



**Series FR597G Ortho-Biotic™ II Recliner
with Wooden Arm Caps**

**Series FR597P Ortho-Biotic™ II Recliner
with Fully Upholstered Arms**

**Series FR597GH Ortho-Biotic™ II Recliner
with Wooden Arm Caps with Heat and Massage**

**Series FR597PH Ortho-Biotic™ II Recliner
with Fully Upholstered Arms with Heat and Massage**

**Series FR597GHO Ortho-Biotic™ II Recliner
with Wooden Arm Caps with Heat Only**

**Series FR597PHO Ortho-Biotic™ II Recliner
with Fully Upholstered Arms with Heat Only**



Series FR597G Shown

Assembly and Operating Instructions

SAVE THIS MANUAL FOR FUTURE USE.

CONTENTS

INTRODUCTION.....	3
INTENDED USE	3
IMPORTANT SAFETY PRECAUTIONS—READ BEFORE USE	3
WARNINGS.....	3
UNPACKING AND ASSEMBLY	5
PACKAGING	5
UNPACKING THE RECLINER.....	5
SERIES FR597 ORTHO-BIOTIC II RECLINER DESCRIPTION AND FEATURES	6
OPERATION	7
TENTE® CASTERS.....	7
RECLINER OPERATION.....	7
LEGREST OPERATION	8
EXTENDING LEGREST.....	8
RETURNING LEGREST TO STORED POSITION	8
RECLINE OPERATION	8
RECLINING BY PATIENT	8
RETURNING TO UPRIGHT POSITION BY PATIENT	8
RECLINING BY CAREGIVER	8
RETURNING TO UPRIGHT POSITION BY CAREGIVER.....	8
TRENDELENBURG (SHOCK) POSITION.....	8
ACTIVATING TRENDELENBURG POSITION	8
BRINGING THE RECLINER OUT OF TRENDELENBURG POSITION.....	8
FOOTPLATE OPERATION	9
UNIVERSAL HEADREST OPERATION	9
OPTIONAL ACCESSORIES	10
OPTIONAL SIDE TABLE.....	10
OPTIONAL SIDE TABLE OPERATION.....	10
OPTIONAL IV POLE MOUNT.....	10
RECLINERS WITH HEAT AND MASSAGE OR HEAT ONLY FEATURE.....	11
INSTALLATION AND OPERATING GUIDE.....	11
DESCRIPTION.....	11
CONNECTION	11
MAIN COMPONENTS.....	11
HEAT AND MASSAGE / HEAT ONLY INSTALLATION INSTRUCTIONS.....	12
HEAT AND MASSAGE / HEAT ONLY UNIT OPERATION INSTRUCTIONS.....	14
HEAT AND MASSAGE / HEAT ONLY UNIT TROUBLESHOOTING GUIDE.....	16
CARE AND MAINTENANCE	17
EVERY THREE MONTHS	17
UPHOLSTERY MAINTENANCE AND STAIN REMOVAL	17
FOR GUARDIAN, PATRIOT PLUS, RENAISSANCE AND SAVOY FABRICS ONLY	17
COLOR TRANSFER.....	17
DISINFECTANTS	17
CDC RECOMMENDATIONS.....	18
DISPOSAL AND KEY TO SYMBOLS	20
DISPOSAL.....	20
KEY TO SYMBOLS.....	20
TEST PARAMETERS	21
TECHNICAL SPECIFICATIONS.....	21
ACCESSORIES	21
LIMITED WARRANTY	22
INDEX.....	23

INTRODUCTION

This manual contains assembly, operation, and maintenance instructions for Lumex Ortho-Biotic II Recliners series FR597G (FR597G, FR597GH, and FR597GHO) and FR597P (FR597P, FR597PH, and FR597PHO). Read the entire manual carefully before using your recliner, and refer to it during use if you have questions. If you have further questions, call GF Health Products, Inc. / Lumex Technical Support at 1.770.368.4700.

INTENDED USE

The Lumex Ortho-Biotic II Recliner Series FR597 is intended to make the care, treatment and recovery of patients easier and more comfortable. Lumex Healthcare Seating is used in a wide range of healthcare applications including Patient Room, Same Day Surgery, Post-Anesthesia Recovery, Oncology / IV Therapy, Dialysis and Patient Transport. Lumex Healthcare Seating is ideal for use in hospitals, clinics, surgery centers, and rehabilitation centers.

