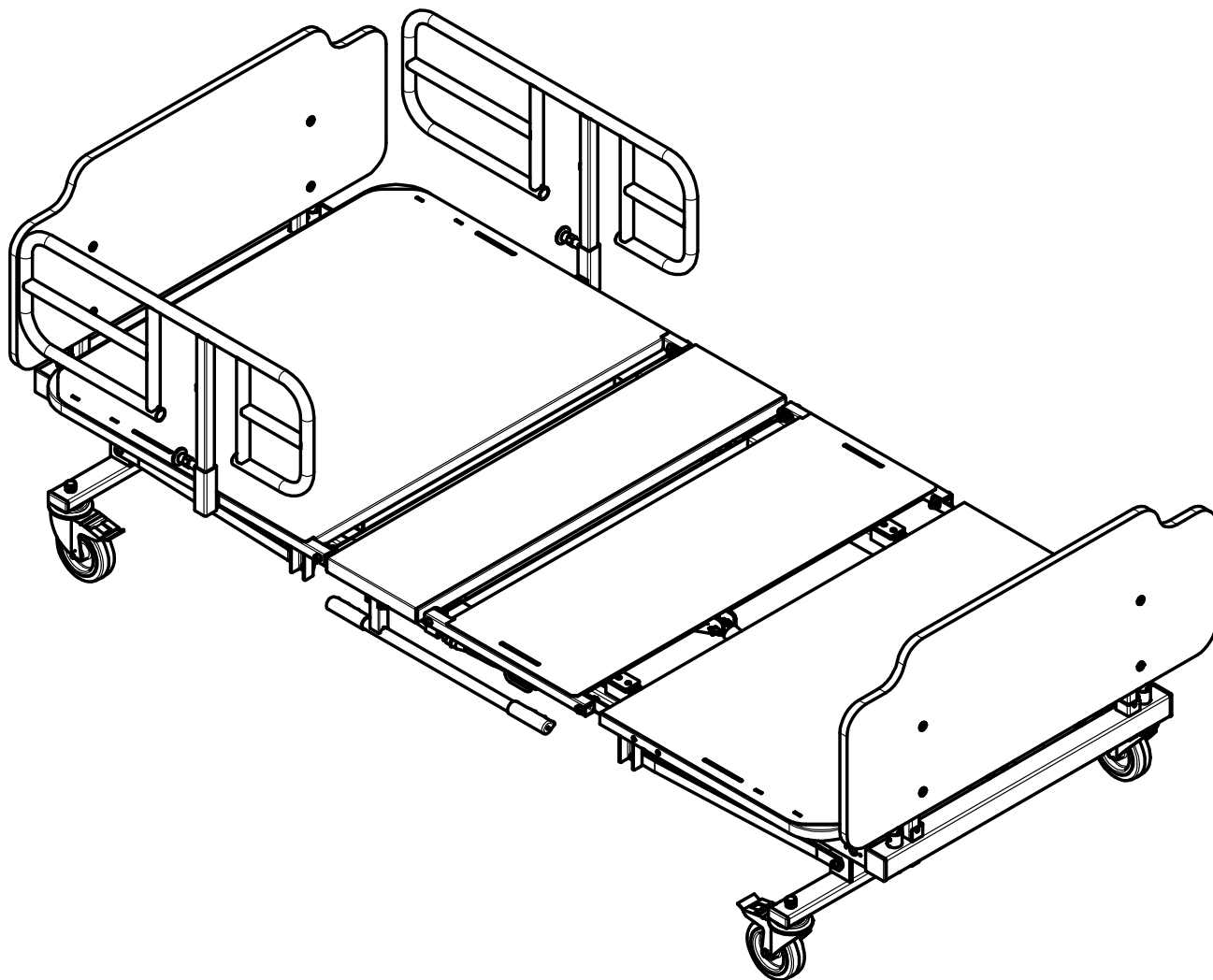


GENDRON BARIATRIC HOMECARE BED

Models: 3639 and 3648

Owner's Operation Manual



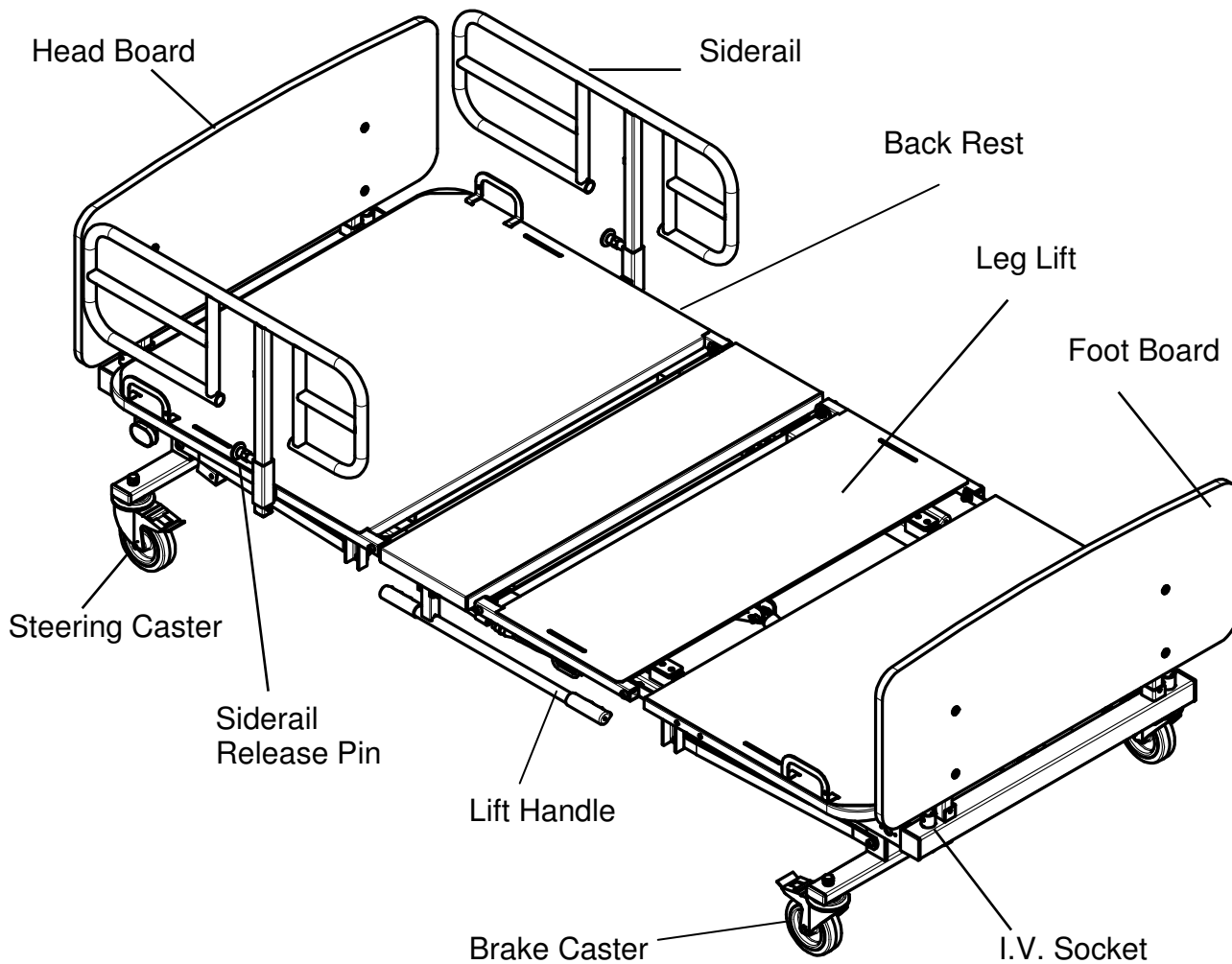
Gendron, Inc.
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Bryan, Ohio 43506
PHONE (800)-537-2521

GENDRON 
Bariatric Rehab Leadership

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Parts Locator



Warning, Watch for Pinch points

Keep fingers, arms, legs, and objects clear of bed when any mechanism is in motion. Make sure all persons and objects are clear of the bed when raising or lowering.

Safety Precautions



Warnings and Cautions

You must follow these warnings and cautions. Failure to observe these safety precautions may result in personal injury or mechanical failure.
Read all instructions carefully before using the bed.

