



ActiveCare-Standard

USER MANUAL

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

TABLE OF CONTENTS

Overview		
	Introduction	3
	Intended Use	3
	Safety Information	3
	Specifications	6
	Intended Users	7
	Bed Placement Dimension	7
	Options and Accessories	8
Preparation for Use		
	Unpacking	9
	Assembly	13
	Pivot Alignment	18
	Mattress Installation	20
	Pivot Turn – Opposite Direction	22
	Switching Hand Pendant to Opposite Side	24
Operation		
	Control Options	29
	Bed Transport	30
Maintenance		
	Cleaning	30
	Maintenance and Service	30
	Service Part List	31
Warranty		33

Overview

Introduction

This manual provides instructions for use of the ActiveCare Bed. 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 ActiveCare 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 long and short-term care facilities, and homes.

The bed is intended to support a safe working load of 600 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: IF SYMBOL IS ON BED CONSULT USER MANUAL FOR EXPLANATION**




 **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 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 purchased from Med-Mizer Inc. 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** DO NOT sit or lie on hand control. It can cause unintended movement of the application.
-  **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 accessories.

-  **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** 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 are free and clear of children, inattentive adults, pets, and objects when raising and lowering or pivoting the bed.
-  **WARNING** Do not place body parts or objects under bed or moving part mechanisms. Failure to do so could cause serious injury or equipment damage.
-  **WARNING** Electric drive bed mechanisms can cause serious injury if operated improperly. Operate the bed only when persons are clear of the mechanisms.
-  **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.
- 
CAUTION Clean the hand control regularly to ensure good hygiene standards.

Maintenance and Service Safety

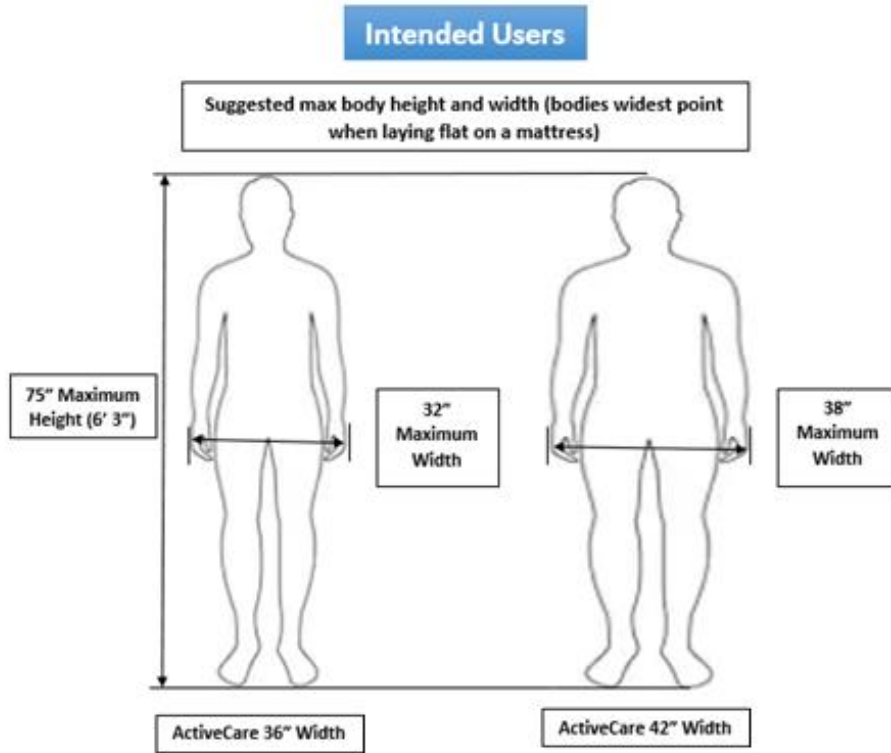
- 
WARNING Before performing bed maintenance or service, unplug the power cord to avoid an electric shock hazard.
- 
WARNING If a fault or problem is found during preventative maintenance inspections, remove the bed from service until the appropriate repair or adjustment is made.

Specifications

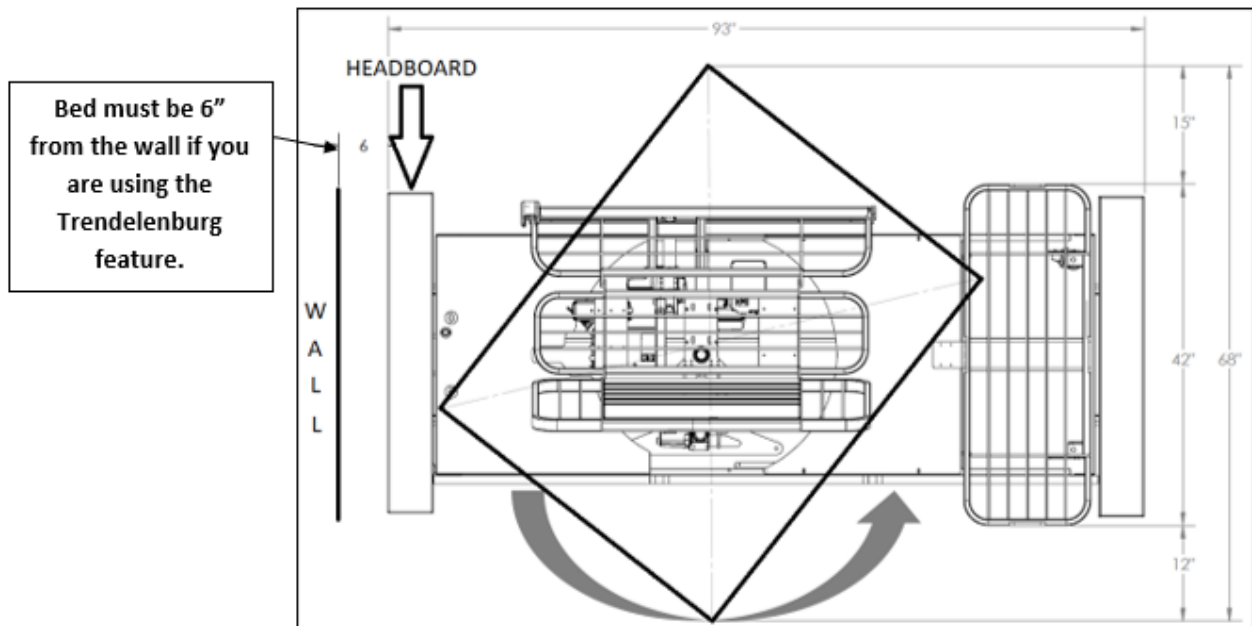
“Low” Deck Height Range	13.5”
“High” Deck Height Range	27.5”
Safe Working Load	600 lbs.
Overall Bed Widths	36", 42"
Overall Bed Length	94.00"
Overall Bed Weight	(36”) 365lbs, (42”) 375lbs
Weight with Standard Boards	(36”), 395lbs (42”), 405lbs

Maximum Head Angle	58° ± 3°
Maximum Head Angle(pivoted)	90° ± 3°
Maximum Knee Angle	29° ± 3°
Power Requirements	120 VAC, 50 Hz
Maximum Current Draw	4.5 amps
Controller Output Voltage	24 VDC

Intended Users



Bed Placement Dimensions



Options and Accessories

- UD Rails (1/4 rails for head)
- Pivoting Assist Bars (not available on same side of bed as Mobility Bar)
- Mobility Bar
- Trapeze
- Battery Backup
- Trend/Reverse Trend Handset

End Boards



Headboard and Footboard Finish Options

Custom Headboard and Footboards Available

Unpacking (If Shipped LTL/Commercial)

Tools Required:

- Utility knife/side cutting shears
 - ½" Socket with ratchet/impact driver
 - 9/16" Wrench
1. Carefully remove outside box and shrink wrap with utility knife. *(Do not puncture boxes or mattress)*



