



User-Service Manual

Joerns® Bed Frames

UltraCare® XT

To avoid injury, read user's manual before using.



Important Precautions

- ⚠ **Warning: Possible Injury Or Death.** This product is intended for use as an adjustable mattress support platform that contours for resident/patient comfort with adjustable height for resident/patient and caregiver convenience. Use of this product in a manner for which it was not designed could result in unproven or unsafe configuration, potentially resulting in injury or death.
- ⚠ **Warning: Possible Injury.** Before adjusting bed, ensure that area under and near bed perimeter is free of people and obstructions. Failure to do so could result in injury.
- ⚠ **Warning: Possible Injury.** Keep bed in lowest position except when providing care (bathing, clothing changes, etc.). Bed should be at lowest convenient height for entry or exit. Failure to do so could result in injury.
- ⚠ **Warning: Possible Injury Or Death.** Resident/patients may become entangled in pendant cord. Resident/patients with reduced mental acuity should not be allowed access to pendant. Unsupervised use of pendant could result in injury or death.
- ⚠ **Warning: Possible Injury Or Death.** Bed safe working load is 650 pounds. This is total weight counting resident/patient, mattress, bedding accessories and any other equipment or persons likely to be on bed. Do not exceed the safe working load. Exceeding the safe working load could result in property damage, injury or death.
- ⚠ **Warning: Possible Injury Or Death.** Do not roll bed over abrupt thresholds with resident/patient in bed. Bed is not designed for transporting resident/patient. Transporting resident/patient in the bed could result in injury or death.
- ⚠ **Warning: Possible Fire Hazard.** Use nasal mask or ½ bed tent oxygen administering equipment. Oxygen tent should not extend below mattress deck. Pendant should not be placed in an oxygen-enriched environment such as an oxygen tent. Use of electrical circuits in an oxygen-enriched environment could result in a fire hazard.
- ⚠ **Warning: Possible Shock Hazard.** Unplug power cord from wall outlet before performing any maintenance, cleaning or service to the bed. Resident should be removed from bed prior to any service being performed on the equipment. Failure to do so could result in injury or death. **Note:** In case of unexpected movement, unplug bed from any outlet.
- ⚠ **Warning: Possible Shock Hazard.** Position the bed in a manner that allows ease of access to the power cord and wall outlet. Injury may result from improper routing of the power cord. Always follow the proper factory-installed routing configuration. Failure to do so could result in injury or death.
- ⚠ **Warning: Possible Injury Or Death.** Use a mattress that is properly sized to fit mattress support platform, which will remain centered on mattress support platform relative to State and Federal guidelines. Joerns Healthcare recommends the use of a mattress with minimum dimensions of 35 inches wide and 6 inches deep. Length should match mattress support platform. Use of an improperly fitted mattress could result in injury or death. If using Comfort Extension, see Comfort Extension manual for proper mattress size.

⚠ **Warning: Possible Injury Or Death.** If a resident/patient's mental or physical condition could lead to resident/patient entrapment, the mattress support platform should be left in the flat position when unattended. Failure to do so could result in injury or death.

⚠ **Warning:** An optimal bed system assessment should be conducted on each resident by a qualified clinician or medical provider to ensure maximum safety of the resident. The assessment should be conducted within the context of, and in compliance with, the state and federal guidelines related to the use of restraints and bed system entrapment guidance, including the *Clinical Guidance for the Assessment and Implementation of Side Rails* published by the Hospital Bed Safety Workgroup of the U.S. Food and Drug Administration. Further information can be obtained at the following web address: <http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/GeneralHospitalDevicesandSupplies/HospitalBeds/default.htm>.

Important Note: When using the mattress system, always ensure that the resident/patient is positioned properly within the confines of the bed. Do not let any extremities protrude over the side or between the bed assist devices when the mattress is being used.

⚠ **Warning: Possible Injury Or Death.** Use a properly sized mattress in order to minimize the gap between the side of mattress and assist device. This gap must be small enough to prevent resident/patient from getting his/her head or neck caught in this location. Make sure that raising or lowering bed, or contouring the sleep surface, does not create any hazardous gaps. Excessive gaps may result in injury or death.

⚠ **Warning: Possible Injury Or Death.** Locate mounting brackets for assist devices strictly according to instructions. Gap between head/foot panel and assist device must be small enough or large enough to prevent resident/patient from getting his/her head or neck caught in this location (see specific Assist Device Installation Instructions for more information). If multiple assist devices are used, position each so that gap between them is large enough for trunk and hips to pass through easily. Make sure raising or lowering bed, or contouring sleep surface does not create any hazardous gaps. Failure to do so could result in injury or death. **Important Note:** Powered air mattress surfaces may pose a risk of entrapment. Prior to use, ensure the therapeutic benefits outweigh the risk of entrapment.

⚠ **Warning: Possible Injury Or Death.** Do not use an assist device if any openings within assist device body allow resident/patient to get his/her head or neck lodged within these openings. Use of assist devices with large openings may result in injury or death.

⚠ **Warning: Possible Injury Or Death.** Do not use any Joerns® assist device until you verify it is locked in place. Failure to lock assist devices may result in injury or death.

⚠ **Warning: Possible Injury Or Death.** Do not use any replacement parts not manufactured, marketed or provided by Joerns Healthcare on any Joerns bed. Use of unapproved replacement parts may result in injury or death.

- ⚠ **Warning: Possible Injury Or Death.** If using accessories not manufactured, marketed or provided by Joerns Healthcare for Joerns beds, consult with the manufacturer for compatibility and limitations prior to use. Failure to do so may result in injury or death.
- ⚠ **Warning: Possible Shock Hazard.** If the bed power cord has a hospital-grade, 3-prong grounding plug, grounding reliability can only be achieved when equipment is connected to an equivalent receptacle marked hospital-grade.
- ⚠ **Warning: Possible Injury.** Sitting on or sliding over the mattress side stop can cause skin injury if the bed mattress compresses to less than 1.5 inches under user's weight.
- ⚠ **Warning: Possible Injury.** Risk of entanglement or injury may occur if mattress used with mattress side stop does not fill the entire width between stops or which compresses to less than 1.5 inches under user's weight.
- ⚠ **Warning: Possible Injury or Death.** Floor locks increase bed stability and resident safety. Make sure the bed is in a locked position with respect to the floor by ensuring the casters are off the floor or if equipped, the UltraLock® is in the locked position before attempting any resident transfers. Failure to do so could result in injury or death.
- ⚠ **Warning: Possible Injury.** Use caution when activating the UltraLock function. This feature was designed to be activated by your foot. Using your hand to activate the UltraLock system could result in injury.
- ⚠ **Caution:** In the absence of line voltage, all bed adjustments can be achieved via an externally available backup battery (Joerns P/N N111).
- ⚠ **Warning: Possible Injury or Death.** NEVER permit more than (1) person in/on the bed at any time. NEVER exceed the weight capacity of this bed. The weight capacity of this bed is 650 lbs (295 kg) including accessories and options (not all accessories and options may be used at the same time). Subtract resident's weight from beds safe working load (SWL) to determine allowable weight for mattress, bed panels, accessories, and optional equipment. See Accessories Section for accessory weights. See product ID label for your specific bed models SWL.
- ⚠ **Caution:** Radio transmitting equipment, cellular phones, or similar electronic devices, used in proximity of bed, may affect bed performance.
- ⚠ **Caution:** Particular precaution must be considered during exposure to strong emission sources such as High Frequency surgical equipment and similar devices. Do not route High Frequency cables on or near device. If in doubt, contact a qualified technician.