Lumex Ortho-Biotic II Recliner Series FR597 supports patient weights up to 350 lb (159 kg) when **EVENLY DISTRIBUTED**.

IMPORTANT SAFETY PRECAUTIONS—READ BEFORE USE

The safety statements presented in this chapter refer to the basic safety information that the Series FR597 user must 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. Note the following special statements, used throughout this manual, and their significance:

- ⚠ **WARNING:** Indicates a potential hazard situation or unsafe practice that, if not avoided, could result in death or serious personal injury.
- ⚠ **CAUTION:** Indicates a potential hazard or unsafe practice that, if not avoided, could result in minor or moderate personal injury.
- ▲ **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.

WARNINGS

- ⚠ **WARNING:** Read this entire manual before assembly or operation.
- ⚠ **WARNING:** Periodically inspect all parts and replace as needed.
- ⚠ **WARNING:** Do not use near an open flame, as the chair could be a combustion source, resulting in fire, property damage, and severe personal injury.
- ⚠ **WARNING:** Service and repair of the Lumex FR597 Ortho-Biotic II Recliner must be performed by an authorized Lumex distributor. GF Health Products, Inc. is not responsible for any consequence resulting from any unauthorized service or repair.
- ⚠ **WARNING:** This product has a maximum weight capacity of 350 lb (159 kg), **EVENLY DISTRIBUTED**.
- ⚠ **WARNING:** Casters must be locked at all times, except during transport.

- ⚠ WARNING: Unauthorized modification of your recliner or the use of non-Lumex replacement parts may change the structure of the recliner and could create a hazardous condition, which may result in serious injury and will void the warranty.**
- ⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov/furniture.**
- ⚠ WARNING: GF Health Products, Inc. specifically disclaims responsibility for any bodily injury or property damage which may occur during any use which does not comply with federal, state or local laws or ordinances.**

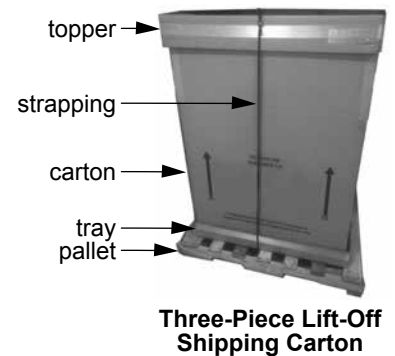
UNPACKING AND ASSEMBLY

1. The Lumex Ortho-Biotic II Recliner is delivered in a three-piece single shipping carton strapped to a pallet. Upon delivery, ensure all cartons are present. Note any shortages on the delivery receipt.
2. Check for any obvious damage to the carton or contents. If damage is evident, immediately notify the carrier, your GF authorized distributor, and / or GF Health Products, Inc. Note ANY damage to the cartons.

Info: A freight claim CANNOT BE MADE once the recliners are signed for as being received in good condition. Note any damage to the cartons on the delivery receipt, and call GF immediately if there is any damage to the product.

PACKAGING

- The Lumex Ortho-Biotic II Recliner is packaged in a unique three-piece lift-off carton that eliminates the need to lift the recliner out of the box from the top.
- The recliner base is placed onto a corrugated carton shipping tray. There are four foam blocks placed in each corner of the shipping tray to protect the casters during shipment.
- For shipment, the recliner is covered with a carton as well as a topper for protection. The topper, carton and tray are strapped to a pallet for shipment, as shown at right.



UNPACKING THE RECLINER

1. Cut the plastic strapping, shown at above right, from the pallet and shipping carton and discard.
2. Remove the topper and carefully lift the carton off of the bottom tray and recliner and discard.
3. Unlock casters. Each caster is shipped in the locked position (See photo below, where casters are shown in unlocked position).

Info: With the recliner still on the pallet, use your foot to fold one of the tray sides down so that it lies flat and the recliner can be rolled over it off of the pallet. Or, with assistance, lift recliner from the tray and place it on the floor.

4. The recliner back and seat areas are covered in plastic to protect the recliner from dirt and dust during shipment. Remove all protective plastic and discard.
5. Your recliner is now ready for use.

Info: Upholstery cleaning instructions are securely fastened to the push bar of each recliner.



