 3006-400-644 (Optional)</p>	
<p>Head End Outer Siderail with Cardiac Chair, N/C and Gatch/Fowler (Left) 3006-400-633 (Optional)</p>	

# Product Labels

Note: All product labels are standard on the bed unless otherwise noted as being optional.

Part Name/Number	Product Label
<p>Head End Outer Siderail with Cardiac Chair, N/C and Gatch/Fowler (Right) 3006-400-643 (Optional)</p>	
<p>Footboard without Scale and without Bed Exit 3006-508-004</p>	
<p>Footboard with Bed Exit 3006-508-005 (Optional)</p>	
<p>Footboard with Bed Exit and Scale 3006-508-007 (Optional)</p>	
<p>Footboard with Bed Exit and Zone Control 3006-508-006 (Optional)</p>	
<p>Footboard with Bed Exit, Scale and Zone Control 3006-508-009 (Optional)</p>	

# Product Labels

**Note: All product labels are standard on the bed unless otherwise noted as being optional.**

Part Name/Number	Product Label
<p style="text-align: center;">Bed Exit 3006-508-109 (Optional)</p>	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">Bed Exit</h3> <p><u>A. BEFORE putting a NEW PATIENT on the bed:</u></p> <ol style="list-style-type: none"> <li>1. Prepare the bed for patient stay by adding linen and equipment to the bed.</li> <li>2. Press and HOLD the <b>'ZERO'</b> key. Follow the instructions on the display.</li> <li>3. The <b>'BED ZERO'</b> light will illuminate to indicate when the BED EXIT system is 'zeroed' and is ready for the patient to be helped to the bed.</li> </ol> <p><u>B. To ARM BED EXIT System:</u></p> <ol style="list-style-type: none"> <li>1. Place patient on the bed.</li> <li>2. Push the <b>'ARM / DISARM'</b> key and release. The <b>'BED EXIT'</b> light will illuminate.</li> <li>3. Bed Exit system is now armed.</li> </ol> <p><u>NOTE:</u> Adding or subtracting objects from the bed after zeroing the bed will cause a change in the sensitivity of the BED EXIT system.</p> </div>
<p style="text-align: center;">Bed Exit with Zone Control 3006-508-106 (Optional)</p>	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">Bed Exit With Zone Control</h3> <p><u>A. BEFORE putting a NEW PATIENT on the bed:</u></p> <ol style="list-style-type: none"> <li>1. Prepare the bed for patient stay by adding linen and equipment to the bed.</li> <li>2. Press and HOLD the <b>'ZERO'</b> key. Follow the instructions on the display.</li> <li>3. The <b>'BED ZERO'</b> light will illuminate to indicate when the BED EXIT system is 'zeroed' and is ready for the patient to be helped to the bed.</li> </ol> <p><u>B. To ARM BED EXIT System:</u></p> <ol style="list-style-type: none"> <li>1. Place patient on the bed.</li> <li>2. Push the <b>'ARM / DISARM'</b> key and release. The <b>'BED EXIT'</b> light will illuminate.</li> <li>3. Bed Exit with ZONE CONTROL will automatically select the first zone. To change the zone, press the <b>'ZONE'</b> key until the desired zone is illuminated.</li> <li>4. Bed exit system is now armed.</li> </ol> <p><u>NOTE:</u> Adding or subtracting objects from the bed after zeroing the bed will cause a change in the sensitivity of the BED EXIT system.</p> </div>
<p style="text-align: center;">Scale System 3006-508-107 (Optional)</p>	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">Scale System</h3> <p><u>A. BEFORE putting a NEW PATIENT on the bed:</u></p> <ol style="list-style-type: none"> <li>1. Prepare the bed for patient stay by adding linen and equipment to the bed.</li> <li>2. Press and HOLD the <b>'ZERO'</b> key. Follow the instructions on the display.</li> <li>3. The <b>'BED ZERO'</b> light will illuminate to indicate when the SCALE system is 'zeroed' and is ready for the patient to be helped to the bed.</li> </ol> <p><u>B. To USE the SCALE system display:</u></p> <ol style="list-style-type: none"> <li>1. To display the weight; press, hold and release the <b>'SCALE'</b> key. The Scale display will read: 'WEIGHING... DO NOT TOUCH BED', then 'XXX.X LB' will be displayed.</li> </ol> <p><u>C. To change linen or equipment:</u></p> <ol style="list-style-type: none"> <li>1. Press the <b>'MENU.'</b> key, select <b>'CHANGE EQUIPMENT'</b> from the menu in the display, and follow the instructions.</li> </ol> <p><u>NOTE:</u> Adding or subtracting objects from the bed after the SCALE system has been zeroed will cause a change in weight reading. Use the CHANGE EQUIPMENT function when objects are required to be added or removed from the bed.</p> </div>