2. Cut the three straps holding the boxes and



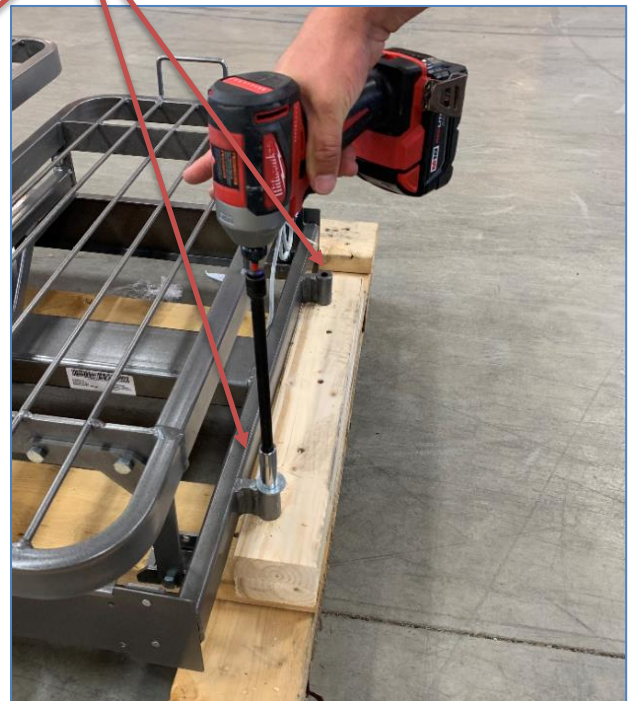
3. Remove boxes and mattress and put them off to the side.



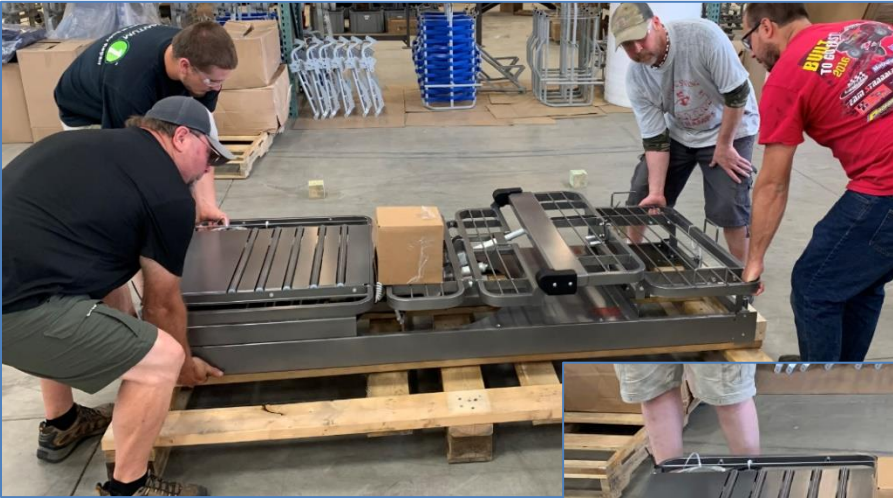
4. Unbolt the four anchor bolts on each end of the bed.



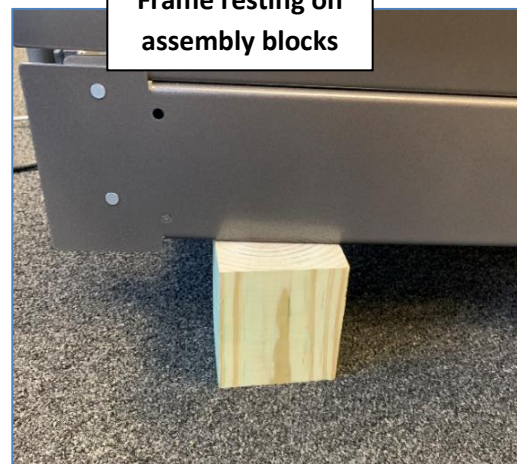
Anchor bolts



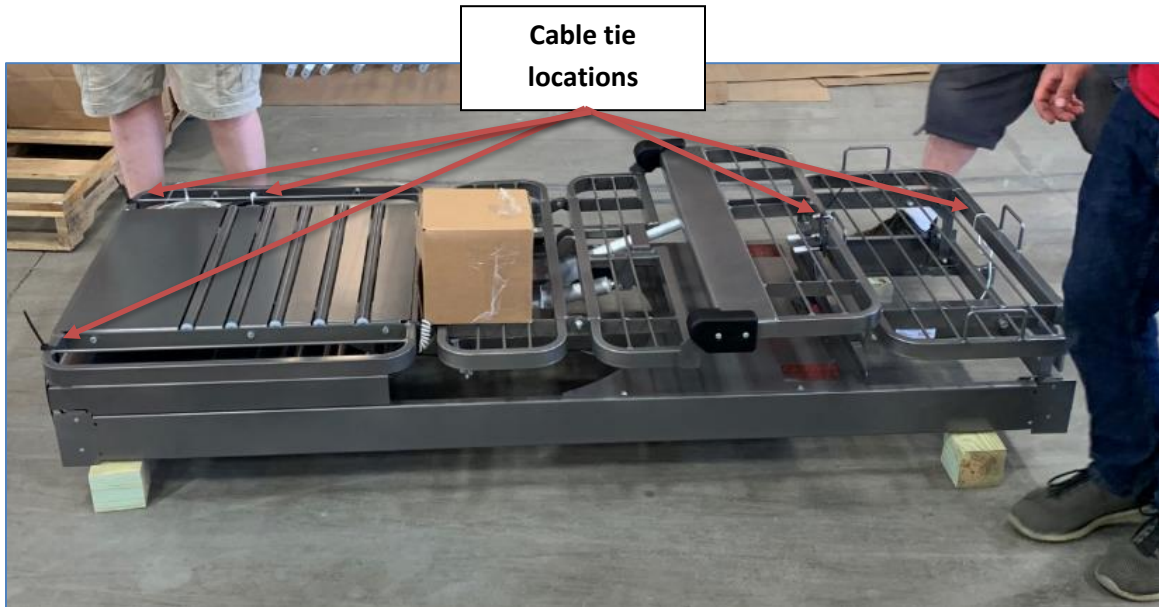
5. Lift bed off pallet and put on installation blocks (*installation blocks included with bed, in small box*).