Series FR597G Shown

SERIES FR597 ORTHO-BIOTIC II RECLINER DESCRIPTION AND FEATURES



Series FR597G Shown

OPERATION

TENTE® CASTERS

⚠ **WARNING: Casters must be locked at all times, except during transport.**

The Lumex Ortho-Biotic II Recliner features the latest design, all-plastic casters from TENTE. Specifically designed for use in healthcare environments, these casters are easier to clean, easier to move, and tolerate a wide array of cleaners and chemicals. Each caster is made from high-grade synthetic materials and features a double-ball-bearing swivel head. The wheel center is made of polypropylene and the tire tread of TENTEprene (thermoplastic rubber). The gray non-marking tires feature precision ball bearings.

Locking casters: Each Lumex Ortho-Biotic II Recliner features three total locking casters, identified by black actuator tabs, that lock both the wheel and the swivel.

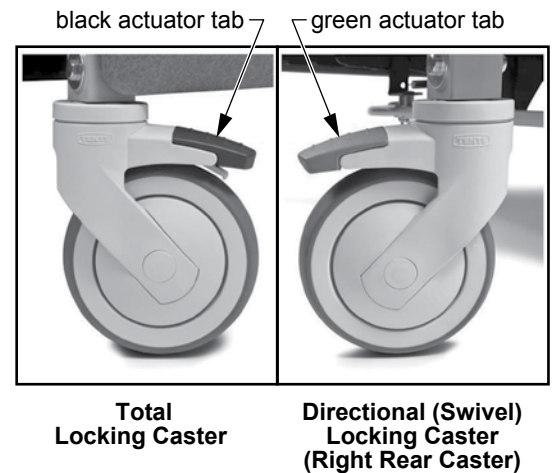
To activate the total lock, simply press down on the BLACK actuator tab until it locks. To release the total lock, press on the raised portion of the actuator tab until the lever is back in the normal operating position.

Directional (swivel) caster: The fourth caster, located on the right rear position of the recliner, is a directional (swivel) locking caster only. Identified by a green actuator tab, the directional lock caster will lock in one of two 180° positions relative to the frame (forward and backward) and allows the recliner to track straight when pushed. To activate the directional lock, simply press down on the GREEN actuator tab until it locks — you may need to move the recliner slightly until the caster locks in a straight line with the recliner frame. To release the directional lock, press on the raised portion of the actuator tab until the lever is back in the normal operating position.

RECLINER OPERATION

The Lumex Ortho-Biotic II Recliner Series FR597 features a unitized recliner mechanism that allows independent adjustment of the legrest and back for patient comfort. The easy-access Trendelenburg (Shock) Position pedal on the RIGHT SIDE of the recliner allows quick activation by the caregiver.

Info: Trendelenburg (Shock) position can only be activated by a caregiver; Trendelenburg Position CANNOT be activated by a patient while in the recliner.



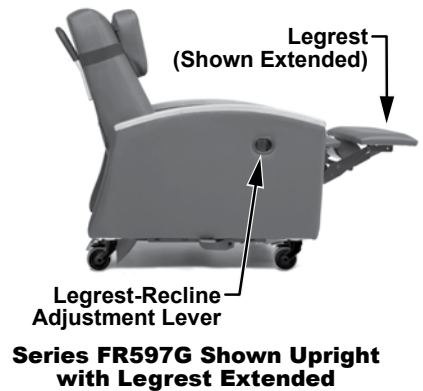
LEGREST OPERATION

Extending Legrest

To activate the legrest, pull the Legrest-Recline Adjustment Lever (located on the right side of the recliner) rearward — the legrest will extend out from the recliner.

Returning Legrest to Stored Position

To return the legrest to the stored position, press downward on the legrest until the legrest locks into place and is flush with the front of the recliner.



RECLINE OPERATION

Reclining by Patient

Patient: Extend the Legrest as explained above. Pull the Legrest-Recline Lever rearward and push backward against the recliner back until the desired back angle is achieved.

Returning to Upright Position by Patient

Patient: Pull back on the Legrest-Recline Lever and sit up. The back will follow you up and return to the upright position.

Reclining by Caregiver

Caregiver: Standing on the right side of the recliner, pull the Legrest-Recline Lever rearward and at the same time, push downward on the recliner back until the desired back angle is achieved.

Returning to Upright Position by Caregiver

Caregiver: Pull back on the Legrest-Recline Lever and have the patient sit up slightly. The back will follow the patient up and return to the upright position.



