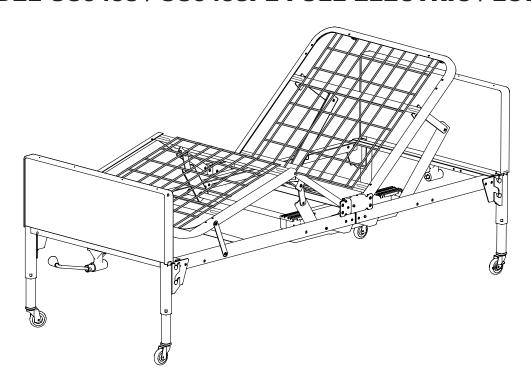




# MODEL US0208 / US0208PL SEMI-ELECTRIC BED MODEL US0458 / US0458PL FULL-ELECTRIC / LOW BED



### **USER MANUAL**

READ THIS MANUAL BEFORE OPERATING THE PATRIOT™ HOMECARE BED.

SAVE THIS MANUAL FOR FUTURE USE.

US0208-INS-LAB-RevE13

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### 1 SAFETY

The safety statements presented in this chapter refer to the basic safety information that the operator of the Patriot Homecare Bed shall pay attention to and abide by. There are additional safety statements in other chapters or sections, which may be the same as or similar to the following, or specific to the operations. Please note the  ${}^{99}$ following special statements, used throughout this manual, and their significance:

- ▲ NOTICE: Indicates a potential hazard or unsafe practice that, if not avoided, could result in product or property damage.

Info: Provides application recommendations or other useful information to ensure that you get the most from your product.

### **WARNING / CAUTION / NOTICE SUMMARY**

### WARNING: To Reduce the Risk of Burns, Fire, Electric Shock, or Personal Injury:

- **⚠ WARNING:** Do not allow small children on or near bed during operation.
- **⚠ WARNING:** Do not allow this device to be operated by small children.
- ⚠ WARNING: Under normal operating conditions, this product has a maximum weight capacity of 450 lb, EVENLY DISTRIBUTED, including mattress, accessories, rails, etc. This product has a maximum *patient* weight capacity of 350 lb, EVENLY DISTRIBUTED. Ensure that body weight is evenly distributed over the surface of the bed. Do not lie, sit or lean in such a way that your entire body weight is placed only on the raised head or foot sections of the bed. This includes when assisting the user in repositioning or transferring in or out of bed.

- **⚠ WARNING:** Keep all moving parts free of obstructions (i.e. blankets/sheets, heating blankets/pads, tubing, wiring, and other types of products).

- **⚠ WARNING:** Do not leave the bed unattended when plugged in.

- **⚠ WARNING: GF Health Products, Inc. assumes no responsibility for any damage or injury caused by improper assembly or use of this product.**

### **NOTICE: To Reduce the Risk of Product or Property Damage:**

- ▲ NOTICE: The pendant hand control cord must be routed and secured properly to ensure that the cord does NOT become entangled and eventually severed during use.
- ▲ NOTICE: When using nasal or masked type administering equipment, oxygen or air tubing MUST be routed and secured properly to ensure that tubing does NOT become entangled and eventually severed during normal operation of bed.

### 2 INTRODUCTION, PATRIOT HOMECARE BED USER MANUAL

This manual contains assembly and maintenance instructions for your Model US0208 / US0208PL Semi-Electric and US0458 / US0458PL Full-Electric / Low Patriot bed. Read the entire manual carefully before using your bed, and refer to it during use if you have questions.

### THERMAL MOTOR PROTECTION

This product is powered by a quiet, efficient DC motor system. When the bed is plugged into a power outlet, the electrical transformer is always energized in a stand-by condition. The Okimat actuator casing may feel warm to the touch even when the bed is not being used; this is a normal condition.

Thermal protection activation (protection against overheating caused by excessive or extended periods of operation), which causes the bed to shut down operation when overheated, is a safety feature of this product.

Causes of thermal protection activation include multiple or repeated adjustment of long duration, or the use of multiple functions at one time. To ensure trouble-free operation, always allow a slight pause between multiple adjustments, and avoid operating more than one function at a time. If thermal protection activation occurs, the bed pendant hand control will not function. The thermal protection will reset after a period of time dependent on the severity of the overheating. To shorten the reset time, temporarily unplug the power cord from the power outlet.

### GRAVITY-DOWN FEATURE FOR HEAD AND KNEE ELEVATION

Patriot beds are equipped with a gravity-down safety feature. The motors push the head and knee grid decks up, but do not pull the knee and head down. As the motor plunger retracts, the head and knee lower freely, minimizing bed damage and/or personal injury from items caught under the grid deck.

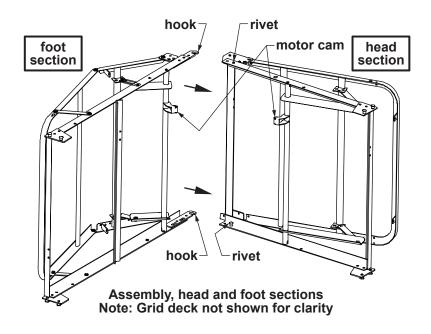
Info: When using telescoping deck-mount bed rails, the head and knee may not lower without weight on the bed.