- Always raise the side rails whenever the patient is lying on the bed.
- Always lock all casters and align parallel to the patient before use.
- Take special care to lock the casters securely when articulating the bed or when transferring the patient to or from the bed.
- Do not confuse the head end and foot end of the bed when placing the patient in the bed.
- The mattress should be sufficiently wide enough to prevent any part of the patient's body from falling between the side rails and the mattress.
- **Make sure all persons and objects are clear of the bed when raising or lowering the bed. Do not place arms or head into frame while operating.**
- **Moving parts. Keep fingers, arms, legs, and objects clear of bed when any mechanism is in motion.**
- Keep all objects out from under the bed. Certain parts under the bed raise and lower when the bed is in motion. Make sure there is nothing under the bed to interfere with proper bed operations.
- Do not allow the patient to sit on the bed when it is in the highest position. Lower the bed to the lowest position before allowing patient to sit on the bed.
- Equipment not suitable for use in presence of flammable mixtures
- Bed should be left in its lowest position when unattended in order to reduce the risk of injury due to falls while getting into or out of the bed, or while lying on the bed.
- When a patient's condition could lead to patient entrapment, the mattress support platform should be left in the flat position while unattended.
- Handset must not be accessible to the patient.
- Bed does not provide Trendelenburg position.

Intended Use & Product Description



Warnings and Cautions

You must follow these warnings and cautions. Failure to observe these safety precautions may result in personal injury or mechanical failure. Read all instructions carefully before using the bed.

- **Weight Limit:** Never exceed the safe working load of 650 pounds. Exceeding weight limit may cause bed to fail. The capacity is on the head end of deck and on the serial number label. Safe working load includes the weight of the patient, the mattress, and any accessories.
- **Power Requirements:** Electrical hazard may occur if device is plugged into inadequate power supply. A power source of 120 VAC 60 Hertz with a capacity of at least 2.7 Amperes must be available to operate the bed.
- Do not service this device without first unplugging the power cord.
- Make sure the control module and the handset cords are clear of any obstructions and do not allow any cords to get caught in the moving members of the bed.
- Do not operate this device if the power cord or any of the cords between the control module and the associated parts are cut, frayed or loosely connected.
- Do not use a bed with any missing or damaged parts.

Intended Use & Product Description

3-Function Hemecare Beds are designed for bariatric patients. The bed is ideal for long term use in the home or nursing care centers. It is intended for all age groups with varying medical and physical conditions. Total safe working load of the bed is 650 pounds.

THREE 3-FUNCTIONS

1) Raise and lower head 2) Lift and lower leg and foot section 3) Elevate bed height

- Functions are powered by 24-volt DC electric actuators.
- Power plug: Three-prong hospital type plug, grounding meets NFPA standards.
- Construction: Constructed primarily of powder coated steel.
- Side Rails: Two position, drop down style.
- Casters: Heavy Duty 5 inch casters. Two individual locking-type (head end) and two steer type (foot end)
- Accessory sockets: One IV socket on each corner of bed.
- Delivery: Bed frame is disassembled into two sections for handling.

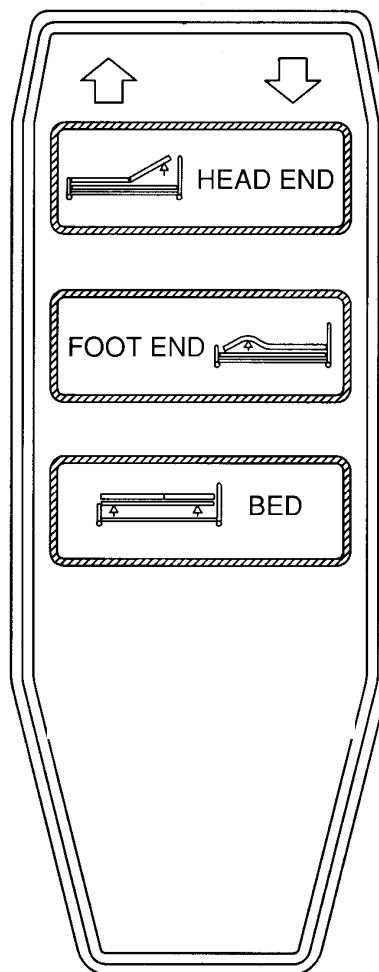
Function & Basic Operation

The **Three-Function Homecare Bed** has electric drive actuators to operate the back rest, the leg lift, and to raise and lower the bed. To control the positioning on these beds use the 6-button, 3-function handset.