Note: Electromagnetic disturbances may contribute to the improper operation of medical devices. In the case of a bed, it may affect the performance of the bed movement when a function is selected. Do not place the bed in a location that is known to have high electromagnetic fields.
- ⚠ **Warning:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

- ⚠ **Warning:** Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- ⚠ **Warning:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the bed, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Note: The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.
- ⚠ **Caution:** This device complies with EMC requirements of IEC 60601-1-2. Radio transmitting equipment, cellular phones or similar electronic devices, used in proximity of bed, may affect bed performance.
- ⚠ **Caution:** The Joerns UltraCare® XT is intended for use within institutional healthcare environments 2, 3 and 5 (ie: skilled nursing, transitional care, rehabilitational care, assisted living). Joerns Healthcare recommends compliance to the regulations and guidelines specified to your locality.

Joerns assist devices are designed to be used with specific Joerns bed frames. Once mounted on the appropriate bed frame, assist devices become an integral part of the Joerns bed system. As such, these mounted assist devices, meet the IEC 60601-2-52 Bed Standard, within normal use conditions, of the appropriate bed to which they are mounted.

When assessing the risk for entrapment, you need to consider your bed, mattress, head/foot panels, assist devices and other accessories, as a system. It is also extremely important to review the resident/patient's physical and mental condition and initiate an appropriate individual care plan to address entrapment risk. All Joerns bed systems are evaluated for compliance to the FDA/CDRH "*Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment.*"

Assemble, install, utilize and maintain Joerns Assist Devices as described in their accompanying Joerns User/ Service Manual, which also lists the bed type or model with which these devices may be used.

This product is only one part of your healthcare bed system. Proper combinations of mattress, head/foot panels and assist devices are needed to minimize the risk of entrapment. For more information, call Customer Care, 800-826-0270.

There are no known contraindications for this device.

Table of Contents

Important Precautions	2
Entrapment Information	4
Features and Specifications	5
Assembly	6
Operation	8
Servicing	11
Troubleshooting	13
Maintenance	14
Preventative Maintenance	14
End of Life Disposal	14
Cleaning	14
Accessories	15
Appendix A	19
Warranty	22

Save These Instructions

Thank you and congratulations for choosing Joerns UltraCare® XT bed. Joerns beds are developed with safety, comfort and convenience of both residents/patients and caregivers in mind.

Advanced ergonomic design will provide years of reliable service in your facility.

Bed System Entrapment Information

In April 1999, the U.S. Food and Drug Administration (FDA) in partnership with representatives from the hospital and post-acute bed industry, including Joerns Healthcare, national healthcare organizations, resident advocacy groups, and other federal agencies formed the Hospital Bed Safety Workgroup (HBSW). The workgroup's goal is to improve the safety of bed frames for patients and residents in all health care settings who are most vulnerable to the risk of entrapment. The efforts of the FDA and the HBSW culminated in the FDA's release of recommended guidelines intended to reduce the risk of entrapment, including dimensional limits for critical gaps and spaces between bed system components and clinical guidance for assessment and implementation of bed side rails in various health care settings.

Entrapment zones involve the relationship of bed components often directly assembled by the healthcare facility rather than the manufacturer. Therefore, compliance is the responsibility of the facility.

As the leading manufacturer of long-term care beds and a frontrunner in addressing this critical issue, Joerns Healthcare can offer you the expertise, assistance and products to bring your facility into compliance.

Joerns Compliance Solutions

Matching the right bed components in order to meet regulatory guidelines can be complex.

That is why Joerns offers a wide array of compliance options. We assist customers in selecting compliant accessories recommended for their specific bed model.

For More Information

To learn more about compliance options with Joerns products, visit our website at www.joerns.com, or contact our Customer Care reps at 800-826-0270 and ask for free informational publications.

To learn more about entrapment zones, assessment methods, and guidelines concerning entrapment, contact Joerns Healthcare at 800-826-0270 or consult the FDA website: <http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/GeneralHospitalDevicesandSupplies/HospitalBeds/default.htm>.

Features and Specifications








Standard Features

- 35" x 80" Sleep Surface
- Travel Range: 7" to 30"
- AdvanceCare 5-Function Control with 30°/45° Care Pauses, Comfort Chair, and AutoTransfer Height
- On-Pendant Lockout Indicators
- Locking System with Heavy-Duty Casters:
 - Roll-in-Low Lock System
 - UltraLock® Roll at any Height Mobility
- Pendant Jacks on both left and right side
- Whisper Quiet DC Actuators
- Welded Tubular Frame
- Grid Sleep Surface
- SoftTone Frame Color
- Baseboard Bumper
- Wide Stable Base
- Mattress Side Stops
- Patented Toroidal Construction (US Patent D437143)
- Patented Lifting Mechanism (US Patent 6473922)
- EasyLift Leg Positioner

Accessories And Options

- 80" and 84" Joerns® Mattresses
- 4" and 8" Length Extensions
- 42" UltraWide (width extension)
- Joerns Bed Panels
- F028 Deluxe Assist Device
- F17T Assist Device Set
- Staff Control with Lockout and Underbed Light Control
 - Programmable Gravity Assist, Trendelenburg, AutoTransfer Height
- Programmable SafeLight Underbed Light (3 intensities)
- IV Rod
- Floor Mat
- On-Board Battery Back-up Accessory
- Drainage Bag Holder
- Bed Transport Bar

I.D. Label Symbol Definition

-  Attention
-  Consult accompanying documents
-  Safe Working Load
-  Maximum Patient Weight
-  Type B Applied Parts, user controls, mattress, support platform
-  Protective Earth (ground)
-  Pinch Point

Electrical Specifications

Voltage: 100-240 VAC
 Frequency: 50/60 Hz
 Power: 420 VA
 Classification: Class I, Type B
 Mode of Operation: 10% Maximum Duty Cycle
 2 minutes on/18 minutes off
 Circuit Protection: Auto Reset Current Sensor
 Standby/Sleep Power: 0.5W

Environmental Conditions

Operating Conditions:

Ambient Temperature: +10°C to +35°C
 Relative Humidity: 30% to 75% Non-Condensing
 Atmospheric Pressure: 700 hPa to 1060 hPa
 Protected Against Splashing Water: IPX4

Storage and Shipping Conditions:

Ambient Temperature: -40°C to +70°C Relative
 Humidity: 10% to 100%
 Atmospheric Pressure: 500 hPa to 1060 hPa

Bed Identification Numbers

When ordering parts or when contacting our Customer Care Department, please include the bed's model and serial numbers found on the identification label. The identification label is located on bed frame under the mattress support platform foot section.