### 3 ASSEMBLY INSTRUCTIONS

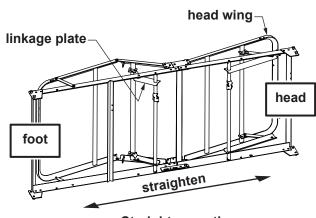
### **HEAD AND FOOT ASSEMBLY**







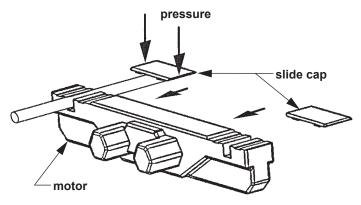
- 1. Place the head and foot sections on their sides at approximately right angles to each other with motor cams up, as shown above.
- 2. Slide the head and foot sections together until the foot section's hook catches the head section's rivet **on both sides**. Ensure both rivets are completely seated before continuing.



Straighten sections
Note: Grid deck not shown for clarity

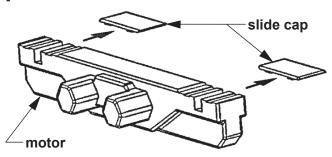
- 3. With the rivets fully seated in the hooks as described in step 2, rotate and straighten the bed as shown above. Position head wing as shown above.
- ▲ NOTICE: While balancing the frame, do not elevate the knee too far or the linkage may overextend and lock. If the linkage locks, manually push the large linkage plate toward the foot of the bed.

### **MOTOR ASSEMBLY**



Install motor slide caps

### Remove motor slide caps



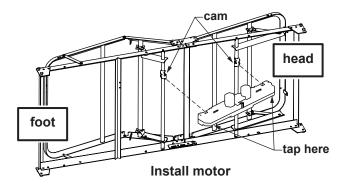
Remove motor slide caps

1. Remove the slide caps from both ends of the motor as shown above. Plungers should be recessed in motor cavities; if not, plug the power cord into any grounded outlet and operate "down" function on the pendant hand control, *then unplug the power cord*.

Info: Motor comes from factory with pendant hand control plugged into motor.

2. Install 9V backup battery (not provided) and slide into storage area.

### **Install Motors**



- 3. Hold the bed securely, positioned with motor cams up, as shown above.
- 4. Position the motor over both cams.
- 5. Tap either end of the motor housing (shown below) with enough force to snap the motor assembly into position on the cam.
- 6. Repeat step 5 for other end of motor.

### Install motor slide caps

- 7. Position the caps as shown at right so that the grooves in the slide cap are aligned with the grooves in the motor.
- 8. Apply straight downward pressure to each end of the cap while sliding into the closed position.
- 9. Repeat step 8 for the other cap.
- 10. Ensure that all four corners of each slide cap are engaged.
- **↑ WARNING:** Ensure that the motor is assembled on bed as instructed above before use.

### Motor assembly troubleshooting

Problems associated with improper motor installation are listed below, with appropriate fix.

Problem	Probable cause	Fix
Head operates with knee control button and knee operates with head control button	Motor is installed backwards	Remove motor and reverse it (see previous page)
Knee lifting linkages bind against grid deck, preventing knee deck from elevating.	Motor is installed backwards, enabling knee to elevate too high and bind linkage	Remove motor and reverse it (see previous page)

### FULL-ELECTRIC BED ONLY (US0458 / US0458PL): CASTER POSITION

Any full-electric Patriot bed can be used as either a standard-height or low-height bed by moving the casters.



fig 1: casters mounted at standard height



fig 2: casters mounted at low height, bed in lowest position



fig 3: casters mounted at low height, bed in elevated position

### Standard (conventional) bed height

To achieve standard bed height, insert casters into outside legs, as shown in fig. 1 above.

### Low bed height

To achieve low bed height, insert casters into inner short legs, as shown in figs. 2 and 3 above.

When in the lowest position, the casters are engaged for bed movement, as shown in fig. 2 above.

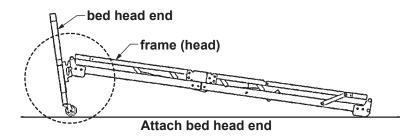
When elevated, the bed is off the casters and cannot be moved, as shown in fig. 3 above.

Due to the clearances involved, only minor travel and movement are recommended in the low position. The casters can be moved to the outer legs to provide clearance if the bed must be moved or rolled.

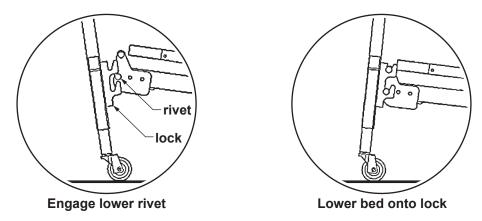
### **BED END ASSEMBLY**

### All bed models: Assemble bed head end

- 1. Insert one locking and one non-locking caster into bed end. **Locking casters must be installed diagonally from each other.** See previous page for full-electric caster position options.
- 2. Standing directly in front of the bed end, position it as close to the bed as possible.
- 3. With one hand, reach over end and lift up the bed.