TRENDELENBURG (SHOCK) POSITION

Info: Trendelenburg (shock) position can ONLY be activated by a caregiver; Trendelenburg Position CANNOT be activated by a patient while sitting in the recliner.

Activating Trendelenburg Position

Caregiver: While standing on the RIGHT SIDE of the recliner, pull the Legrest-Recline Adjustment Lever outward and push downward on the recliner back until the recliner is in the FULL RECLINE POSITION. Step downward on the Trendelenburg Foot Pedal and push downward on the recliner back until the recliner achieves Trendelenburg Position.

Bringing the Recliner out of Trendelenburg Position

With assistance: step downward on the Trendelenburg Foot Pedal. While holding down the Trendelenburg Pedal, with an assistant standing behind the recliner, have the assistant grasp the Padded Push Bar on the recliner back and lift the back up until it reaches the reclined position. Release the Trendelenburg Foot Pedal. Pull the Legrest-Recline Adjustment Lever outward to return the back to the fully upright position.



FOOTPLATE OPERATION

The Lumex Ortho-Biotic II Recliner features a self-storing footplate for patient comfort and convenience during patient transport. The footplate is easily extended when needed and can be stored safely out of the way when not in use. To operate the footplate, pull the footplate out from underneath the recliner until fully extended. The patient can now rest their feet on the footplate while being transported. To return the footplate to the stored position, push the footplate back underneath the recliner until it stops and is safely stored under the recliner.



UNIVERSAL HEADREST OPERATION

The Lumex Universal Headrest is standard with the Lumex Ortho-Biotic II Recliner. The Universal Headrest has been designed to enhance the comfort and head support of the patient when using the recliner.

- The Universal Headrest is installed and adjusted by utilizing two hook and loop straps. Place the headrest on the back of the recliner and pull the two elastic straps until the straps are taut. Secure the pillow in position by pressing the hook and loop sections of the elastic straps together.
- Once the patient is positioned in the recliner, adjust the position of the headrest under the patient's head and / or neck where it offers the most support and comfort.
- The Universal Headrest features a unique shape and contour for maximizing patient comfort. The pillow has two different neck contours; one small, one large. Depending on the patient's size and needs, either side can be used under the patient's head.
- The Universal Headrest unique shape features an angled design that offers the patient a different level of support depending on whether the small contour or large contour is placed under the patient's head. For more head support, place the larger side of the pillow toward the top of the recliner. For less head support, reverse the pillow and place the smaller side toward the top of the recliner. Adjust the Headrest position under the patient's head for maximum comfort and support.



OPTIONAL ACCESSORIES

The Lumex Ortho-Biotic II Recliner is available with several Factory Installed Optional Accessories.

Optional Side Table

An Optional Side Table is available for storage of prep materials or patient items.

Order Item FR597GTBLMNT,
Optional Side Table.

Optional Side Table Operation

Raising Side Table: Raise the side table all the way up and slide in toward the armrest until tabs engage slots in mounting bracket. Press down lightly on table to ensure locking tabs are engaged.

Lowering Side Table: Lift the side table up slightly until tabs disengage slots and pull table away from armrest, then lower side table to self-storing position.

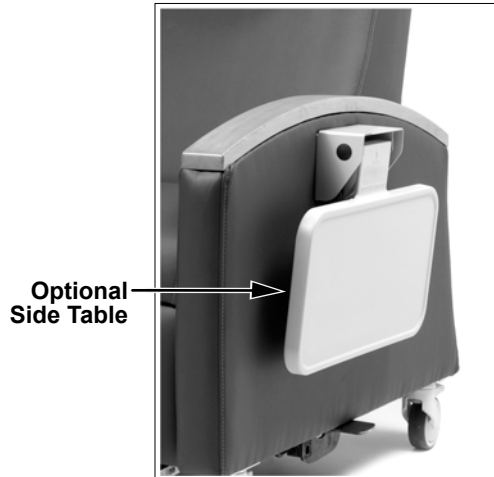
Optional IV Pole Mount

An optional IV Pole Mount (Bracket) and IV Pole are available for IV Therapy procedures.

IV Pole Mount: Order Item FR597GIVMNT,
Optional IV Pole Mount.

The IV Pole is not included with the Factory Installed IV Pole Mount and must be ordered separately.

Order Item 2101, IV Pole.



