

EPIC II®
Critical Care Bed

REF 2030

stryker®

Operations Manual



Table of Contents

Introduction	5
Intended Use	5
Specifications	5
Mattress Specifications	5
Warning / Caution / Note Definition.	6
Symbols	7
Safety Tips and Guidelines	8
iBED Awareness Option	10
Setup Procedures	11
Base Operation Guide	12
Brake Pedal Operation	12
Steer Pedal Operation	12
Battery Backup Operation and Battery Charging (Epic II® PLUS Option).	13
Litter Operation Guide	14
Operating I.V. Poles	14
CPR Emergency Release Usage	15
CPR Board Usage	15
Foley Bag Hooks Usage	15
Positioning Siderails	16
Siderail Control Panel Lights	16
Siderail Operation Guide	16
Outside Siderail Function Guide	17
Inside Siderail Function Guide	18
Inside Siderail Function Guide	19
Head Board Control Panel Operation Guide	20
Operating the Optional Epic II® PLUS Head End Control Panel	20
Foot Board Operation Guide	21
Foot Board Control Panel Guide	21
LED Display Panel Guide	22
Function Lockout System Usage	22
Chaperone® Bed Exit (Optional Equipment).	24
Chaperone® Bed Exit With Zone Control (Optional Equipment)	25
Chaperone® Zone Settings	26
Scale System Control Panel Guide	27
Preparing The Bed For Patient Stay/zeroing The Scale System	29
Activating the Scale System and Displaying Patient Weight	29
Adding or Removing Items During a Patient's Stay	30
Displaying Trendelenburg or Fowler Angle	31
Converting the Patient's Weight	31
Displaying the Weight Log	32
Viewing Patient Weight in Gain/Loss Mode	33
Changing the Numerical Value of Displayed Weight	34
Optional Pendant Operation	35

Table of Contents

Optional iBED Awareness System Operation Guide	36
Intended Use	36
Footboard Control Panel Buttons	36
Footboard Control Panel Functions	37
LED Indicators: Footboard	39
LED Indicators: Dashboard	40
Display Screens	41
Power Up	41
Status Screen	41
Message Screen	41
Main Menu Screen	42
iBED Awareness Functionality	46
iBED Awareness Status Light Bar	46
iBED Awareness Side LED's	46
iBED Awareness Button	46
iBED Awareness Monitoring and Alarms	47
Low Height	47
Brakes	47
Siderails	47
Bed Exit	48
Additional Alarm Conditions	48
iBED Awareness Locks	48
Fowler 30°+ Lock button	48
Bed Motion Lock	49
Patient Control Locks	49
Preventative Maintenance	50
Nurse Call Battery	50
Main Bed Power Circuit Breaker	50
Battery Charger Circuit Breaker (Epic II® PLUS Option)	50
Checklist	51
Cleaning	52
Warranty	53
Limited Warranty	53
To Obtain Parts and Service	53
Service Contract Coverage	53
Service Contract Programs	54
Return Authorization	54
Damaged Merchandise	54
International Warranty Clause	54
EMC Information	55
Recycling Passport	59

Introduction


Intended Use

This manual is designed to assist you with the operation of the Model 2030 Epic II® and Epic II® PLUS Critical Care Beds. Read it thoroughly before using the equipment

Note

Epic II® PLUS and Epic II® + are interchangeable terms within this manual.

Specifications

		Safe Working Load		
		Note: Safe Working Load indicates the sum of the patient, mattress, and accessory weight.	500 lbs	227 kg
Bed Weight			594 lbs	269 kg
Scale System Capacity (optional equipment). Loads weighing up to			500 lbs	227 kg
Scale System Accuracy (optional equipment)			±3 pound of total patient weight at any bed position ¹ (patients weighing 100 lb or less) ±3% of total patient weight at any bed position ¹ (patients weighing greater than 100 lb)	
Overall Length/Width	Length		91"	231 cm
	Width		42.5"	108 cm
Minimum Bed Height			18"	46 cm
Maximum Bed Height (Standard)			30" to 31"	76.2 cm to 78.7 cm.
Maximum Bed Height (Enhanced)			32" to 33"	81.2 cm to 83.8 cm.
Fluoroscopy Access	Epic II®		17"	43.1 cm
	Epic II® PLUS		16"	41 cm
Knee Gatch Angle			0° to 30°	
Back Angle			0° to 90°	
Trendelenburg/Reverse Trendelenburg			-12° to +12° ±2°	
Electrical Requirements			120VAC, 60 Hz, 8A 100VAC, 50/60 Hz, 9A (Japan Option)	
Battery Voltage			(2) 12V, 31 Ah (Gel Cell Battery) - ZOOM™ Option (1) 9V (Alkaline Battery) - Nurse Call Option	
Noise Level			> 65 dB	
Outlet Option			120VAC, 5A, 60 Hz	
¹ If the bed is equipped with the enhanced height option, the scale accuracy is as described above for litter angles from 0° to ±5° Trend.				
Mattress Specifications				
Thickness			6"	15.2 cm
Width			>= 35"	>= 88.9 cm
Length			>= 84"	>= 213.4
ILD			80 lbs	36.3 kg

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

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

Warning / Caution / Note Definition

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



WARNING

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



CAUTION

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

Note

This provides special information to make maintenance easier or important instructions clearer. Before operating the Model 2030 Epic II® and Epic II® PLUS Critical Care Beds, it is important to read and understand all information in this manual. Carefully read and strictly follow the safety guidelines listed on this page. To ensure safe operation of the unit, methods and procedures must be established for educating and training hospital staff on the intrinsic risks associated with the usage of motorized electric frames.

Symbols



Warning/Caution, consult accompanying documentation



Alternating Current



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.

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.

Mode of Operation: Continuous

IPX4: Protection from liquid splash



Dangerous Voltage Symbol



Protective Earth Terminal



Potential Equalization Symbol



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.



Safe Working Load Symbol



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.

Safety Tips and Guidelines

Safety Tips and Guidelines

Before operating the Epic II® and Epic II® PLUS Critical Care Beds, it is important to read and understand all information in this manual. Carefully read and strictly follow the safety tips and guidelines listed in this manual.

To ensure safe operation of the bed, methods and procedures must be established for educating and training hospital staff on the intrinsic risks associated with the usage of electric beds.



WARNING

- The Epic II® Critical Care Bed is equipped with a hospital grade plug for protection against 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.
- Serious injury can result if caution is not used when operating the bed. Operate bed 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.
- 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). Serious injury could result if the bed moves while a patient is getting in or out of bed. After the brake pedal is applied, push on the bed to ensure the brakes are locked. When moving the bed, toggle the steer pedal to put the bed in the steer mode. This locks the swivel motion of the right foot end caster and makes the bed easier to move.
- When raising the siderails, listen for the “click” that indicates the siderail has locked in the up position. Pull firmly on the siderail 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 necessary to ensure a patient will remain safely in bed.
- Ensure the brakes are completely released prior to attempting to move the bed. Attempting to move the bed with the brakes actuated could result in injury to the user and/or patient.
- Assistance is required to lower the Back if the angle of the Back is greater than 80° when the CPR emergency release is activated. Attempting to lower the Back in this position without assistance may result in injury to the operator.
- 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. The bed exit system 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.
- If the bed is equipped with the Epic II® PLUS option, there is a power save mode. The power save mode is activated after one hour on battery power with no motion release switch activation. Functions including Bed Exit, scale and motion will cease to operate when the unit enters the power save mode. Injury to the patient could occur if proper patient monitoring protocol is not observed.
- Due to the weight the battery back-up option adds to the bed (approximately 50 pounds), additional force is required to move a bed equipped with the Epic II® PLUS Option. Caution should be used when transporting this bed. Additional assistance should be used when necessary. Failure to use caution while transporting this bed may result in injury to the user.
- Always unplug bed during service or cleaning. When working under the bed, always place blocks under the litter frame to prevent injury in case the Bed Down switch is accidentally activated.
- The battery tray assembly weighs 50 pounds. Take care when removing the two hex head screws securing it to the base frame or personal injury could result.
- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **Wash hands after handling.**
- The Epic II® Critical Care Bed is not intended for pediatric use or for patients under 50 pounds.
- Explosion Hazard - do not use bed in the presence of flammable anesthetics.
- To avoid entanglement, possibly resulting in frayed power cords and risk of electrical shock, wrap the bed power cord around the roller bumpers at the head end of the bed during transport.

Safety Tips and Guidelines

WARNING (CONTINUED)

- Service only by qualified personnel. Refer to the maintenance manual. Verify the power cord is unplugged and the battery power switch (Epic II® PLUS option) is turned to the off position before servicing.
- 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.

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 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 Therapy Mattress extra caution and or operator supervision is required to help reduce the likelihood of a patient fall occurring.

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 bed's scale system to weigh inaccurately.
- The lockout buttons on the foot board 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.
- Because individual beds may have different options, foot boards should not be moved from one bed to another. Mixing foot boards could result in unpredictable bed operation.
- If large fluid spills occur in the area of the circuit boards or 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 short out controls and may cause the bed to operate erratically or make some functions completely inoperable. Component failure caused by fluids could even cause the bed to operate unpredictably and could cause injury to the patient. 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 features are functioning as designed. Close attention should be given to safety features including, but not limited to:
 - Safety side latching mechanisms
 - Leakage current 300 μ A max.
 - Frayed electrical cords and components
 - Caster braking systems
 - All controls return to off or neutral position when released
 - No controls or cabling entangled in bed mechanisms
- The siderails are not intended to be used as a pushing device. Damage to the siderails could occur.
- The use of a mattress overlay may reduce the effectiveness of the siderail.
- When attaching equipment to the bed, ensure it will not impede normal bed operation or patient injury could occur. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, etc.
 - The weight of the I.V. bags should not exceed 40 pounds.
 - Do not add or remove weight when the bed exit system is armed.
 - The cleanliness and integrity of both ground chains must be maintained to minimize static build up and discharge.
 - I.V. Poles should not be used as a bed push/pull device.

Safety Tips and Guidelines



CAUTION (CONTINUED)

- The following Caution statements apply to the optional outlet:
 - Maximum total load 5A receptacle rating: 125VAC, 5A, 60Hz.
 - The total system chassis risk current should not exceed 300 μ A
 - Grounding continuity should be checked periodically.
 - Do not use for life-sustaining equipment.
 - Use only hospital-grade equipment with electrical outlet.
 - Unplug free-standing equipment before transporting the bed.

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 but 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 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 be lost.
- If the optional iBED Awareness system is being used; use of accessories that cover the alert light are not recommended.

Setup Procedures

Setup Procedures

It is important that the Epic II® Critical Care Bed is working properly before it is put into service. The following list will help ensure that each part of the bed is checked.

- Plug the bed into a properly grounded, hospital grade wall receptacle.

WARNING

The Epic II® Critical Care Bed is equipped with a hospital grade plug for protection against 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.

- Depress the pedal at either side of the bed fully to set the four wheel brakes and ensure all four casters lock. Depress the pedal again to release the brakes.
- Toggle the steer pedal to put the bed in the steer mode and ensure the locking casters engage.
- Ensure the siderails raise and lower smoothly and lock in the up and intermediate positions.
- Run through each function on the foot board control panel and ensure that each is working properly (refer to the Function Lockout System Usage section and the Scale System Control Panel Guide).
- Ensure all functions are working properly on the siderail controls.
- Raise the Back up to approximately 60°. Squeeze the CPR release handle and ensure the Back and Knee will drop with minimal effort.
- If the bed is equipped with the Epic II® PLUS battery backup option, unplug the power cord from the wall socket. Push the battery power switch located on the lower left corner of the head end to the “ON” position. Again, verify each function on the foot board and siderails is operating properly. The 12 volt batteries that provide back-up power to the unit functions with the Epic II® PLUS option will charge whenever the power cord is plugged into the wall socket. The batteries require approximately 10 hours of charging time before the bed is put into service.
- If the bed is equipped with the Nurse Call option, verify it is functioning properly prior to patient use.

Base Operation Guide

Brake Pedal Operation

WARNING

Always apply the caster brakes when a patient is getting on or off the bed. Push on the bed 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.

Ensure the brakes are completely released prior to attempting to move the bed. Attempting to move the bed with the brakes actuated could result in injury to the user and/or patient.

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.

BRAKE
PRESS TO SET OR RELEASE

NOTE

There are LED lights on the outside of the head end siderails that will blink when the brakes are not engaged only if the bed is plugged into a wall socket (see page 13). The brakes will still operate properly when the bed is not plugged in.

Steer Pedal Operation

The purpose of the steer caster is to help guide the bed along a straight line and to help with pivoting at corners when the bed is moved.

To activate the steer caster, move the pedal located at the head end of the bed to your left 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.

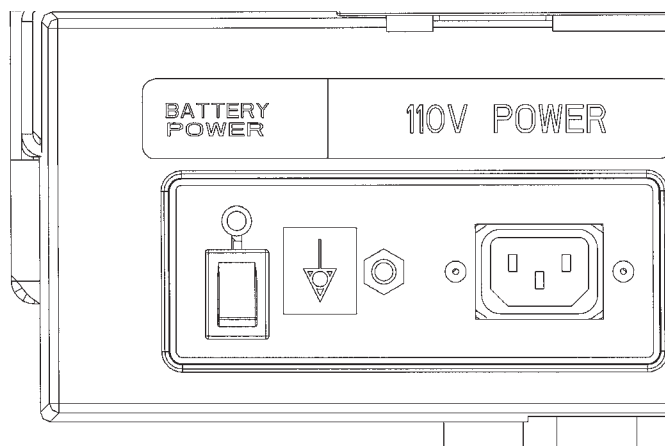
 **ON STEER OFF**

WARNING

To avoid entanglement, possibly resulting in frayed power cords and risk of electrical shock, wrap the bed power cord around the head board of the bed during transport.