4. Tilt the bed end slightly back toward you as shown above.



- 5. Engage lower rivet slightly with corner lock and tilt end toward bed as shown at above left.
- 6. Lower bed onto corner lock as shown at above right.

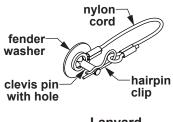
### All models: Assemble bed foot end

After bed head end has been attached, perform steps 1-6 in **All models: Assemble bed head end** above to install the foot end.

### All models: Install bed end locking hardware

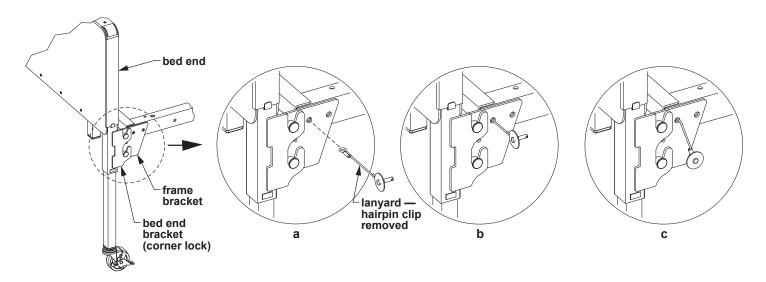
 After bed head end has been attached, install Bed End Locking Hardware to act as a latch for each corner.

Bed End Locking Hardware, part number 690-1000-100, includes four lanyards, each assembled from a clevis pin, hairpin clip, fender washer, and nylon cord, as shown at right. Bed end locking hardware, while not necessary for normal bed operation, will prevent the bed ends from accidentally rolling off when moving or pushing the bed, or while installing or using bed-mount trapezes.

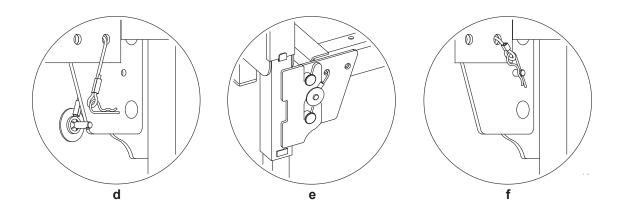


Lanyard

### riangle WARNING: GF Health Products, Inc. recommends the use of Bed End Locking Hardware at all times.

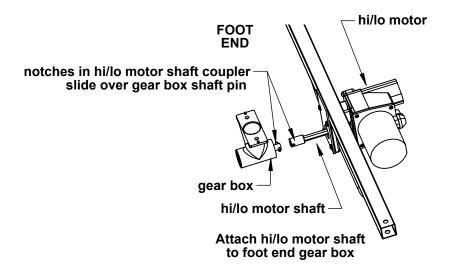


- 2. Refer to accompanying illustrations while installing Bed End Locking Hardware. Remove the hairpin clip from the end of the lanyard assembly, as shown in **a**, and set it aside.
- 3. Align the cord end with the frame bracket top hole closest to the bed end. Insert the cord end through the hole so that an equal amount of cord extends outside either side of the frame bracket hole, as shown in **b**.
- 4. The lanyard assembly will now hang loosely with the clevis pin and fender washer end on the outside, as shown in **c**.



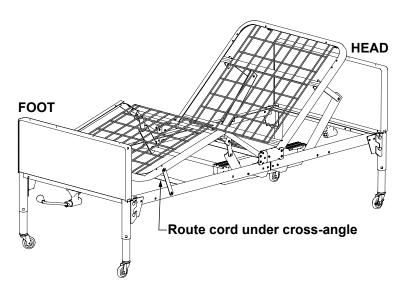
- 5. From the inside, reattach the hairpin clip to the cord's looped end as shown in **d**. This prevents the cord from slipping back through the frame bracket hole.
- 6. From the outside, insert lanyard clevis pin with washer into the small hole directly below the bed end bracket top hook so that the washer rests against the bracket, as shown in **e**.
- 7. From the inside, insert the hairpin clip, now attached to the cord, into the clevis pin hole to secure, as shown in  $\mathbf{f}$ .
- 8. Follow previous steps 1-7 for other bed end corners, ensuring that all four corners are securely fastened and locked in place.

### Full-electric bed only (US0458 / US0458PL): Assemble hi/lo motor shaft to foot end gear box



You must first attach the coupler end of the motor shaft to the foot-end gear box (see above).