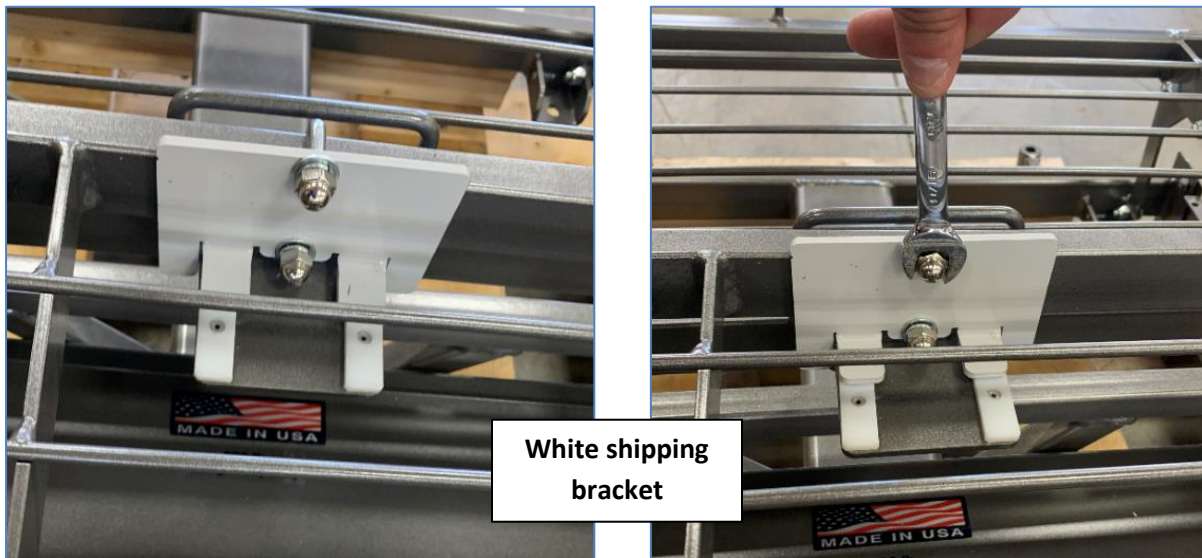
Frame resting on
assembly blocks



6. Remove cable ties from frame.



7. Remove white shipping bracket from frame. *(use 9/16" wrench)*



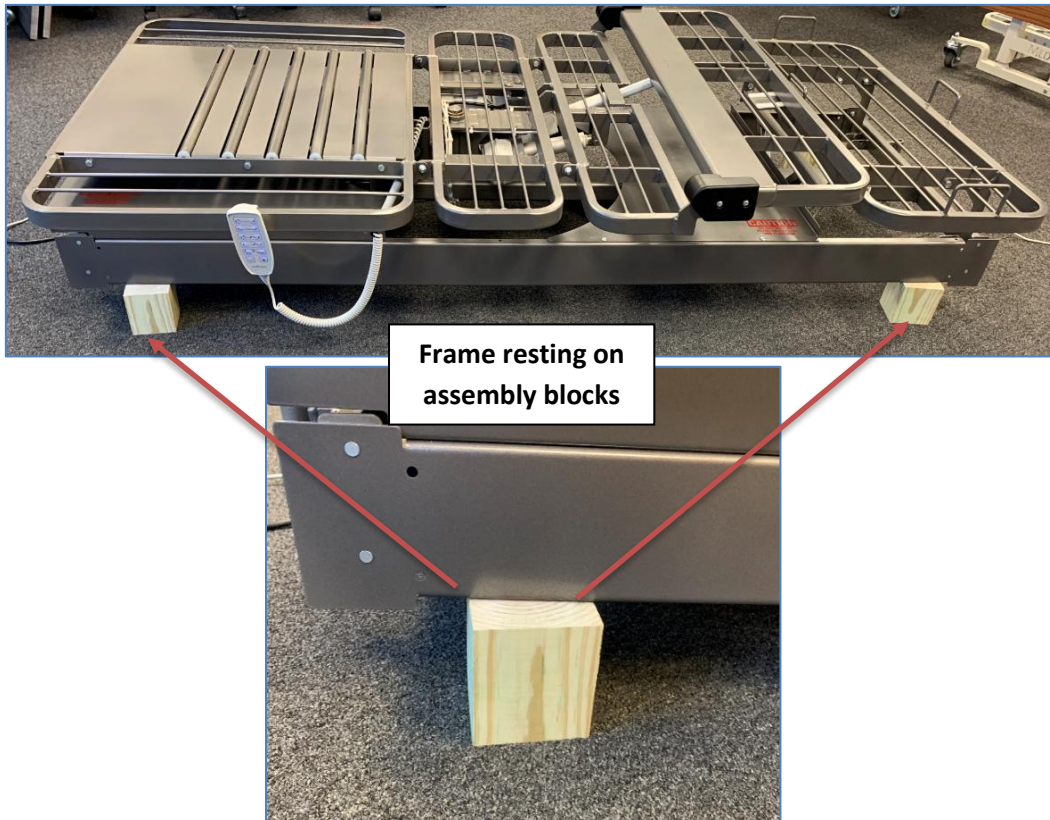
8. Remove Pendant from box

Assembly

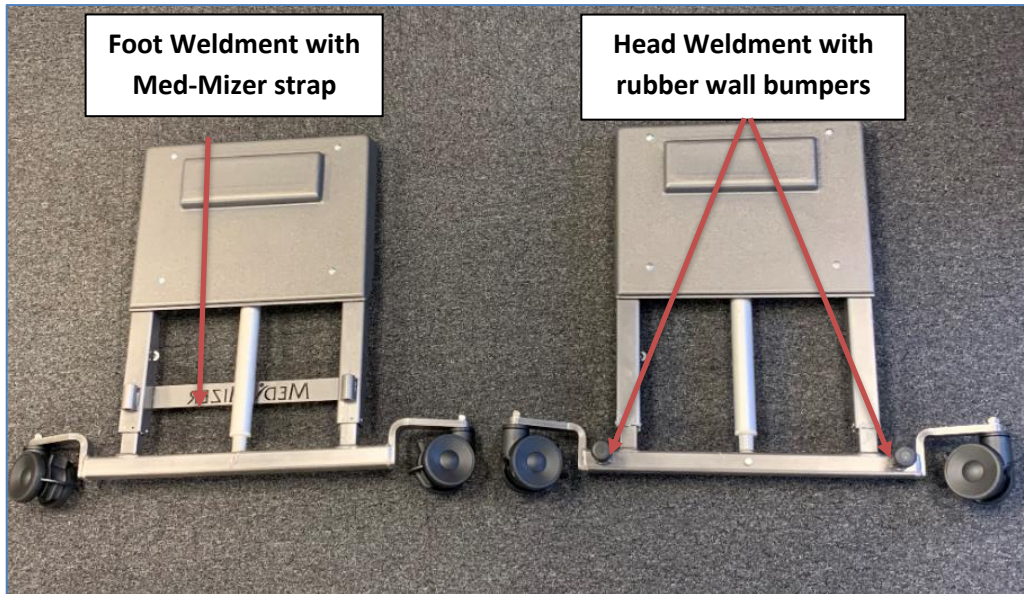
Tools Required:

- 5/8 Wrench
- 5/8 Socket
- 6" Socket Extension
- Ratchet/Impact Driver
- Side Cutters

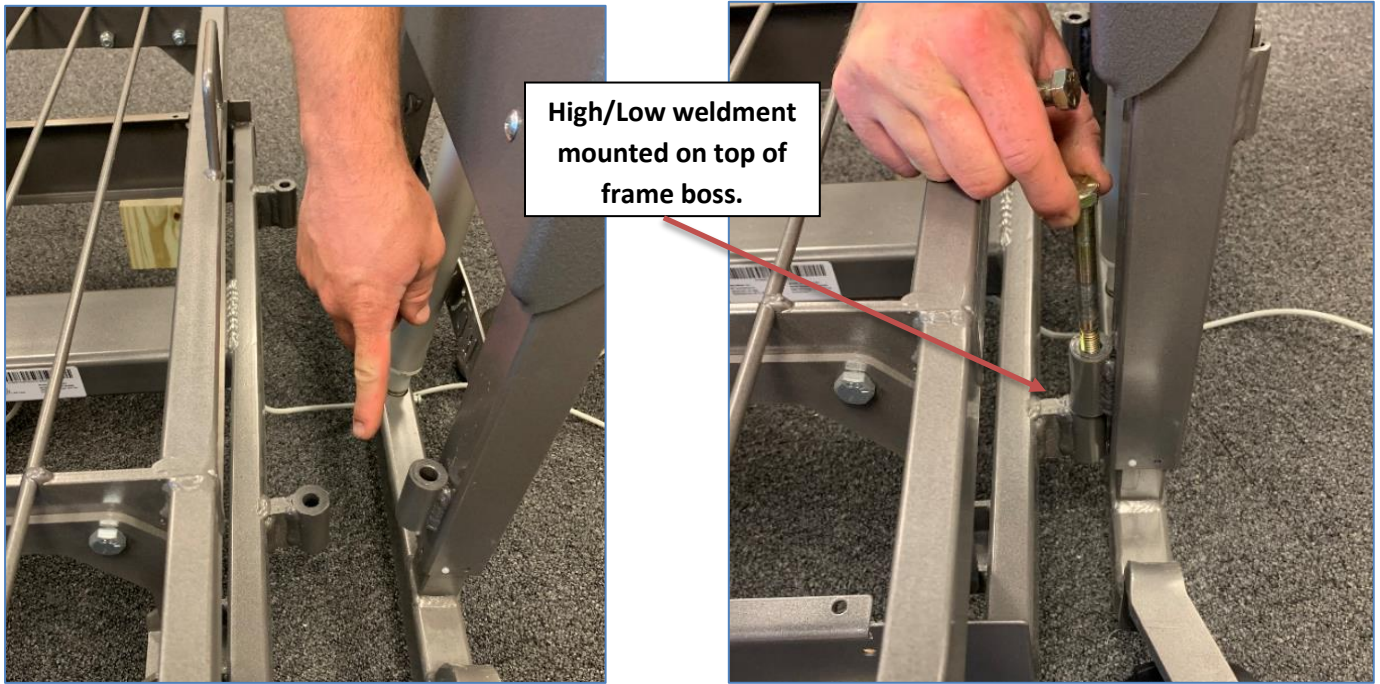
1. Begin with bed frame resting on installation block. (as seen in unpacking instructions)