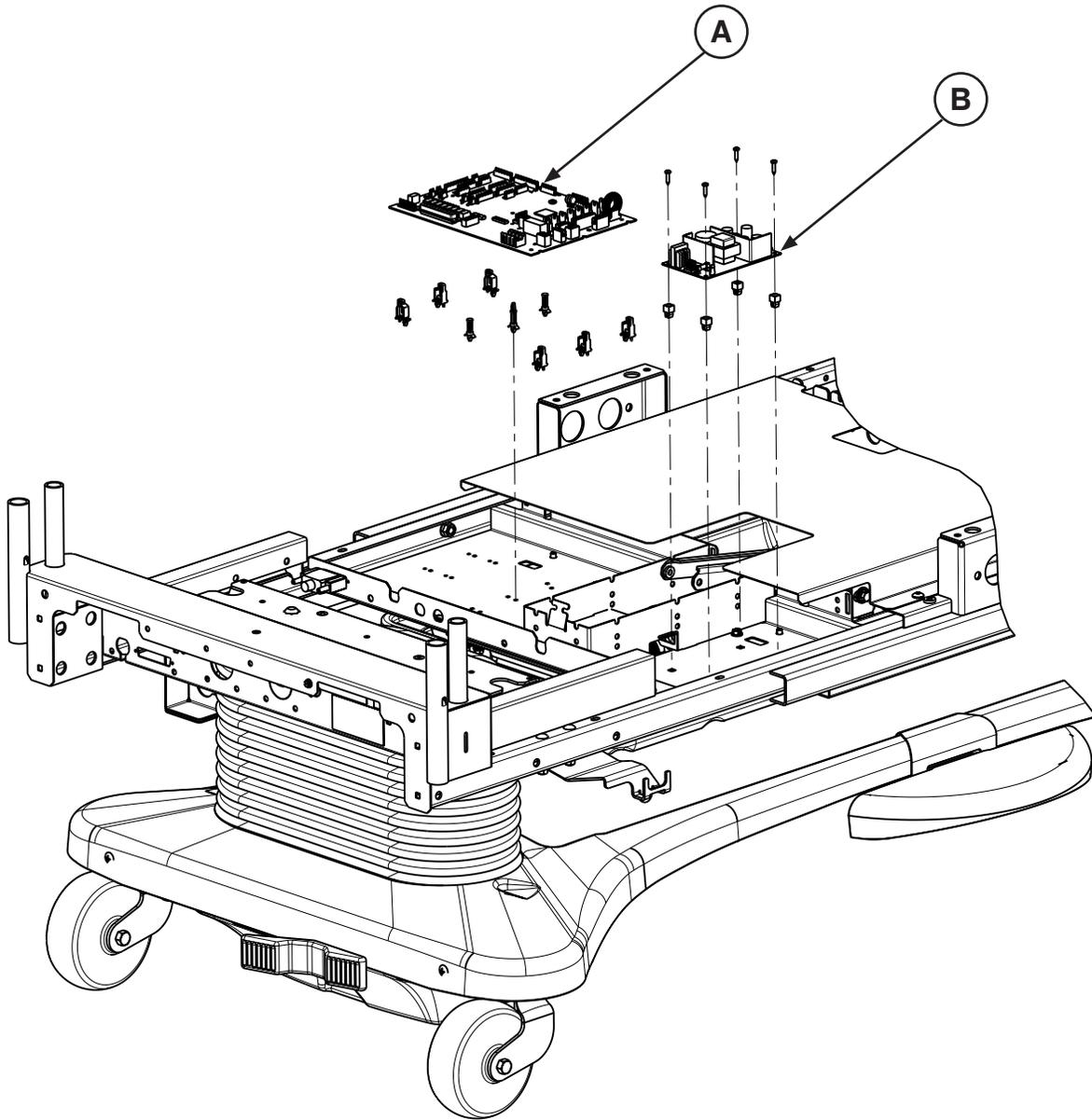
# Product Labels

**Note: All product labels are standard on the bed unless otherwise noted as being optional.**

Part Name/Number	Product Label
<p style="text-align: center;">Awareness Status 3006-508-108 (Optional)</p>	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">Awareness Status</h3> <p><u>A. Awareness monitors the following:</u></p> <ol style="list-style-type: none"> <li>1. Brake</li> <li>2. Siderail position</li> <li>3. Low height (optional)</li> <li>4. Bed Exit (optional)</li> <li>5. Fowler 30°+ (optional)</li> </ol> <p><u>B. BEFORE arming the Awareness system:</u></p> <ol style="list-style-type: none"> <li>1. Make sure the brakes are set.</li> <li>2. Configure the siderails as desired.</li> <li>3. If low height is to be monitored, lower the bed completely.</li> <li>4. If Bed Exit is to be monitored, arm the Bed Exit system.</li> <li>5. If the Fowler 30°+ is to be monitored, turn the Fowler 30°+ on.