- 1. Note the position of the hi/lo motor plug on the Okimat actuator next to the pendant hand control plug plug the hi/lo motor into the actuator, routing the hi/lo motor cord under the fixed base frame cross-angle as shown below to ensure clearance with the hi/lo drive shaft.
- 2. Plug the power cord into any grounded outlet.
- 3. Pull the motor shaft toward the foot end. Using the hi/lo function on your pendant hand control, *slowly* turn the hi/lo motor shaft until the coupler matches up with the gear box shaft pin as shown above.
- 4. Slide the coupler until it rests completely on the pin. You may need to manipulate the foot end slightly from side to side and/or lift the hi/lo motor itself for proper alignment.
- 5. Unplug the power cord.
- riangle WARNING: Ensure power cord is unplugged before performing further bed assembly.

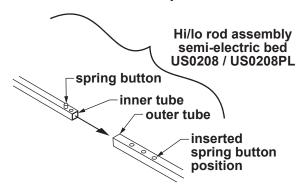


### HI/LO ROD ASSEMBLY / BED LENGTH

The hi/lo rod assembly consists of an inner and outer tube with a spring button lock to keep them together.

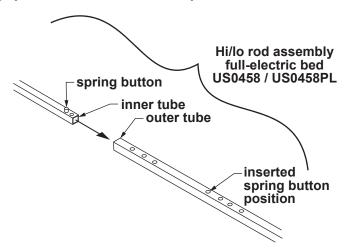
1. Assemble outer and inner tubes:

### Semi-electric bed only (US0208 / US0208PL): Assemble hi/lo rod



Depress spring button and insert inner tube into outer tube until third hole is reached as shown above. Release spring button to lock it into hole.

### Full-electric bed only (US0458 / US0458PL): Assemble hi/lo rod



Depress spring button and insert inner tube into outer tube until first hole of second hole set is reached as shown above. Release spring button to lock it into hole.

### All models: Attach hi/lo rod to gearbox or motor shaft pins

Both ends of the hi/lo rod assembly have a slot to mount on the foot end motor shaft pins and bed end gearbox shaft pins. Follow steps 2-3 to mount the hi/lo rod assembly on the gearboxes.

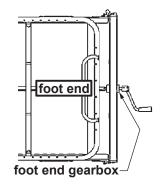
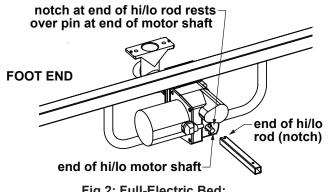


Fig 1: Semi-Electric Bed: Attach hi/lo rod assembly to foot end gearbox





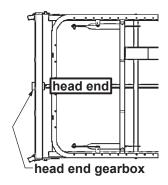


Fig 3: All Bed Models: Attach hi/lo rod assembly to head end gearbox

- 2. Connect the hi/lo rod assembly to the bed.
  - Semi-electric bed: Attach either end of hi/lo rod assembly to the foot end gearbox as shown in Fig 1 above.
  - Full-electric bed: Attach either end of hi/lo rod assembly to the foot end hi/lo motor shaft as shown in Fig 2 above.
- 3. Attach other end of hi/lo rod assembly to head end gearbox as shown in Fig 3 above.

### **4 BED OPERATION**

### 

Plug the power cord into any grounded outlet.

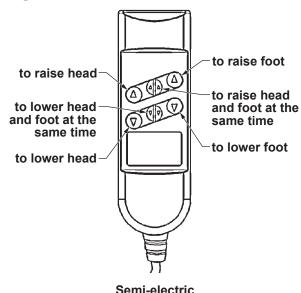
### 

Info: In the event of a power failure, use a standard 9V battery to lower the bed's head and foot sections (the 9V battery connection is attached to the motor). When used with the battery, the motor will only lower, not lift, the head and/or foot sections.

### PENDANT HAND CONTROL OPERATION

## Semi-electric bed <u>only</u> (US0208 / US0208PL)

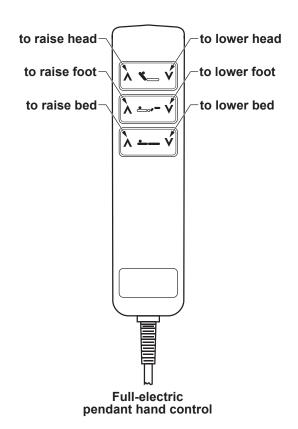
The semi-electric pendant hand control is shown at right. Use the pendant hand control to raise and lower bed head and foot. Each button has a different function, as noted in the picture.



Semi-electric pendant hand control

## Full-electric bed <u>only</u> (US0458 / US0458PL)

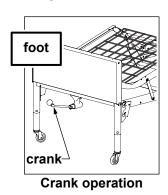
The full-electric pendant hand control is shown at right. Use the pendant hand control to raise and lower bed, head and foot. Each button has a different function, as noted in the picture.



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### CRANK OPERATION: SEMI-ELECTRIC BED ONLY (US0208 / US0208PL)

Use the crank at the center foot of the semielectric bed (shown at right) to change bed height (raise or lower entire deck).



# TRENDELENBURG POSITION, ALL MODELS (HEAD END AT LOWER ELEVATION THAN FOOT END)

- 1. Lower bed to its lowest height. Disengage the hi/lo rod by compressing the spring button and removing the hi/lo rod from the motor or bed end.
- 2. Raise the foot bed end using the pendant hand control or crank (semi-electric bed only). The head end will remain in the low position.