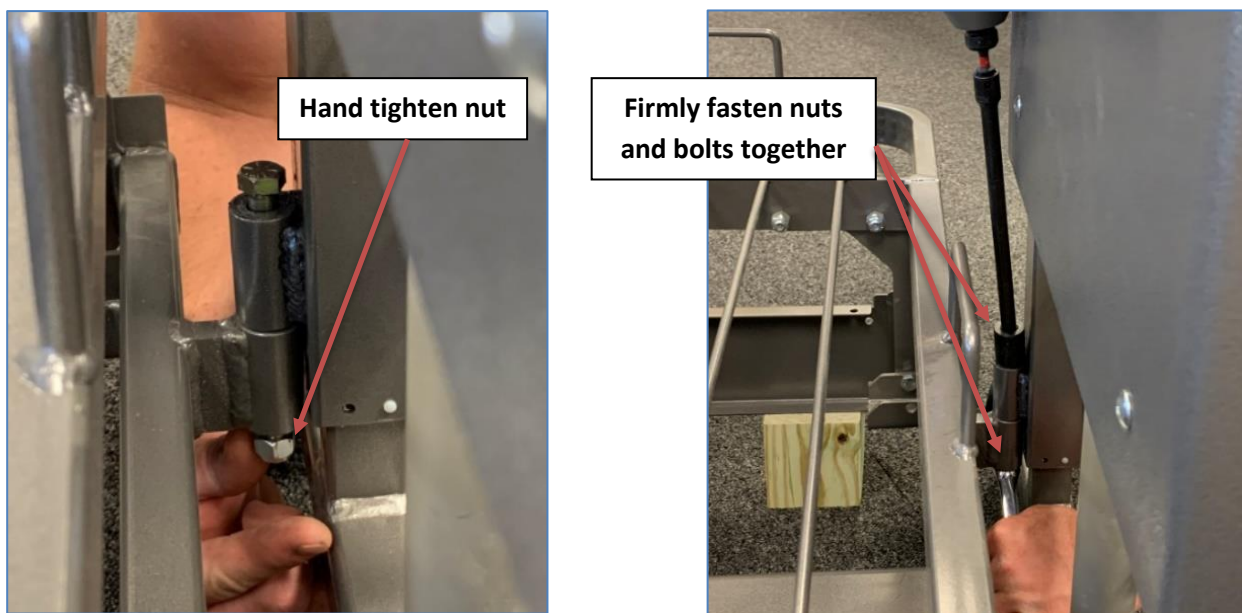
- Determined which high/low assembly goes to the head and foot of the bed. The foot weldment has the Med-Mizer logo welded on the bottom, and the head weldment has wall bumpers at the bottom of the weldment.



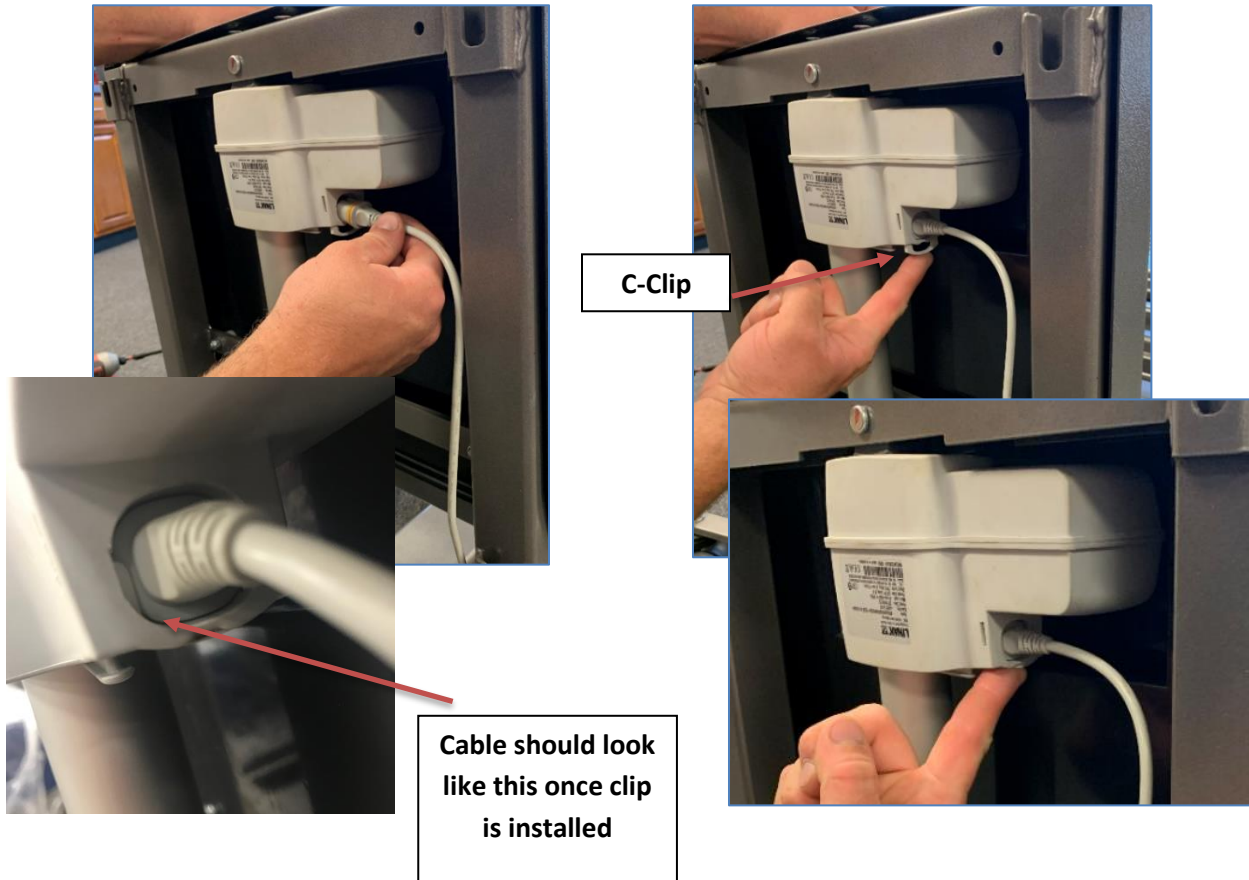
3. Install high/low weldments to the frame using the bolts and nuts provided. The high/low assembly bosses must go on top of the frame bosses.