</li> </ol> <p><u>C. To USE the Awareness system:</u></p> <ol style="list-style-type: none"> <li>1. Enable the Awareness system by pressing the Awareness 'ON / OFF' key. The Awareness indicator light on the footboard will turn green if the system is successfully enabled.</li> <li>2. When the Awareness state has changed, the Awareness indicator light will flash amber and the 'BRAKE', 'SIDERAIL', 'LOW HEIGHT', 'BED EXIT', and / or 'FOWLER 30°+' lights will flash. The Awareness display will also indicate what has changed.</li> </ol> </div>

# Recycling Passport

Assembly Part number: 3006-375-895 (Reference Only)

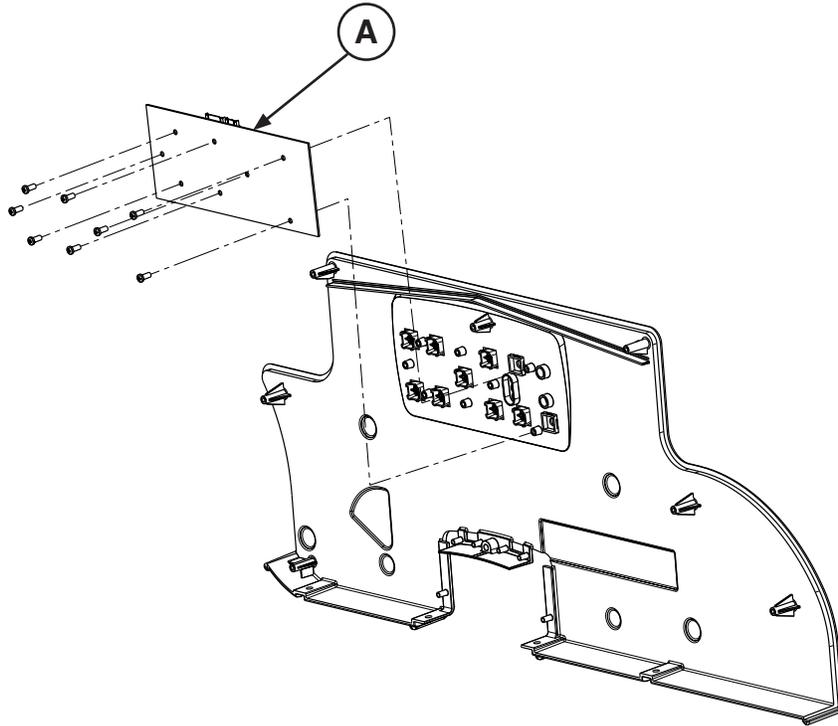


Item	Recycling/Material Code	Important Information	Qty
A	(3006-308-900) CPU Board		1
B	(0059-157-000) Power Supply		1

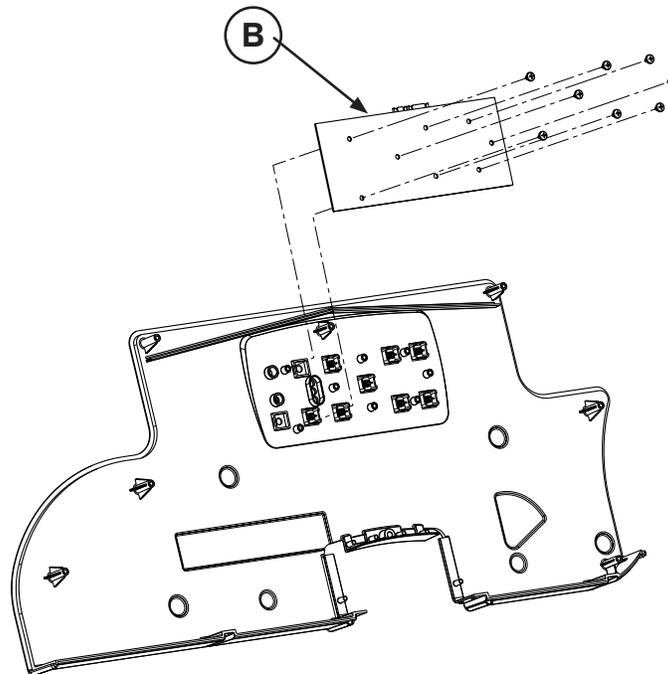
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# Recycling Passport