Series FR597G Shown



Series FR597G Shown

RECLINERS WITH HEAT AND MASSAGE OR HEAT ONLY FEATURE

HEAT AND MASSAGE: FR597GH / FR597PH; HEAT ONLY: FR597GHO / FR597PHO

INSTALLATION AND OPERATING GUIDE

Tools required: masking or packaging tape

- ⚠ **WARNING: Important! Read and understand these instructions before assembling or using the Specialty Healthcare Seating Heat and Massage / Heat Only Unit. If you do not understand any part of these warnings, cautions or instructions, contact a healthcare professional for direction in the use of this product. If the Heat and Massage / Heat Only Unit is not properly assembled, personal injury and damage to the Heat and Massage / Heat Only Unit could result.**
- ⚠ **WARNING: The recliner seat and back heating elements are wired to operate in series only. Do not change the system wiring in any way.**
- ⚠ **WARNING: If components are damaged or missing, contact your Graham-Field authorized distributor immediately. DO NOT use substitute parts. Use only Lumex replacement parts. The use of non-Lumex replacement parts could cause personal injury, property damage, and void the warranty.**
- ⚠ **WARNING: GF Health Products, Inc. assumes no responsibility for any damage or injury caused by improper assembly or use of this product.**

Description

The Lumex Healthcare Seating Heat and Massage / Heat Only Unit is a low-voltage (12V) Heat and Massage / Heat Only Unit, controllable by the user and / or caregiver via a handheld pendant. It is designed to enhance the comfort of the patient / resident during the use of Lumex Orthobiotic II Recliners. The Heat and Massage Unit offers three levels of seat and back heat, as well as a gentle or firm massage function for just the lower back or both lower and upper back; the Heat Only Unit offers three levels of seat and back heat.

Connection

The Heat and Massage Unit comes pre-installed in Lumex Orthobiotic II Recliners with the Heat and Massage Option (FR597GH AND FR597PH); the Heat Only Unit comes pre-installed in Lumex Orthobiotic II Recliners with the Heat Only Option (FR597GHO AND FR597PHO). During recliner shipment, the Heat and Selector Switch connections are disconnected. One connection at the control box is required to make the unit functional.

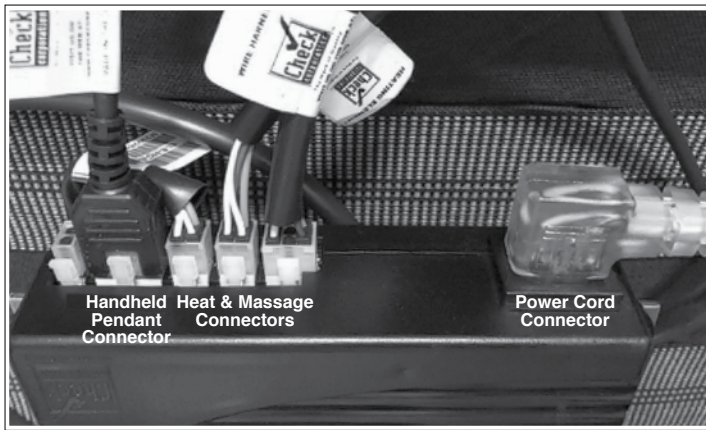
Main Components

1. All Heat and Massage / Heat Only functions are controlled by the handheld pendant.

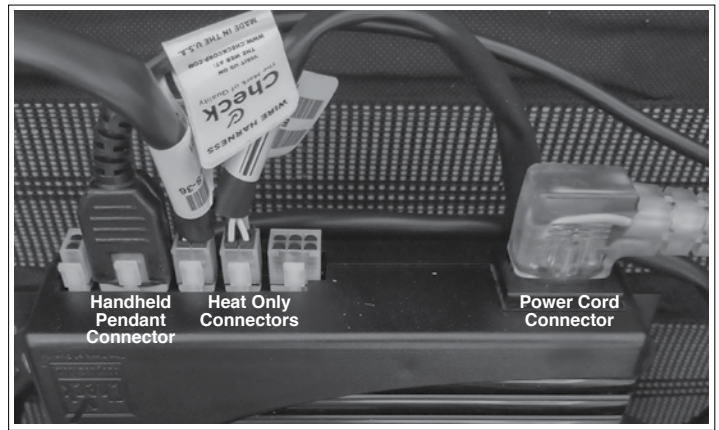
The handheld pendant comes pre-installed and is shipped within the back compartment. To store the pendant when not in use or for caregiver use, place it in the pendant storage bracket mounted on the back of the recliner as shown at right.