4. Hand tighten nuts to each bolt and fasten firmly using the 5/8" ratchet/impact and 5/8" wrench.



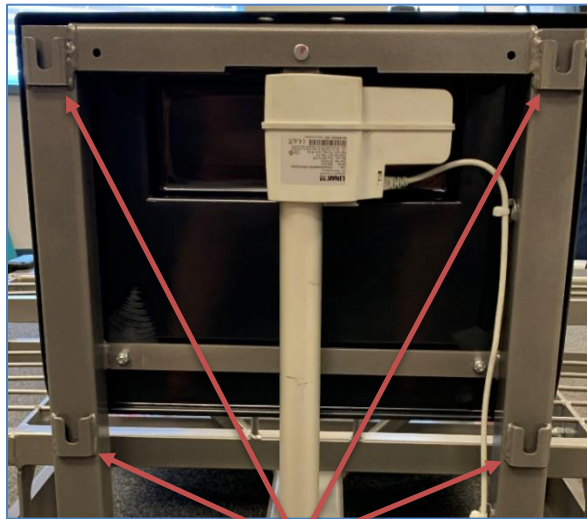
5. Install motor extension cable into actuator. Ensure cable is full inserted then install c-clip.



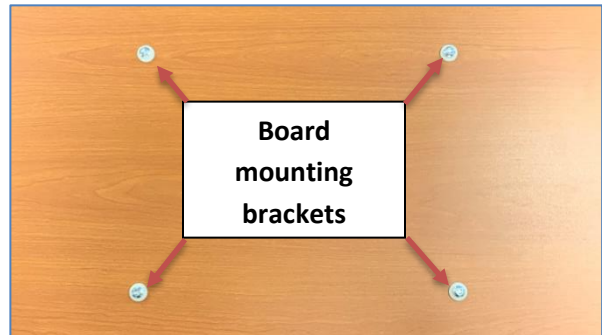
6. Zip tie cable to the two attachment points and cut excess.



7. Install head/foot board to the weldment. Slide board mount brackets down into channel brackets.



**Channel
Brackets**



**Board
mounting
brackets**



**To secure in place
push down on board
until it stops**



**Installed
Board**

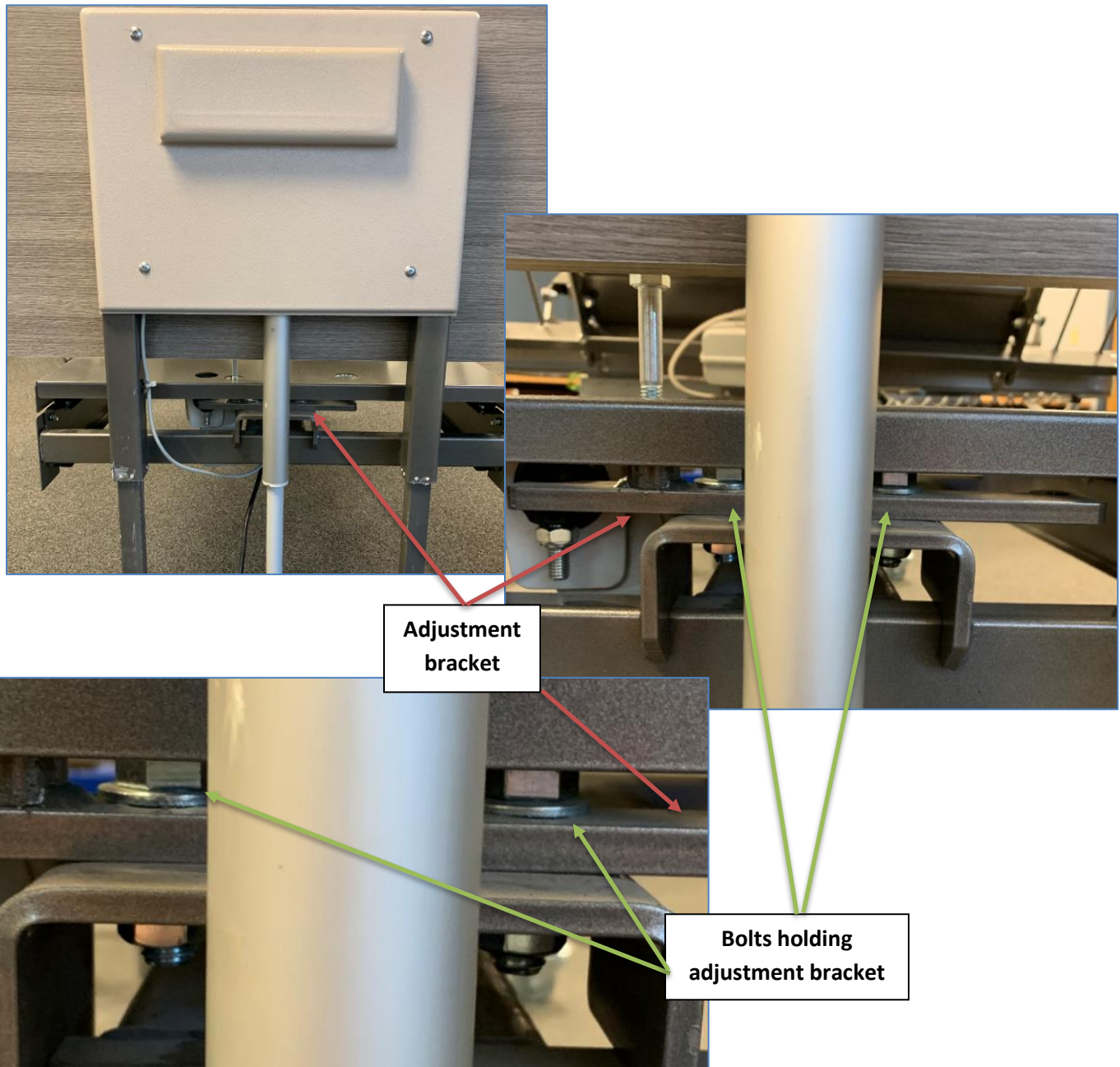
8. Repeat steps 3 through 7 to install opposite end high/low weldment.

Pivot Alignment *(If Needed)*

Tools Required:

- (2) ¾" wrenches

1. Go behind the headboard of the bed and find the adjustment bracket and the two bolts.



- Using the two ¾" wrench loosen each bolt ¼ turn, do not fully disassemble. Once loose, straighten the bed out. View images below to see incorrect alignment and correct alignment. The pivoting and fixed sections of the bed should be parallel. Once straight retighten the bolts.