Conforms To:

AAMI STD ES60601-1
 IEC STD 60601-1
 IEC STD 60601-2-52
 Certified To CSA STD C22.2 # 60601-1

Mechanical Specifications

Description:	Dimensions:
80"	85.5"L x 35.0"W x 7.0"H
Weight - Base	220 lbs.
Weight - Equipped with single UltraLock	247 lbs.
Weight - Equipped with dual UltraLocks	274 lbs.
Maximum Back Angle	65° to horizontal
Maximum Knee Angle	35° to horizontal
Maximum Knee To Leg Angle	45°
Minimum Height Mattress Support Surface	
Base Bed	7.00"
Equipped with UltraLock(s)	7.25"
Maximum Height Mattress Support Surface	
Base Bed	30.00"
Equipped with UltraLock(s)	30.60"
Safe Working Load	650 lbs.
Maximum Patient Weight	600 lbs.

Assembly

Installation Of Head and Foot Panels

(For more information refer to Bed Panel Installation Sheet)

Tools required: Phillips head screwdriver

Head Panel Installation:

1. Head panel has label on back.
2. Lay panel on soft surface front face down.
3. Head panel brackets are longer of two sizes (Figure 1).
4. Install head panel brackets with four screws provided. Bracket offset should face up (Figure 2). Do not tighten until after fitting mounting brackets into bed sockets.
5. Go to final assembly below.

Frame-Mounted Foot Panel Installation:

1. Foot panel does not have label on back.
2. Lay panel on soft surface front face down.
3. Foot panel brackets are shorter of two sizes (Figure 1).
4. Install the foot panel brackets with four screws provided. Bracket offset should face up (Figure 2). Do not tighten until after fitting mounting brackets into bed sockets.
5. Go to final assembly below.

Final Assembly Step for Head Panel and Frame-Mounted Foot Panel:

1. Insert head and foot panel as shown with mounting hardware facing head of the bed (Figure 3).
2. Tighten all screws with panels in place.
3. Panels should slip in and out of their sockets easily and securely.

Installation Of Baseboard Bumper

Recommended Tool: Rubber mallet

The bed will ship with the standard bumper installed.

⚠ Caution: Facility Damage. The bed will ship with a wall bumper that provides clearance from the wall for the Gravity Assist bed position; the bed frame is tilted head down approximately 4-5° to assist in repositioning a patient back towards the head of the bed with minimal effort. If the Trendelenburg position is desired, ~12° bed frame head down, then a wall bumper is available for order, 11012608AL, to best protect the facility walls from inadvertent damage.

1. Remove the shorter bumper by tapping the tangs on either side of the leg with a rubber mallet (Figure 5).

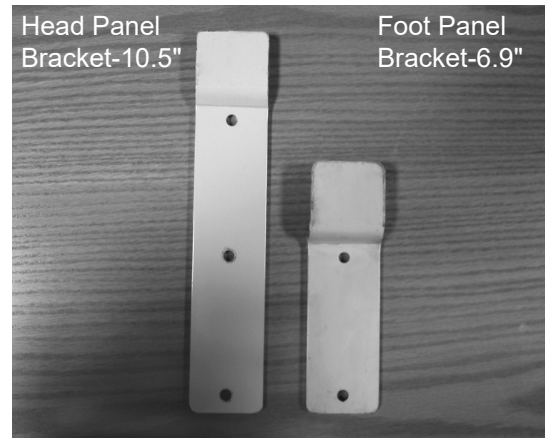


Figure 1



Figure 2



Figure 3

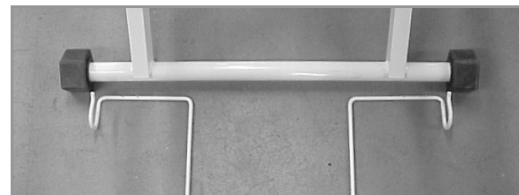


Figure 4



Figure 5

2. Place the 12° baseboard bumper, 11012608AL, available for order (Figure 4).
3. Tap into place with a rubber mallet or press firmly with the sole of your shoe until it locks into place as shown (Figure 5).

Installation of Mattress Side Stop (Figure 6)

The mattress side stop is designed to help keep mattress from sliding laterally on the mattress support platform. Mattress side stop can be installed in combination with assist devices or as a stand-alone accessory. Please read important warnings related to mattress side stops and follow all instructions below, prior to use.

Installation Steps

Tools Required: #2 Phillips Screwdriver

1. Insert the ends of the mattress stop up through the bottom of the bushings in the foot section of the mattress support platform.
2. Pulling up in the center of the mattress stop may help.
3. Install the screws from the top into the mattress stop.
4. Replace mattress, making sure mattress fills width between stops. Also, make sure mattress will not compress to less than 1.5" depth under user's load, especially when user is sitting on or sliding over mattress side stop.

IV Sockets

Joerns® UCXT bed has four IV sockets as standard equipment. There are two sockets at head end of bed and two at foot end (Figure 7). The IV sockets are compatible with Joerns IV poles and most ½" IV poles.

Installation Of Staff Control Panel (Optional) (Figure 8)

1. Mount foot panel on bed as indicated in previous instructions.
2. Unscrew cap located under bed frame at foot end, (Figure 9) and secure cable connector, arrow facing up into plug (Figure 10).
3. Ensure that the cable connector is fully inserted into the plug (Figure 11).
4. Screw on cap from cable to secure cable (Figure 12).



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11

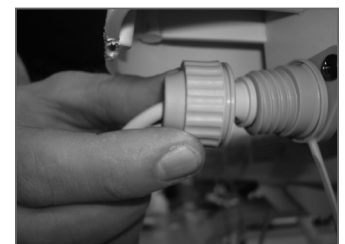


Figure 12

Operation

The pendant allows the patient/resident to operate the bed. Lockouts will light up if a function has been locked out by the caregiver.

Pendant Control Operation

1. Your bed comes standard with the pendant control shown in Figure 13. Plug pendant into port under either side of the seat pan.
2. Unscrew cap (Figure 9 on page 7) and insert cable connector, arrow facing up into port (Figure 10 on page 7).
3. Ensure that the cable connector is fully inserted into the port (Figure 11 on page 7).
4. Screw on cap from cable to cable (Figure 12 on page 7).
5. The pendant has raised, high-contrast buttons and graphics.

⚠ Warning: Possible Injury or Death. This bed should not be operated (control the movements of the bed through the control interfaces) by persons who do not have the cognitive skills to understand the information in the owner's manual or can understand and perform the proper operation of the bed. This bed should not be used or operated by children.

One-Touch Button Positioning

Back Section 30° / 45° Pause: Press and hold the back raise or lower button to reposition as normal. The back section will pause at 30° and 45°. Continue to press the button to reposition as needed.