**Handheld Heat and Massage
Pendant
Shown in Storage Bracket
on Back of Recliner**



**Heat and Massage Feature –
Control Module and Transformer Unit
Showing All Connections Correctly Made**

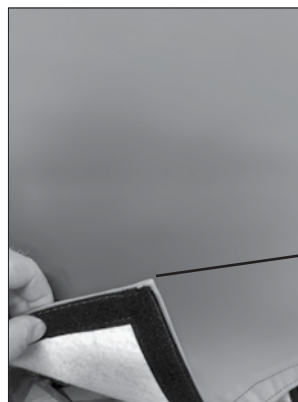


**Heat Only Feature –
Control Module and Transformer Unit
Showing All Connections Correctly Made**

2. The Control Module and Transformer, shown above, are contained in a single unit mounted in the back compartment. The 8-foot power cord plugs into the wall AC outlet.

Heat and Massage / Heat Only Installation Instructions

1. Place the back cushion over the vertical bayonet lugs of the recliner mechanism. Secure the back on each side with the threaded screw knobs per the previous ***Upholstered Back Assembly*** instructions.



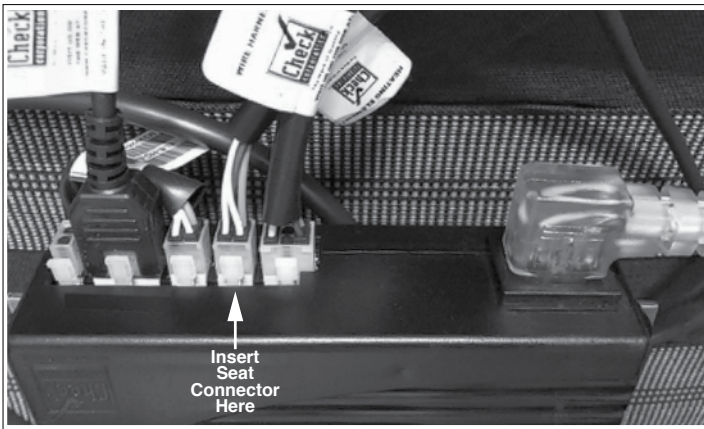
Raise Back to Access
Back Compartment



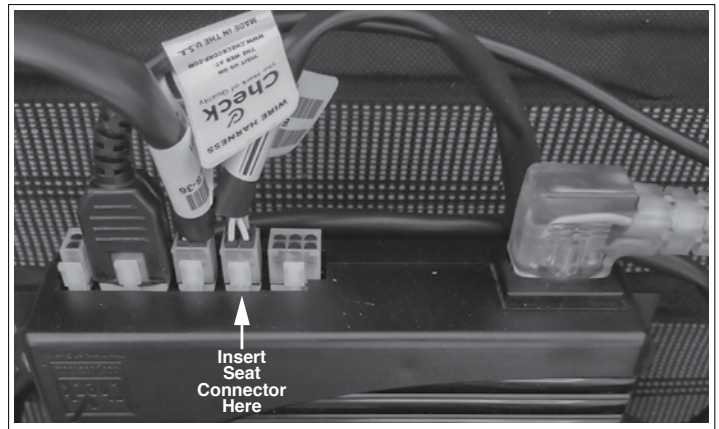
Handheld Pendant
Storage Bracket

Similar Model's Back
Shown Properly
Installed

2. Raise the back skirt on the lower rear of the back cushion, as shown at left above, and use masking or packaging tape to temporarily secure it up and out of the way. This will permit uninterrupted access to the back compartment while making the cable connection.
3. Remove the handheld pendant and power cord from the back compartment. Place the handheld pendant in the storage bracket as shown at right above.

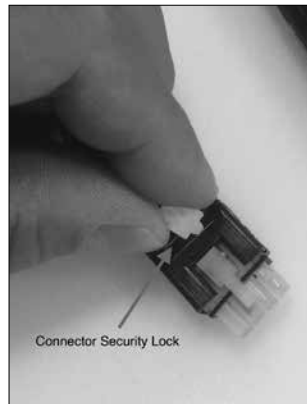


**Heat and Massage Feature —
Install Seat Connector**



**Heat Only Feature —
Install Seat Connector**

4. There is only one connection to make — push the seat connector firmly into the control module until its locking tabs snap into place as shown above.