**Incorrect
Alignment**



**Correct
Alignment**



Mattress Installation

1. Using the auto-contour button raise the head and leg section of the bed.

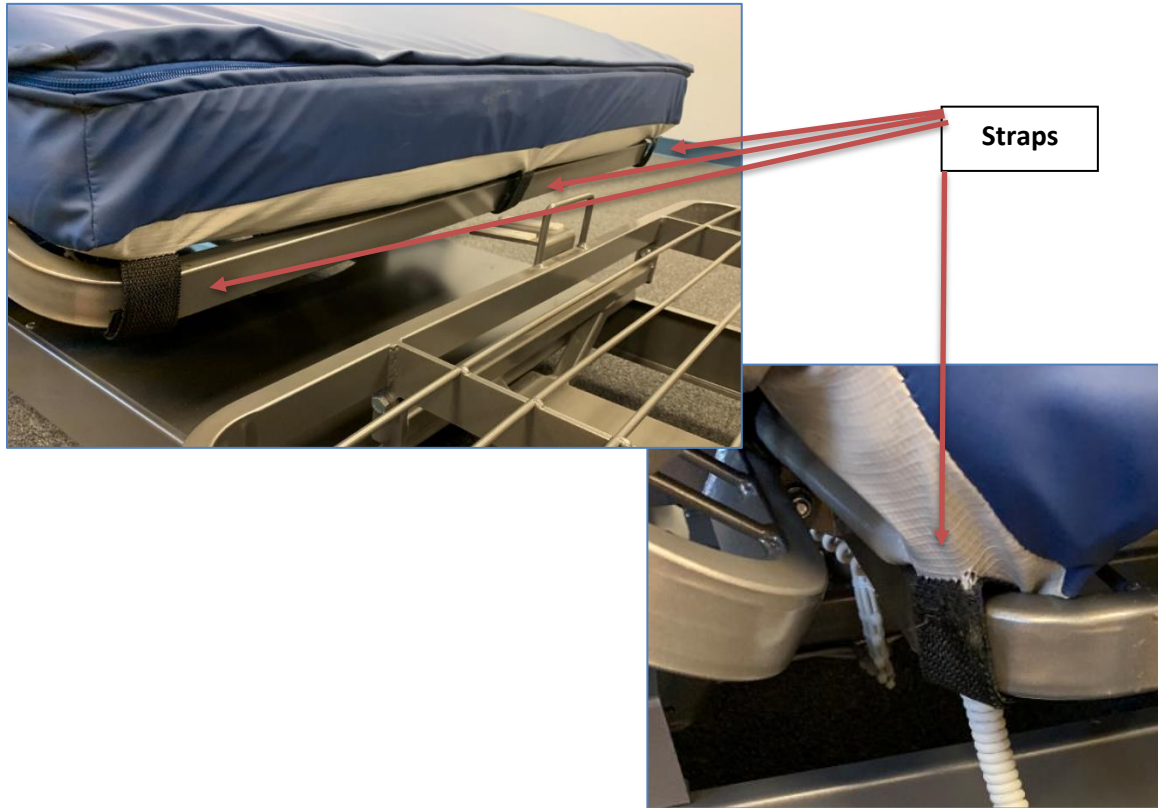
Strap attachment points



2. Locate the straps on the back of the mattress.



3. Place mattress on bed and Velcro the straps to the sleep surface.



4. Install foot portion of the mattress with the slope going towards the foot board.



Pivot Bed Turn Left (*factory installed to turn right*)

Tools required

- 17mm wrench
- 17mm socket
- Drill/Impact

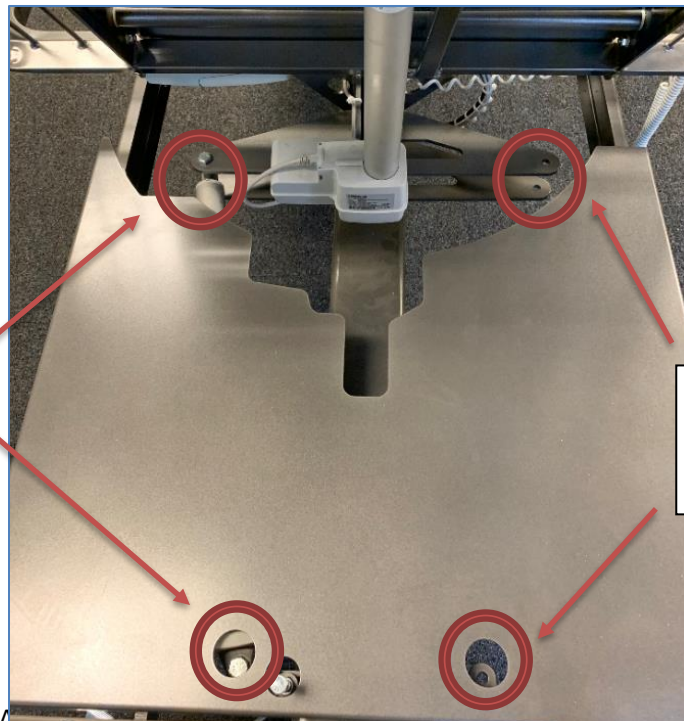
1. In the bed position, raise the height of the bed and head of the bed to its highest point.

Bed and head section
raised all the way up

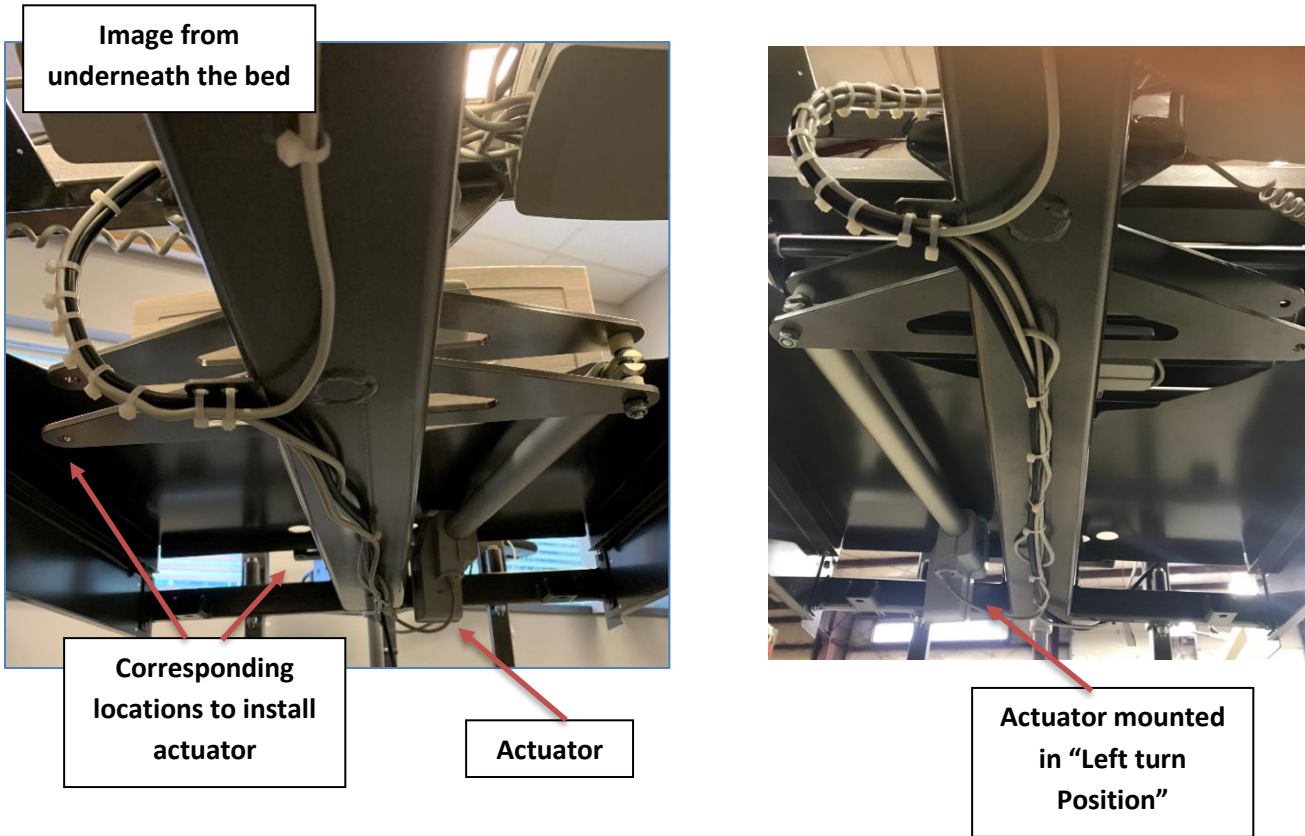


2. Locate and remove the two bolts pictured below that hold the actuator into place. Once removed, install the actuator to the corresponding holes on the opposite side of the bed.

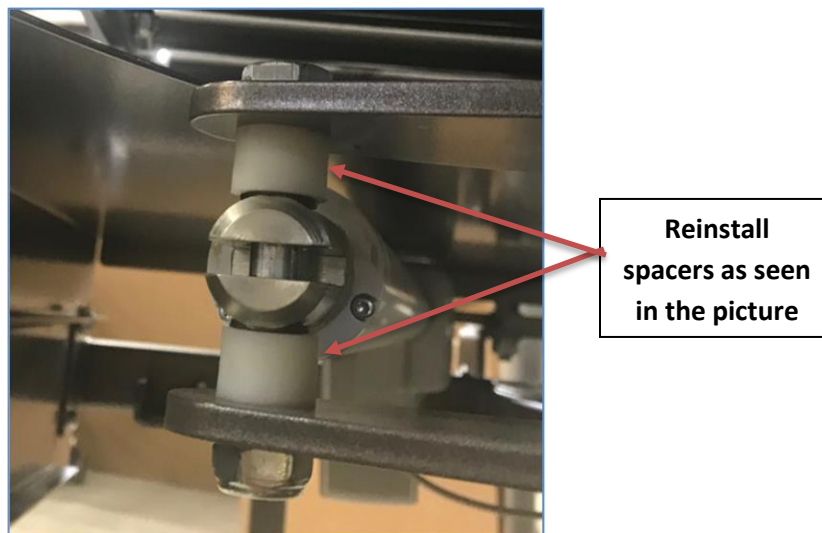
Remove bolts
using 17mm
wrench and socket



Corresponding
locations to install
actuator



3. Install spacers and fasteners back in actuator mounts. Tighten the fastener so that the bolt comes through the nylon nut but do not overtighten or the actuator will bind causing damage. Actuator should pivot freely.