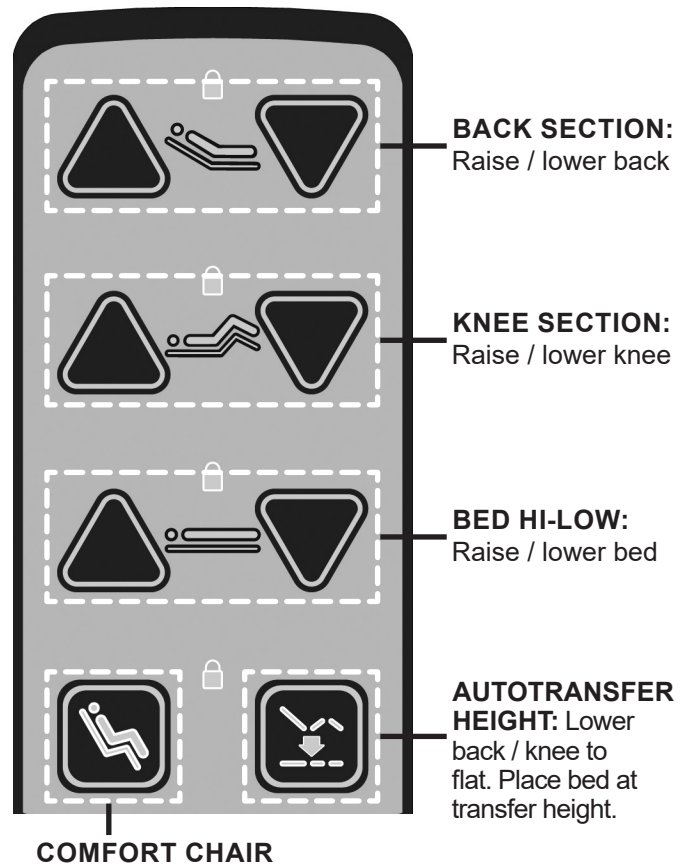
Hi / Low Pause: Press and hold the bed Hi / Low button, when the bed reaches the Transfer height in either direction the bed will pause. Continue to press or press again to reposition as needed. To change to a tailored transfer height, use the programmable AutoTransfer Height function on staff control.

Comfort Chair: Press and hold to raise the knee, tilt the bed, and raise the back section for a reclining position. To exit Comfort Chair, use AutoTransfer Height.

AutoTransfer Height: Press and hold to level the bed, flatten the head and knee, and lower to a transfer height. To change to a patient-specific transfer height, use the programmable AutoTransfer Height function on staff control.

Pendant Operation

Figure 13



Staff Control Panel Operation (Optional)

The Staff Control Panel allows caregiver to operate bed from the foot panel without walking to bedside. The caregiver can also individually lock out all functions on both Pendant and Staff Control.

1. To lock out a function, press and hold “Lock” graphic on the panel and push the function to lock out. Illuminated amber LED indicates that function is now locked out.
2. To unlock function, press and hold “Lock” graphic on the panel and push the function to unlock. Amber LED is no longer illuminated, signaling that function is now operable.

Programmable AutoTransfer Height (Staff control function only, Figure 14)

To change the pre-set transfer height:

Place bed at new desired transfer height for the specific patient using the up or down buttons. Simultaneously press and hold “AutoTransfer Height” + “Comfort Chair” buttons for five (5) seconds. The lockout LED between the two buttons will blink once, select “raise” bed button to confirm new transfer height within ten (10) seconds. Bed hi-low lockout LED will blink twice to confirm new transfer height setting.

To change back to the default pre-set transfer height:

Simultaneously press and hold the “AutoTransfer Height” + “Comfort Chair” buttons for five (5) seconds. The lockout LED between the two buttons will blink once, within ten (10) seconds select the “lower” bed button to confirm the default pre-set transfer height is desired. Bed hi-low lockout LED will blink once to confirm the pre-set default transfer height has been enabled.

Setting 12 Degree Trendelenburg Mode

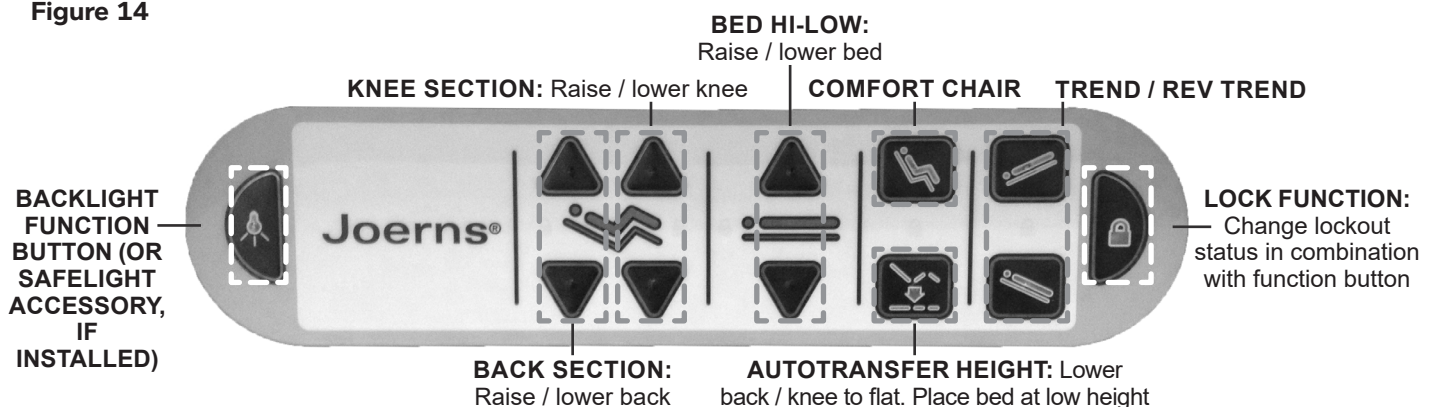
The bed will ship set to 4° Gravity Assist mode. This mode limits the head down angle to 4°. The bed angle setting can be changed to 12° Trendelenburg mode to enable Trendelenburg functionality.

1. Install Staff Control Panel as described previously.
2. Simultaneously, press and hold Trendelenburg and Reverse Trendelenburg (Figure 14) buttons for 5 seconds on Staff Control Panel.
3. Trendelenburg/Reverse Trendelenburg lock icon will begin flashing indicating that the system is ready for bed angle selection.
4. Press bed up (Figure 14) button to select full 12° Trendelenburg mode.
5. Bed Hi-Low lock out icon will flash twice confirming the bed angle setting is set to 12° Trendelenburg mode.

- ⚠ Caution: Facility Damage.** If the Trendelenburg position is desired, ~12° bed frame head down, then a wall bumper is available for order, 11012608AL, to best protect the facility walls from inadvertent damage.
6. To return bed to 4° Gravity Assist, repeat steps 2 and 3, then press bed down (Figure 14). Bed Hi-Low lock icon will blink once confirming the system is now in 4° Gravity Assist mode. Install correct baseboard bumper.