# REVERSE TRENDELENBURG POSITION, ALL MODELS (HEAD END AT HIGHER ELEVATION THAN FOOT END)

- 1. Raise bed to its highest height. Disengage the hi/lo rod by compressing the spring button and removing the hi/lo rod from the motor or bed end.
- 2. Lower the foot bed end using the pendant hand control or crank (semi-electric bed only). The head end will remain in the high position.

### **5 SPECIFICATIONS, ALL MODELS**

	1111 101		П				
Deck	High position						
height		a					
			Deck height: High Position	1			
		_	<b>V</b>				
		US0208 / US0208PL:	US0458 / US0458PL with	US0458 / US0458PL with			
		24.0 inches	casters in low position:	casters in standard position:			
			20.0 inches	23.5 inches			
	Low position						
		9		=     			
			Deck height: Low Position				
		1100000 / 1100000DL .	1100450 / 1100450D1:	1100450 / 1100450D1:45			
		US0208 / US0208PL: 15.0 inches	US0458 / US0458PL with casters in low position:	US0458 / US0458PL with casters in standard position:			
			9.5 inches	13 inches			
Bed length			<b>⋖</b> Bed Length	<u>►</u>			
Info: To exten	d grid length (80						
In.) to 84 In., I   690-0084-000	nstall optional kit						
(all beds).	,	es		12			
		_	<b></b>	<u> </u>			
		All models: 87.0 inches					
Deck width	1		<b>──</b> Deck Width ──►				
			П				
		All models: 36.0 inches	<del></del>				
Weight		Normal operating conditions	450 lb, EVENLY DISTRIBUTED in	ncluding mattress, accessories.			
J -			rails, etc.				
		Maximum patient weight	350 lb, EVENLY DISTRIBUTED				
Constructi	on	Frame	10 ga (.135) high strength, low a	alloy steel (roll formed)			
		Sleeping surface	11 ga (.120) cold rolled steel				
Finish		5 stage bath	S21F acid bath (cleans grease and oil from metal).				
			2. Fresh water rinse.				
			3. QuiliPhos 20 phosphate coat	(inhibits rust and helps maintain			
			electrical charge during powder	àpplication).			
			4. Fresh water rinse.				
			5. QuiliRinse 404 (seals metal for	or powder coating).			
		All parts are then coated with a	colored epoxy powder and baked	35 minutes at 375 degrees F. The			
			imately 2.5 mils thick. The coating i	is smooth, uniform finish without			
		runs, wrinkles, or grit.					

### **6 ACCESSORIES: BED RAILS**

Patriot Homecare Bed decks are equipped with patent-pending slots specifically for bed rail installation, providing a fixed place to mount GF bed rails. Two styles of Lumex bed rails are described in Section 6:

- 1) The Lumex Patriot Liberty bed rail system, designed specifically for Patriot Beds, and
- 2) The Lumex Universal bed rail system

### **Bed Rail Safety**

⚠ WARNING: If bed rails are not properly installed and adjusted, personal injury and / or damage to the bed rail could result.

Please read and understand the following bed rail decal before use:



#### **BEWARE OF SIDE-RAIL ENTRAPMENT**

Patient Entrapment with bed side rails may result in serious injury or death. ALWAYS evaluate patients for and guard against bed rail entrapment in accordance with medical protocols. Monitor patient frequently. Mattress MUST fit bed frame and side rails snugly to prevent entrapment. There may be an increased risk of entrapment when bed rails are used in conjunction with low air loss products. Follow the Safety Warnings and Operating Instructions in the Service/User's manual. Contact your dealer or <a href="https://www.grahamfield.com">www.grahamfield.com</a>.

For information on Bed Rail safety, please see the FDA's brochure concerning Bed Safety and Bed Rails on the FDA website, at:

www.fda.qov/MedicalDevices/ProductsandMedicalProcedures/GeneralHospitalDevicesandSupplies/HospitalBeds/

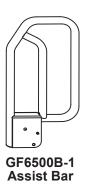
- ⚠ WARNING: Patient entrapment with bed side rails may result in serious injury or death. Use only with coherent patients capable of avoiding entrapment. Patients at risk of entrapment include those who have problems with memory, sleeping, incontinence, pain, uncontrolled body movement or who get out of bed and walk unsafely without assistance. For at-risk patients, use only with proper bed side rail protective barriers. There is also an increased risk of entrapment when bed rails are used in conjunction with a low air loss product.
- **⚠ WARNING:** DO NOT push or pull the bed by the bed rails.
- ⚠ WARNING: GF Health Products, Inc. assumes no responsibility for any damage or injury caused by improper installation of bed rails or unauthorized bed rail use. Only Lumex bed rails are recommended for use with Patriot beds. Please consult the instructions that accompany your Lumex bed rails for complete rail assembly and installation instructions.