Swapping Hand Pendant (factory installed to the Left side of bed)

Beds without Trendelenburg handset

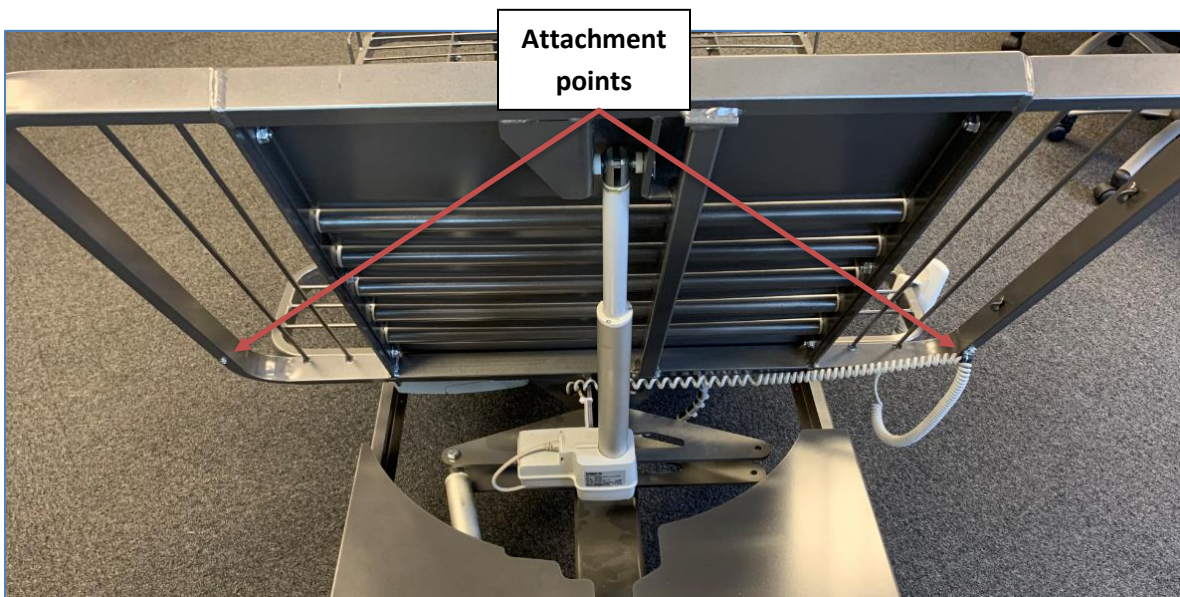
Tools Required

- 5/16" Socket
- Impact driver/ratchet

1. Raise head of the bed all the way up and locate pendant.

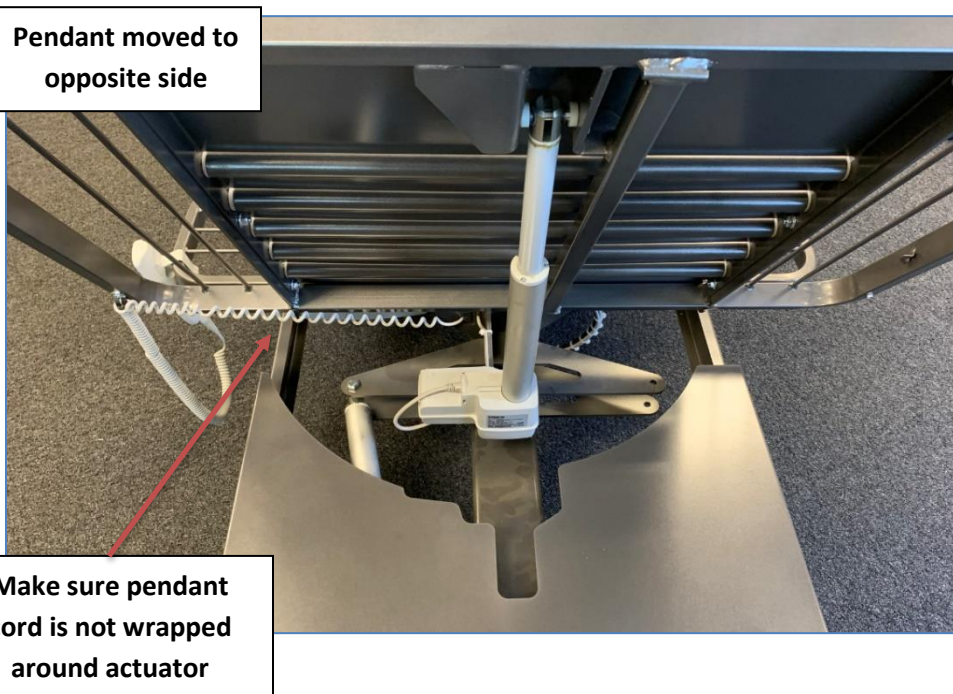


2. Locate the two attachment points for on the back of the head section.



3. Unscrew the pendant clip and move to the opposite side of the head section.

Note: Ensure pendant cord is not wrapped around the head actuator

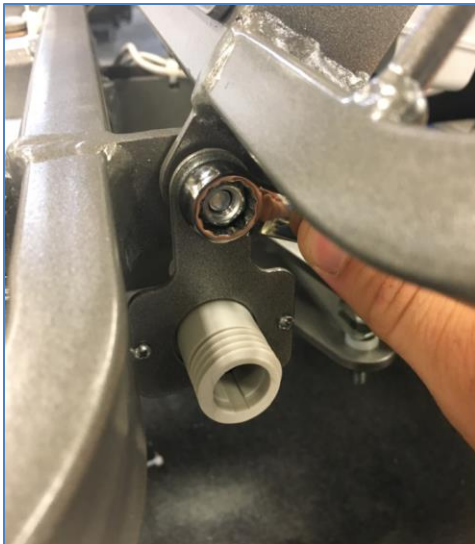


Bed with Trend Handset:

1) Remove wire clamp from bottom of head sleep surface using a 5/16 socket. And unplug pendant.



2) Using two 1/2-inch wrenches, remove the nut from pivot bolt for the head sleep surface. Remove the pendant cable mounting plate from the bolt and replace the nut and re-tighten.



3) Cut the cable tie pictured to release excess cord.



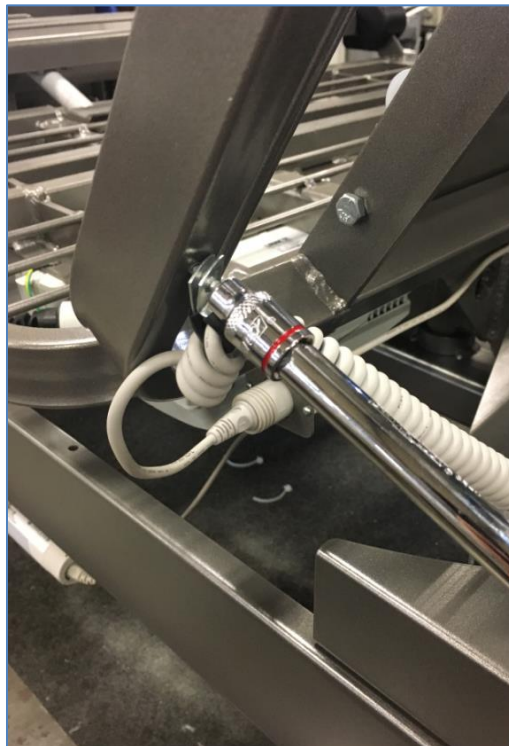
4) On the left side of the bed, remove the pivot nut using two 1/2-inch wrenches as done on the right side. Route the pendant cord to the left side of the bed in the same fashion as pictured and hang the mounting bracket on the bolt. Re-tighten the nut while keeping the mounting bracket hanging straight down.