Base Operation Guide

Battery Backup Operation and Battery Charging (Epic II® PLUS Option)



1. A unit equipped with the Epic II® PLUS option has two 12 volt batteries to provide back-up power to the unit functions if the power cord is unplugged from the wall socket. The unit functions will not operate properly with the power cord unplugged if the batteries are not sufficiently charged. The batteries are charging whenever the power cord is plugged into a properly grounded, hospital grade wall socket. When the unit is stationary, the power cord should be plugged into a wall socket whenever possible. The batteries require approximately 10 hours of charging time when they are fully discharged.
2. Activate the battery backup option by placing the battery power switch located at the left side of the head end of the litter in the "ON" position. The Battery Power LED will illuminate. The three LED's on the head end control panel will flash on for approximately 1 second to indicate the level of battery charge. All three will flash if the batteries are fully charged, two will flash if the batteries are partially discharged but still adequate for operation and only one will flash if the batteries are near full discharge. The "Plug Bed In To Charge" LED on the Head End Control Panel (see page 30) will remain illuminated while the battery power switch is on if the battery level is low. Plug the power cord into a wall socket to charge the batteries.
3. After one hour on battery power, the unit will enter power save mode and none of the unit's powered functions will operate. To reactivate the battery backup, either toggle the battery power switch off and back on again or plug the bed power cord into a wall socket.

NOTE

The Battery Power LED located above the battery power switch will be illuminated when the unit is in power save mode.

WARNING

- Functions including Bed Exit, scale and bed motion will cease to operate when the unit enters the power save mode. Injury to the patient could occur if proper patient monitoring protocol is not observed.
- Due to the weight the battery back-up option adds to the bed (approximately 50 pounds), additional force is required to move a bed equipped with the Epic II® PLUS Option. Caution should be used when transporting this bed. Additional assistance should be used when necessary. Failure to use caution while transporting this bed may result in injury to the user.

Litter Operation Guide

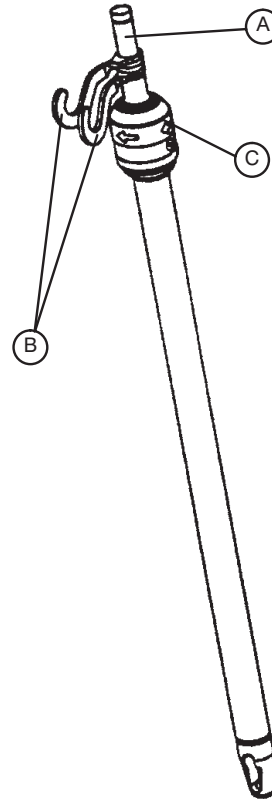
Operating I.V. Poles

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. 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.

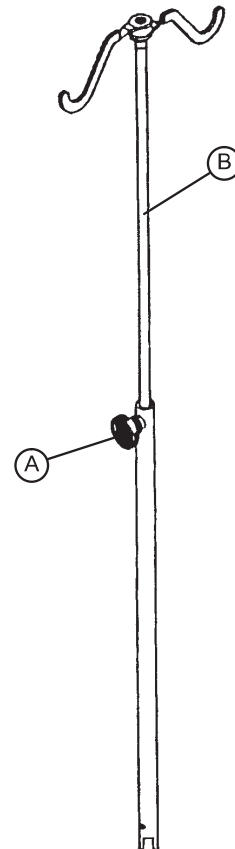


Caution

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

WARNING

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



To use the “Removable” IV 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 weight of the I.V. bags should not exceed 40 pounds.

Litter Operation Guide

CPR Emergency Release Usage

If the Back and/or Knee is raised and quick access to the patient is needed, squeeze one of the two red emergency release handles, located under the litter top at the head section on either side of the bed, and the Back and Knee will lower to a flat position. The handle can be released at any time to stop the Back from lowering.

WARNING

Assistance is required to lower the Back if the angle of the Back is greater than 80° when the CPR emergency release is activated. Attempting to lower the Back in this position without assistance may result in injury to the operator

CPR Board Usage

The CPR board is stored on the bed's head board. To remove it, pull it away from the head board and lift it out of the storage position. The head board can also be removed and used as an emergency CPR board.

Foley Bag Hooks Usage

The standard Foley bag hooks are found at two locations on both sides of the bed, under the frame rail below the seat section and at the extreme foot end of the bed. The patient weight reading on the bed scale system will not be affected when the Foley bag hooks are used.

Siderail Operation Guide

Positioning Siderails

NOTE

The head end siderails can be locked at two positions (intermediate & full). The foot end siderails lock in the full up position only.

- The siderails can slide to the side of the bed when not in use. To remove the rail from the tucked position, grasp the top of the rail and pull outward.
- To engage the head end siderail, grasp the rail and swing it upward to full height. When the siderail is being raised, it does not lock in the intermediate position. To lower the siderail, push in the yellow release handle and rotate the siderail until it locks in the intermediate position. To lower the siderail fully, push in the yellow release handle again and rotate the siderail until it is completely lowered.

NOTE

To activate the siderail bypass mechanism, the rail must be fully lowered. If the rail is not completely lowered, the siderail will lock in the intermediate position when it is raised. There is no intermediate level and thus no bypass function on the foot end siderails.

- To engage the foot end siderail, the same procedure is required as for the head end siderail, however, the siderail swings toward the foot end of the bed.



WARNING

When raising the siderails, listen for the “click” that indicates the siderail has locked in the up position. Pull firmly on the siderail 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 necessary to ensure a patient will remain safely in bed.



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 bed's scale system to weigh inaccurately.
- The siderails are not intended to be used as a pushing device. Damage to the siderails could occur.
- The use of a mattress overlay may reduce the effectiveness of the siderail.

Siderail Control Panel Lights

- The head end siderails are equipped with lights to illuminate the siderail control buttons and the nurse call switch. The lights are activated at the foot board control panel.
- There are three settings for the intensity of the siderail control lights: low, medium and high. When all the siderail lights are off, push the siderail control light button on the foot board once to turn on both the control lights and the nurse call indicator light. Push the button again to change the siderail control lights from low to medium setting, and again to change to the high setting. (The intensity of the nurse call indicator light does not change.)
- When all the siderail lights are on, pushing the button once will turn off only the siderail control lights and pushing it again will turn off the nurse call indicator light (see control panel guide [page 21](#)).

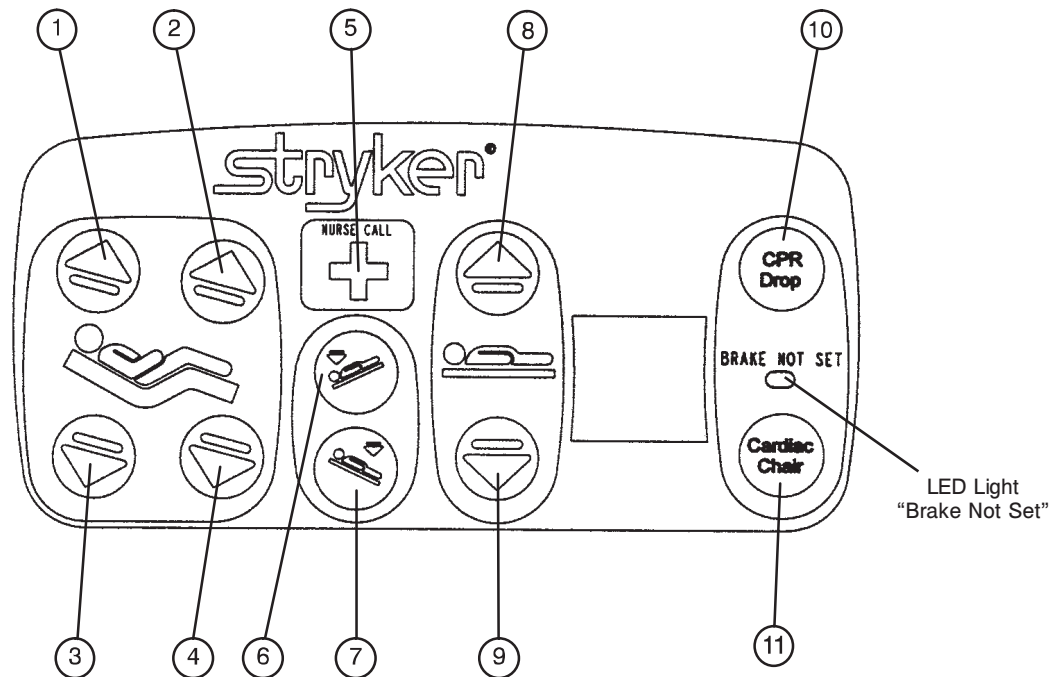


CAUTION

The nurse call indicator light on the siderails helps ensure the patient understands where the button is for contacting the nurse station. Turning this light off will compromise this ability, especially in a darkened room.

Siderail Operation Guide

Outside Siderail Function Guide



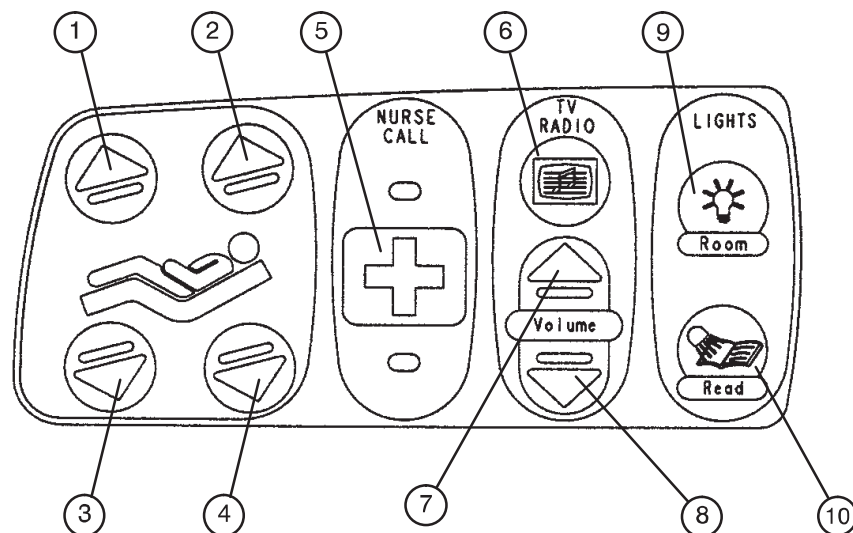
1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.
5. Press to activate nurse call. (This function is optional equipment.)
6. Press to lower the head end of the bed (Trendelenburg).
7. Press to lower the foot end of the bed (Reverse Trendelenburg).
8. Press to raise the litter. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
9. Press to lower the litter.
10. Press to activate emergency CPR positioning.
11. Press to activate Cardiac Chair positioning.

CAUTION

When attaching equipment to the bed, ensure it will not impede normal bed operation or patient injury could occur. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, etc.

Siderail Operation Guide

Inside Siderail Function Guide



Beds with All Options (Including Basic TV/Radio)

1. Press to raise knee section.
2. Press to raise back section.
3. Press to lower knee section.
4. Press to lower back section.

The following functions are optional equipment.

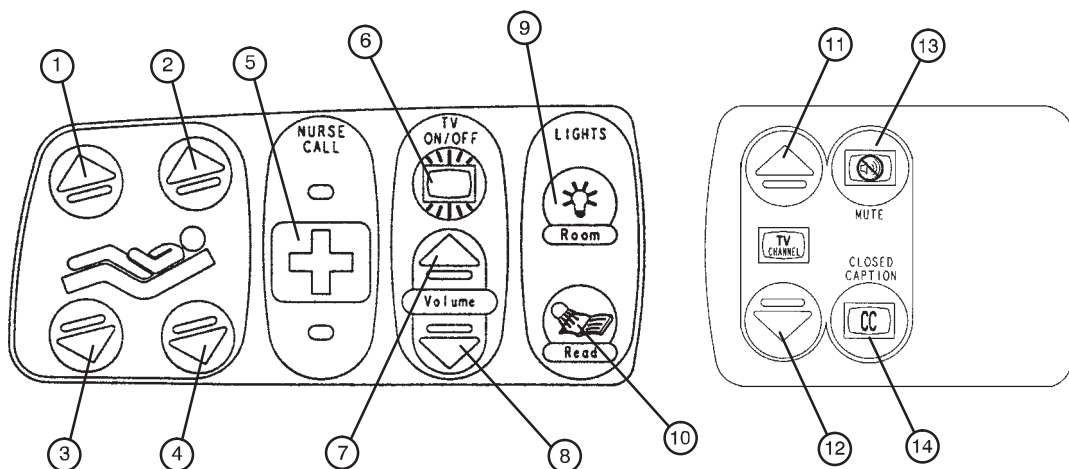
5. Press to activate the nurse call.
6. Press to turn on the TV or radio. Press again to change TV channels and to turn off the TV.
7. Press to increase the TV or radio volume.
8. Press to decrease the TV or radio volume.
9. Press to turn on the room lights. Press again to turn off.
10. Press to turn on the reading light. Press again to turn off.

CAUTION

When attaching equipment to the bed, ensure it will not impede normal bed operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, etc.

Siderail Operation Guide

Inside Siderail Function Guide



Beds with All Options (Including Smart TV)

1. Press to raise knee section.
2. Press to raise back section.
3. Press to lower knee section.
4. Press to lower back section.

The following functions are optional equipment.

5. Press to activate the nurse call.
6. Press to turn the TV on. Press again to turn off the TV.
7. Press to increase the TV or radio volume.
8. Press to decrease the TV or radio volume.
9. Press to turn on the room lights. Press again to turn off.
10. Press to turn on the reading light. Press again to turn off.
11. Press to change the TV channel up.
12. Press to change the TV channel down.
13. Press to mute the TV sound. Press again to turn the sound back on.
14. Press to display TV closed captioning.