HEAD UP ↑ and HEAD DOWN ↓ buttons
raise and lower backrest (head end)

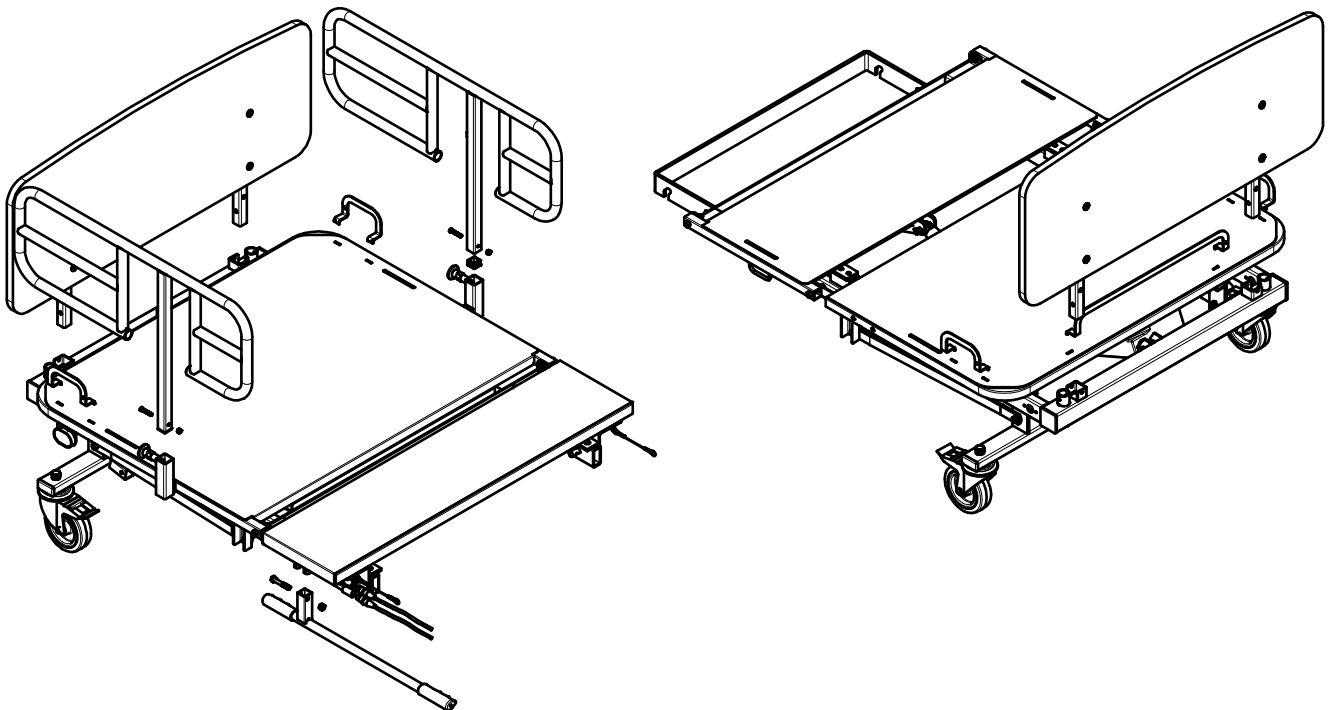
The FOOT UP ↑ and FOOT DOWN ↓ buttons
raise and lower knee and leg sections

The BED UP ↑ and BED DOWN ↓ buttons
raise and lower the bed



Assembly Instructions

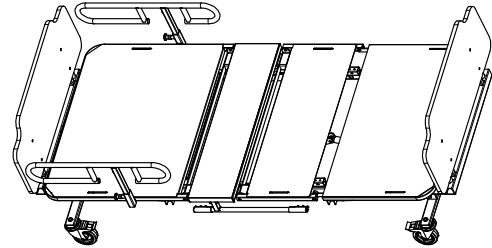
1. Install the headboard posts in the square sockets provided at the head end with the board closest to the mattress as shown below.
2. Install the footboard posts in the square sockets provided at the foot end with the board away from the mattress as shown below.
3. Install the siderails as shown below. Attach the screw and lock nut to siderail after inserting into the bed frame.
4. Install the lift handle with bolt and lock nut. Be sure that lift handle is in the correct orientation (see picture below).



Setup Instructions

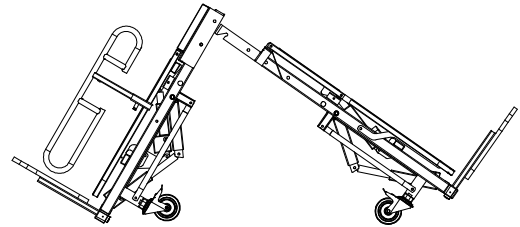
To Assemble:

Step 1. Lock head & foot end casters parallel to frame & oriented as shown.



