



EX8000

USER MANUAL



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Overview

Introduction

This manual provides instructions for use of the EX8000. Do not operate the bed without first reading and understanding the warnings and cautions provided herein.

NOTICE: The information in this document is subject to change without notice.

Intended Use

The EX8000 Bed is intended to provide means for a single occupant to recline and sit, and to assist the occupant in moving between reclining, sitting and standing positions.

The bed is intended for use in the U.S. and Canada long and short-term care facilities, and homes.

The bed is intended to support a safe working load of 800 lbs. (evenly distributed), which includes the weight of the occupant, mattress, bedding, and any other items on the bed deck.

The bed is intended for operation by adult users who have read and understand this User Manual.

The bed is intended for indoor use in environments where it will not get wet, where floors are stable and level, and in ambient temperatures between 41°F and 104°F.

The bed is intended for operation on 120 VAC, 60 Hz mains power.

The bed is **not** intended to provide a means for transport of the occupant.

Safety Information



This symbol identifies a **WARNING** or **CAUTION**:



WARNING represents potentially dangerous situations that can lead to serious physical injury or death.


















CAUTION represents potentially dangerous situations that can lead to minor physical injury.

General Use Safety







WARNING Bed must be used as specified under the “Intended Use” heading. Use of the bed outside of the specified conditions may result in personal injury or equipment damage.


-  **WARNING** Close supervision by an adult user who has read and understands this User Manual is required when the bed is used around children or others who have not or cannot read and/or understand this User Manual.
-  **WARNING** The bed mattress must be properly sized to meet entrapment zone dimensional guidelines published by the Food and Drug Administration.
-  **WARNING** Do not spill or spray liquid on the bed. Excessive liquid on the bed can result in an electric shock hazard. In the event of a liquid spill or excessive liquid on the bed, unplug the bed immediately. Remove excess liquid and allow bed to dry thoroughly before restoring power.
-  **WARNING** Never permit anyone under the bed while the bed is being used. Failure to do so could result in personal injury.
-  **WARNING** Never operate the bed if a cord or plug is damaged, or it is not working properly. Contact Qualified Service Personnel for inspection and/or repair. Failure to do so could result in personal injury.
-  **WARNING** Ensure the main power cord is routed where it is not pinched either under or beside the bed. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** Ensure the grounding cable of the control box is securely fastened to the frame. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** If a handset is used, the cord must be routed and secured properly to ensure that cord does not become entangled. Failure to do so could result in equipment damage or personal injury.
-  **CAUTION** Keep all moving parts free of obstruction (i.e. blankets, sheets, pads, tubing, etc.)
-  **CAUTION** Never remove any labels applied to the bed. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** Do not exceed the maximum allowable weight capacity on this bed. The maximum weight is the sum of the resident/patient, mattress, bedding material and headboard and footboards.
-  **CAUTION** Keep the bed in low position when the occupant is unattended. High bed positions increase the risk of injury from falling when getting in or out of bed, or while reclined.

-  **CAUTION** Always keep all bed casters locked unless bed is being moved. Unlocked casters can result in a fall hazard due to unexpected bed movement.
-  **CAUTION** To avoid a fire hazard; do not use the bed in an oxygen-enriched environment or in the presence of explosive gases.
-  **CAUTION** To avoid an electric shock hazard; do not plug the power cord into a wall outlet if the power cord is damaged, if the ground pin is missing, or if the wall outlet does not provide for the power cord ground pin.


Bed Articulation Safety

-  **WARNING** Always confirm the area under the bed and end-boards is free and clear of children, inattentive adults, pets, and objects when raising and lowering the bed.
-  **CAUTION** When lowering the bed or knee in chair position, always ensure limbs or extremities are not under any portion of the bed or mattress.
-  **CAUTION** Always confirm limbs or extremities are within the perimeter of the mattress and not in a position where they can be trapped or pinched by the support arms and assist bars when adjusting head and knee elevation.
-  **CAUTION** Keep moving parts of bed free of obstructions, including bedding, heating pads, tubes, cords and wires. Items caught in moving parts may be crushed, cut or pulled during bed adjustment.