### PATRIOT LIBERTY BED RAIL DESIGN

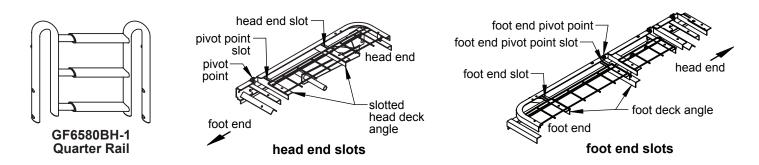
Lumex Patriot Liberty Bed Rails, designed specifically for use with Lumex Patriot Beds, were developed using the *FDA Hospital Bed System Dimensional Guidance to Reduce Entrapment* and tested to the *Hospital Bed Safety Workgroup and FDA Dimensional Test Methods for Bed System Zones 1-4* and *International Standard IEC60601-2-38 Requirements for the Safety of Electrically Operated Hospital Beds*. For installation of these FDA-compliant bed rails, follow the installation instructions that accompany them. Patriot Liberty Bed Rail descriptions follow.

### GF6500B-1: Assist Bar

The Assist Bar, shown at right, is a secure handhold and support for active patients who need assistance getting in and out of bed on their own. This bar is bolted directly to either side of the bed frame to support the split frame when a patient enters or exits the bed. It can also assist patients capable of grasping the bar and maneuvering themselves with rotating and turning in bed.



### GF6580BH-1: Quarter Rail

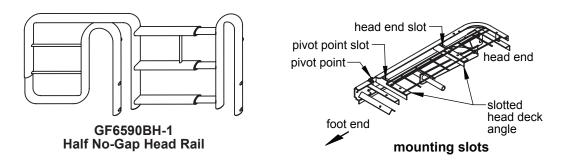


The Quarter Rail, shown above, is approximately 18 inches in length when mounted on the Patriot bed. It can be used as a head assist, head rail, or foot rail.

Mounting slot locations utilized when the Quarter Rail is used as a head rail are shown in "head end slots" above (opposite slots are directly across bed).

Mounting slot locations utilized when the Quarter Rail is used as a foot rail are shown in "foot end slots" above (opposite slots are directly across bed).

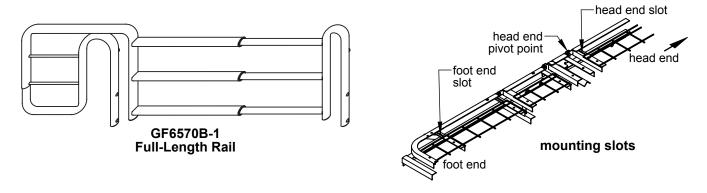
### GF6590BH-1: Half No-Gap Head Rail



The Half No-Gap Head Rail, shown above, provides full head coverage of 31.5 inches and extends to eliminate the gap between the head board and the end of the rail. The GF6590BH-1 mounted on the bed's head and the GF6580BH-1 mounted on the bed's foot combine to create the Patriot split rail system.

Half No-Gap Head Rail mounting slot locations are shown in "mounting slots" above (opposite slots are directly across bed).

### GF6570B-1: Full Length Rail



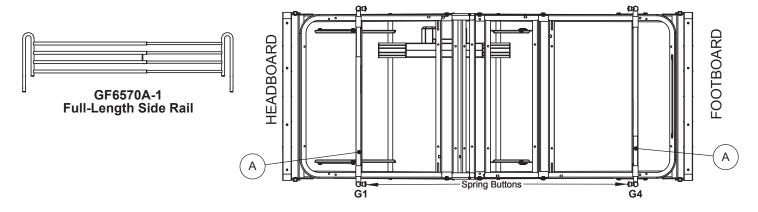
The Full Length rail, shown above, is a nominal, telescoping full length rail that provides maximum length rail perimeter coverage.

Full Length Rail mounting slot locations are shown in "mounting slots" above (opposite side slots are directly across bed).

### **LUMEX UNIVERSAL BED RAILS**

If you install Lumex universal bed rails, follow the installation instructions that accompany them; the following instructions are provided to describe the differences between the installation of bed rail crossbraces on Patriot grid beds and spring beds.

### **GF6570A-1: Full Length Side Rail**

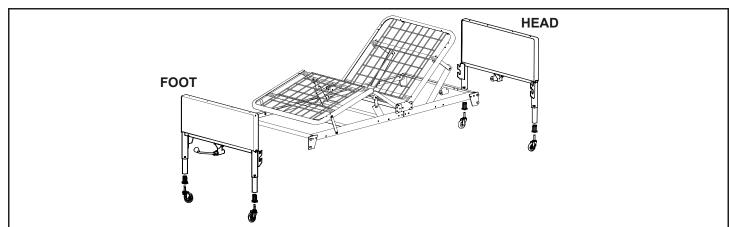


Position spring-loaded crossbraces #A into slots G1 and G4 on both sides of bed with spring buttons facing inward as shown above.