Staff Control (Optional)

Figure 14



Roll in Low Lock System

1. To keep bed from rolling when in the lowest position, press down on locking lever to lock casters (Figure 15).
2. Standard caster set comes with two locking casters placed at opposing corners of bed.

	Mobile Position	Locked Position	Swivel Casters
Roll in Low Lock System	Low only	Any Height (casters must be locked in Low)	Head & Foot (in Low position only)

Optional UltraLock® System

The Joerns® UltraLock feature provides roll at any height functionality to the UltraCare® XT bed frame. The UltraCare XT bed can be configured with a single UltraLock at the foot or dual UltraLocks at the head and foot.

- When the UltraCare XT is equipped with a single UltraLock, the foot end has swivel casters when the UltraLock is engaged and rollers at the head.
 - When the UltraCare XT is equipped with dual UltraLocks, the foot end functions in the same way as the single UltraLock option, while the head end has rollers when the UltraLock at the head end is not engaged, and swivel casters when engaged.
1. There are three possible locations by which to operate the UltraLock on each UltraLock assembly (Figure 16).
 2. To lock the bed using the UltraLock, place your toe under the pedal and lift upward (Figure 17). The label indicates the locked position by a red symbol (Figure 18).
 3. To unlock the UltraLock, place the ball of your foot on any pedal and push down (Figure 19). The label indicates the mobile position by a green symbol (Figure 18).

⚠ Warning: Possible Injury. Before leaving the bed unattended, check that the UltraLock feature is in the locked position. Never leave an unlocked bed unattended.

⚠ Warning: Possible Injury. Check that the UltraLock feature is in the locked position before allowing the resident to enter or exit the bed.

For best practices, the UltraLock feature should be locked at all times, except when the bed is being moved.



Figure 15

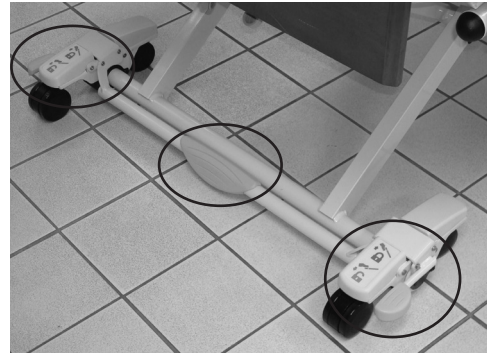


Figure 16



Figure 17



Figure 18



Figure 19

EasyLift Leg Positioner Operation

1. To raise: The knee should be in a raised position prior to adjusting the leg positioner. Grasp the bed's foot deck and raise to the desired position (Figure 20).
2. To lower: Grasp the foot end of the bed's deck and raise ½-inch to ¾-inch above present notch, then lower gently; or, grasp the foot end of the bed deck, raise to the highest position, and lower gently.
3. Lower the knee section with the pendant or staff control. **Note:** The EasyLift should be lowered before the knee section.

⚠ Caution: Be careful not to damage power cord when moving or placing bed. After placing bed in service, monitor power cord positioning carefully to prevent damage as you fully operate all bed functions.

⚠ Caution: When power cord is not plugged into a wall outlet, place it on sleep surface to prevent it from contacting floor. This will help prevent cord damage when transporting bed.

⚠ Caution: If a power cord is damaged, remove bed from service until repairs are performed.

Servicing

⚠ Warning: Never perform maintenance with a resident/patient on or near the device. Only qualified personnel should attempt to perform maintenance on this bed. Failure to properly follow all warnings and instructions may result in personal injury or damage to the device. Failure to properly care for the device may decrease the device life and increase the need for maintenance.

Service Parts List is available upon request. The actuators and control box contain no serviceable items.

Part Numbers

Pendant: 11017333
Power Cord: 11013795

⚠ Warning: Possible Shock Hazard. Unplug control box from wall outlet before performing any maintenance or service to control box.

⚠ Warning: Possible High Temperature. Prior to servicing any electrical component ensure the component has cooled to room temperature.

Actuator And Control Box Information

Cord and Socket Identification (Figure 21 and Figure 22)

1. Head Leg Hi/Low Actuator - drives head leg (Port 1)
2. Back Actuator (Port 2)
3. Foot Leg Hi/Low Actuator - drives foot leg (Port 3)
4. Knee Actuator (Port 4)
5. Control Harness (Center horizontal port)
6. Battery Accessory (Port with battery symbol)
7. AC Power in

Note: The actuators and control box contain no serviceable parts. Overload protection is achieved via current sensing technology, which will automatically reset. If any bed function fails to operate, check to see if the bed is overloaded or constrained from movement.

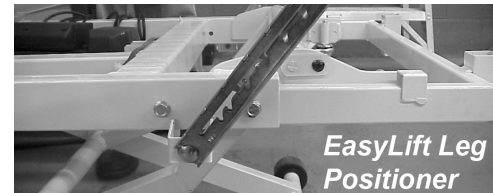


Figure 20



Figure 21

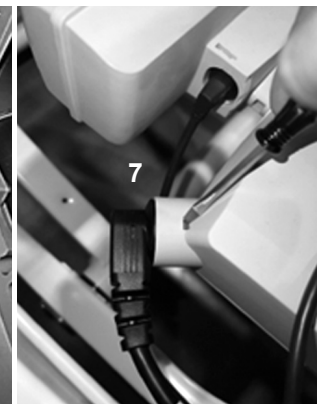


Figure 22

To Remove Control Box

1. Plugs and outlets are numbered so they can be easily reinstalled later (See Actuator And Control Box Identification).
2. Unplug from wall outlet.
3. Elevate the knee section of the sleep deck to ease the removal of the control box.
4. Open the cable cover from the control box using the small flat screwdriver to pry both locking tabs free at both ends (Figure 23). Unplug the actuator cables and the pendant or staff control cable.
5. Remove the main power cord by pressing in the red tabs on both sides of the housing with the small flat screwdriver and pulling the plug out of the housing (Figure 24).
6. If installed remove battery patch cable from control box
7. Using the small flat screwdriver, detach the control box from mounting bracket connected to the Hi-Lo actuator by pressing the internal tab gently inwards (Figure 25).
8. Now the control box can be separated from the actuator by sliding it off the actuator's mounting bracket connected to the Hi-Lo actuator housing (Figure 26).
9. To replace the control box, reverse these instructions.

To Remove Actuator

Recommended Tools: Screwdriver, Hammer, Masking Tape, Zip Ties

1. Identify the actuator to be replaced.
2. Tip the bed on its side to replace high/low actuator(s).
3. Unplug the actuator cord.
4. The actuator is held in place by two pins. Use a screwdriver to remove the lock ring on each pin.
5. Slide the pins out of holes. If necessary, use the hammer to tap out the pins.
6. You may now replace the actuator(s).
7. To reassemble the bed, reverse the previous steps, making note of the following two important items:
 - Assemble the pin and lock rings as originally installed.
 - Zip-ties should be replaced, with cords returned to their original position and routing direction to the control box.

