

MED MIZER[®]

EX8000 User Manual
Revision 04

MPS
MEDICAL PARTS SOURCE

800-779-2660
www.mpsource.com



EX8000

USER MANUAL

For Parts or Technical Assistance - (877) 867-7365

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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
BATT-EX8	Battery Backup (Factory Option)
UD	Two Position Side Rail (Set)
BASCALE	Bariatric Scale
ACO-EX8	Foot End Attendant Control
MATRET	Mattress Retainer



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 (*Use with an impact driver*)

Side Cutters

NOTE: *It is recommended that an impact driver be used with the 5/8 socket when disassembling the bed high low ends and head and foot deck sections*

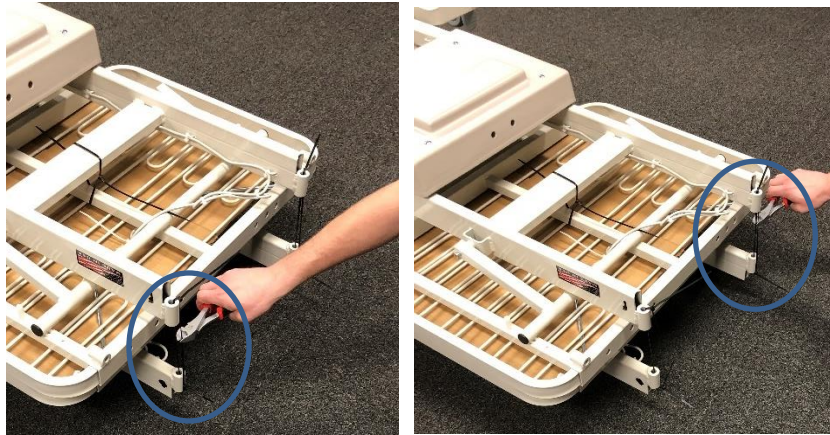
1. Lock all four casters then carefully lay entire bed on the ground, make sure to lay it on the head section side. Remove the user manual and contents (manual, cable ties and two motor clips).



2. Lay the bed in the shipping form onto the side with the rubber bumpers.



3. Cut both black cable ties.



4. Near the casters are two 7/16-14" X 4 1/2" zinc bolts, these need to be removed with the 5/8" socket and drill. Retain these bolts and nuts for assembly process.



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5. There are two more bolts that need removed located perpendicular to the other two. Remove and retain hardware for assembly process.



6. Remove foot deck assembly.



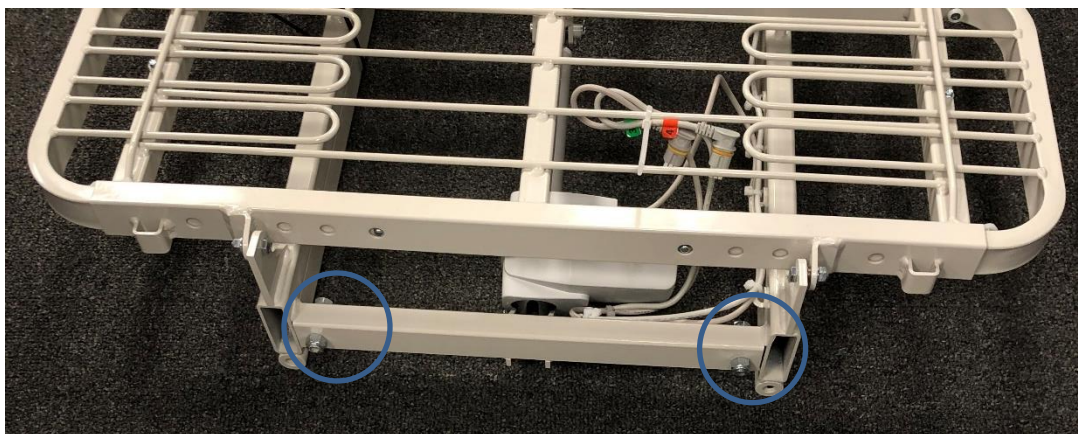
7. Unbolt the other two 7/16-14" X 4 1/2" Bolts and remove the head section assembly from the head high low assembly. Remove and retain hardware for assembly process.



8. Place both decks on the ground arranged like this (image below is foot deck to left and head deck to right).



9. There are two more 7/16-14" X 1 3/4" bolts that need removed, located on the foot end deck assembly, retain hardware for assembly process.



Assembly

Tools Required:

5/8 Wrench

5/8 Socket (*Use with an impact driver*)

Side Cutters

NOTE: *It is recommended that an impact driver be used with the 5/8 socket when assembling the bed high low ends and head and foot deck sections.*

1. Assemble the high low lift assembly to the head end using the 7/17-14" X 4 1/2" bolts and nuts. You can identify the which end goes to head by matching labels. Tighten the bolts and nuts using the impact drill.