Connector Security Lock

5. If you need to replace the Hand Pendant, remove the small white connector security lock as shown above.
 6. Remove the tape holding the back flap. Lower the flap and seal the compartment by pressing firmly around the edges of the back flap.
 7. The Heat and Massage / Heat Only Unit is now ready for operation. Instructions for use follow.
- ▲ NOTICE: Before rolling the recliner, ensure the power cord is unplugged from the AC outlet.**

Heat and Massage / Heat Only Unit Operation Instructions

1. Plug the power cord into any grounded outlet.



**Handheld Pendant
Heat and Massage**



**Handheld Pendant
Heat Only**

2. The Heat and Massage / Heat Only Unit is operated using the Handheld Pendant, shown above.



Heat and Massage



Heat Only

3. **The Heat and Massage Pendant Selector Switch Faceplate**, shown at above left, has two membrane switches. The left switch controls the Massage Function and the right switch controls the Heat Function. You can use either the Heat or Massage or both functions at the same time.

The Heat Only Pendant Selector Switch Faceplate, shown at above right, has a single membrane switch to control the Heat Only Function.

4. **Heat and Massage *MASSAGE* Option:** Press the *MASSAGE* switch to start this function. The Massage Function Settings are as follows:
 - a) Press selector switch for Setting 1: Gentle Lower Back Massage.
 - b) Press selector switch AGAIN for Setting 2: Firm Lower Back Massage.
 - c) Press selector switch AGAIN for Setting 3: Gentle Upper and Lower Back Massage.
 - d) Press selector switch AGAIN for Setting 4: Firm Upper and Lower Back Massage.
 - e) Press selector switch AGAIN: Massage function Shuts Off.
5. **Heat and Massage or Heat Only *HEAT* Option:** Press the *HEAT* switch to start this function. The Heat Function Settings are as follows:
 - a) Press selector switch for Setting 1: High Heat, 104°F (40°C), brightest LED.
 - b) Press selector switch AGAIN for Setting 2: Medium Heat, 101°F (38.6°C), bright LED.
 - c) Press selector switch AGAIN for Setting 3: Low Heat, 100°F (37.8°C), dim LED.
 - d) Press selector switch AGAIN: Heat function shuts off.
 - e) There is a small red indicator light, which illuminates only during the Heat function, in the selector switch. The light's brightness is determined by the Heat level being used:
Brightest = High Heat; Dimmest = Low Heat.
6. The Unit automatically shuts off at the following times:
 - a) **HEAT FUNCTION:** After one hour of continuous use at the same level.
 - b) **MASSAGE FUNCTION:** After fifteen minutes of continuous use at the same level.
 - c) To restart the Unit, follow previous steps 4 and 5.

Heat and Massage / Heat Only Unit Troubleshooting Guide

The cables and connections need to be validated. This will require the services of a maintenance person and a clear working area.

1. INSPECTION: Perform the following checks. If a working recliner of the same model is available, use it for comparison.

- a) Is the AC cord properly connected to the power supply? Is the cable from the power supply to the control module junction box in place?
- b) With the power supply AC cord plugged into a live AC outlet, does the small light to the left of the white seat symbol (located on the switch) light up when the switch is pressed repeatedly or is there any indication of massage operation?

⚠ WARNING: Disconnect the power cord from the AC outlet before performing the following steps!

- c) Is there any sign of external damage to the handheld pendant or wire?
- d) Is there any sign of external damage to the recliner?
- e) Do any of the cables show any sign of damage or pinch points?
- f) Are all cable connections to the control module in place? Are the connectors fully engaged?
- g) Are any of the connectors damaged?
- h) Are the wires within the connectors attached to the pins? Each wire may have to be tugged lightly to check if the wire is still crimped to the pin.

2. POST-INSPECTION:

- a) If improper or loose connections are found, reconnect them firmly (unless a loose wire has been found). Plug the power supply AC cord into a live wall socket and operate the unit through all functions.
- b) If the handheld pendant or wire is damaged, notify Graham-Field so that a handheld pendant can be sent for replacement.
- c) If damage to any other electrical cable or component, or disconnected wires are found, please notify Graham-Field.