To Remove AC Power Cable

Recommended Tools: Small Screwdriver, Masking Tape, Zip Ties, 5/16" Nut Driver

1. Raise the bed so that there is about 27 inches of clearance between the floor and the mattress support platform of bed.
2. Unplug the power cable from the outlet.

3. Cut the zip-ties that hold the power cable to the frame. Tape the remaining cables in their original position. It is very important to keep the actuator cables routed along the frame in their original factory-installed positions. If this step is not followed, damage to cables or electric shock may result.
4. Detach the ground wire from the bed frame if equipped.

⚠ Warning: Possible Shock Hazard. Injury may result from improper power cable routing. Always follow proper factory-installed routing configuration. Be sure to check condition of the power cable on a regular basis. Do not use damaged or frayed power cables.

5. Using a small screwdriver, alternately depress the small red latch tabs above and below AC receptacle on the control box. Simultaneously, pull gently outward on the power cable where it connects to the control box, until the plug comes out.
6. Plug the replacement cable into the control box until it latches. Attach the ground wire to the bed frame.
7. Re-route the power cable along the frame in the same position as the original routing.
8. Replace zip-ties along with cables in their original position and routing to the control box. If this step is not followed, damage to the cables or electric shock may result.



Figure 23



Figure 24

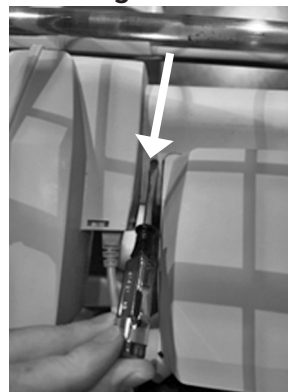


Figure 25

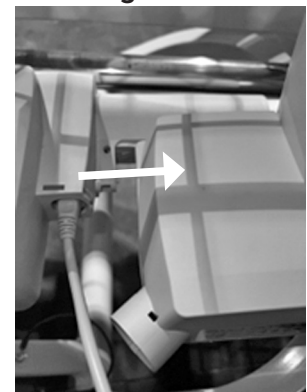


Figure 26

Troubleshooting

Any loss of electrical function should be investigated with the following steps:

Event	Possible Remedies
Bed not responding to pendant control	<ol style="list-style-type: none"> 1. Check lockout status. 2. Check connection is fully inserted with cable secured. 3. Check the bed is plugged into power source and control box green light is illuminated. 4. Unplug bed for 60 seconds and plug back in. 5. If these steps fail to resolve the problem, call Technical Support at 800-826-0270.
Bed not responding to staff control	<ol style="list-style-type: none"> 1. Check lockout status. 2. Check connection is fully inserted with cable secured. 3. Check the bed is plugged into power source and control box green light is illuminated. 4. Unplug bed for 60 seconds and plug back in. 5. If these steps fail to resolve the problem, call Technical Support at 800-826-0270.
All lockout indicators flashing	<ol style="list-style-type: none"> 1. Unplug bed for 60 seconds and plug back in. 2. Push and hold Hi-Lo up and down on staff control or pendant simultaneously until flashing stops (No more than 15 seconds). 3. If only the back or hi-low lockout LED now flashes, the specific function needs to be fully lowered or raised for a position re-sync. 4. If these steps fail to resolve the problem, call Technical Support at 800-826-0270.
Hi-Low lockout indicator flashing	<ol style="list-style-type: none"> 1. Thermal overload condition. This should self correct in 2 minutes or less. Do not surpass 10% duty cycle (2 min on/ 18 min off). 2. If these steps fail to resolve the problem, call Technical Support at 800-826-0270.
Back lockout indicator flashing	<ol style="list-style-type: none"> 1. The back sleep deck needs to be fully lowered or raised for a position re-sync. When lowered ensure the actuator has stopped moving to confirm fully lowered position has been attained. 2. If these steps fail to resolve the problem, call Technical Support at 800-826-0270.
Knee Lockout indicator flashes when attempting articulation	<ol style="list-style-type: none"> 1. Bed is in a reverse Trendelenburg or comfort chair position, level bed (page 9, Figure 18). 2. Lower or raise Hi-Low to end of travel 3. If these steps fail to resolve the problem, call Technical Support at 800-826-0270

Note: Electrical damage can occur if a non-approved pendant is connected to the electrical system.

Maintenance

Maintenance/inspection Information:

Visually inspect the bed and accessories for broken welds or cracks and check for loose hardware on a monthly basis.

If any broken welds or cracks are found, remove bed from service immediately and replace affected part(s). If necessary, contact Technical Support, 800-826-0270, for assistance. Tighten any loose hardware.

Preventative Maintenance

To ensure maximum life of your product, follow all warnings and cautions in the User Manual and maintain your bed with care, as outlined below. The maintenance required will be dictated by your bed's usage and care – a thorough inspection should be conducted monthly.

To Maximize Service Life

1. Joerns UltraCare® XT bed frames have self-leveling electronics and do not require a regular reset procedure to remain level.
2. Keep the bed clean.
3. Observe bed operation and report any discrepancies or problems to Joerns Healthcare Technical Support at 800.826.0270
4. After initial week of use, check all threaded fasteners for looseness, and make sure all pins are in their normal location and fastened securely. Check monthly for loose bolts, nuts, pins and other retaining hardware. Tighten any loose hardware, and contact Joerns Healthcare to order any appropriate service parts.
5. Make sure each inspection includes the underside of the bed frame and mattress support platform.
6. Visually inspect the bed frame and accessories for any cracking, bending, or hole enlargement. If found, contact Joerns Technical Support at 800.826.0270, remove the bed from service immediately, and replace the affected parts.
7. Check wiring for proper connections and damage (fraying, kinking, or deterioration). Report any damage to Joerns Technical Support at 800.826.0270
8. Check actuators for correct mounting at attachment points and ensure all related pins are mounted securely and properly to the bed frame. Actuators are not serviceable, but are replaceable if required.
9. Lubricate pivot point, pins and bolts as required. The recommended lubricant is Joerns-approved grease #12500013, available from Joerns Technical Support at 800.826.0270.

⚠Caution: Avoid using liquid lubricants to avoid causing a slip hazard.

10. Properly stow pendant. Place pendant in pendant holder right side up, or use hook to avoid excessive bending of cable. Avoid dropping or stretching pendant during use to maximize service life.

If any discrepancies are noted during inspection, they must be corrected before continuing bed frame use. Major service and repairs must be performed by authorized Joerns Healthcare Technical Support, which you may contact at 800.826.0270.

End of Life Disposal

- Many components of this product may be recycled.
- Please dispose of non-recyclable items properly.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.

Cleaning

⚠Caution: Possible damage to electrical parts, and/or shock hazard.

⚠Warning: Possible Injury or Burns. Do not use flammable liquids or solvents to clean the bed, its components, or surfaces placed on top of it.