Side Rail and Assist Bar Safety

-  **WARNING** Always confirm the side rail and assist bars are locked in the raised position. Improperly locked support arms and assist bars can result in a fall hazard due to sudden unexpected movement.

Options and Accessories Safety

-  **CAUTION** Use only bed accessories and bed replacement parts supplied or approved by Med-Mizer® for this bed. Third party accessories and replacement parts that are not approved by Med-Mizer® may result in personal injury or equipment damage.

Cleaning Safety

-  **WARNING** Do not spill or spray liquid on the bed. Excessive liquid on the bed can result in an electric shock hazard. In the event of a liquid spill or excessive liquid on the bed, unplug the bed immediately. Remove excess liquid and allow bed to dry thoroughly before restoring power.

⚠ CAUTION Follow manufacturer's instructions for proper use of cleaning agent. Improperly diluted or improperly applied cleaning agents can result in inadequate disinfection or a caustic burn hazard.

Maintenance and Service Safety

⚠ WARNING Before performing bed maintenance or service, unplug the power cord to avoid an electric shock hazard.

⚠ WARNING If a fault or problem is found during preventative maintenance inspections, remove the bed from service until the appropriate repair or adjustment is made.

Specifications

Deck Height Range	9.5" to 25.5"	Weight with Standard Boards	299lbs.
Safe Working Load	800 lbs.	Maximum Head Angle	63° ± 3°
Overall Bed Widths	35.5", 38.5", 41.5", 47.5"	Maximum Knee Angle	19° ± 3°
Overall Bed Length	94.00"	Power Requirements	120 VAC, 60 Hz
Overall Bed Weight	270 lbs.	Maximum Current Draw	2.7 amps
		Controller Output Voltage	24 VDC

Options and Accessories

BATRAP	Trapeze Accessory
BAEXT	4 Inch Bed Extender
DOLLY-BA	Transport Dolly Accessory
ASRL-PR	Pivoting Assist Bar – Right
ASRL-PL	Pivoting Assist Bar – Left
ASRL-3PL	Pivoting Assist Bar – Left w/ Embedded Controls
ASRL-3PR	Pivoting Assist Bar – Right w/ Embedded Controls
BATT	Battery Backup (Factory Option)
BAUD	Two Position Side Rail (Set)
UD3C	Two Position Side Rail (Set) w/ Embedded Controls
BASCALE	Bariatric Scale
6351	3 Function Pendant
6429	Pendant with Trendelenburg

End Board Panels

End Board Options



Headboard and Footboard Finish Options

Custom Headboard and Footboards Available

Preparation for Use

Unpacking (If Shipped LTL/Commercial)

Tools Required:

Utility knife

Side-cutting shears

To unpack bed, footboard and headboard:

1. Use the utility knife to carefully cut the shrink-wrap film and remove it from the bed.
2. Use the side-cutting shears to carefully cut all banding and tie straps.
3. Use the utility knife to carefully open the carton containing the end boards, and remove the headboard and footboard.
4. With two persons, slowly slide bed off the pallet.

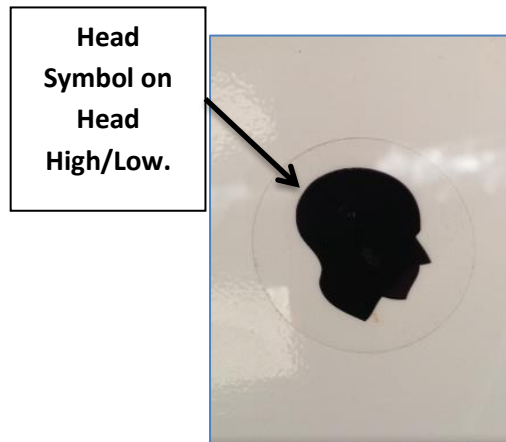


Disassembly

Tools Required:

- 5/8 Wrench
- 5/8 Socket
- Ratchet handle
- Side Cutters

1. Lock all four casters then carefully lay entire bed on the ground, make sure to lay it on the head section side.



2. Using side cutters remove the black sip ties on the top of the bed.



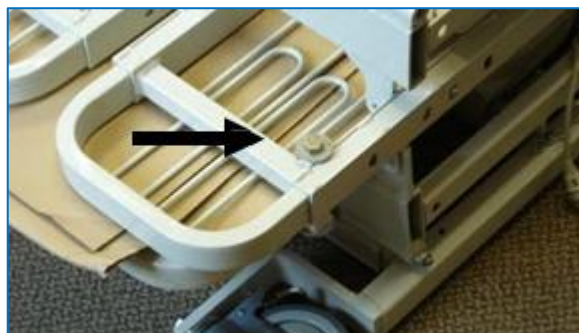
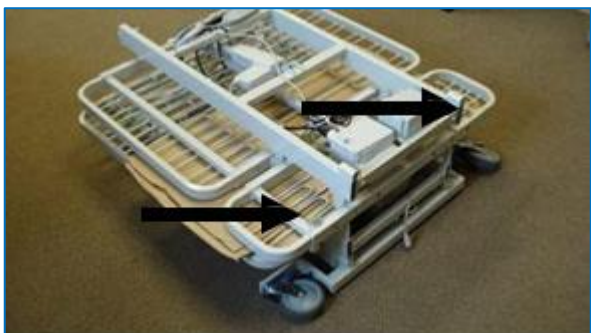
3. Now that the wire ties have been removed, locate the two 7/16-14 x 4 1/2" bolts. Using your 5/8" wrench and ratchet both will need to be removed in order to separate foot section high low mechanism.



4. Once these nuts and bolts are removed the mechanism is free to be lifted off. Do not discard these bolts; they will be used to assemble the bed. Once the mechanism is removed, place it in a safe area until bed assembly.



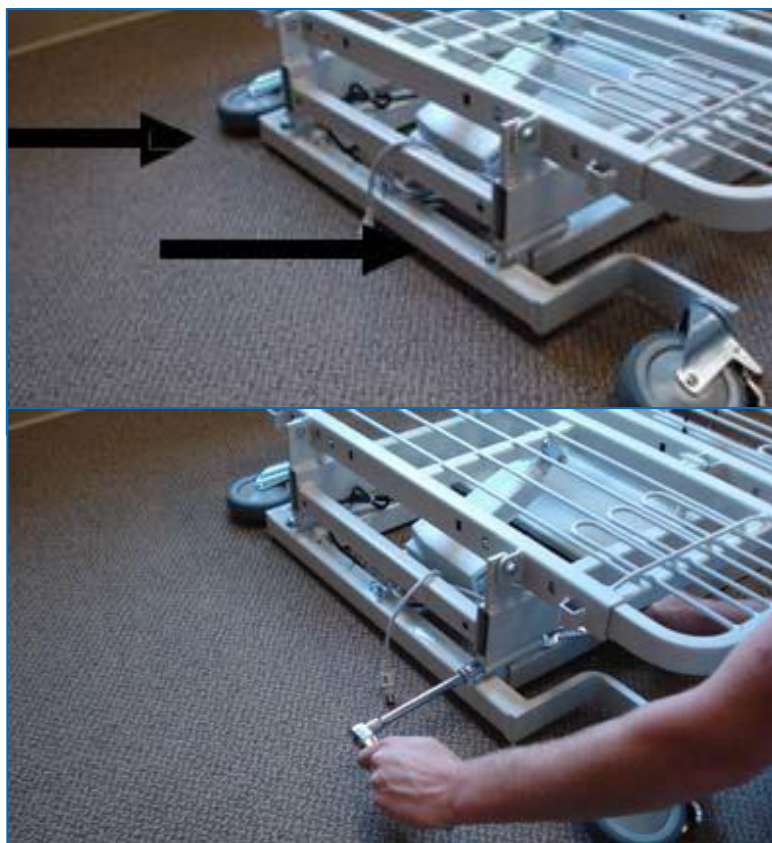
5. Locate the next two 7/16-14 x 4 1/2" bolts to be removed. Remove both bolts to release the head section of the bed from the foot section. Do not discard the nuts and bolts. There are four 1/2" washers that will not be used for assembly of the bed; however do not discard if the bed will be reassembled for transport.