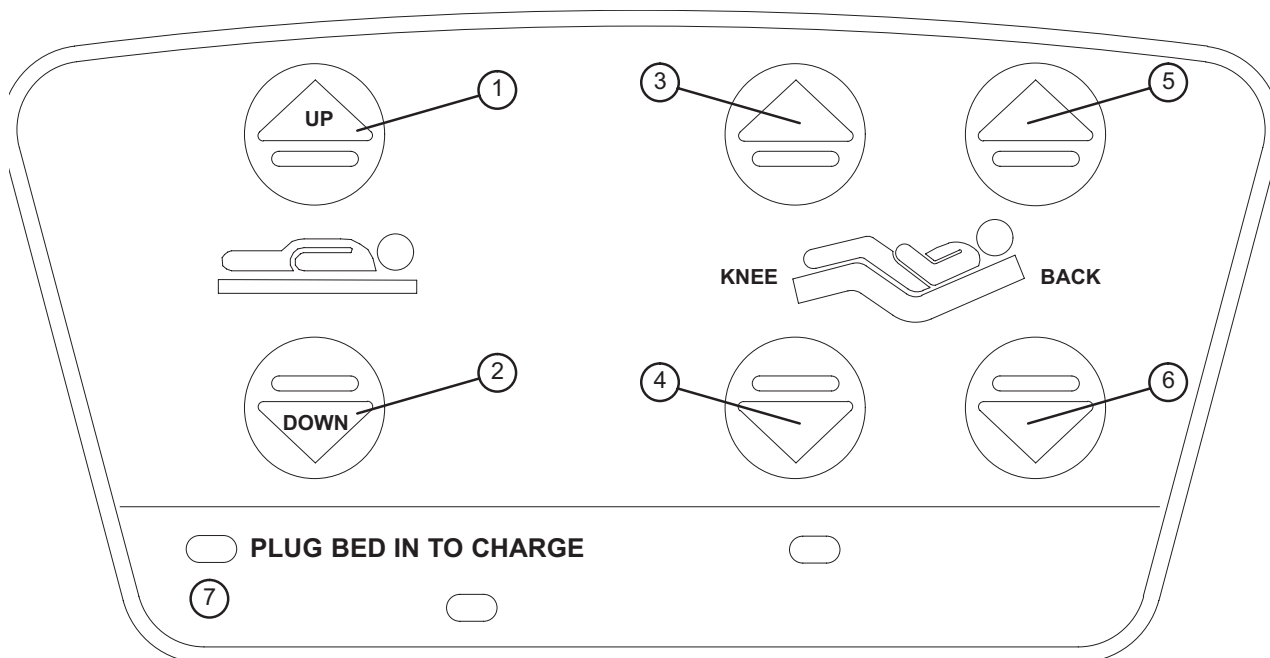
CAUTION

When attaching equipment to the bed, ensure it will not impede normal bed operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, etc.

Head Board Control Panel Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Operating the Optional Epic II® PLUS Head End Control Panel

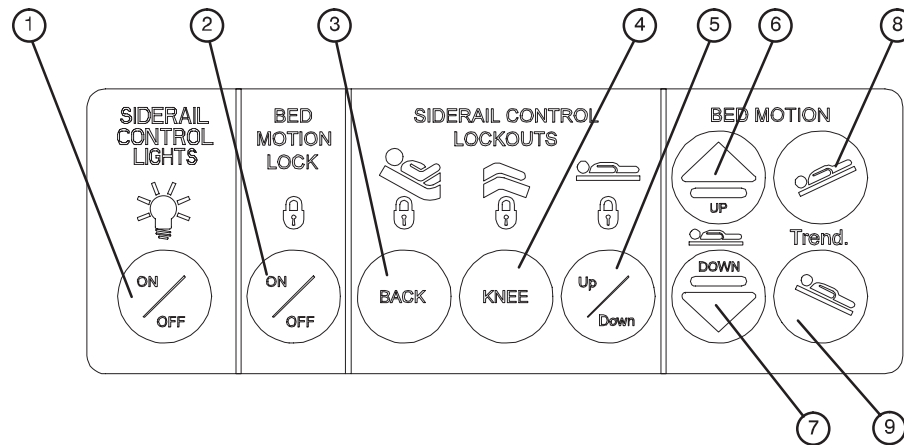


1. Press and hold to raise the litter. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
2. Press and hold to lower the litter.
3. Press to raise the Knee section.
4. Press to lower the Knee section.
5. Press to raise the Back section.
6. Press to lower the Back section.
7. The "Plug Bed In To Charge" LED will be illuminated while the battery power switch is on if the battery level is low. Plug the bed power cord into the wall socket to charge the batteries.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Foot Board Control Panel Guide



1. Press repeatedly for low, medium and high settings for the siderail control lights. Continue to press this switch to turn off the siderail control lights and the nurse call indicator light (see page 11).
2. Press to lock out all bed motion controls on the siderails. Press again to unlock.
3. Press to lock out Back motion control on the siderails. Press again to unlock.
4. Press to lock out Knee motion control on the siderails. Press again to unlock.
5. Press to lock out bed up/down motion controls on the siderails. Press again to unlock.
6. Press to raise the bed height. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
7. Press to lower bed.
8. Press to lower head end of bed (Trendelenburg).
9. Press to lower foot end of bed (Reverse Trendelenburg).

CAUTION

When attaching equipment to the bed, ensure it will not impede normal bed operation or patient injury could occur. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the nurse call button, etc.

Because individual beds may have different options, foot boards should not be moved from one bed to another. Mixing foot boards could result in unpredictable bed operation.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Foot Board Control Panel Guide (Continued)

LED Display Panel Guide

☐ **POWER** ☐ **BED MOTION LOCKED**

The LED Display Panel is located at the foot end of the bed, below the Control Panel.

- **“POWER”** - will light when the bed is plugged into the wall receptacle or the battery power switch is on. Will blink if the 9V Nurse Call battery needs to be replaced.
- **“BED MOTION LOCKED”** - will light when the Bed Motion Lock has been activated.

Function Lockout System Usage

1. To lock out all bed motion switches on the bed, press the “ON/OFF” switch in the “Siderail Control Lockouts” module. The padlock” symbol on the control panel will be lighted when that function is locked out.
2. To lock out the bed movement functions on the siderails and prevent the patient from changing the positioning of the bed, press the “BACK” or “KNEE” switch in the “Siderail Control Lockouts” module. The “padlock” symbol on the control panel will be lighted when that function is locked out.
3. To lock out the bed up/down motion on the siderails, press the Up/Down switch in the “Siderail Control Lockouts” module. The “padlock” symbol on the control panel will be lighted when that function is locked out.

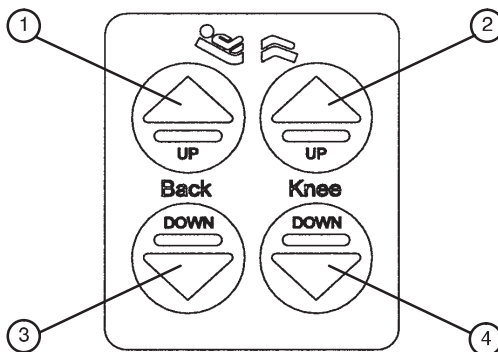
CAUTION

The lockout buttons on the foot board 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.

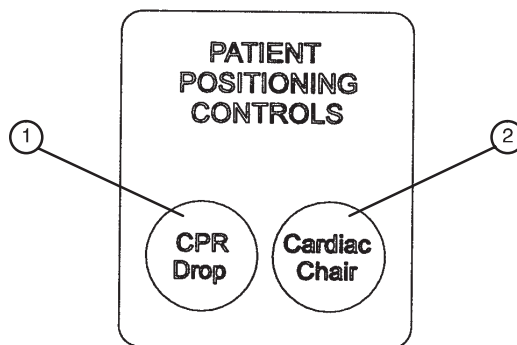
Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Foot Board Control Panel Guide (Continued)



1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.

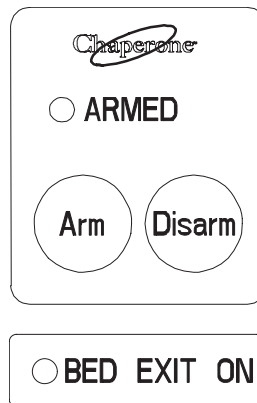


1. Press to activate the emergency CPR drop function. The bed will level from Trendelenburg/reverse Trendelenburg, the Fowler will lower to flat, the Knee will lower to flat and the litter will lower to full down.
2. Press to activate the Cardiac Chair function. The Knee will raise, the Fowler will raise or lower to approximately 52° and the bed will tilt to approximately -12° reverse Trendelenburg (foot end down) or -14° if the bed has the enhanced height option. Release the button to stop bed movement: hold the button until movement stops to complete the function.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Chaperone® Bed Exit (Optional Equipment)



For beds with a scale system:

NOTE

If the scale system is in use, it will switch to “off” when the “ARM” key is pressed.

1. Before putting the patient on the bed, the scale system must be zeroed for the Bed Exit System to function properly (see Zeroing the Scale System in the Scale System Usage section).
2. Put the patient on the bed and push the “ARM” key to activate the Bed Exit function. The “ARMED” light will come on.
3. To deactivate Bed Exit, push the “DISARM” key. The “ARMED” and “BED EXIT ON” lights will turn off.

For beds without a scale system:

1. Before putting the patient on the bed, press and hold the “ARM” and the “DISARM” keys together until the “ARMED” light begins to flash.
2. Release the “ARM” and the “DISARM” keys and do not touch the bed until the “ARMED” light stops flashing.
3. Put the patient on the bed and push the “ARM” key to activate the Bed Exit function. The “ARMED” light will come on.
4. To deactivate Bed Exit, push “DISARM”. The “ARMED” and “BED EXIT ON” lights will turn off.



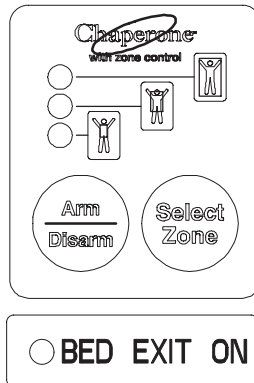
WARNING

- 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.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Chaperone® Bed Exit With Zone Control (Optional Equipment)



For beds with a scale system:

NOTE

If the scale system is in use, it will switch to “off” when Bed Exit is armed.

1. Before putting the patient on the bed, the scale system must be zeroed for the Bed Exit System to function properly (see Zeroing the Scale System in the Scale System Usage section).
2. Put the patient on the bed and push and release the “ARM/DISARM” key (top light will come on).
3. The Bed Exit system with Zone Control will automatically select the first zone. To change the zone, push and hold the “SELECT ZONE” key until the light indicating the desired zone comes on.
4. To deactivate Bed Exit, push the “ARM/DISARM” key. The selected zone light and “BED EXIT ON” lights will turn off.

For beds without a scale system:

1. Before putting the patient on the bed, press and hold the “ARM/DISARM” and the “SELECT ZONE” keys together for 5 seconds. The top light will begin to flash.
2. Release the “ARM/DISARM” and the “SELECT ZONE” keys and do not touch the bed until the top light stops flashing.
3. Put the patient on the bed and push and release the “ARM/DISARM” key (top light will come on).
4. The Bed Exit system with Zone Control will automatically select the first zone. To change the zone, push and hold the “SELECT ZONE” key until the light indicating the desired zone comes on.
5. To deactivate Bed Exit, push the “ARM/DISARM” key. The selected zone light and “BED EXIT ON” light 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.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Chaperone® Bed Exit with Zone Control (Continued)

Chaperone® Zone Settings

- The first zone (top 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 (bottom 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.

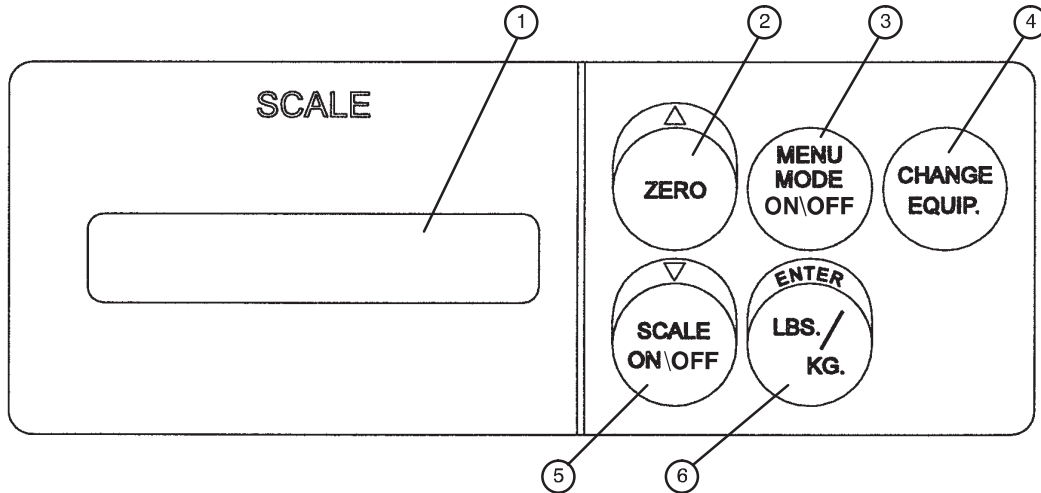
NOTE

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

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Scale System Control Panel Guide



This panel is optional equipment.