1. Clean all electrical components (actuators, control box, pendant and cords) on your Joerns® bed with damp, well-wrung out cloth. Excess water in or on electrical parts, could damage these components. Do not submerge pendant in liquid.
2. Your Joerns bed features durable, baked-on epoxy finish that is easily cleaned with mild solution of antiseptic cleaner and warm water. Read and follow all label instructions on your cleaning products.
3. Wood veneer surfaces should be maintained by cleaning with furniture cleaner or polish.

Other Suggested Cleaners

- 3% hypochlorite or equivalent
 - Quaternary cleaners (active ingredient - ammonium chloride)
 - Phenolic cleaners (active ingredient - o-phenyl phenol)
 - Chlorinated bleach solution (5.25% - less than 1 part bleach to 100 parts water)
- Accessories

All Accessories

▲Warning: Possible Injury Or Death. Injury or death may result from improper use of bed accessories. Consult accessory manufacturer for compatibility, proper installation and use instructions.

Accessory Weights

Mattress Side Stop: 0.40 lbs (0.18 kg)
Drainage Bag Holder: 0.85 lbs (0.38 kg)
F028 Side Assist (pair): 16.5 lbs (7.48 kg)
F17 Side Assist (pair): 29.8 lbs (13.52 kg)
* Head / Foot Board ~ 14.9 lbs (6.76 kg)
* Mattress ~ 24.0 lbs (10.89 kg)

* Weights may vary dependent upon model, material, and size.

Mattress Side Stop

▲Warning: Possible Injury. Sitting on or sliding over the Mattress Side Stop can cause skin injury if the bed mattress compresses to less than 1.5 inches under user's load.

▲Warning: Possible Injury. Risk of entanglement or injury may occur if mattress used with Mattress Side Stop does not fill the entire width between stops or which compresses to less than 1.5" inches under user's load.

Trapeze And Trapeze Adapter

▲Warning: Possible Injury Or Death. Improper installation of the Trapeze Adapter could alter or dislodge the head panel position, increasing the risk of injury or suffocation.

▲Warning: Possible Injury Or Death. Follow the manufacturer's directions when installing the Trapeze Bar. Improper installation of the Trapeze Bar on the Trapeze Adapter could cause the Trapeze Bar to disconnect/collapse or otherwise fail, resulting in injury or death.

▲Warning: Possible Injury Or Death. A minimum of 1-inch clearance between the bottom of the Trapeze Bar and the floor is required when the bed is in its lowest position. Failure to do so could damage the floor and/or cause the bed to become unstable, resulting in injury or death.

Length Extender

▲Warning: Possible Injury Or Death. Use a mattress long enough so gap between mattress and head/ foot panel is small enough to prevent resident from getting his/her head or neck caught in these locations. Failure to do so could increase risk of suffocation or result in injury or death.

▲Warning: Possible Injury. Extender is designed for use with a foot panel. Sitting on or sliding over Extender without a foot panel installed could cause extender to fail, resulting in injury or death.

Drainage Bag Holder

▲Warning: Possible BioHazard. Prior to use, consult Drain Bag manufacturer's installation and use instructions. Failure to do so could result in a bag puncture, resulting in a potential BioHazard.

▲Warning: Possible Injury Or Death. Many items that attach to the Holder are gravity fed and must be below the bed user to function. Do not allow items attached to Holder to rest or be positioned on the floor, where they might be stepped on and adversely affected or damaged. Exercise particular caution when bed is moved to its lowest position as items attached to the Holder at that height are especially at risk. Failure to do so could result in injury or death.

▲Warning: Possible Injury Or Death. Make sure items hung on this holder have proper clearance and are not pinched or caught during bed adjustment. Failure to do so could result in injury or death.

Bed Transport Bar

▲Warning: Possible Injury. The Bed Transport Bar must be used according to installation and user instructions. Improper use could cause it to disconnect, resulting in a fall or loss of control of the bed.

Head End Mattress Side Stop (Figure 27)

1. Mattress Side Stop is designed to help keep mattress from sliding laterally on the mattress support platform. Mattress Side Stop can be installed in combination with assist devices or as a stand-alone accessory. Please read important warnings related to Mattress Side Stops and follow all instructions below, prior to use.
2. Install Mattress Side Stop according to supplied instructions. Call Technical Support at 800-826-0270, for instructions, if needed.
3. Replace mattress, making sure mattress fills width between stops. Also, make sure mattress will not compress to less than 1.5" depth under user's weight, especially when user is sitting on or sliding over Mattress Side Stop.

Trapeze (Figure 28)

1. We recommend using the Joerns® Trapeze with the Joerns Trapeze Adapter.
2. Install the Trapeze assembly according to manufacturer's directions included with the Trapeze.

Trapeze Adapter (Figure 29)

1. The Trapeze Adapter is designed to allow attachment of the Trapeze system to the EasyCare® Bed. Prior to use, please read important warnings related to this option and follow all instructions below.
2. Install the Trapeze Adapter according to the supplied instructions. If needed, call Technical Support at 800-826-0270 for instructions.
3. Install the trapeze assembly onto the Trapeze Adapter according to the trapeze manufacturer's instructions.
4. Operate the bed from its highest through lowest positions to ensure proper clearance and operation. Some trapeze systems may not be suitable for use with the EasyCare Bed, due to its low operating height.
5. Adjustment and use of a Trapeze should be in accordance with instructions from a healthcare professional (doctor or therapist).
6. Do not exceed the maximum load condition listed on installation instructions.



Figure 27

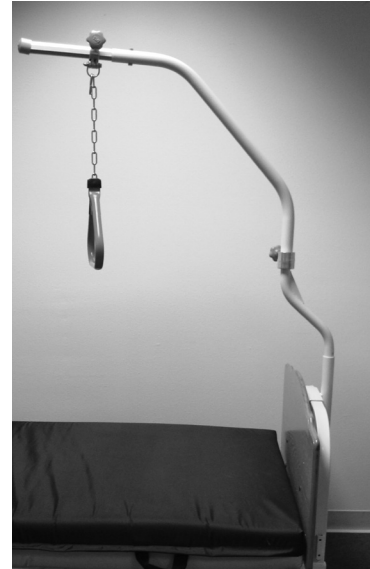


Figure 28



Figure 29

Length Extender (Figure 30)

1. Length Extender is designed to extend bed deck approximately four inches to allow using 84-inch mattress on 80-inch mattress support platform or 80-inch mattress on 76-inch mattress support platform. Prior to use, please read important warnings related to Length Extender and follow instructions below.
2. Install Length Extender according to supplied instructions. If needed, call Technical Support at 800-826-0270 for instructions.
3. Make sure increase in overall length does not produce a safety hazard or impair accessibility in the room. Place new mattress against Mattress Stop and be sure mattress covers entire mattress support platform length.