6. Remove the head section from the bundle and place in a safe place until bed assembly. This action will free each section from the entire bundle.



7. The foot high low mechanism is below foot section frame that the head section was removed from. Locate the other two 7/16-14 x 4 1/2" bolts to remove and repeat step 5.



8. Remove the foot section from the foot high low mechanism. Disassembly is complete and it is now time to place the four sections in proper location for assembly.

Assembly

Tools Required:

- 5/8 Wrench
- 5/8 Socket
- Ratchet handle
- Side Cutters

1. Place each of the four sections into place for assembly. Orient like the following.

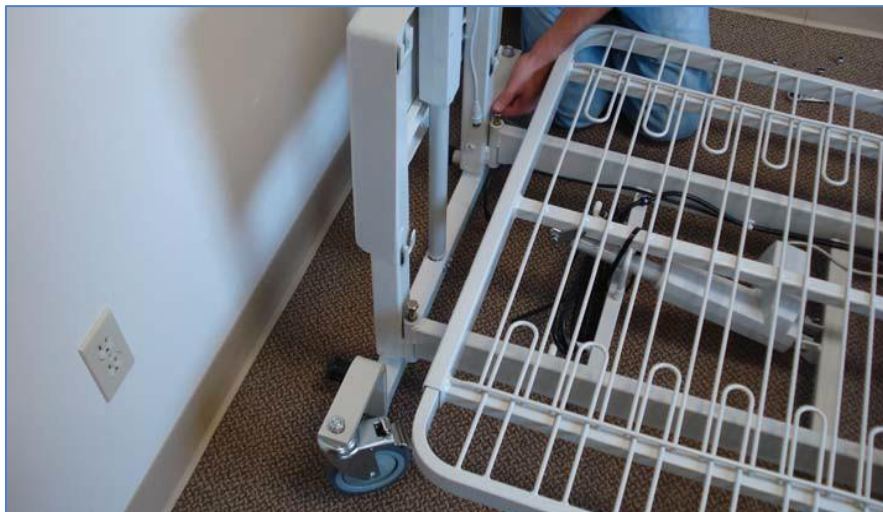


2. Next assemble the head section deck to the head high low mechanism. Locate the 7/16-14 x 4 1/2" bolts and nuts used for disassembly, each will be used to assemble.

3. Next place each bolt into the bushings located on the head section deck.



4. Now lift the head section deck onto the two bushings located on the head high low mechanism.



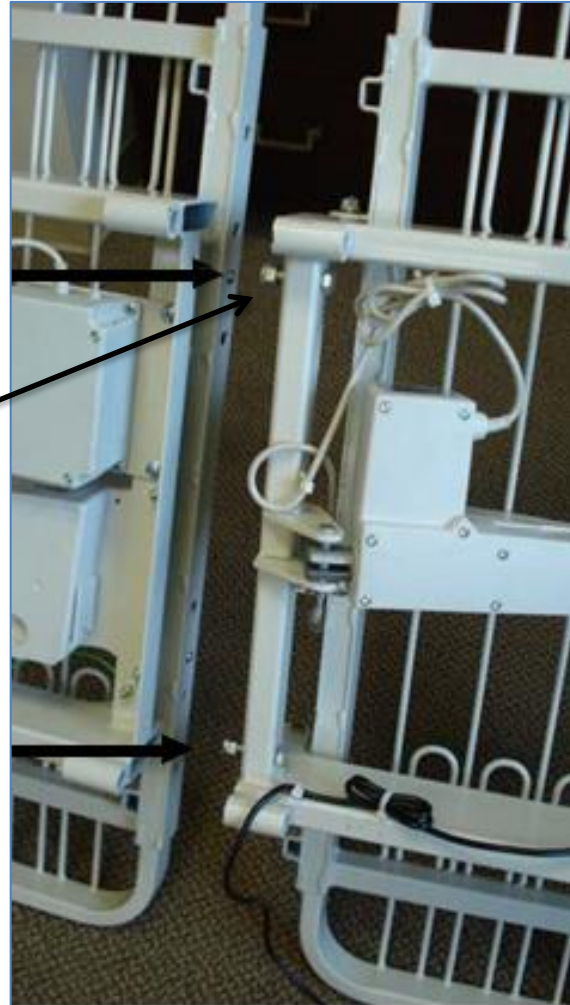
5. Once the bolts are in place and fully seated onto the bushings, use the 5/8" Wrench and Ratchet to firmly tighten the 5/8" nylon nuts to the bolts.
6. Assemble the foot section deck to the high low mechanism, repeat steps 2 thru 5.