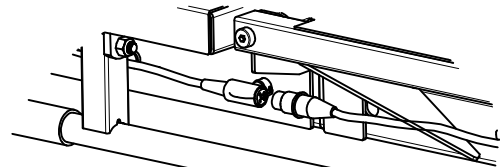
Step 1

Step 2. Move bed into position as shown and hook foot end frame over head end frame round bar.



Step 2

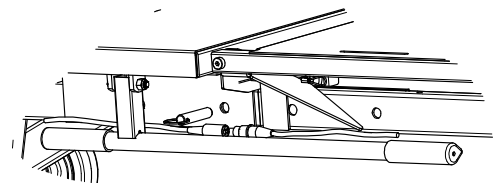
Step 3. Connect both actuator cables from foot end of frame to head end of frame.



Step 3

Step 4. Swing lift handle out and slowly lower bed. Keep both hands on handgrips until bed has been completely lowered to reduce the risk from pinch areas.

Step 5. Insert quick release pins on both sides of frame.



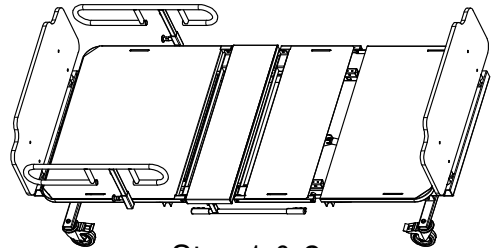
Step 5

Setup Instructions

To Disassemble:

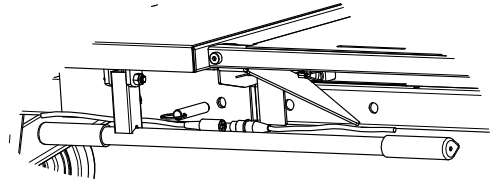
Step 1. Completely lower bed and all bed sections.

Step 2. Lock head & foot end casters parallel to frame & oriented as shown.



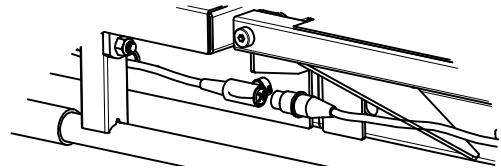
Step 1 & 2

Step 3. Remove quick release pins on both sides of frame.



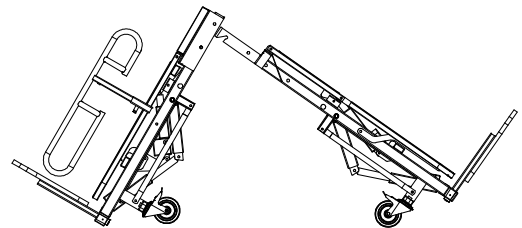
Step 3

Step 4. Disconnect both actuator cables from foot end of frame to head end of frame.



Step 4

Step 5. Swing lift handle out and slowly lift bed. Keep both hands on handgrips until bed has been completely lifted to reduce the risk from pinch areas.



Step 5 & 6

Step 6. Lift foot end frame away from head end frame.

Setup Instructions

Perform the following checks before using the bed:

1. Do a careful walk around inspection of the bed. Look underneath the bed to make sure there is nothing stored there. This area must be kept clear to avoid any interference with bed parts which move during operation.
2. When bed is in high position, bed should not be placed against a wall. Completely raise and lower bed to verify that the bed frame will not contact a wall during use.
3. Lock the casters (two individual lock and two steering control type casters) rotate steering casters until they lock in place.
4. Plug in the power cord. Using the handset, cycle the bed through all of its operations. Make sure that everyone (including you) is clear of the bed during these operations. See that:
 - a) All powered bed operations work smoothly and stop in the desired position.
 - b) Bed height, angle of the leg lift and backrest can be adjusted as desired.
5. Position the side rails. Be sure they slide up and down properly.
6. When you are satisfied that the bed is operating properly, instruct all personnel who may be involved in the bed operation.

If problems are found, contact Gendron customer service at 800-537-2521.

Operating the bed

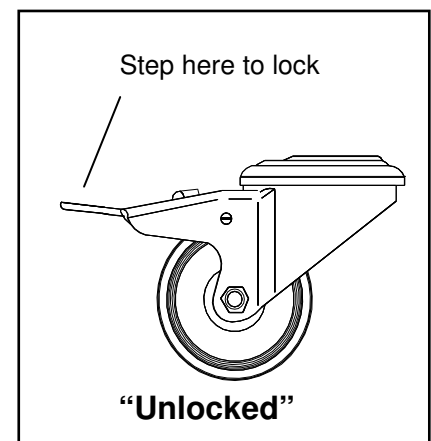
Steering the bed

The bed can be steered in two modes, with the steering locked or with all four casters able to move independently. The two casters on the foot end are the “steer” control type.