Drainage Bag Holder (Figure 31)

1. Drainage Bag Holder is designed as an attachment point for items such as urine collection bags. Make sure items attached to holder are safely secured. Prior to use, please read important warnings related to Drainage Bag Holder and follow all instructions below
2. Install Drainage Bag Holder and attach items to holder according to supplied instructions. If needed, call Technical Support at 800-826-0270 for instructions.
3. It is important to operate all bed functions through their entire ranges to ensure that items attached to Drainage Bag Holder have proper clearance and are not pinched or caught.
4. Attach Drainage Bag Holder only to the point and position outlined in installation instructions. Operate all bed functions through their full ranges to ensure that items attached to holder have proper clearance and are not pinched or caught.
5. Many items that attach to Drainage Bag Holder are gravity fed and must be below bed user to function. Do not allow items suspended from holder to rest on the floor, particularly when bed is in its lowest position. Otherwise, a safety condition may occur or the function of attached items may be impacted.



Figure 30



Figure 31

Bed Transport Bar (Figure 32)

1. Bed Transport Bar is designed to ease moving the UltraCare® XT bed, particularly when it is lowered on to its casters. **Note:** The UltraCare XT bed is not designed for use as resident/patient transport devices. Prior to use, please read important warnings related to Bed Transport Bar and follow all instructions below.
2. Install Bed Transport Bar according to supplied instructions. If needed, call Technical Support at 800-826-0270 for instructions.
3. When using Bed Transport Bar to move beds, always push down and forward on handle. Pushing up or attempting to use transport bar to lift bed, especially when crossing over thresholds, may cause it to disconnect from bed, resulting in loss of control of bed.
4. Take extra care when moving bed (remember, do not move bed while occupied by resident) on any sloped surface. Moving a bed on a sloped surface requires two people, one at each end of the bed. Never use Bed Transport Bar to move bed on a slope that exceeds ANSI and/or ADA requirements for accessibility.



Figure 32

Appendix A: Electromagnetic Compatibility (EMC) Information


Manufacturer's Declaration –Electromagnetic Emissions		
The Joerns UCXT bed is intended for use in the electromagnetic environment (for professional healthcare) specified below. The customer or the user of the Joerns UCXT bed should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment-guidance (for professional healthcare environment)
RF emissions CISPR 11	Group 1	The Joerns UCXT 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. The Joerns UCXT 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.
RF emissions CISPR 11	Class A	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Compliance	

Recommended separation distance between portable and mobile RF communications equipment and the Joerns UCXT Bed			
The Joerns UCXT bed is intended for use in an electromagnetic environment (for professional healthcare) in which radiated RF disturbances are controlled. The customer or the user of the Joerns UCXT bed can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Joerns UCXT 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 2,7 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.			

Guidance and Manufacturer's Declaration - Electromagnetic Immunity:

The Joerns UCXT bed is intended for use in the electromagnetic environment (for professional healthcare) specified below. The customer or the user of the Joerns UCXT bed should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment-Guidance (for professional healthcare environment)
Electrostatic discharge (ESD) IEC 61000-4-2	Contact: ±8 kV Air: ±2 kV, ±4 kV, ±8 kV, ±15 kV	Contact: ±8 kV Air: ±2 kV, ±4 kV, ±8 kV, ±15 kV	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines Not applicable	Mains power quality should be that of a typical professional healthcare environment.
Surge IEC 61000-4-5	±0.5 kV, ±1 kV line(s) to line(s) ±0.5 kV, ±1 kV, ±2 kV line(s) to earth	±0.5 kV, ±1 kV line(s) to line(s) ±0.5 kV, ±1 kV, ±2 kV line(s) to earth	Mains power quality should be that of a typical professional healthcare environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Voltage Dips: 0% U_T ; 0,5 cycle 0% U_T ; 1 cycle 70% U_T ; 25/30 cycles Voltage Interruptions: 0% U_T ; 250/300 cycle	Voltage Dips: 0% U_T ; 0,5 cycle 0% U_T ; 1 cycle 70% U_T ; 25 cycles Voltage Interruptions: 0% U_T ; 250 cycle	Mains power quality should be that of a typical professional healthcare environment. If the user of the Joerns UCXT bed requires continued operation during power mains interruptions, it is recommended that the Joerns UCXT bed be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) Magnetic Field IEC 61000-4-8	30 A/m 50 Hz or 60 Hz	30 A/m 50 Hz / 60 Hz	The Joerns UCXT bed power frequency magnetic fields should be at levels characteristic of a typical location in a typical professional healthcare environment.
Note: U_T is the a.c. mains voltage prior to application of the test level.			

Guidance and Manufacturer's Declaration – Electromagnetic Immunity			
The Joerns UCXT bed is intended for use in the electromagnetic environment (for professional healthcare) specified below. The customer or the user of the Joerns UCXT bed should assure that it is used in such and environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	3 Vrms: 0,15 MHz – 80 MHz 6 Vrms: in ISM bands between 0,15 MHz – 80 MHz 80% AM at 1 kHz	3 Vrms: 0,15 MHz – 80 MHz 6 Vrms: in ISM bands between 0,15 MHz – 80 MHz 80% AM at 1 kHz	Portable and mobile RF communications equipment should be used no closer to any part of the Joerns UCXT bed including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
Radiated RF IEC 61000-4-3	3 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	3 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	Recommended separation distance $d=1,2\sqrt{P}$ $d=1,2\sqrt{P}$ 80 MHz to 800 MHz $d=2,3\sqrt{P}$ 800 MHz to 2,7 GHz 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 distance in meters (m). Interference may occur in the vicinity of equipment marked with the following symbol: 
<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>			



Joerns Healthcare Warranty Program for Joerns® UltraCare® XT Bed, Model UCXT

Joerns UltraCare XT Beds, Model UCXT, are guaranteed for a period of five years from the date of delivery, against defects in materials and workmanship, under normal use and service.

This five-year warranty includes all mechanical and electrical components.

Steel structural components on beds are covered under warranty for a period of 15 years from the date of delivery.

Welds are covered under warranty for the lifetime¹ of the product.

Damage caused by use in unsuitable environmental conditions, abuse or failure to maintain the product in accordance with user and service instructions is not covered.

Any alteration, modification, or repair unless performed by or authorized in writing by Joerns Healthcare, will void this warranty.

Parts

Joerns beds contain various parts that wear from normal use. These parts, such as DC batteries or pendants, are not covered under the stated warranty but are covered for 90 days after date of delivery.

¹ Weld lifetime defined as 20 years.

Joerns Healthcare's obligation under this warranty is limited to supplying replacement parts, servicing or replacing, at its option, any product which is found by Joerns Healthcare to be defective.

Warranty replacement parts are covered by the terms of this warranty until the product's original stated warranty period expires.

When requested by Joerns Healthcare, parts must be returned for inspection at the customer's expense. Credit will be issued only after inspection.

Service

Most service requests can be handled by the facility Maintenance Department with assistance from the Joerns Healthcare Product Service Department.

Most parts requested can be shipped next day air at the customer's expense.

Should a technician be required, one will be provided by Joerns Healthcare, at our discretion. Only the Joerns Healthcare Product Service Department can dispatch authorized technicians.

This warranty is extended to the original purchaser of the equipment.

Manufactured by:

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