7. Connect the foot section deck frame to the head section deck frame. To do so, each section will be tilted so that assembly will take place underneath each frame. Tip and then rest the frames like the pictures below. Do the same for each frame making sure the center of the deck lines up.



8. You will see two more 7/16-14 x 1 1/2" bolts and nuts on one of the frames. Each will need to be removed for assembly; do not discard.



9. Once the bolts are removed, locate the bolts that were removed during disassembly. Line the two frames up until each of the weld bushings align so that the bolts can easily slide through. Now firmly tighten the two 5/8" nuts to the bolts and repeat for the other bushing on the frame.

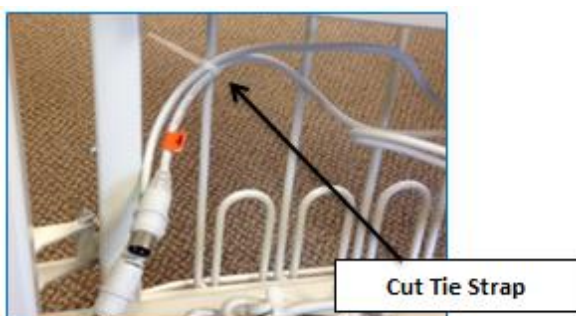


10. Re-apply the two long bolts to the frame. These are the two nuts and bolts you just removed from the frame. Each of the frames should be lined up properly so that these can return to the holes they previously were in. Slide each one back into the holes and firmly tighten the nuts. Once this is complete the bed is mechanically assembled.



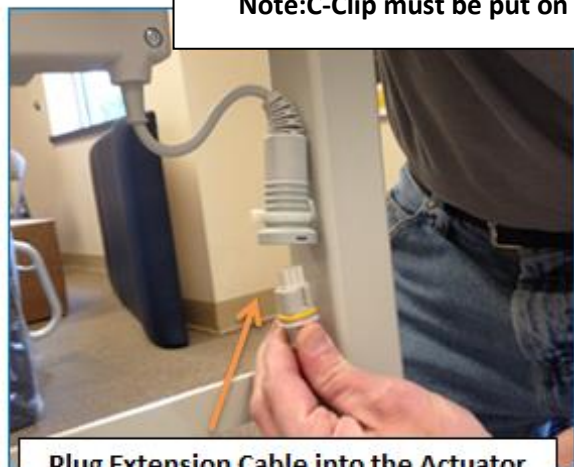
11. Cut tie straps for the foot section motor, as well as the tie straps for the hand pendant control located by the power cord. Plug the numbered and colored plugs into the corresponding ports on the control box.

NOTE: All plugs must be pushed all of the way into the port to ensure good mechanical and electrical connection, failure to do so may result in improper or intermittent operation.



12. Flip bed over onto its casters to its flat position and remove all remaining tie straps. Once the tie straps are removed you can now attach the hi/low actuators to the extension cable along with a plastic c-clip which can be found in your bag attached to frame.

Note: C-Clip must be put on after they are plugged together



Plug Extension Cable into the Actuator

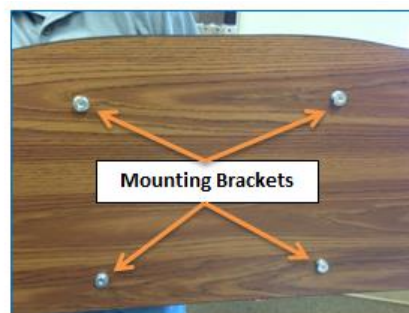


Install C-Clip into Actuator Port; be sure to push in all the way until it locks

13. Attach the headboard and footboard to the bed; this can be done by sliding all four mounting brackets in the respective channel on the bed. The head and footboards are identical and are attached in the same manner.