1. LCD - displays patient weight. Trendelenburg angle is displayed when the scale is not active.
2. Press to zero bed (see page 23). Also press to scroll while Menu Mode is active.
3. Press to enter and exit the Menu Mode.
4. Press when adding or removing equipment to the bed (see page 24).
5. Press to turn scale system on and off. Also press to scroll while Menu Mode is active.
6. Press to change weight from pounds to kilograms or back (see page 25). Also press while using the Menu Mode.
7. To display the Trendelenburg or Fowler angle of the bed see page 25.

NOTE

If weight is displayed, SCALE ON/OFF must be pressed to turn off the scale before the Trend. or Fowler angle will display.



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.

Foot Board Operation Guide

(Applies to Non-*i*BED Awareness Option Beds)

Scale System Control Panel Guide (Continued)

For more detailed operating instructions, see the following:

1. Preparing The Bed For Patient Stay/Zeroing the Bed - [page 29](#)
2. Activating the Scale System and Displaying Patient Weight - [page 29](#)
3. Adding or Removing Items During a Patient's Stay - [page 30](#)
4. Displaying Trendelenburg or Fowler Angle - [page 31](#)
5. Converting the Patient's Weight - [page 31](#)
6. Displaying the Weight Log - [page 32](#)
7. Viewing Patient Weight In Gain/Loss Mode - [page 33](#)
8. Changing the Numerical Value Of Displayed Weight - [page 34](#)

Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Preparing The Bed For Patient Stay/zeroing The Scale System


NOTE


Do not zero the bed while a patient is in bed. If this should occur, remove the patient and zero the bed again.

If Bed Exit is armed, it must be disarmed before the scales can be zeroed.

- Prepare the bed for the patient's stay by adding/removing linens, pillows, etc.

- Press and release  The scale monitor will read:
"LET GO FOR SCALE"
"WEIGHING"
"XXX.X LB"

- Press and hold  The scale monitor will read:
"HOLD TO ZERO WT."
"RELEASE TO ZERO"

- Release  The scale monitor will now read:
"DO NOT TOUCH BED"
"0.0 LB"

The bed is now ready for the patient.

NOTE

If there is a problem with a load cell or another component of the scale system, the system will try to zero for 30 seconds, and the scale monitor will read:

"UNABLE TO ZERO"

"TRY AGAIN"

If the problem continues, after 3 attempts at zeroing, the scale system will lock and the scale monitor will read:

"Scale Sys. Error"

"Call for service"

Unplug the bed power cord from the wall socket and plug it back in.

If the problem continues, call a service technician.






Activating the Scale System and Displaying Patient Weight

- Press and release  The scale monitor will read:
"LET GO FOR SCALE"
"WEIGHING"
"XXX.X LB"



Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Adding or Removing Items During a Patient's Stay

- If it is necessary to add or remove items (monitors, pumps, etc.) during the patient's stay, press and release  to activate the scale system. After the scale monitor reads: "XXX.X LB", press and hold . The scale monitor will read:
"HOLD TO START"
"RELEASE TO START"
- Release  The scale monitor will read:
"DO NOT TOUCH BED"
"ADD/REMOVE EQUIP."
- Add or remove the equipment and press . The scale monitor will read:
"RELEASE TO FIN."
- Release  The scale monitor will read:
"DO NOT TOUCH BED"
"XXX.X LB"

The weight displayed will be that of the patient only.

- If the CHANGE EQUIPMENT function is started but not finished, after approximately 45 seconds the monitor will read:
"HIT CH. EQ. TO END"
- Press  The scale monitor will read:
"RELEASE TO FIN."
- Release  The scale monitor will read:
"DO NOT TOUCH BED"
"XXX.X LB"

Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Displaying Trendelenburg or Fowler Angle

- If scale system is on, press and release . The scale monitor will read:

“EXIT SCALE”

“FOWLER ANGLE X°” (default setting)

or


“TREND ANGLE X°”

- If scale system is not active, the scale monitor will read:
“FOWLER ANGLE X°” (default setting)

or

“TREND ANGLE X°”

Converting the Patient’s Weight









- Press and release . The scale monitor will read:
“WEIGHT NOW KGS”
“XXX.X KG”
- Repeat the procedure to return to pounds. The display will read:
“WEIGHT NOW LBS”
“XXX.X LB”
- If the unit of measurement has been locked, the display will read:
“UNITS ARE LOCKED”

A service technician must be called to unlock the unit of measurement.

Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Displaying the Weight Log

- To display a list of the previous 10 weight readings, press  to activate the scale system. The scale monitor will read:
“LET GO FOR SCALE”
“XXX.X LB”
- Press  to enter the Menu Mode. The scale monitor will read:
“▲▼ FOR OPTIONS”
- Press  or  to scroll through the menu options. The scale monitor will read:
“SHOW WEIGHT LOG”
“PUSH ENTER”
- Press . The scale monitor will read:
“▲▼ WEIGHT LOG”
- Press  or  to scroll through the weight log. The scale monitor will read:
“1.0.0 LB”
- A weight reading is logged each time the  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.

Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Viewing Patient Weight in Gain/Loss Mode



- To view the patient's weight and to begin totaling the amount of weight the patient has gained or lost, press




to activate the scale system. The scale monitor will read:



"LET GO FOR SCALE"


- Press  to enter the Menu Mode. The scale monitor will read:
"▲▼ FOR OPTIONS"

- Press  or  to scroll through the menu options. The scale monitor will read:
"START GAIN/LOSS"
"PUSH ENTER"

- Press  The scale monitor will read:
"DO NOT TOUCH BED"
"XXX.X LB G XX.X"

- To exit Gain/Loss mode, press  to enter the Menu Mode. The scale monitor will read:
"▲▼ FOR OPTIONS"









- Press  or  to scroll through the menu options. The scale monitor will read:
"QUIT GAIN/LOSS"
"PUSH ENTER"

- Press  The scale monitor will read:
"XXX.X LB"

Scale System Usage

(Applies to Non-*i*BED Awareness Option Beds)

Changing the Numerical Value of Displayed Weight

- To decrease the numerical value of the displayed weight, press  to activate the scale system. The scale monitor will read:
“LET GO FOR SCALE”
“XXX.X LB”
- Press  to enter the Menu Mode. The scale monitor will read:
“▲▼ FOR OPTIONS”
- Press  or  to scroll through the menu options. The scale monitor will read:
“CHNG. PTNT. WGT.”
“PUSH ENTER”
- Press  The scale monitor will read:
“HOLD ▲ TO INC.”
“▼ TO DEC.”
- Press  to decrease the displayed weight or  to increase the displayed weight.
- Once the desired weight is displayed, press  The scale monitor will read:
“XXX.X LB”

NOTE

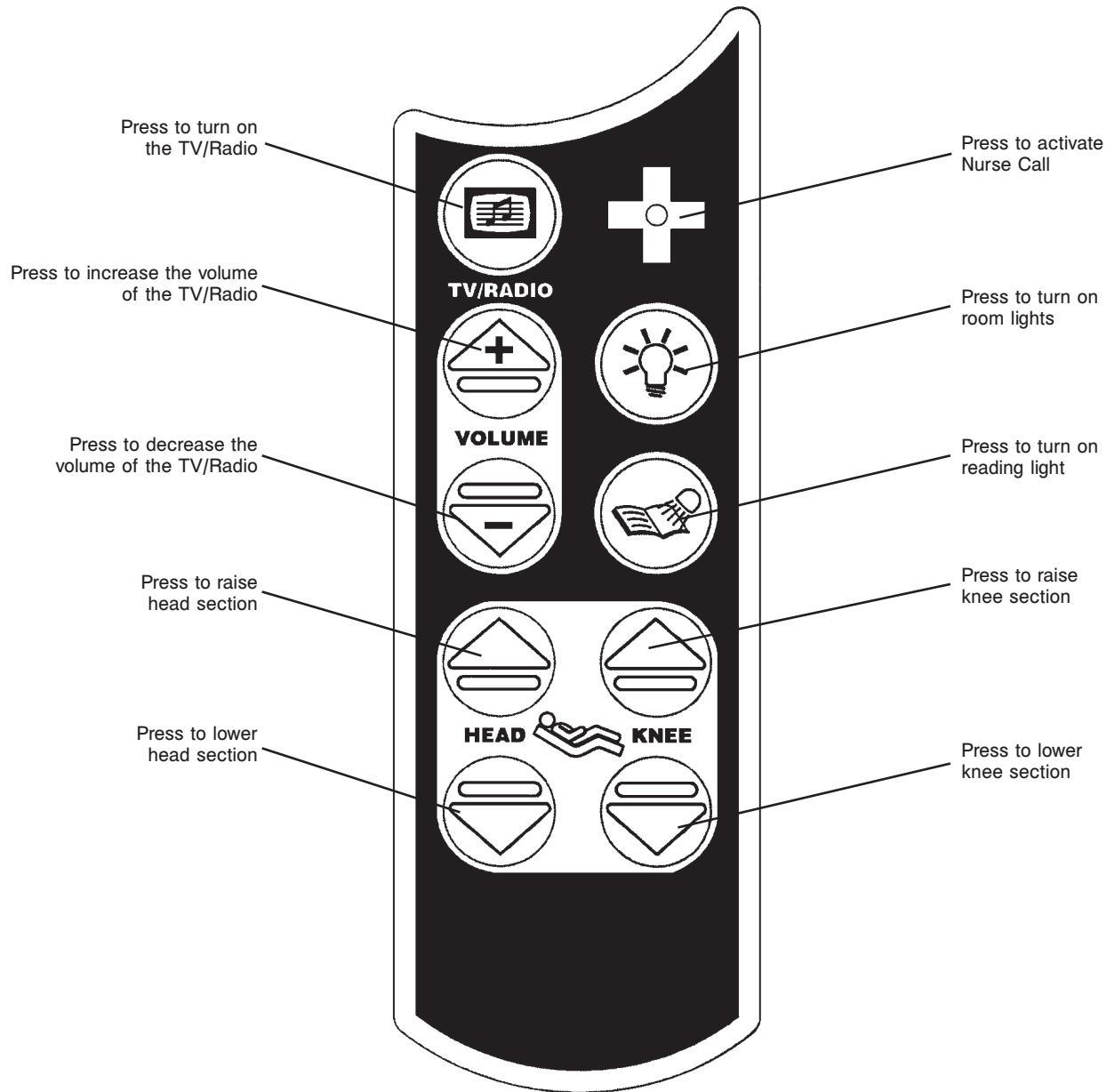
If one of the load cells is malfunctioning or overloaded, the scale monitor will read:

“Scale Sys. Error”

“Call for service”

Call a service technician.

Optional Pendant Operation



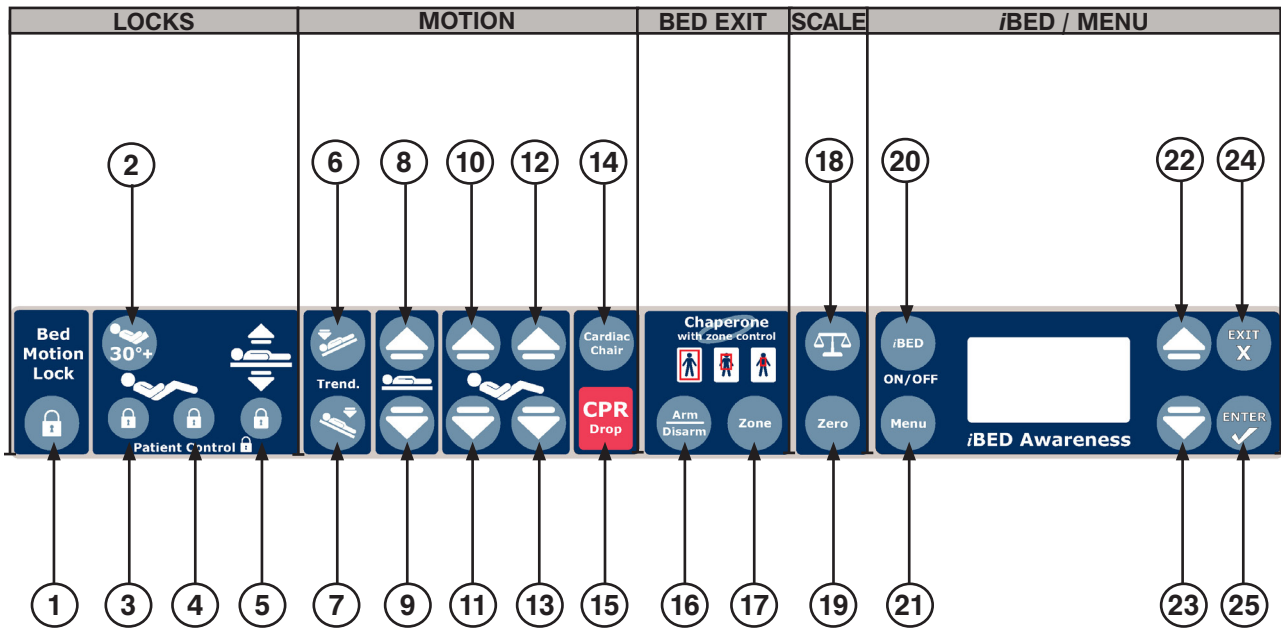
Optional iBED Awareness System Operation Guide

Intended Use

The iBED 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 iBED Awareness system 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 system is armed, the system has the ability to monitor these features when iBED Awareness system is turned “On”.