Assembly Part number: 3006-400-125 (Reference Only)



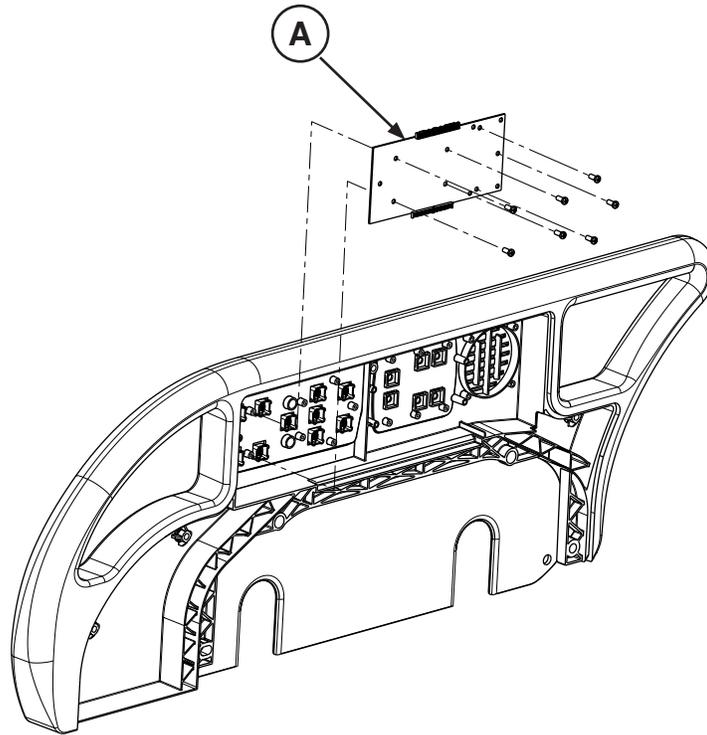
Assembly Part number: 3006-400-225 (Reference Only)



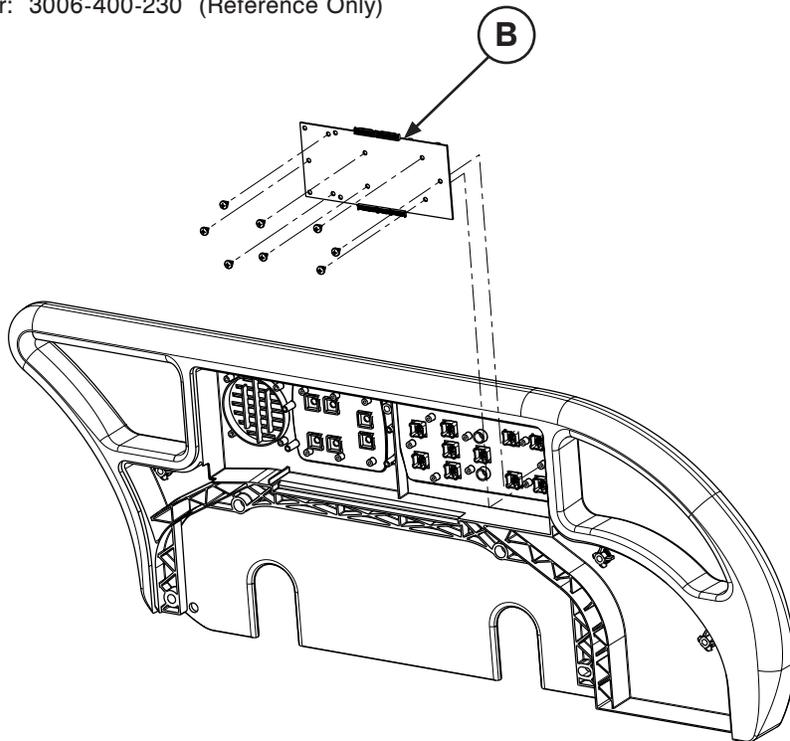
Item	Recycling/Material Code	Important Information	Qty
A	(3006-400-910) Siderail Outer PCB, Left		1
B	(3006-400-910) Siderail Outer PCB, Right		1