Mounting Channels



Mounting Brackets



Slide all four brackets into each channel to attach headboard and footboard

Operation

Control Options

Hand Pendant Control

Bed Height Adjustment



The up arrow raises the bed, and the down arrow lowers the bed.

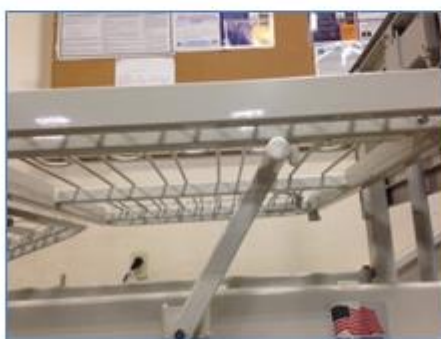
Head and Knee Adjustment



The head-up arrow raises the head section, and the head-down arrow lowers the head section.
The knee-up arrow raises the knee, and the knee-down arrow lowers the knee.

Foot Elevation

To elevate the foot section, first raise the knee to the desired height. Manually lift the foot end of the foot section and rotate the foot support post upward. Lower the foot section placing the foot support on the bottom of the foot section.



Bed Transport

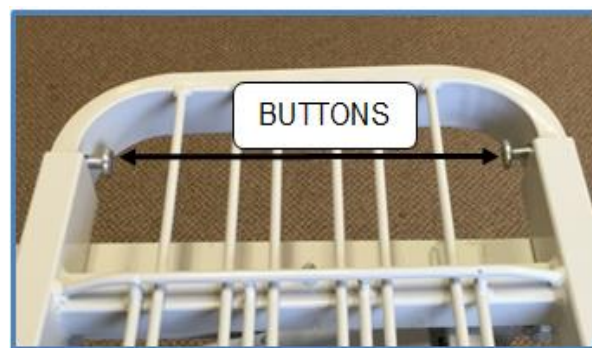
To transport an empty bed, unlock the bed casters and use the footboard or headboard to move the bed. Do not move the bed using the rails, hand held pendant or assist bars as handles. Lock all four bed casters when bed movement is complete.

NOTE: The bed is **not** intended to provide a means for transport of the occupant.

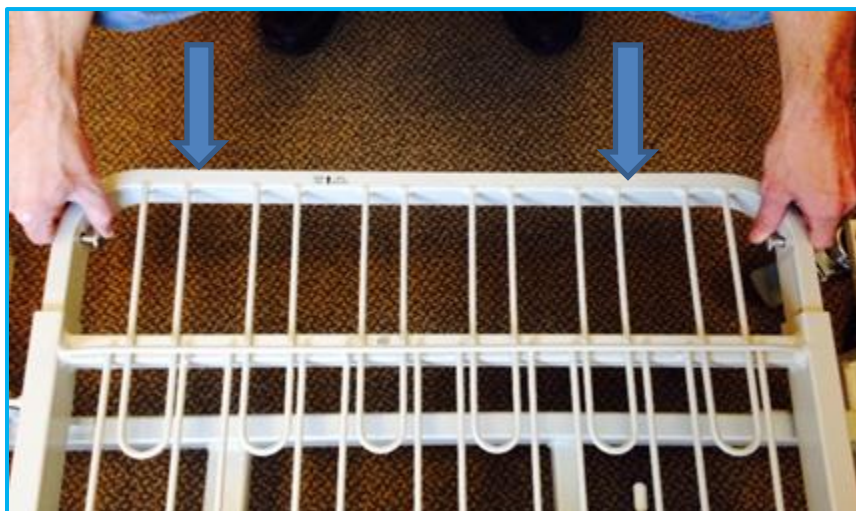
Bed Deck Expansion or Retraction

To expand deck push the two buttons simultaneously and pull the tube, release the button until the desired width is achieved. The first locking location is 39" the second is 42", and the final is 48". Repeat on all four sections and both sides of bed. Ensure that the section locks into desired location.