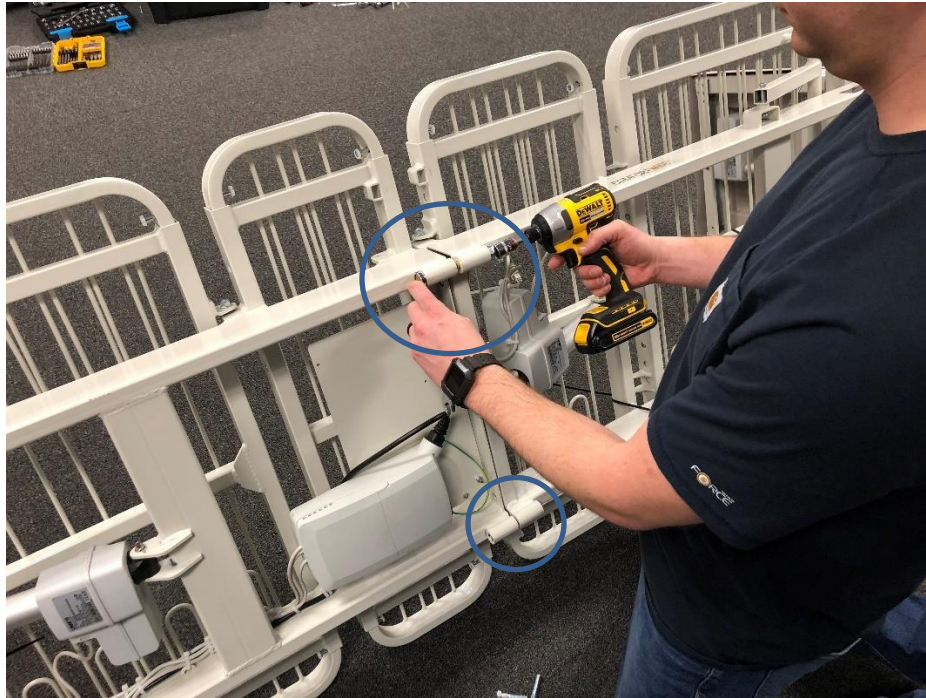
2. Repeat the same steps for the foot end high low assembly.



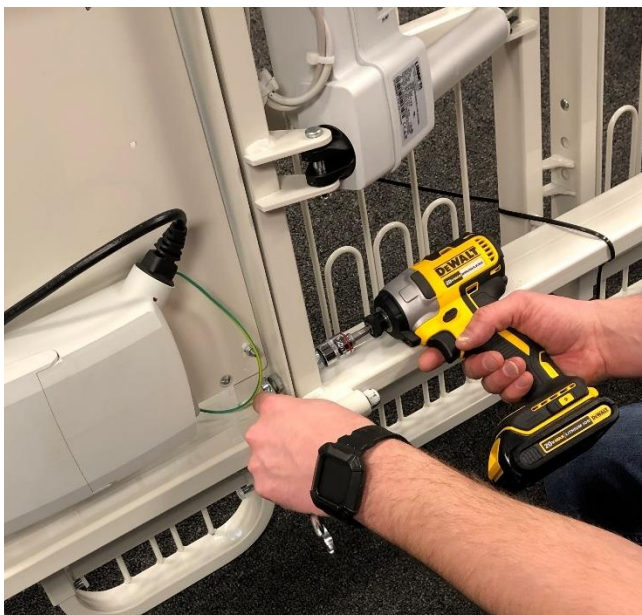
3. Turn each bolted together assembly over to orient the bed decks like below and align the welded bosses directly with each other.



4. Use two of the 7/16-14" X 4 1/2" Bolt and nuts to assemble each assembly together, both upper and lower bosses. Be sure to use the impact drill again to firmly secure.



5. Use the two 7/16-14" X 1 3/4" bolts and nuts to secure the inside frame to each assembly. Be sure to use the impact drill again to firmly secure.



6. Cut the cable ties to release cable 3 (Green) and 4 (Orange). Open the control box by depressing the detent buttons and swing the cover out to open.



7. Plug cables 3 (Green) and 4 (Orange) into the respective locations. Route the cabling to seat into the grooves of the control box and then close tightly.

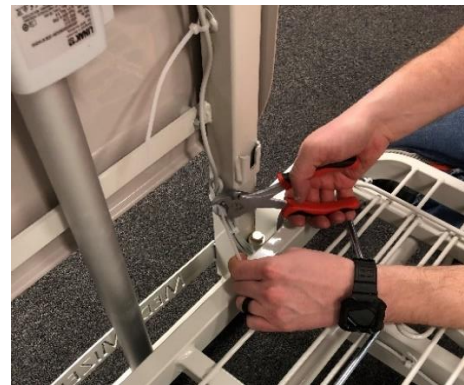


8. Return the bed to its casters. Cut all cable ties from bed in these locations. Remember to include removing the handset below the head end of bed deck.