# Recycling Passport

Assembly Part number: 3006-400-130 (Reference Only)



Assembly Part number: 3006-400-230 (Reference Only)

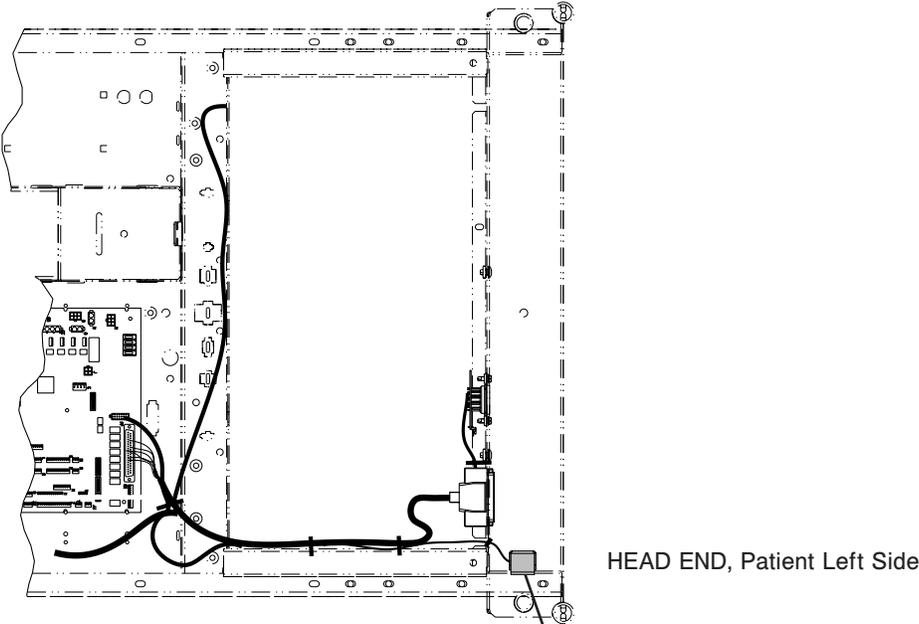


Item	Recycling/Material Code	Important Information	Qty
A	(3006-400-930) Siderail Outer PCB, Left		1
B	(3006-400-930) Siderail Outer PCB, Right		1

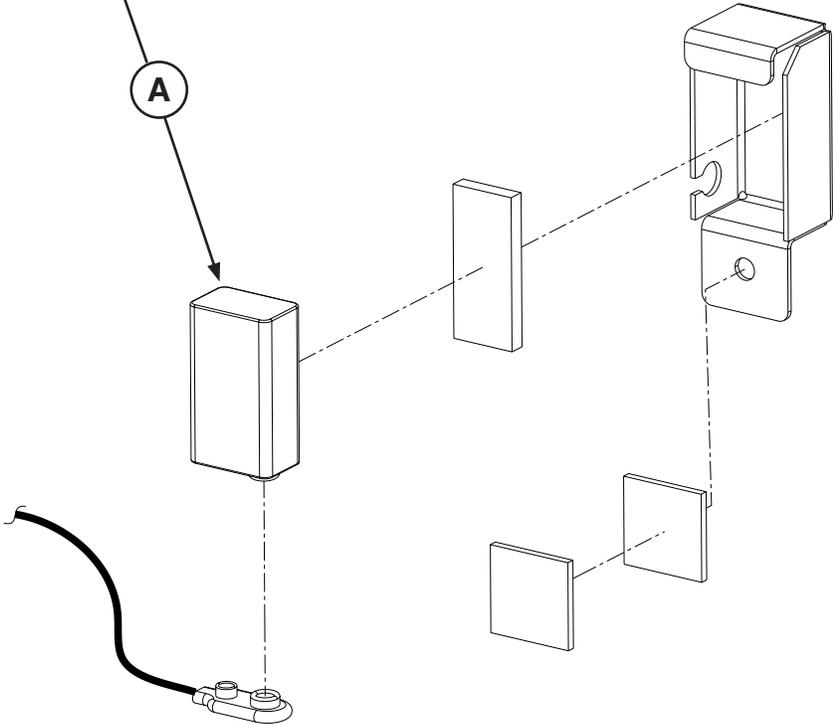
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# Recycling Passport

Assembly Part number: 3006-303-045 (Reference Only)