To retract deck, depress both buttons and push the tube in to the desired location.



To position the head or foot of the deck into the through door position depress the buttons and push the tube with accessory completely in until the tube stops and in position. Repeat on both sides of the deck.



Maintenance

Cleaning

The frame can be cleaned/disinfected with a disinfecting wipe. Disinfectant should always be applied to a cloth; never spray directly on frame or controls. After applying cleaning agent, allow the surface to dry prior to placing unit back in service. Clean frame as needed.

Maintenance and Service

NOTICE: RECOMMENDED TO PERFORM PREVENTIVE MAINTENANCE EVERY 12 MONTHS FOR BEST PERFORMANCE.

1. Inspect the frame for weld cracks or tears.
2. Check that all bolts, pins and fasteners are still in working order.
3. Perform functional test on the frame.
4. Inspect the casters for wear and tear.

Preventative Maintenance Inspections	Problem Resolution
Inspect bed frame for cracks, tears or bending, particularly at welds and joints.	Remove bed from service. Contact Med-Mizer® customer service.
Inspect electrical enclosures for cracks or other damage.	Remove bed from service. Contact Med-Mizer® customer service.
Check that screws, bolts, pins and other fasteners are in place, secured and properly tightened.	Remove bed from service. Tighten loose bolts and screws. Contact Med-Mizer® customer service to order missing or damaged fasteners.
Inspect actuators for excessive wear and misalignment.	Remove bed from service. Contact Med-Mizer® customer service.
Inspect power cord for damage including the plug and strain relief.	Remove bed from service. Contact Med-Mizer® customer service to order replacement power cord.
Verify that cables and wires are properly retained and clear of moving parts.	Remove bed from service. Securely retain wires so they are clear of moving parts. Contact Med-Mizer® customer service to order replacement missing or damaged wire fasteners.
Verify the plug connectors for the controls, drive motors, and motor control box are fully engaged.	Fully engage connectors that are not properly engaged.
Verify the side rails/ assist bars latch securely in the raised position.	Remove bed from service. Contact Med-Mizer® customer service.
Verify all casters securely lock when activated.	Remove bed from service. Contact Med-Mizer® customer service to order replacement non-locking casters.
Verify that all bed control switches operate correctly.	Contact Med-Mizer® customer service.

Service Parts List

PART #	DESCRIPTION
6195	5 INCH CASTER WHEEL & HUB
6201	LINAK POWER CORD 11 FOOT W/ GROUND CABLE
6345	BARIATRIC CONTROL BOX
6346	BARIATRIC HI/LOW MOTOR
6355	ENGLISH OAK BARIATRIC BOARD
6356	MAHOGANY BARIATRIC BOARD
6357	LIGHT OAK BARIATRIC BOARD
6358	CHERRY BARIATRIC BOARD
6359	BARIATRIC KNEE MOTOR
6360	BARIATRIC HEAD MOTOR
6429	PENDANT WITH TRENDELENBURG
6351	3 FUNCTION PENDANT
6362	MOTOR EXTENSION CABLE
6508	C-CLIPS FOR HI/LOW CONNECTION
6344	PLASTIC END PANELS/COVERS

Warranty

Med-Mizer, Inc. warrants to the original purchaser that its products shall be free of defects in material and workmanship for a period of Lifetime on welds: 15 years on the bed frame: 5 years on the drive system; 1 year on wood products, casters, handsets, and miscellaneous parts. Med-Mizer's obligation under this warranty is expressly limited to supplying replacement parts for, or replacing, at its option, any product which is, in the sole discretion of Med-Mizer, found to be defective. This warranty does not cover failure due to negligence, accident, abuse or installation not in accordance with the company's instructions or failure to follow maintenance instructions.

If requested by Med-Mizer, products or parts for which a warranty claim is made shall be returned prepaid to Med-Mizer's factory. Any improper use or any alteration or repair by others in such manner as in Med-Mizer's judgment affects the product materially and adversely shall void this warranty.