Foot end: Using the steering lock function

The steering lock function allows you to easily steer the bed in a straight line.

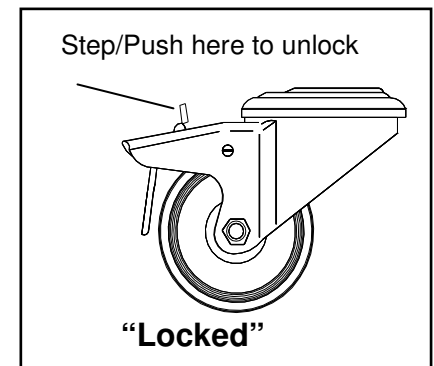
At the foot end of the bed, step down on the front of either caster pedal until it clicks, then move the bed in a straight line about 3 feet backward or forward to lock. This action will keep the caster from swiveling and allow better forward and backward movement. The bed can now be moved with greater stability. Push the bed from the foot end. Do not lock the other steering caster.



Using the 4-caster free function

To allow the bed to be rolled alongside a stretcher, unlock all four casters.

To unlock, step down on the back of the control pedal on each caster as shown in the illustration.



Locking the Casters

The locking function holds the bed motionless when the bed is parked. Lock all casters when transferring the patient to and from a bed. Casters are the individually locking type. For stability when parking the bed, the casters should be positioned parallel to the frame.



CAUTION

The caster lock is not designed to stop a bed that is in motion. Do not operate the caster control pedal while moving the bed, otherwise an injury or accident may occur.

Operating the bed

Upright Back Position

The Backrest stops at any angle between 0 degrees (horizontal) position and an upright position of about 50 degrees.



Warning

Before operating the backrest, always ensure that casters are locked. Otherwise an accident or injury may occur.

Leg Position

The Leg position stops at any angle between 0 degrees (horizontal) position and an upright position of about 30 degrees.

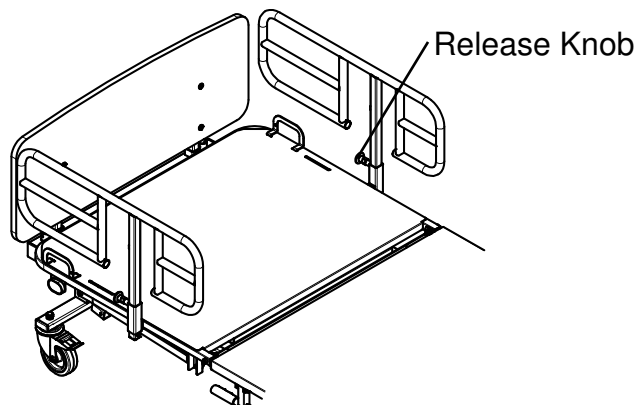
Hi-Low Adjustment

The Hi-Low adjustment stops at any mattress pan height between 15 ½ inches to 32 inches.

Siderail Adjustment

Side rails are located on each side of the bed. Side rails have a 2-position vertical adjustment.

To raise or lower side rail, grab top section of rail with one hand while pulling the Release Knob with the other hand. Pull side rail up or down as required. Allow the Release Knob to spring back into locked position.

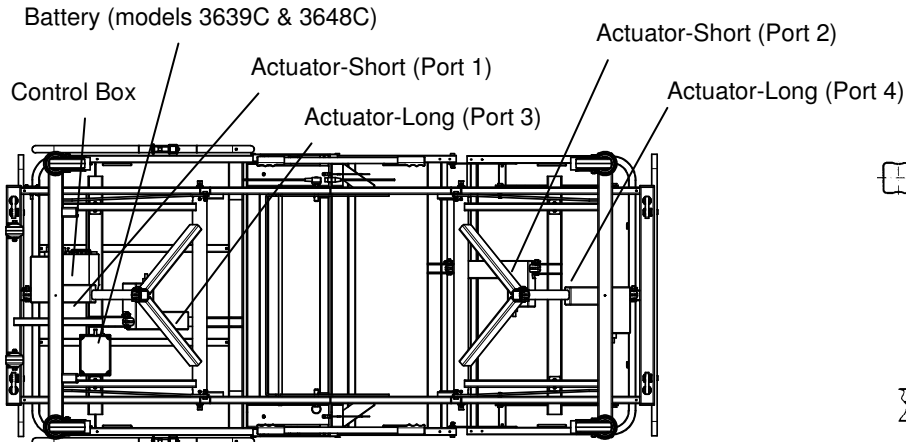


WARNING

Make sure side rails are securely locked into position. Otherwise an injury or accident may occur.