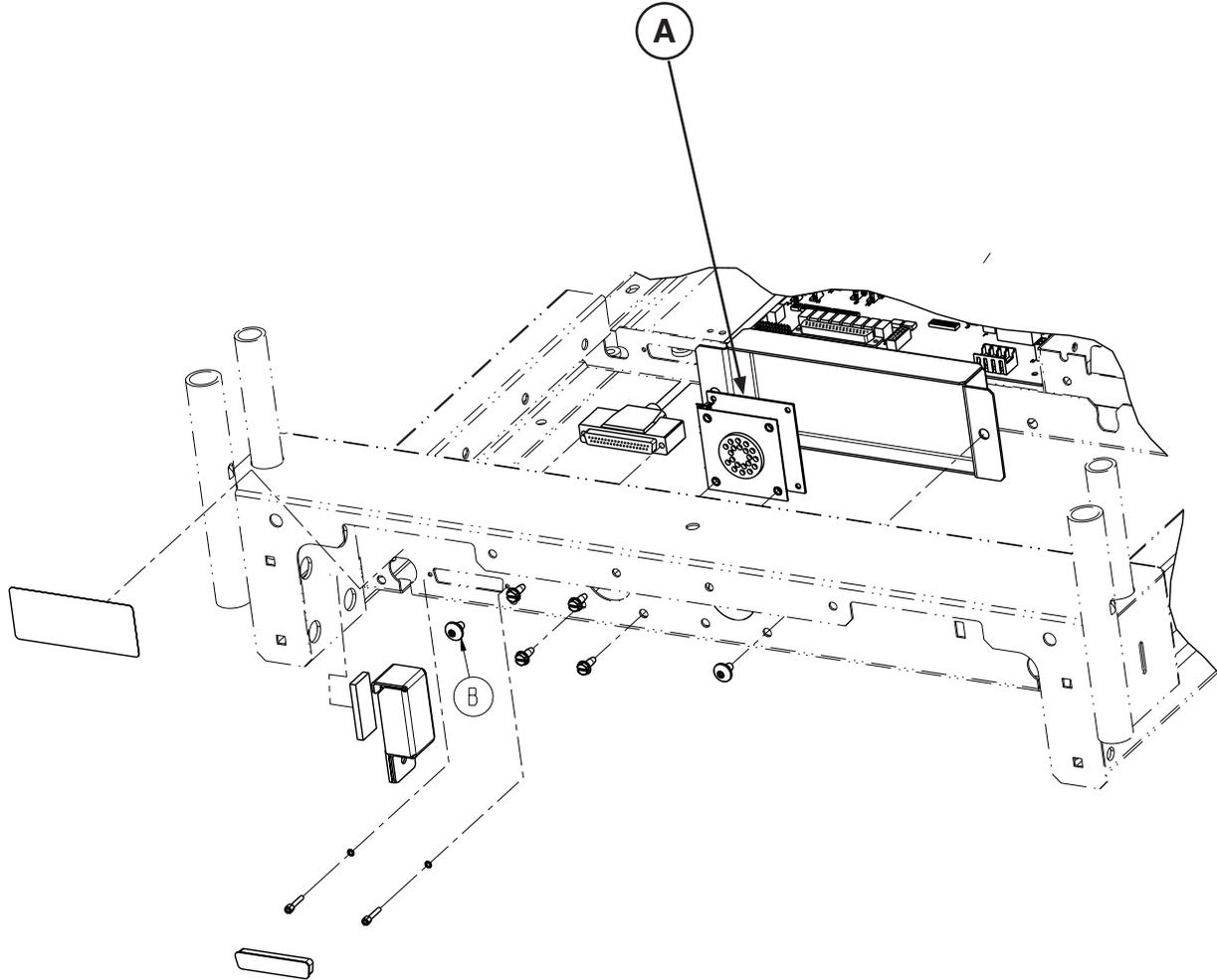
A



Item	Recycling/Material Code	Important Information	Qty
A	(3006-303-871) Battery 9V		1