5) Using a cable tie, remove the extra slack in the cable by fastening it in the same location as the excess cable was tied originally. Be sure the cable slack is removed where it is routed across the bed to prevent the cable from being pinched during normal bed operation.

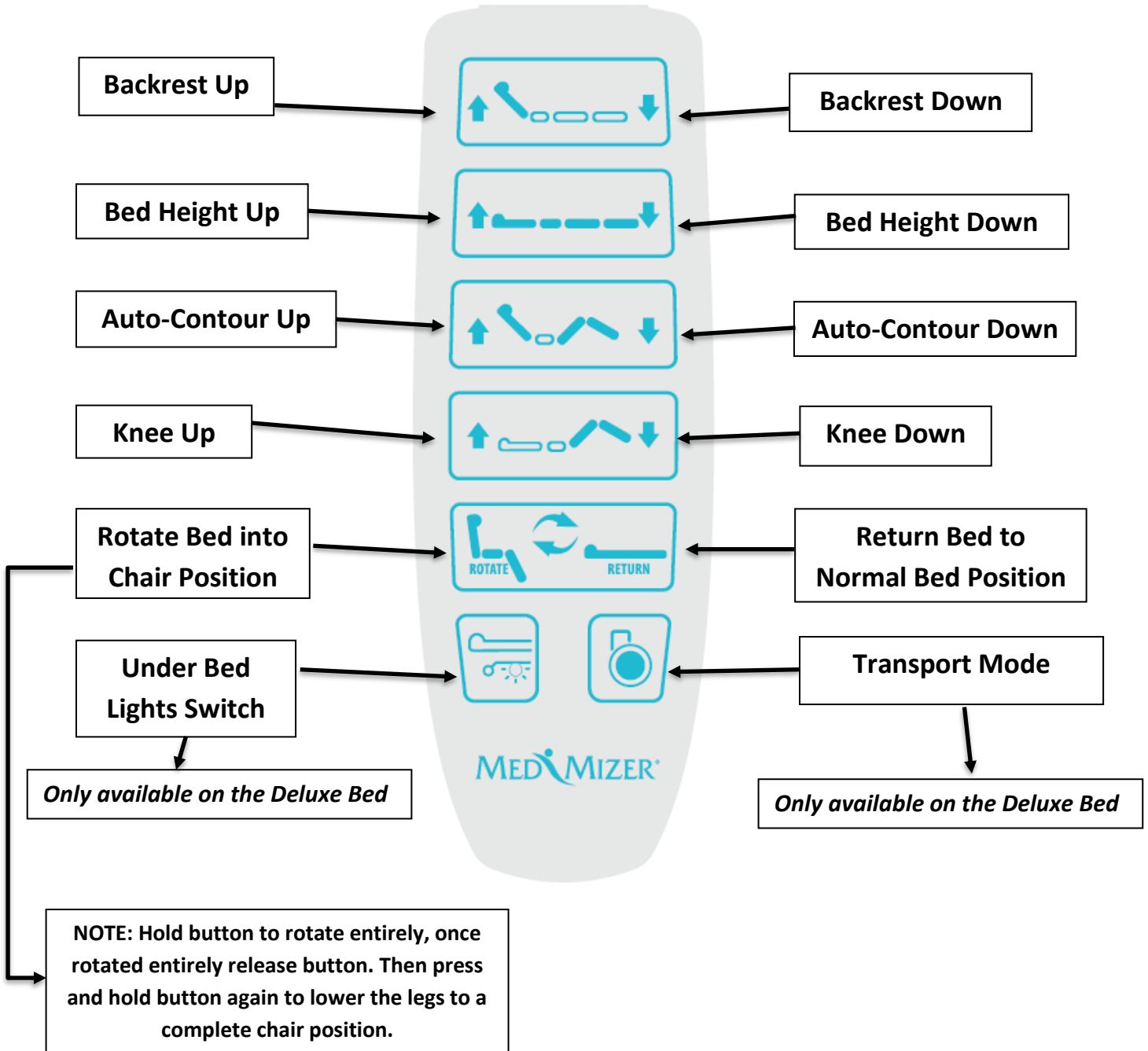


6) Plug pendant back into the cord. Using a 5/16 socket, remove the self-tapping screw located under the head sleep surface rail on the left side of the bed.



Control Options

Hand Pendant Control



Bed Transport

To transport an unoccupied bed, unlock the casters and use the footboard or headboard to move the bed, do not move the bed using the rails, handheld pendant or assist bars as handles. When bed is moved into intended space, lock casters.

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

⚠ CAUTION: Never operate bed while casters are unlocked.

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
6201	LINAK POWER CHORD 11 FOOT W/ GROUND CABLE (912143)
6947	HI/LO BARIATRIC ACTUATOR (400504000A0M0G26+12DB16134200)
6948	HI/LOW & HEAD (400402500A0M0G26+31DB142322000)
6949	KNEE ACTUATOR (400400550A0M0B26+11DB129342000)
6950	PIVOT ACTUATOR (400904000A0M0G26+11DB161332000)
6951	LEG ACTUATOR (400401300A0M0B26+11DB130012000)
6952	CONTROL BOX (CO61-U047-01)
6955	HB8X348-00 Active Care Handset Full
6958	CONTROL BOX MOUNTING BRACKET (1015W1001-C)
6974	POWER JUNCTION BOX - PJ2+19200S00000
7006	ACTUATOR CABLE HEAD/KNEE MOTOR 750MM (00914681-750-B)
7007	ACTUATOR CABLE PIVOT MOTOR 1575MM (00914681-1575)
7008	ACTUATOR CALE LEG MOTOR 600MM (00914681-600)
7009	ACTUATOR CABLE HI/LOW 3100MM (0965344-A)
7058	COVER, KNEE PIVOT LEFT
7059	COVER, KNEE PIVOT RIGHT
7213	4" DUAL WHEEL TOTAL LOCK CASTER BLACK
7174	CHERRY BOARD
7175	RIFT OAK BOARD
7176	OBSIDIAN BOARD

Troubleshooting		
Issue	Potential Cause	Potential Correction
The bed does not respond to the remote control.	The remote control is not connected properly.	Reinstall the remote into the female port in the center of the control box or on the head section pivot for beds with Trend
The remote is installed, but still no functions.	Defective Remote Control	Replace remote with all cables needed.
	Loose actuator connections	Ensure all actuators and cabling are connected properly.
	Defective Control Box	Replace control box
Only some of the functions work but not all.	Actuator cable is loose	Reinstall actuator with c-clip
	Actuator is damaged	Replace actuator
	Remote control is defective	Replace hand control
	Defective Control Box	Replace control box
Bed makes beeping sound with no function.	Motors need to be re-initialized	See "Motor Re-Initialization" in manual

Control Box Reinitialization *(If needed)*

To reinitialize the bed, hold down the Head up and down control buttons for 10 seconds until the beeping stops (first row of buttons on pendant.) This will reset the control box. Once this is reset the bed will need to be initialized. To perform this, hold the auto contour up button (third row of pendant) several seconds until the head and leg raise up slightly, then hold the auto contour down button until the bed returns to the flat position. Once the bed is flat hold the caster button (bottom right button) until the bed lowers completely. Once the bed is all the way down raise the bed back up several inches using the Bed height up button. At this point the bed should be reinitialized and should function properly once raised back up.

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: 2 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.