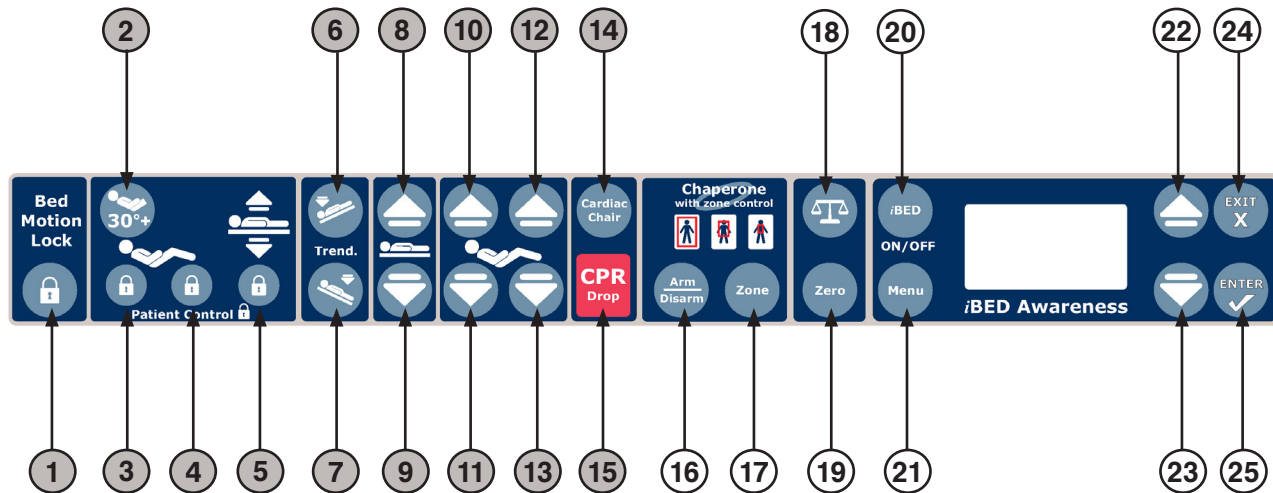
Footboard Control Panel Buttons



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

Optional iBED Awareness System Operation Guide

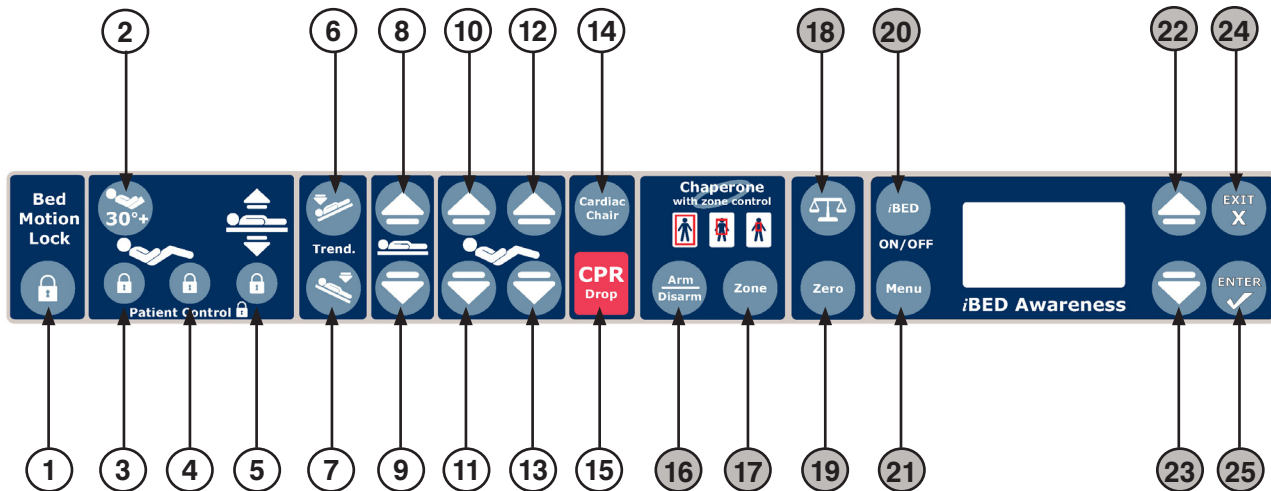
Footboard Control Panel Functions



	Button	Name	Function
LOCKS	1	Bed Motion Lock	Locks all motion on bed. The Bed Motion Lock button will illuminate when activated.
	2	Fowler 30°+ Lock	Places bed at 30° and locks Fowler below 30°. The Fowler 30+ button will illuminate when activated.
	3	Patient Fowler Lock	Locks out Fowler control at all locations (Siderail, Pendant, Headend) with the exception of the operator controls located on the Footboard. The Patient Fowler Lock will illuminate when activated.
	4	Patient Gatch Lock	Locks out Gatch control at all locations (Siderail, Pendant, Headend) with the exception of the operator controls located on the Footboard. The Patient Gatch Lock will illuminate light when activated.
	5	Patient Bed Up/Down Lock	Locks out Bed Height control at all locations (Siderail, Pendant, Headend) with the exception of the operator controls located on the footboard. The Patient Bed Up/Down Lock button will illuminate light when activated.
MOTION	6	Trendelenburg	Lowest head end and raises foot end of bed.
	7	Reverse Trendelenburg	Lowest foot end and raises head end of bed
	8	Bed up	Raises bed.
	9	Bed Down	Lowest bed.
	10	Fowler Up	Raises Fowler.
	11	Fowler Down	Lowest Fowler.
	12	Gatch Up	Raises Gatch.
	13	Gatch Down	Lowest Gatch.
	14	Cardiac Chair	When activated, the knee will raise, the Fowler will raise or lower to approximately 52° degrees and the bed will tilt to approximately -12° Reverse Trendelenburg (foot end down).
	15	CPR Drop	Activates electronic CPR function; flattens litter and puts bed in low height.

Optional iBED Awareness System Operation Guide

Footboard Control Panel Functions (Continued)



	Button	Name	Function
BED EXIT	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 "Arm/Disarm" to turn Bed Exit "Off".
	17	Zone Control	Changes the Zone.
SCALE	18	Scale	Turns Scale system ON/OFF.
	19	Zero	Zeroes Bed.
iBED/MENU	20	iBED On/Off	Turns iBED Awareness system ON/OFF.
	21	Menu	Access MENU selections.
	22	Menu Up	Scroll Up through menu.
	23	Menu Down	Scroll Down through menu.
	24	Exit X	Exits or Escapes from menu selection; also used to Save and/or Cancel operations.
	25	Enter ✓	Selects menu item; also used to Save and/or Cancel operations.

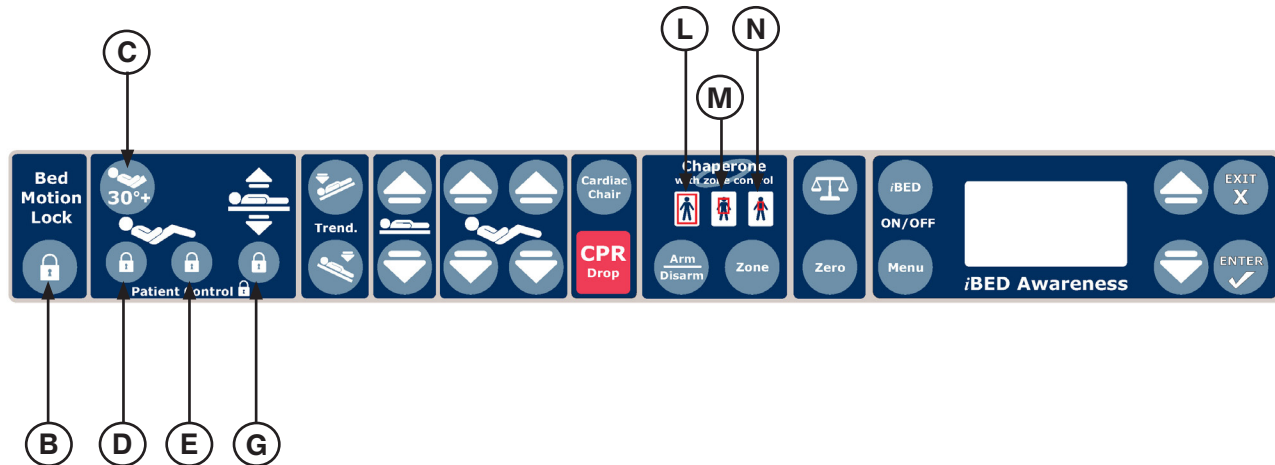
Note

iBED Awareness options populated with Chaperone Bed Exit features without Zone Control will not have button 17.

Optional iBED Awareness System Operation Guide

LED Indicators: Footboard

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



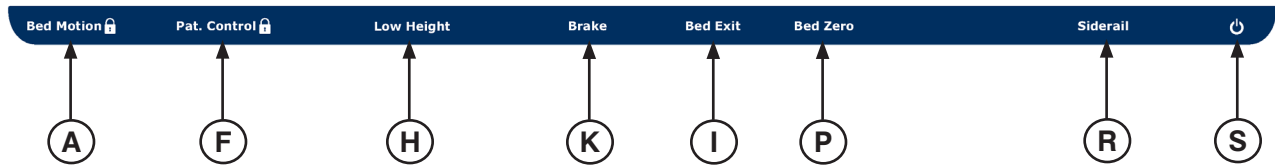
Button	Name: Function	LED Indicator
B	Bed Motion Lock LED: LED is illuminated if Bed Motion is locked; blinking if motion is attempted when lock is "On".	AMBER
C	Fowler 30+ Lock LED: LED is illuminated if Fowler 30+ is locked; blinking if locked and motion is attempted; flashing if lock condition is violated by CPR.	AMBER
D	Patient Control Fowler Lock LED: LED is illuminated if the Patient Fowler Lock is "On".	AMBER
E	Patient Control Gatch Lock LED: LED is illuminated if the Patient Gatch Lock is "On".	AMBER
G	Patient Control Bed Up/Down Lock LED: LED is illuminated if the Patient Bed Up/Down Lock is "On".	AMBER
L	Zone 1 LED: LED is illuminated when Bed Exit is "On" and Zone 1 activated.	AMBER
M	Zone 2 LED: LED is illuminated when Bed Exit is "On" and Zone 2 activated.	AMBER
N	Zone 3 LED: LED is illuminated when Bed Exit is "On" and Zone 3 activated.	AMBER

Note

iBED Awareness options populated with Chaperone Bed Exit features without Zone Control will not have items M or N.

Optional iBED Awareness System Operation Guide

LED Indicators: Dashboard



Button	Name: Function	LED Indicator
A	Bed Motion Lock LED: LED is illuminated when Bed Motion Lock is activated.	AMBER
F	Patient Control Lock LED: LED is illuminated when any of the Patient Control (Fowler, Gatch, Bed Up/Down) Lock buttons are activated.	AMBER
H	Low Height LED: LED is illuminated when bed is in low height. The LED will blink if the iBED Awareness system is “On”, the low height is being monitored, and the bed is not in low height.	AMBER
I	Bed Exit LED: LED is illuminated when the Bed Exit is armed. The LED will blink if the Bed Exit is turned Off while the iBED Awareness system is turned On.	AMBER
K	Brake LED: LED is illuminated when the brake is set, and will blink if the brake is not set.	AMBER
P	Bed Zero LED: LED is illuminated if Bed Zero is successful.	AMBER
R	Siderail LED: LED is illuminated if iBED Awareness system is “On”. The LED will blink when siderail state has changed.	AMBER
S	Power LED: LED is illuminated when bed has power.	GREEN

Optional iBED Awareness System Operation Guide

Display Screens

There are 5 types of display screens listed by priority below with one being the highest.

Types

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

Power Up

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



Figure 1

Status Screen

- The status screen is the default 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.
- Figure 2 shows an example of the "Status" Screen:



Figure 2

Message Screen

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

Optional iBED Awareness System Operation Guide

Display Screens (Continued)

Main Menu Screen

- The Main Menu contains selectable product features to the caregiver.
- There are eight features listed in the main menu as ordered below:
 1. Weight Log (Weight Log is the Default Selection)
 2. Gain/Loss
 3. Change Equip. (Change Equipment)
 4. Change Ptnt. Wgt. (Change Patient Weight)
 5. Scale Units (Change Scale Units)
 6. Backlight (Backlighting)
 7. Advanced Options
 8. Exit Menu
- To select a feature, press the “Menu Up” and “Menu Down” button to scroll to the desired feature and press the “Enter/✓” button.

1. Weight Log

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



Figure 3

2. Gain/Loss

- This feature provides information to the caregiver 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 Enable**” 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.

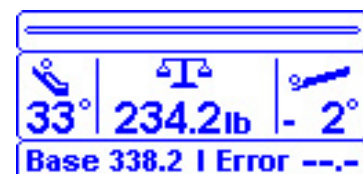


Figure 6

Optional iBED Awareness System Operation Guide

Display Screens (Continued)

Main 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.
- 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/X" 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/X" is pressed, **"Operation Canceled"** message will display.
- Figure 9 will be displayed when the system completes the change equipment adjustment.



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 used to Change patient Weight using arrow button;
 - Display the new patient weight;
 - Press "Enter/✓" when done;
 - Press "Exit/X" to cancel operation.
- If "Enter/✓" is pressed, the message **"Do Not Touch Bed"** will flash on the display.
- If "Exit/X" is pressed, **"Patient Weight Changed"** message will display.



Figure 10

Optional iBED Awareness System Operation Guide

Display Screens (Continued)

Main 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 “Pounds [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”.

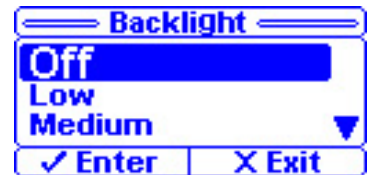


Figure 12

7. Advanced Options

The advanced menu items include:

1. Choose Exit Alarm
2. Brake Alarm
3. Bed Status Alarm
4. Status to N/C

Choose Exit Alarm

The caregiver 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.

Optional *i*BED Awareness System Operation Guide

Display Screens (Continued)

Main Menu / Advanced Options (Continued)

Brake Alarm

The caregiver can enable or disable a brake alarm feature. If the brakes are not engaged and 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.