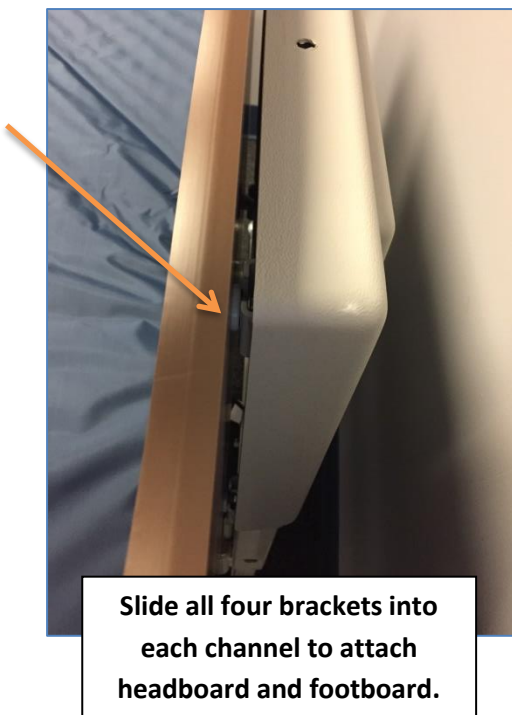
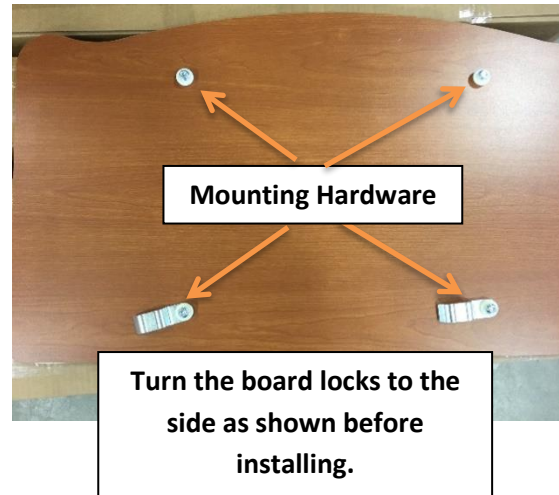
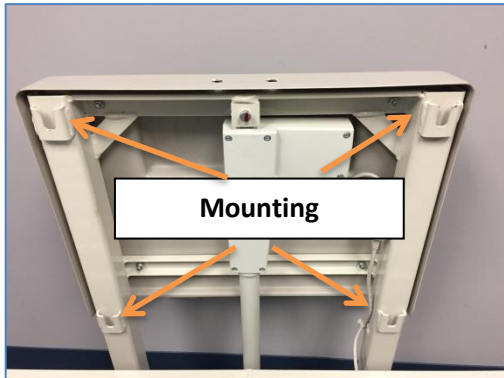




9. Plug the high low cable into actuators, use the provided c-clips to secure the cable (be sure to push in until flush with plastic housing). Route the wire along the weldment and secure with the provided cable ties. Cut off any excess cable tie.



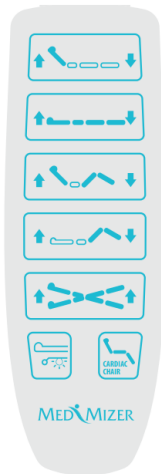
10. The head and foot boards can be applied by lining the bosses to the welded channels located on the high low assemblies. Push down firmly to properly seat the board.



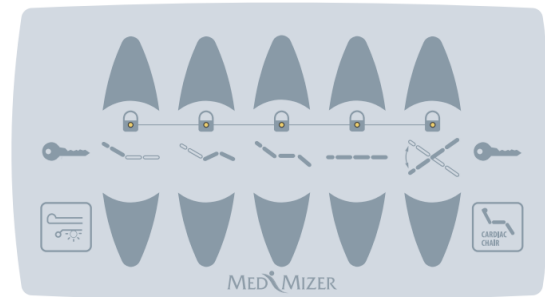
Operation

Control Options

Handset (Standard with Bed)



ACO Foot End Control Panel (Optional)



Articulation

Head, Deck Elevation, Auto-Contour, Knee and Trendelenburgs – Hold the button down until the desired position is achieved.

Cardiac Chair – Hold the button down until the desired position is achieved. However, the pre-determined position will take some time and each motor operated independently.