# Recycling Passport

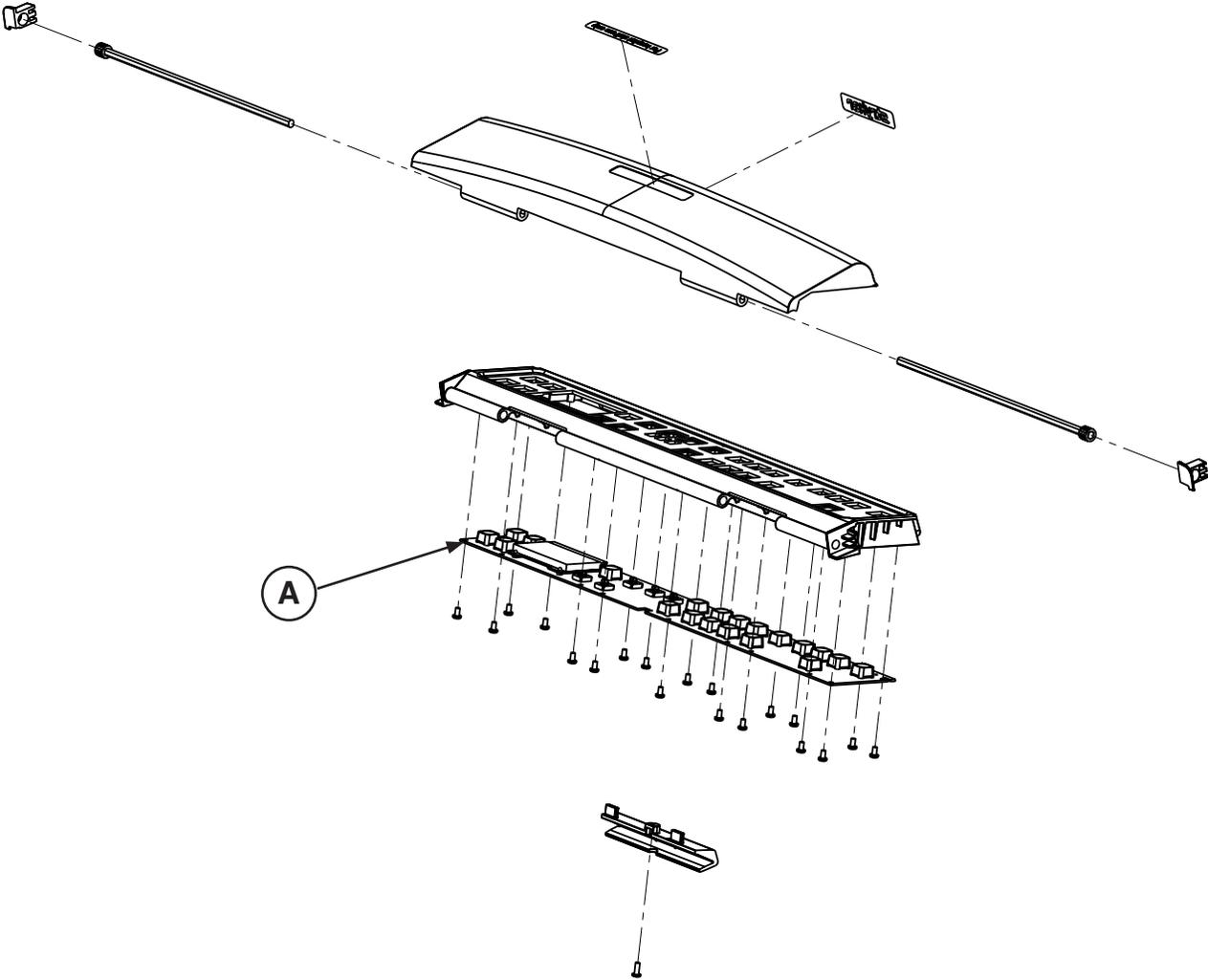
Assembly Part number: 3001-314-012 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	(3001-314-920) Pendant Port PCB		1

# Recycling Passport

Assembly Part number: 3006-501-011 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	(3006-501-900) Footboard PCB		1

# EMC Information

## S3™ MEDSURG BED, MODEL 3002

Guidance and Manufacturer's declaration - Electromagnetic Immunity			
The S3™ MedSurg Bed, Model 3002 is suitable for use in the electromagnetic environment specified below. The customer or the operator of the S3™ MedSurg Bed, Model 3002 should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	+6 kV contact +8 kV air	+6 kV contact +8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic fast Transient/burst IEC 61000-4-4	+2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	+8 kV differential mode +2 kV common mode	+8 kV differential mode +2 kV common mode	Main power quality is that of a typical commercial and/or hospital environment.
Voltage dips, voltage variations and short interruptions on power supply input lines IEC 61000-4-11	<5%Ut (95% dip in Ut) for 0,5 cycle 40%Ut (60% dip in Ut) for 5 cycles 70%Ut (30% dip in Ut) for 25 cycles. <5% Ut (>95% dip in Ut) for 5 sec.	<5%Ut (95% dip in Ut) for 0,5 cycle 40%Ut (60% dip in Ut) for 5 cycles 70%Ut (30% dip in Ut) for 25 cycles. <5% Ut (>95% dip in Ut) for 5 sec.	Main power quality should be that of a typical commercial and/or hospital environment. If the operator of the S3™ MedSurg Bed, Model 3002 requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial and/or hospital environment.
Note: $U_T$ is the a.c. mains voltage prior to applications of the test level.			