Bed Status (*i*BED Awareness Audible Alarm)

The caregiver can enable or disable an audible alarm for *i*BED Awareness alert states.

To Enable/Disable Alarm:

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

Status Nurse Call (*i*Bed Awareness Priority Signal)

The caregiver can enable or disable a priority signal alarm through the Nurse Call system based on an *i*BED 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.

Optional iBED Awareness System Operation Guide

iBED Awareness Functionality

- The iBED Awareness system 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 Bed Exit is armed, the system will also monitor these features when iBED Awareness is turned “On”.
- In the event of a power loss, the iBED Awareness system will operate in the last known condition when power is restored.
- iBED Awareness system 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 side rail sensors and the scale system. For details on error codes, refer to the Maintenance Manual.

iBED Awareness Status Light Bar

A light bar, located centrally on the front of the footboard, will illuminate and indicate the state of the iBED Awareness system.

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 Side LED's

LEDs, located on each side of the bed near the foot end, will provide an indication of an alert state.

Features

- If an alert state on the iBED Awareness system is triggered, the side LEDs will change to the alert state and blink AMBER.
- During an alert state, an AMBER dashboard LED associated with the alert will blink on the footboard and the display screen will show details of the alert state.

iBED Awareness Button

The iBED 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.

Turning on the iBED Awareness system

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

Optional iBED Awareness System 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 Figure 13 message and Figure 14 message.

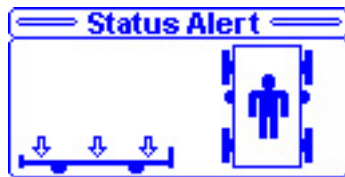


Figure 13



Figure 14

Brakes

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



Figure 15



Figure 16

Siderails

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



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.

Optional iBED Awareness System 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 Figure 19 message and Figure 20 message.



Figure 19



Figure 20

Additional Alarm Conditions

- If an audible alarm is required, the caregiver can set the bed status alarm to "On" through the Advanced Options Menu in the Main Menu.
- If the caregiver would like to set the bed status 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".

iBED Awareness Locks

Fowler 30°+ Lock button

- The Fowler 30°+ Lock is a dual purpose button. It positions the bed's fowler 30° to the horizontal and locks any Fowler motion below 30°.
- When the Fowler 30°+ button is pressed, the bed will reposition only if it is below 30° and Figure 21 will be displayed.
- Once the bed reaches its final position (Trend Angle = 0°, Fowler Angle = 30°), Figure 22 will be displayed.
- If the button is not held until the final position is reached Figure 23 will be displayed.
- If bed is put in CPR position manually or by pressing the CPR button, Figure 24 will be displayed.



Figure 21



Figure 22

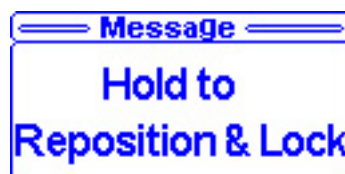


Figure 23

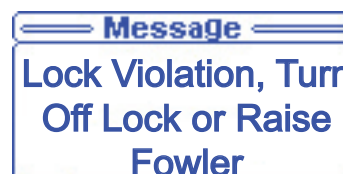


Figure 24

Optional iBED Awareness System Operation Guide

iBED Awareness Locks (Continued)

Bed Motion Lock

- If Bed Motion lock button is pressed Figure 25 will be displayed.
- If Bed Motion lock button is pressed when already “on” then Figure 26 will be displayed.



Figure 25



Figure 26

- If Motion is attempted when lock is “On”, Figure 27 and 28 are displayed.

Note: CPR Drop button overrides locks.



Figure 27



Figure 28

Patient Control Locks

- If the Patient Control lock button is pressed Figure 25 as shown above will be displayed.
- If the Patient Control lock button is pressed when already “on” then Figure 26 as shown above will be displayed.

Preventative Maintenance

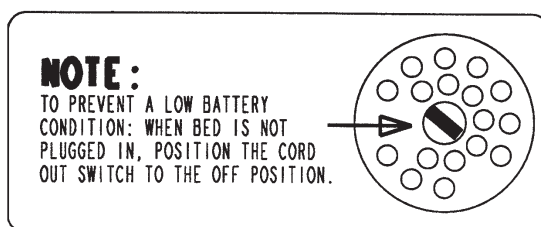
WARNING

Service only by qualified personnel. Refer to the maintenance manual.

Verify the power cord is unplugged and the battery power switch (Epic II® PLUS option) is turned to the off position before servicing.

Nurse Call Battery

- 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 back-up battery will be significantly reduced.
- If the power light (located on the foot board) is flashing, the Nurse Call battery needs to be replaced. 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 replace the battery. Properly dispose of the old battery in accordance with local regulations.



Main Bed Power Circuit Breaker

In the event of a loss of bed functions, unplug the bed power cord from the wall socket and reset the circuit breaker(s) located under the bed on the patient's left side. Plug the bed into a properly grounded wall receptacle and follow the setup procedures listed on [page 11](#).

Battery Charger Circuit Breaker (Epic II® PLUS Option)

If the battery charger circuit breaker(s) located under the litter on the patient's head end, left side are tripped, refer to the troubleshooting section of the Maintenance Manual.

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.
- _____ Engage brake pedal and push on the frame to ensure all casters lock securely.
- _____ Inspect the brake assembly (Brake Cam, Brake Plate Body, 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 are functioning properly.
- _____ Locking steer caster engages and disengages properly - optional equipment.
- _____ Siderails move, latch and stow properly.
- _____ All functions on siderails working properly (including LED's).
- _____ Head End Control Panel working properly (including LED) - optional equipment.
- _____ Confirm battery powered functionality - optional equipment.
- _____ CPR release working properly.
- _____ Optional foot prop intact and working properly.
- _____ I.V. pole working properly.
- _____ Foley bag hooks intact.
- _____ Chart rack intact and working properly.
- _____ CPR board not cracked or damaged and stores properly.
- _____ No cracks or splits in head and footboards.
- _____ All functions on footboard working properly (including LED's).
- _____ No rips or cracks in mattress cover.
- _____ Scale and Bed Exit system calibrated properly - optional equipment.
- _____ Motion interrupt switches working properly.
- _____ Power cord not frayed.
- _____ No cables worn or pinched.
- _____ All electrical connections tight.
- _____ All grounds secure to the frame.
- _____ Ground impedance not more than 100 mΩ.
- _____ Current leakage not more than 300 μA.
- _____ Apply grease to the bed grease points including the fowler clutch and brake cam.
- _____ Ensure ground chains are clean, intact, and have at least two links touching the floor.
- _____ "Brake" LED on the footboard (iBED Awareness option only) blinks when brakes are not engaged.
- _____ Siderail switches working properly (iBED Awareness option).
- _____ Bed Status Light Bar LEDs working properly (iBED Awareness option).
- _____ Bed Status Side Indicator LEDs working properly (iBED Awareness option).
- _____ Inspect footboard control labeling for signs of degradation (iBED Awareness option).
- _____ Optional accessories intact and working properly.
- _____ Check labels, as specified in the Operations and Maintenance manuals to ensure legibility, proper adherence and integrity.

Bed Serial Number:		

Completed by: _____

Date: _____

[Return To Table of Contents](#)

Cleaning

Hand wash all surfaces of the bed with warm water and mild detergent. DRY THOROUGHLY. Do not steam clean or hose off the Epic II Bed. 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.

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.

Virex® TB is not an approved cleaning agent for this product. Do not use for bed cleaning.

Warranty

Limited Warranty

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser the 2030 Epic II® Critical Care Bed to be free from defects in material and workmanship for a period of One (1) years 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.

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, Canada 1-888-233-6888.

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

Service Contract Programs

Stryker offers the following service contract programs:

Service Agreement Options *	Gold	Silver	Parts	Labor	PM
Annually scheduled preventative maintenance	X				X
All parts	X	X	X		
All labor and travel	X	X		X	
Unlimited emergency service calls	X	X		X	
Priority one contact: two hour phone response	X	X	X	X	
Most repairs completed within 3 days	X	X		X	
JCAHO documentation	X	X		X	X
On-site record of PM & emergency service	X				X
Factory-trained Stryker service technician	X	X		X	X
Stryker authorized parts used	X	X	X	X	X
Service during regular business hours (8–5)	X	X	X	X	X

* Does not include maintenance due to abuse or for any disposable items. Stryker reserves the right to change options without notice.

Stryker Medical also offers personalized service contracts.
Pricing is determined by age, location, model and condition of product.

**For more information on our service contracts,
please call your local representative.**

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.

EMC Information

EPIC II CRITICAL CARE BED

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
The Epic II Critical Care Bed is suitable for use in the electromagnetic environment specified below. The customer or the user of the Epic II Critical Care Bed 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 IEC61000-4-4	± 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	$<5\%U_t$ (95% dip in U_t) for 0,5 cycle $40\%U_t$ (60% dip in U_t) for 5 cycles $70\%U_t$ (30% dip in U_t) for 25 cycles. $<5\% U_t$ ($>95\%$ dip in U_t) for 5 sec.	$<5\%U_t$ (95% dip in U_t) for 0,5 cycle $40\%U_t$ (60% dip in U_t) for 5 cycles $70\%U_t$ (30% dip in U_t) for 25 cycles. $<5\% U_t$ ($>95\%$ dip in U_t) for 5 sec.	Main power quality should be that of a typical commercial and/or hospital environment. If the user of the Epic II Critical Care Bed 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

EPIC II CRITICAL CARE BED (CONTINUED)

Recommended separation distances between portable and mobile RF communications equipment and the Epic II Critical Care Bed.			
The Epic II Critical Care Bed is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Epic II Critical Care Bed can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Epic II Critical Care Bed 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	0,12	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

EPIC II CRITICAL CARE BED (CONTINUED)

The Epic II Critical Care Bed is suited for use in the electromagnetic environment specified below. The customer or the user of the Epic II Critical Care Bed should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2,5 GHz</p>	<p>3 Vrms</p> <p>3 V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Epic II Critical Care Bed, including cables, than the recommended separation distance calculated from the equation appropriate for the frequency of the transmitter.</p> <p>Recommended Separation Distance</p> $d=1,2 \sqrt{P}$ $d=1,2 \sqrt{P}$ <p>80 MHz to 800 MHz</p> $d=2,3 \sqrt{P}$ <p>800 MHz to 2,5 GHz</p> <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation diistance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,^a should be less than the compliance level in each frequesncy range.^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
<p>Note 1 At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p>Note 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			
<p>^aField 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 Epic II Critical Care Bed is used exceeds the applicable RF compliance level above, the Epic II Critical Care Bed should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Epic II Critical Care Bed.</p> <p>^bOver the frequency range 150 kHz to 80 MHz, field strengths are less than 3 V/m.</p>			

[Return To Table of Contents](#)

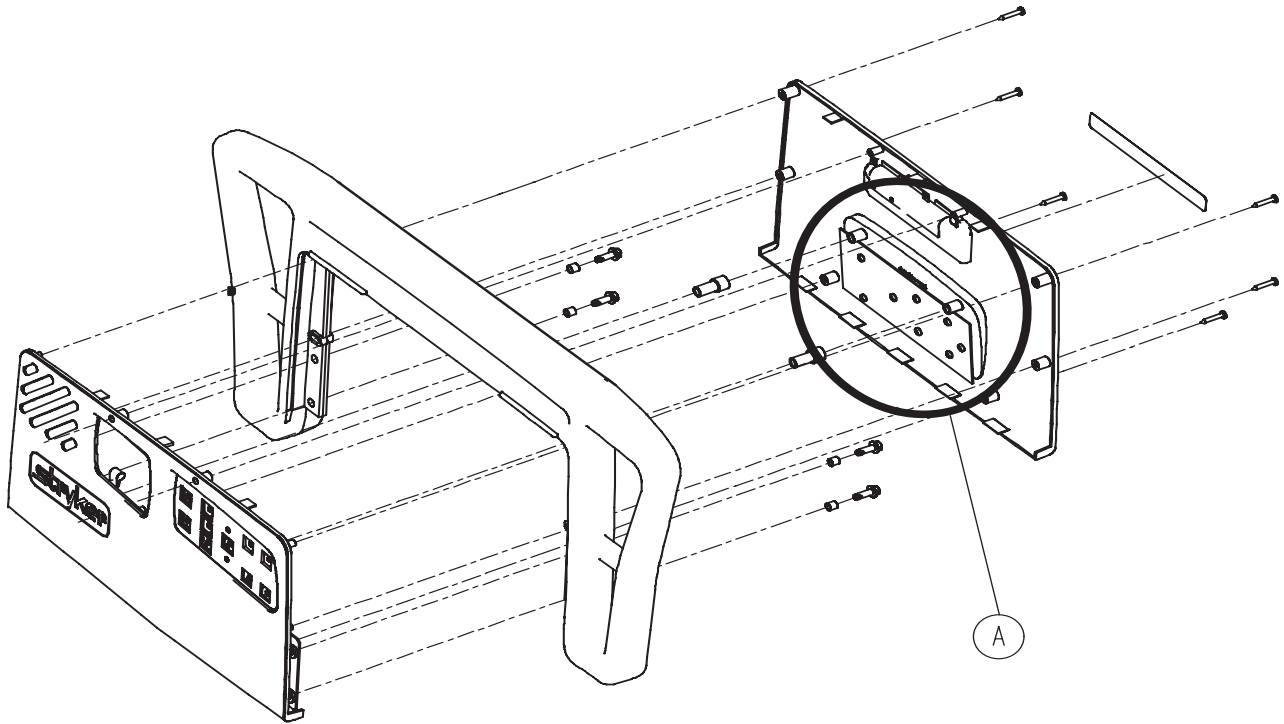
EMC Information

EPIC II CRITICAL CARE BED (CONTINUED)