Actuators, control & handset

Bottom view of bed



LINEAR ACTUATORS

The bed is equipped with 24V DC Linear Actuators designed with built in travel limit switches. Each actuator is equipped with quick release pivot pins (3/8" x 2") on both ends. If disassembled retain pivot pins and hairpin clip.

CONTROL MODULE

The Control Module is designed to control all actuators in the system. The Control Module mounts directly on one of the actuators as shown. Retain with screw (#8 x 1 1/2").

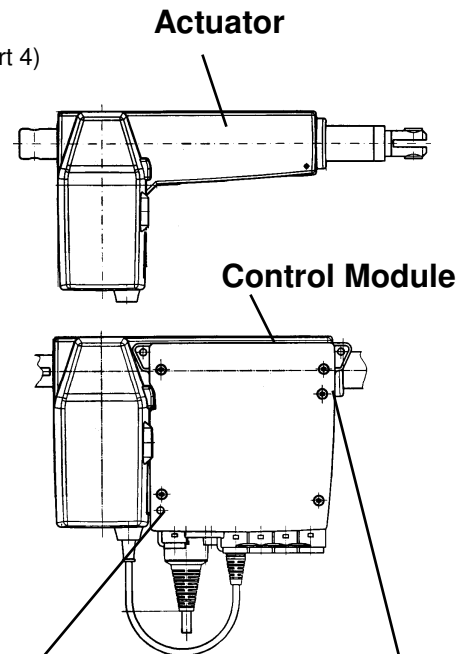
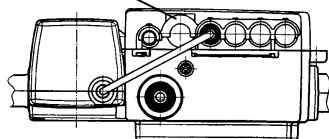
HANDSET

The Handset is used to control all actuator functions. When not in use, Handset hooks on the top of the siderail.

NOTE:

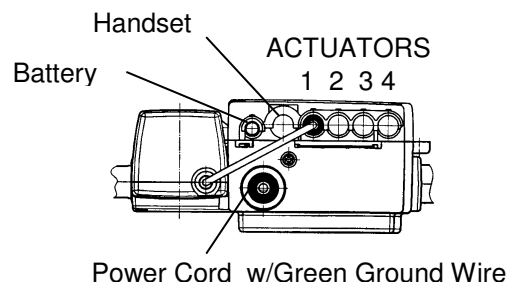
Before removing connectors from control module, remove plastic retainer strip. The retainer strip must be reassembled after connectors are plugged back in. Assure that all connectors are fully plugged in.

Plastic Retainer Strip



#8 x 1 1/2" Screw

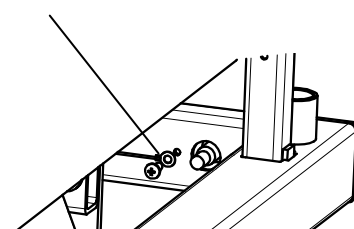
Green Power-on Light
Glowes when Power Cord is
Plugged into 120V outlet



CONTROL MODULE WIRING DIAGRAM

GROUND WIRE

Green wire from power cord connects to bed frame. Secure with screw and star washer.



Diagnostic & Repair

PROBLEM	CAUSE	SOLUTION
No functions operate Green Power-on light does not glow Power cord plugged in but no functions operate	No power to unit Electrical power cord not properly plugged into control module Bad handset Bad control module	Check power cord. Is it plugged into receptacle? Check cord for breaks. Check for power to receptacle. Replace handset. Replace control module.
Three actuators operate “OK” one actuator will not operate	Bad control module Bad handset Bad actuator motor	<u>ISOLATE THE PROBLEM</u> Interchange connections on control module so that problem actuator is plugged into an actuator connection on the control module that is working satisfactorily. If problem actuator now operates “OK” but actuator that was operating “OK” now has a problem, either the control module or handset is faulty. Replace as required.
Actuator will not function properly Or not at all	Defective wiring Defective Actuator Motor	Check wiring between control and actuator. Replace actuator
Bed not grounded	Unit is not grounded between power cord and frame or between power cord and wall receptacle	Check ground (green wire) between frame and power cord Is power cord plugged into a grounded wall receptacle? If a grounded outlet is not available, a 3-prong to 2-prong grounded plug adapter must be used.