# EMC Information

## S3™ MEDSURG BED, MODEL 3002 (CONTINUED)

### Recommended separation distances between portable and mobile RF communications equipment and the S3™ MedSurg Bed, Model 3002.

The S3™ MedSurg Bed, Model 3002 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the operator of the S3™ MedSurg Bed, Model 3002 can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the S3™ MedSurg Bed, Model 3002 as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter		
	m		
	150 kHz to 80 MHz $d=1,2 \sqrt{P}$	80 MHz to 800 MHz $d=1,2 \sqrt{P}$	800 MHz to 2.5 GHz $d=2,3 \sqrt{P}$
0,01	1,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $P$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

#### Note 1

At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

#### Note 2

These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

# EMC Information

## S3™ MEDSURG BED, MODEL 3002 (CONTINUED)

The S3™ MedSurg Bed, Model 3002 is suited for use in the electromagnetic environment specified below. The customer or the operator of the S3™ MedSurg Bed, Model 3002 should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
<p style="text-align: center;">Conducted RF IEC 61000-4-6</p> <p style="text-align: center;">Radiated RF IEC 61000-4-3</p>	<p style="text-align: center;">3 Vrms 150 kHz to 80 MHz</p> <p style="text-align: center;">3 V/m 80 MHz to 2,5 GHz</p>	<p style="text-align: center;">3 Vrms</p> <p style="text-align: center;">3 V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the S3™ MedSurg Bed, Model 3002, including cables, than the recommended separation distance calculated from the equation appropriate for the frequency of the transmitter.</p> <p style="text-align: center;">Recommended Separation Distance</p> <p style="text-align: center;"><math>d=1,2 \sqrt{P}</math></p> <p style="text-align: center;"><math>d=1,2 \sqrt{P}</math></p> <p style="text-align: center;"><math>d=2,3 \sqrt{P}</math> 800 MHz to 2,5 GHz</p> <p>where <math>P</math> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and <math>d</math> is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,<sup>a</sup> should be less than the compliance level in each frequency range.<sup>b</sup></p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> <div style="text-align: center;">  </div>

**Note 1**  
At 80 MHz and 800 MHz, the higher frequency range applies.

**Note 2**  
These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

<sup>a</sup>Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the S3™ MedSurg Bed, Model 3002 is used exceeds the applicable RF compliance level above, the S3™ MedSurg Bed, Model 3002 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the S3™ MedSurg Bed, Model 3002.

<sup>b</sup>Over the frequency range 150 kHz to 80 MHz, field strengths are less than 3 V/m.

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# EMC Information

## S3™ MEDSURG BED, MODEL 3002 (CONTINUED)

<b>Guidance and Manufacturer's declaration - Electromagnetic Emissions</b>		
<p>The S3™ MedSurg Bed, Model 3002 is intended for use in an electromagnetic environment specified below. The customer or the operator of the S3™ MedSurg Bed, Model 3002 should assure that it is used in such an environment.</p>		
Emissions Test	Compliance	Electromagnetic Environment
RF Emissions CISPR 11	Group 1, without <i>i</i> Bed® Wireless option  Group 2, with <i>i</i> Bed® Wireless option	The S3™ MedSurg Bed, Model 3002 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The S3™ MedSurg Bed, Model 3002 is suitable for use in all establishments other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Complies	

# Warranty

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## LIMITED WARRANTY

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser the S3™ MedSurg Bed, Model 3002 to 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. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to the factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgment 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 Bed products are designed for a 15-year expected service life under normal use, conditions, and with appropriate periodic maintenance as described in the maintenance manual for each device. Stryker warrants to the original purchaser that the welds on its Bed products will be free from structural defects for the expected 15-year life of the Bed product as long as the original purchaser owns the product.

Stryker Medical optional components and/or accessories are warranted as follows:

- Motion/Nurse Call Pendant: Two (2) years service life under normal use and proper care
- Motion/Nurse Call/SmartTV Pendant: Two (2) years service life under normal use and proper care

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 here under 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 USA at 1-800-327-0770.

## 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

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## 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.





Stryker Medical  
3800 E. Centre Ave.  
Portage, Michigan 49002  
USA



Stryker EMEA RA/QA Director  
ZAC – Avenue de Satolas Green  
69881 MEYZIEU Cedex  
France



**stryker**<sup>®</sup>