Guidance and Manufacturer's declaration - Electromagnetic Emissions		
The Epic II Critical Care Bed is intended for use in an electromagnetic environment specified below. The customer or the user of the Epic II Critical Care Bed should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environment
RF Emissions CISPR 11	Group 1	The Epic II Critical Care Bed 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 Epic II Critical Care Bed 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	

Recycling Passport

Assembly Part Number: 2032-402-105 & 2032-402-205 (Reference Only)

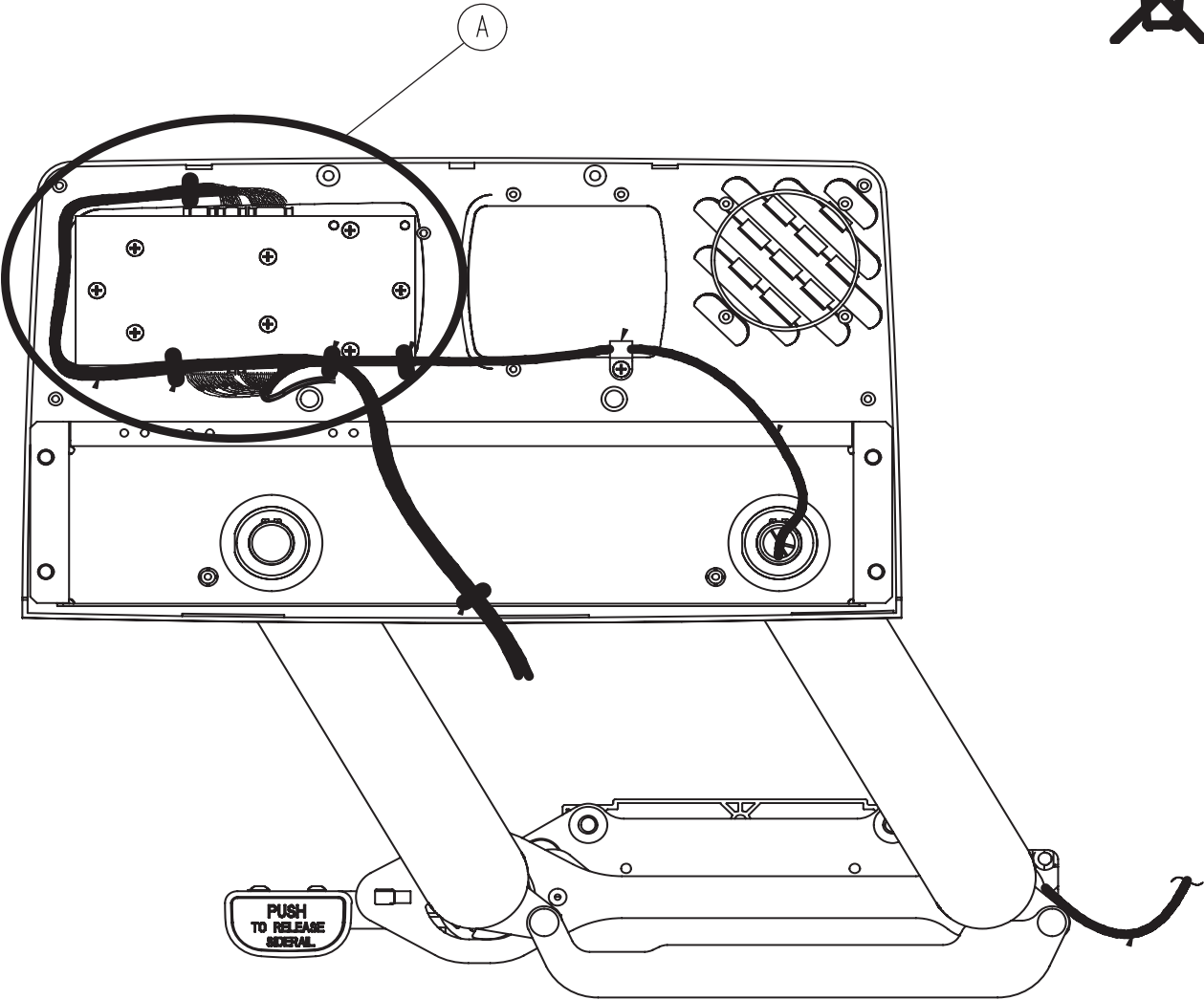


Recycling Passport - 2032-402-105 & 2032-402-205 (Reference Only)

Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		2 per bed

Recycling Passport

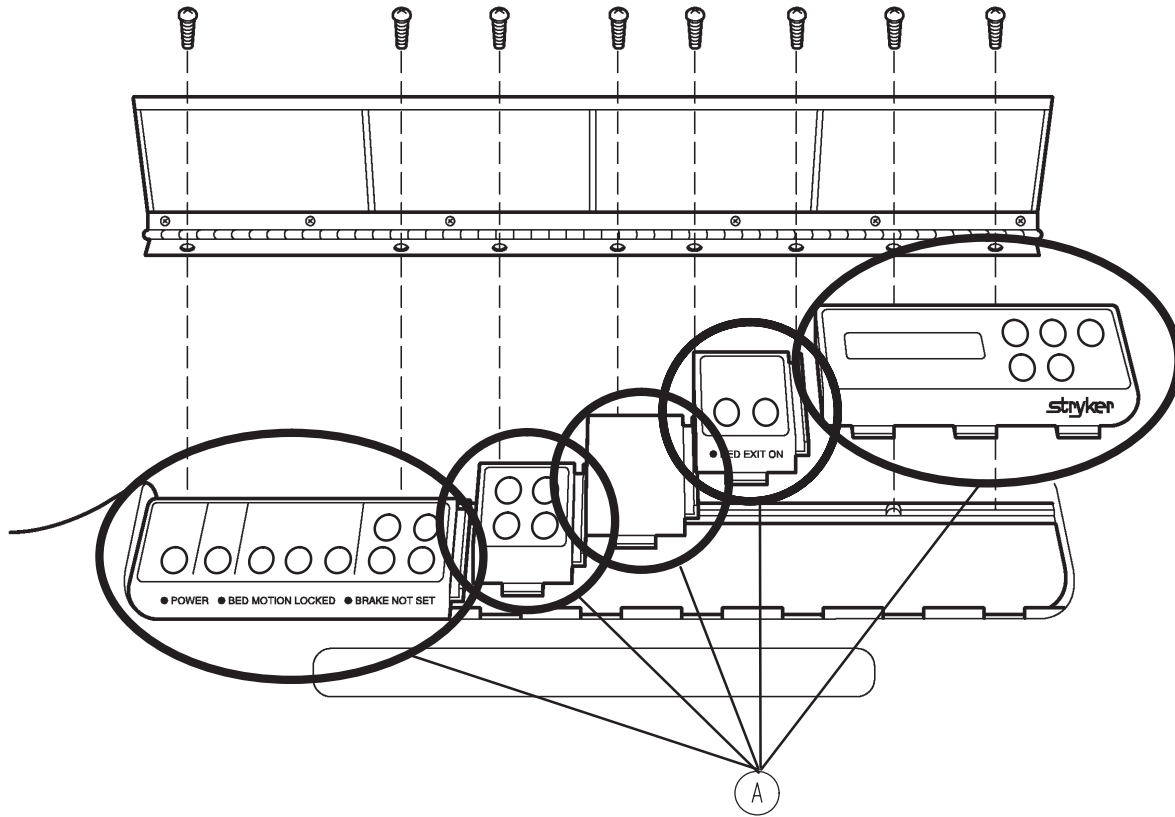
Assembly Part Number: 2032-402-105 & 2032-402-205 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		2 per bed

Recycling Passport

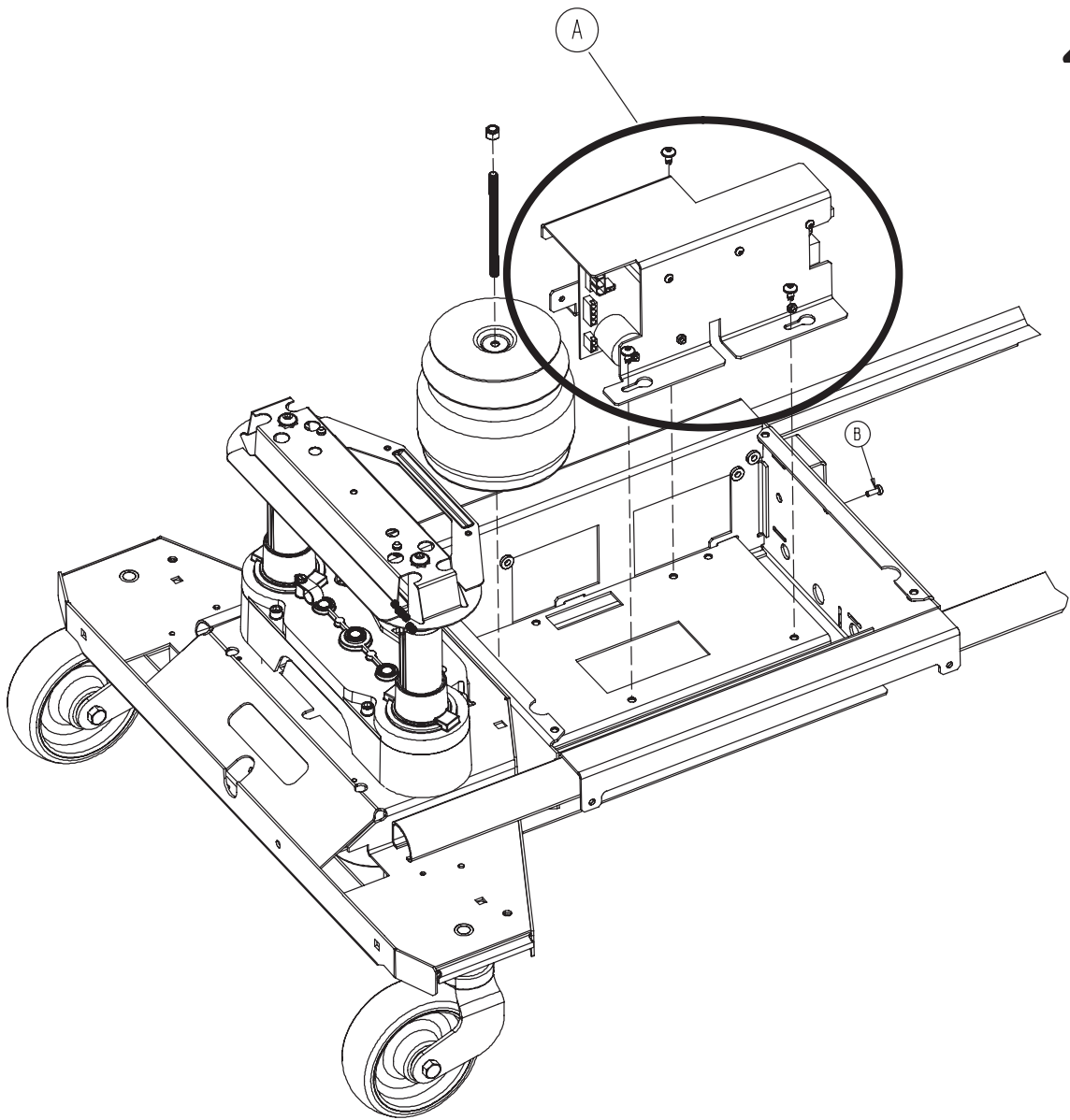
Footboard Module



Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		5

Recycling Passport

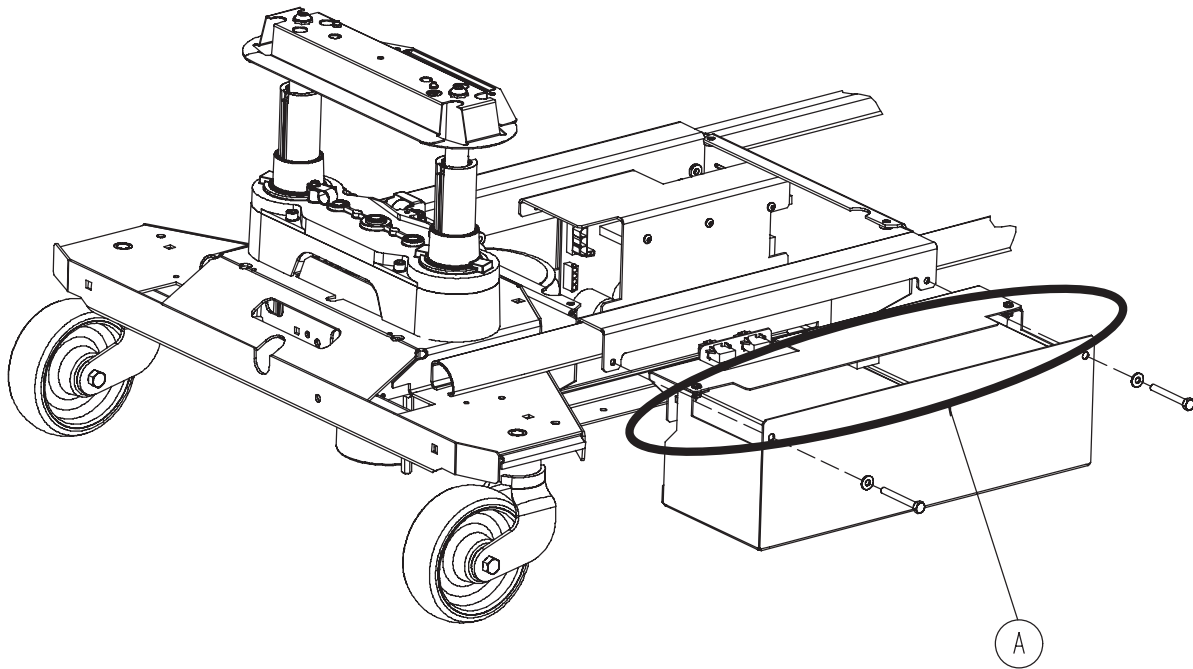
Assembly Part Number: 2030-201-210 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		1