Articulation Lock-out (Handset)

To lockout an independent function (Head, High/Low, Knee) hold down the respective UP & DOWN arrows for 5 seconds, once locked out there will be an audible 2 beeps. To unlock do the same action for 5 seconds or until you hear 3 beeps.

To lockout all functions quickly, hold down HEAD UP and KNEE DOWN for 5 seconds or until there is 2 audible beeps. To unlock all function, hold down HEAD UP and KNEE UP for 5 seconds or until you hear 3 beeps.

Whenever a function/handset is locked out there will be a continuous audible beep to alert its locked out.

Articulation Lock-out (ACO)

To lockout any function, hold down the “key” button and center of button (over the icon) at the same time. To unlock perform the same action.

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

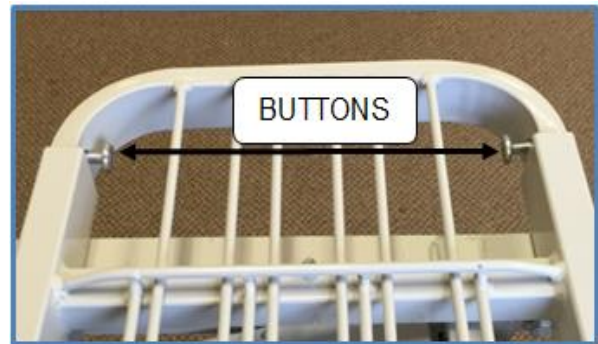
To transport an empty bed, unlock the bed casters and use the footboard or headboard to move the bed. Do not move the bed using the rails, hand held pendant or assist bars as handles. Lock all four bed casters when bed movement is complete.

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

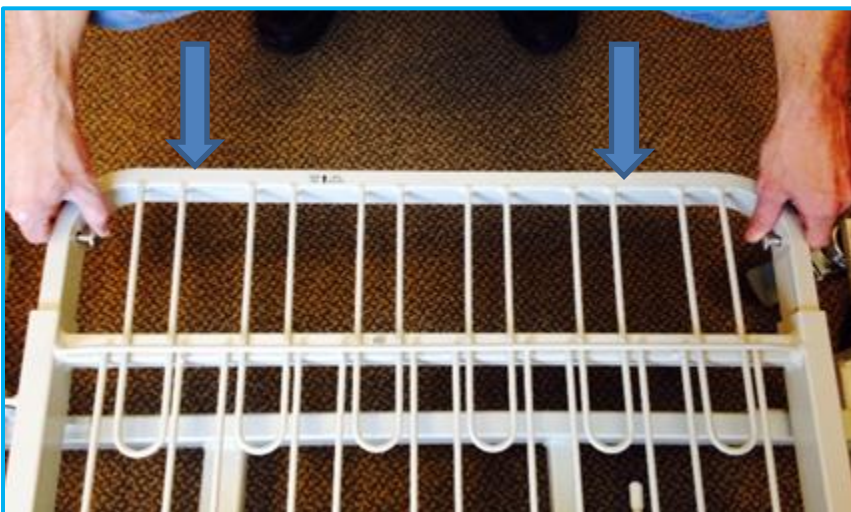
Bed Deck Expansion or Retraction

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

Contact Med-Mizer® customer service at (877) 867-7365 to order parts

PART #	DESCRIPTION	PART #	DESCRIPTION
6195	5 INCH CASTER WHEEL & HUB (Generation 1)	6362	MOTOR EXTENSION CABLE (Generation 1)
6201	LINAK POWER CORD 11 FOOT W/ GROUND CABLE	6429	PENDANT WITH TRENDELENBURG (Generation 1)
6317	½-13 x 1 ½ Zinc Grade 5 Hex Head	6508	C-CLIPS FOR HI/LOW CONNECTION (Generation 1)
6344	PLASTIC END PANELS/COVERS	6947	EX8/Activecare Hi/Low Actuator
6345	BARIATRIC CONTROL BOX (Generation 1)	6948	Hi/Low & Head Actuator
6346	BARIATRIC HI/LOW MOTOR (Generation 1)	6949	Knee Actuator
6351	3 FUNCTION PENDANT (Generation 1)	6956	AC/BARI Handset
6355	ENGLISH OAK BARIATRIC BOARD	6958	Control Box Mounting Bracket
6356	MAHOGANY BARIATRIC BOARD	6959	Actuator Cable 1100mm
6357	LIGHT OAK BARIATRIC BOARD	6964	Actuator Cable Hi/Low Actuators
6358	CHERRY BARIATRIC BOARD	7006	Actuator Cable 750mm
6359	BARIATRIC KNEE MOTOR (Generation 1)	7122	Control Box EX8000 CO61
6360	BARIATRIC HEAD MOTOR (Generation 1)	7253	5" Swivel Caster Total Lock



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.



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