Cleaning & Maintenance

Warning: Before cleaning any portion of bed, disconnect power cord from the wall outlet. Do not use a power washer to clean bed.

Caution: Before using any cleaning product, test it on the underside of the bed. Never use any volatile or flammable fluid (thinner, gasoline, etc.) that could cause discoloration or deterioration.

CLEANING

Use mild soap and water or a nonabrasive hospital-grade detergent disinfectant to clean the bed. Wet a cloth with the cleaning product and wring dry. Then gently wipe off the bed. Use caution when cleaning around the electrical connections to prevent shock to the person or damage to the electrical components.

YEARLY INSPECTION AND MAINTENANCE

Once per year

1. Check all the bolts to be sure that none have worked loose.
2. Check that all pins are in their locked position and securely fastened.
3. Check all welds.
4. Check all electrical connections for tightness
5. Lubricate all pivot points with FDA approved light grease or dry Teflon lubricant.
6. Check all electrical wiring for any frays, kinks and or deterioration.
7. Check lock and steer casters for proper operation.

ANY DISCREPANCIES NOTED DURING INSPECTION MUST BE CORRECTED BEFORE USING THE BED.

Specifications

Product name: Gendron Bariatric Hemecare Bed
Models: 3639, 3648

650 LB. CAPACITY

Dimensions:

Maximum Overall Width	41-1/2"	Model: 3639
	50-1/2"	Model: 3648

Overall Length	90" with headboard and footboard installed
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Models	Pan Width	Pan Length
3639	39"	84"
3648	48"	84"

Mattress Pan Height	Above floor, adjusts from 15-1/2" to 32"
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Weight	347 Pounds
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Back angle	0 to 50 degrees
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Ground Leakage	<100 micro amps
Ground Resistance	<0.15 ohms

Classification: Class 1, Internally Powered

Duty cycle: Max. 10% or 2 min. continuous use followed by 18 min. not in use.

Note:
All Dimensions are approximate.

Specifications

ENVIRONMENTAL CONDITIONS

Operating	
Temperature Relative humidity Atmospheric pressure	5 °C to 40 °C 20% to 90% @ 30 °C – not condensing 700 to 1060 hPa
Storage and Transport	
Temperature Relative humidity Atmospheric pressure	-10 °C to +50 °C 20% to 90% @ 30 °C – not condensing 700 to 1060 hPa

ELECTROMAGNETIC COMPATIBILITY

Medical electrical equipment needs special precautions regarding electromagnetic compatibility (EMC) and needs to be installed and put into service according to the EMC information provided.

- a. Portable and mobile radio frequency (RF) communications equipment can affect medical electrical equipment. This Product is intended for use in the electromagnetic environments specified.
- b. The end user of this product should assure it is used in such an environment.
 - i. Portable and mobile RF Communications equipment (cell phones) should not be used at close distances
 - ii. Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Warranty

Defective parts will be repaired or replaced by the company or its appointed agent. The warranty does not cover damage caused by misuse or negligence, nor does it cover defects or damages by use of unauthorized parts or service by an unauthorized person.

Gendron, Inc. warrants the bed frame to be free from defects in materials and workmanship for a period of five (5) years from date of purchase. Wear items including, but not limited to: casters, actuators, control module, handset, power cord, cables, bearings, pins, release knob, and mattress are warranted to be free of defects in material and workmanship for a period of one (1) year. If within such warranty period any such products shall be proven to be defective, such product shall be repaired or replaced, at the company's option. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. The company's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For warranty service please contact Gendron, Inc. Return authorization is required. Do not return products without our prior consent.

FREIGHT DAMAGE: The carrier who delivers merchandise to your door is responsible for loss and damages. Acceptance of the shipment by you is acknowledgment that all articles delivered were in good condition and properly packed. Therefore, all claims for loss or damage must be filed immediately with the freight carrier. Then notify us. We will mark our records accordingly. After settling claim, damaged merchandise will be picked up by the freight carrier and returned. Should you need assistance with the claim, call customer service at (800) 537-2521.

RETURN GOODS: Call customer service at (800) 537-2521

Do not return merchandise without prior authorization. All correspondence relating to this warranty must indicate Model and Serial number and be addressed to:

GENDRON, INC.
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