### 7 SERVICE PARTS, ALL MODELS

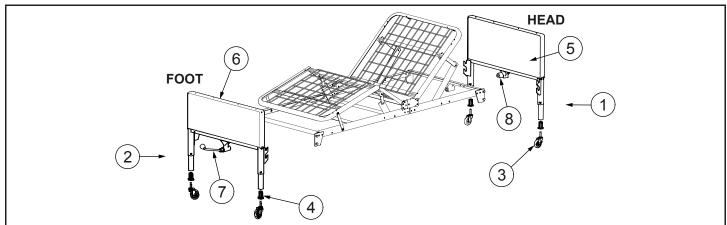
Service parts for all bed models are shown below and on the following two pages. See pictures and tables for appropriate service parts.

### **BED COMPONENTS**



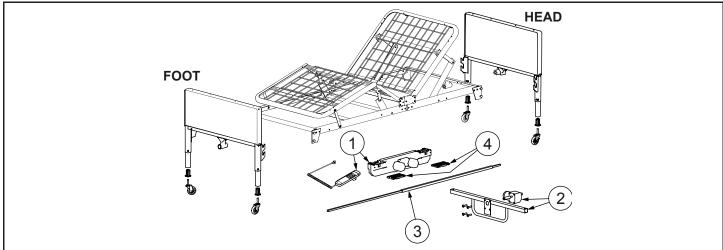
Part number	Description	Semi-electric		Full-electric	
		US0208	US0208PL	US0458	US0458PL
690-7100-901	Head section, includes hi/lo rod	Х	Х	Χ	Χ
690-7105-902	Foot section, semi-electric, includes motor	Х	Х		
690-7104-902	Foot section, full-electric, includes motors			Χ	Х
690-7001-000	End set, semi-electric, walnut panels	Х			
690-7601-000	End set, semi-electric, plastic panels		Х		
690-7004-000	End set, full-electric, walnut panels			Χ	
690-7604-000	End set, full-electric, plastic panels				Х

### **BED END COMPONENTS**



Item	Part number	Description	Semi-electric		Full-electric	
			US0208	US0208PL	US0458	US0458PL
1	690-7001-901	Head bed end, semi-electric, walnut panels	Χ			
	690-7601-901	Head bed end, semi-electric, plastic panels		Х		
	690-7004-901	Head bed end, full-electric, walnut panels			Χ	
	690-7604-901	Head bed end, full-electric, plastic panels				Х
2	690-7001-902	Foot bed end, semi-electric, walnut panels	Χ			
	690-7601-902	Foot bed end, semi-electric, plastic panels		Х		
	690-7004-902	Foot bed end, full-electric, walnut panels			Χ	
	690-7604-902	Foot bed end, full-electric, plastic panels				Х
3	999-0301-904	Caster, set of 4: 2 locking & 2 non-locking	Χ	Х	Χ	Х
	100-6330-014	Caster, non-locking, each	Χ	Х	Χ	Х
	100-6330-015	Caster, locking, each	Χ	Х	Χ	Х
4	100-4200-012	Caster socket, each	Χ	Х	Χ	Х
5	554-2001-015	End panel, head/foot, semi-electric, walnut panels	Х			
	690-5001-025	End panel, head/foot, semi-electric, plastic panels		Х		
	690-5004-015	End panel, head/foot, full-electric, walnut panels			Χ	
	690-5004-025	End panel, head/foot, full-electric, plastic panels				Х
6	554-2001-059	Capping, bed end, head/foot, semi-electric	Χ	Х		
	690-5004-059	Capping, bed end, head/foot, full-electric			Χ	Х
7	600-2001-912	Foot elbow, full-electric			Χ	Х
	600-2001-916	Foot elbow with crank, semi-electric	Χ	Х		
	999-0353-000	Foot crank only, semi-electric	Χ	Х		
8	600-2001-910	Elbow, head end, semi-electric & full-electric	Χ	Х	Χ	Х
9	690-1000-100	End locking hardware, set of 4 (not shown)	Χ	Х	Χ	Х

### **BED SERVICE PARTS**



Item	Part number	Description	Semi-electric, H7920SE	Full-electric, H7920FE
			US0208 / US0208PL	US0458 / US0458PL
1	690-2001-913	Motor and pendant hand control, semi-electric	Χ	
	690-2001-411	Pendant hand control, semi-electric	Χ	
	690-3001-943	Motor and pendant hand control, full-electric		Χ
	690-2001-414	Pendant hand control, full-electric		Χ
2	690-7001-944	Motor and bracket, hi/lo		Χ
	690-3001-945	Motor, hi/lo, full-electric		Χ
3	554-2018-901	Hi/lo rod assembly	Χ	Χ
4	690-2001-412	Motor slide covers	Χ	Χ
5	690-1000-100	End locking hardware, set of 4 (not shown)	Χ	Χ

Info: US0208 and US0208PL are identified on the foot section component label as Patriot Semi-Electric Bed Model H7920SE.

Info: US0458 and US0458PL are identified on the foot section component label as Patriot Full-Electric Bed Model H7920FE.