Recycling Passport

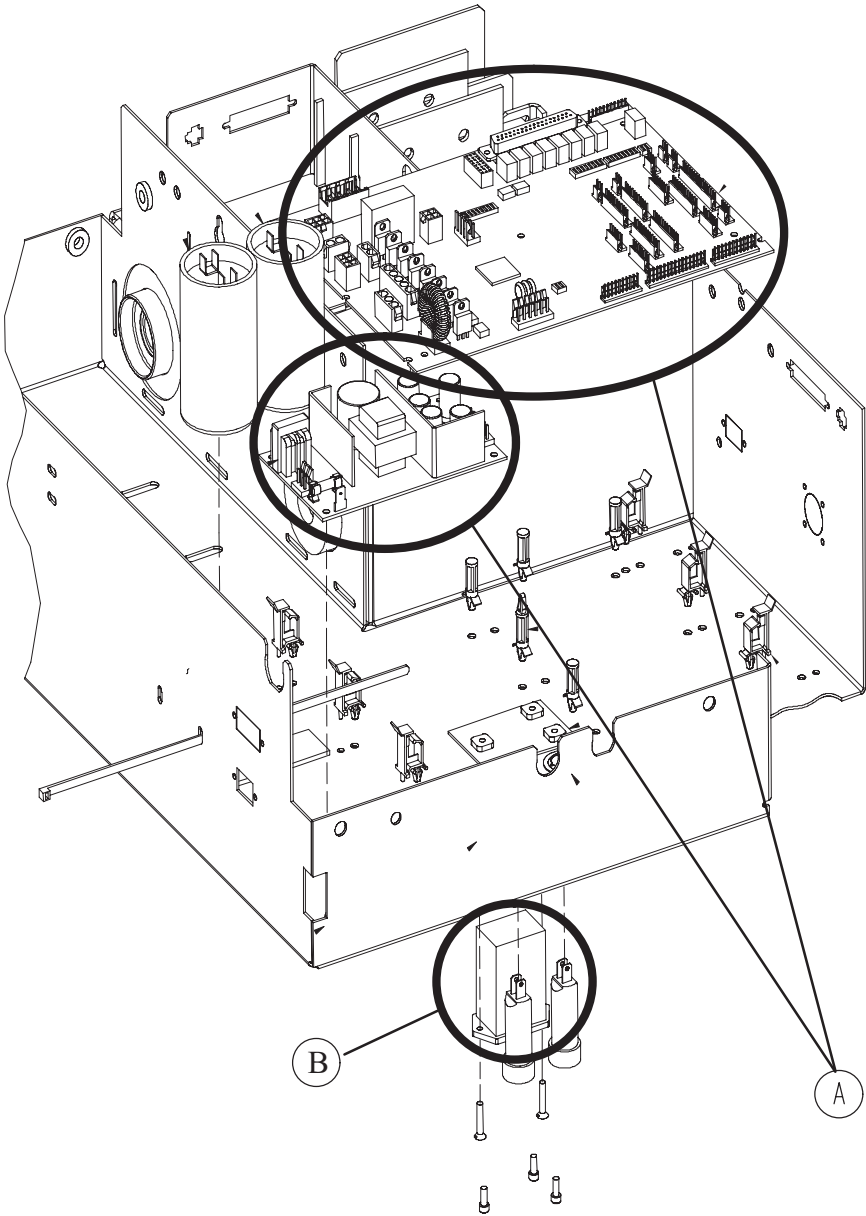
Assembly Part Number: 2030-201-210 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Batteries		2

Recycling Passport

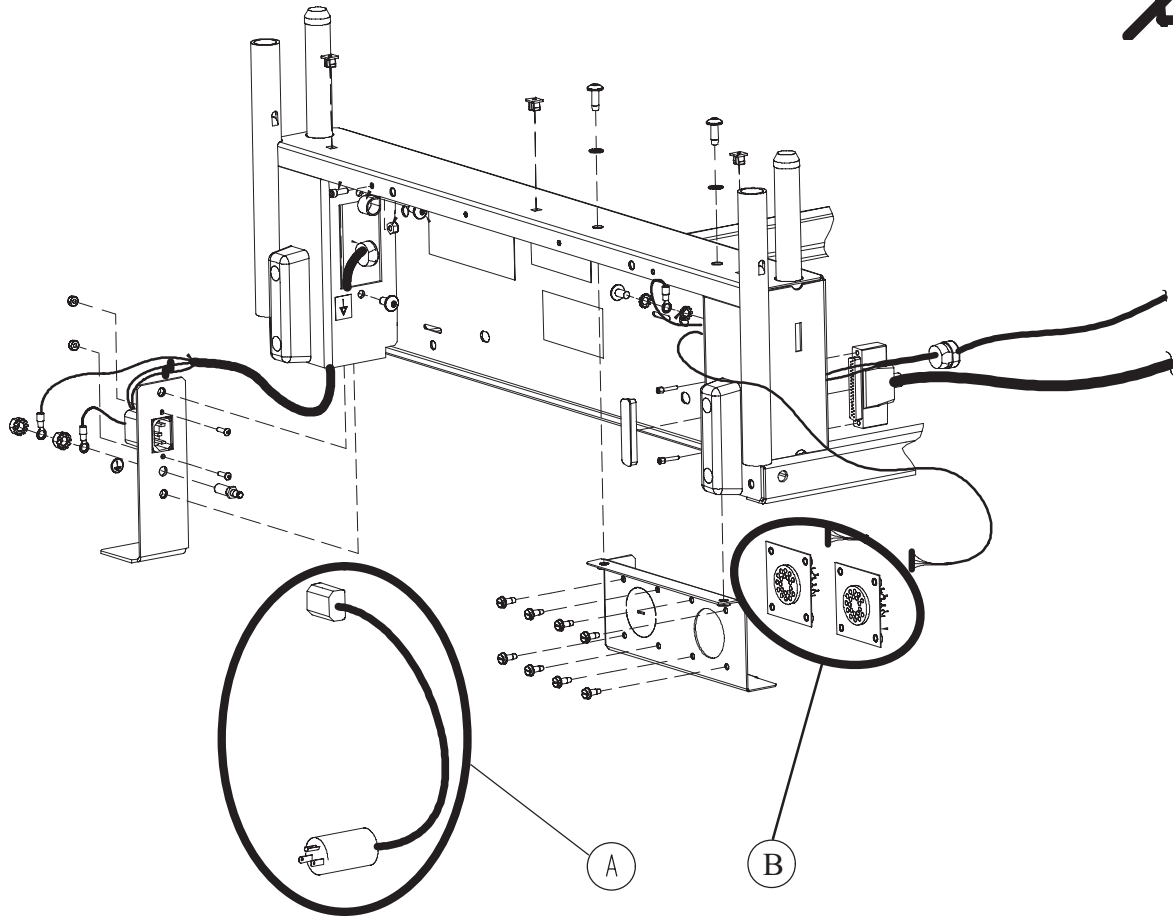
Assembly Part Number: 2032-231-010 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		2
B	9V Battery		1

Recycling Passport

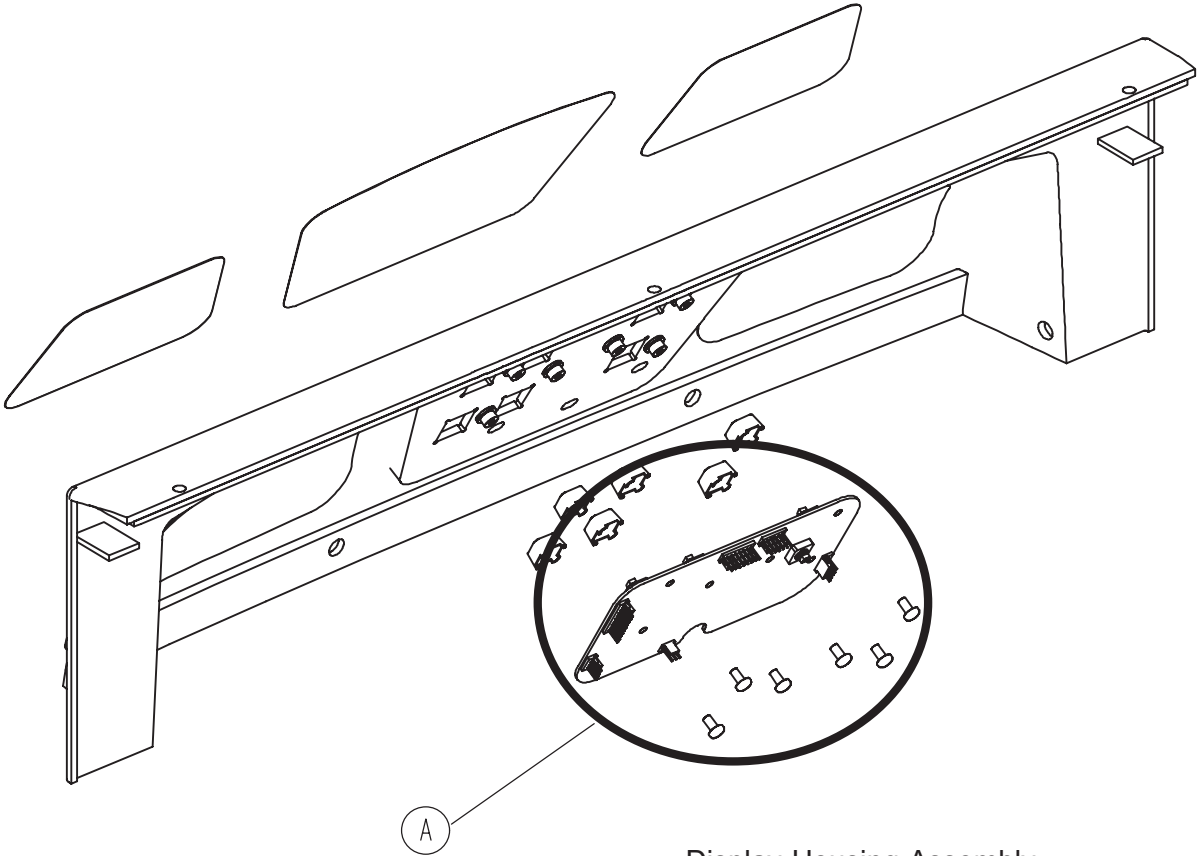
Assembly Part Number: 2032-231-010 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Power Cord		1
B	Printed Circuit Board		2

Recycling Passport

Assembly Part Number: 2030-031-210 (Reference Only)

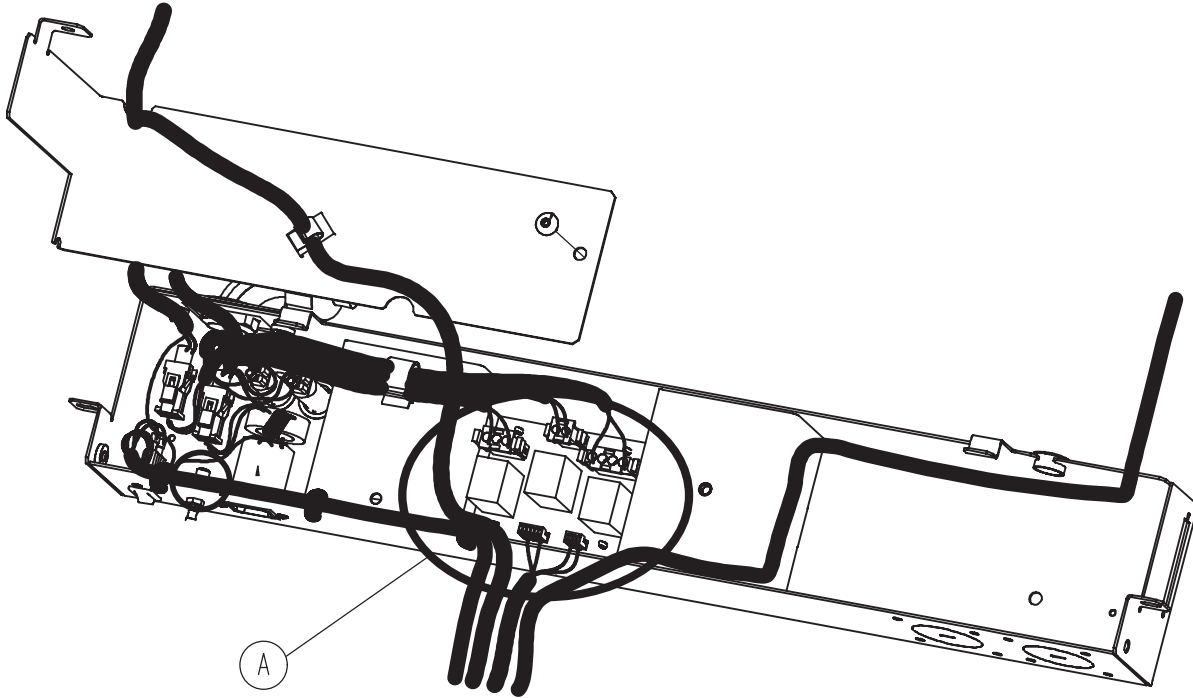


Display Housing Assembly

Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		1

Recycling Passport

Assembly Part Number: 2030-031-210 (Reference Only)



Item	Recycling/Material Code	Important Information	Qty
A	Printed Circuit Board		1



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