### 8 MAINTENANCE AND SAFETY CHECKS

Perform the following as needed or between patient placements, whichever happens sooner:

Electronics and	Check all controls to ensure that all functions work	Foot control		
Motors	properly.	Head control		
		Hi/Lo (if applicable)		
	Check all cables for damaged or frayed wires.	Power cord		
		Pendant hand control cord		
	Check to ensure that all plugs are fully inserted or attached.			
	Check to ensure that all wires are routed and attached properly so not to interfere with any moving parts.			
	Inspect motor casings for excessive wear and cracks			
	Inspect motor slide caps for excessive wear and deformation			
Bed frames and	Visually check all welds	Head section		
sleeping surface		Foot section		
		Main Frame		
	Check joints between sleeping surface sections for loose fasteners.			
	Inspect frames and sleeping surface for bending and excessive wear			
Cleaning	The metal parts of the bed are covered with a powde and warm water. Periodically raise head and foot sec periodically remove mattress and clean mattress dec	powder coating. Clean all coated parts with mild detergent oot sections of the bed and remove dust from frame. Also, ess deck.		
Lubrication and	Lubricate all caster roller and swivel bearings with light machine oil.			
mechanical	Check all bolts and tighten as needed.			

<sup>⚠</sup> WARNING: The bed's electronic system contains no serviceable parts. Do not open the motors, cables, or pendant hand control. Only a Graham-Field authorized distributor or factory-trained personnel may perform service or adjustments on these components.

### 9 LIMITED WARRANTY

#### **SCOPE OF WARRANTY**

GF Health Products, Inc. ("GF") warrants to the original purchaser only that it will replace or repair components, at GF's sole discretion, that are defective in material or workmanship under normal use and service. All warranties are conditioned upon the proper use of the products strictly in accordance with good commercial practice and applicable GF instructions and manuals, including proper use and maintenance. To the extent that a component is warranted by a third party, GF conveys all of its rights under that warranty to the original purchaser, to the extent permitted.

This limited warranty shall only apply to defects that are reported to GF's customer service team within the applicable warranty period and which, upon examination by GF or its authorized representative, prove to be a warranty item. This limited warranty is not transferable.

The warranted components and time period are set forth below:

Lumex Patriot US0208 / US0208PL Semi-Electric Homecare Bed: . . . . . 2 years Lumex Patriot US0458 / US0458PL Full-Electric / Low Bed: . . . . . . 2 years

The applicable warranty period shall commence from date of shipment to the original customer, unless there is an expiration date on the component in which case the warranty shall expire on the earlier of warranty period or the expiration date.

#### **OBTAINING WARRANTY SERVICE**

A GF Customer Service Representative must authorize warranty service. Please contact the GF Customer Service department by calling 678-291-3207, sending a fax request to 770-368-2386 or by e-mailing a request to cs@grahamfield.com. Specific directions will be provided by the Customer Service Representative. Failure to abide by the specific directions will result in denial of the warranty claim.

#### **EXCLUSIONS**

The warranty does not cover and GF shall not be liable for the following:

- 1) Defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- 2) Products which are not installed, used, or properly cleaned and maintained as required in the official manual for the applicable product;
- 3) Products considered to be of a non-durable nature including, but not limited to: casters, filters, fuses, gaskets, lubricants, and charts;
- 4) Accessories or parts not provided by GF;
- 5) Charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing, in advance, by GF;
- 6) Any labor or shipping charges incurred in the replacement part installation or repair;
- 7) Costs and expenses of regular maintenance and cleaning; and
- 8) Representations and warranties made by any person or entity other than GF.

### ENTIRE WARRANTY, EXCLUSIVE REMEDY AND CONSEQUENTIAL DAMAGES DISCLAIMER

THIS WARRANTY IS GF'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GF MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IF ANY MODEL OR SAMPLE WAS SHOWN TO THE CUSTOMER, SUCH MODEL OR SAMPLE WAS USED MERELY TO ILLUSTRATE THE GENERAL TYPE AND QUALITY OF THE PRODUCT AND NOT TO REPRESENT THAT THE PRODUCT WOULD NECESSARILY CONFORM TO THE MODEL OR SAMPLE IN ALL RESPECTS.

THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PARTS. GF SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO: DAMAGES FOR LOSS OF PROFITS OR INCOME, LOSS OF USE, DOWNTIME, COVER, OR EMPLOYEE OR INDEPENDENT CONTRACTOR WAGES, PAYMENTS AND BENEFITS.

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

For additional information on this product or this warranty, please contact a GF Customer Service Representative.

### **NOTES:**

- 1) Additional terms and conditions may apply.
- 2) Freight claims must be notated on the Bill of Lading and must be made with immediacy. The ICC regulations govern specific requirements for freight claims. Failure to abide by those regulations may result in a denial of the freight claim. GF will assist you in filing the freight claim.
- 3) Claims for any short shipment must be made within thirty (30) days of the invoice date.

GF Health Products, Inc. 2935 Northeast Parkway Atlanta, GA 30360 Tel 770-368-4700 Fax 770-368-2386 www.grahamfield.com

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