3. ACTIONS:

- a) If full operation is restored, please advise Graham-Field of your successful outcome.
- b) If the fault cannot be corrected by simple re-connection, please inform Graham-Field of the results of your inspection in detail so that we may determine the appropriate action to be taken.

If you have any questions about the setup and / or operation of the Heat and Massage / Heat Only Unit, call the Graham-Field Technical Support Group at 1.770.368.4700.

CARE AND MAINTENANCE

⚠ WARNING: Inspect all components every three months and replace as needed.

EVERY THREE MONTHS

- Check and clean casters.
- Tighten bolts in each caster plate to ensure casters are secured tightly to frame.
- Check caster brakes.
- Check and clean legrest recline lever.
- Check recliner mechanism for operation in all positions, including Trendelenburg Position, with assistant seated in recliner.
- Wooden armrest caps are finished in a water-based urethane. To clean, wipe with a mild surface cleaner. Armrest caps should be disinfected with a bleach-based wipe.
- If optional side table and / or optional IV pole are installed, check all mounting screws for tightness.

UPHOLSTERY MAINTENANCE AND STAIN REMOVAL

We recommend cleaning at least once a week to extend the lifespan of the upholstery. This prevents dirt and other contaminants from building up and stains from becoming permanent. If there is a spill, wipe off any excess right away with a dry cloth, making sure not to spread it all over the surface.

- Clean the whole surface in circular motions using liquid hand soap (pH neutral) and water (1 part soap to 9 parts water). Wipe with a clean damp cloth to get rid of any excess soap.
- Repeat as needed and then let dry.

For Guardian, Patriot Plus, Renaissance and Savoy fabrics only

If there is any build-up that can't be removed with soapy water, then use this as a last resort. Mixture: 1 part isopropyl alcohol to 1 part water.

Info: Using alcohol on a regular basis can affect the properties of the product.

- Once a month, you can use a soft-bristle brush for a deeper cleaning.

Info: Light colors need more care, more often.

Info: The cleaning products recommended were used in a laboratory setting. Spradling Group® has no relationship with the manufacturers of those cleaning products.

Color Transfer

Certain clothing and accessory dyes (such as those used on denim jeans) may migrate to lighter colors. This phenomenon is increased by humidity and temperature and is irreversible.

Check compatibility when using this product in combination with painted or varnished surfaces.

Disinfectants

In addition to cleaning, healthcare facilities maintain disinfecting regimens to reduce the spread of infections. There is a wide variety of available biocides that include bleaches, peroxides and quaternary ammonium products, among others. They should always be used at the recommended dilution, never in concentrated form. To prolong the life of coated fabrics, the disinfectants should be rinsed off after each use.

Info: Misuse of disinfectants is the major source of surface deterioration. Spradling International, Inc.® continually evaluates cleaners/disinfectants, and a list of those tested can be found on their website.

Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan. Multiple factors affect fabric durability and appearance retention.

This information is not a guarantee and does not relieve the user from the responsibility of the proper and safe use of the product and all cleaning agents. The use of certain agents can be harmful to the surface appearance and lifespan of vinyl. Spradling, its agents, and assignees assume no responsibility resulting from the use of such cleaning agents to the vinyl.

Check compatibility when using this product in combination with painted or varnished surfaces.

Spradling Group® and Spradling International, Inc.® are registered trademarks of Spradling Holdings, Inc.

CDC RECOMMENDATIONS

CLEANING AND DISINFECTING STRATEGIES FOR ENVIRONMENTAL SURFACES IN PATIENT-CARE AREAS FOR VINYL UPHOLSTERY, WALL COVERINGS AND FLOORING

- Select EPA-registered disinfectants, if available, and use them in accordance with the manufacturer's instructions.
- Do not use high-level disinfectants / liquid chemical sterilants for disinfection of either noncritical instruments and devices or any environmental surfaces; such use is counter to label instructions for these toxic chemicals.
- Follow manufacturers' instructions for cleaning and maintaining noncritical medical equipment.
- In the absence of a manufacturer's cleaning instructions, follow certain procedures:
 - Clean noncritical medical equipment surfaces with a detergent / disinfectant.
 - Do not use alcohol to disinfect large environmental surfaces.
 - Use barrier protective coverings as appropriate for noncritical surfaces that are:
 - Touched frequently with gloved hands during the delivery of patient care.
 - Likely to become contaminated with blood or body substances.
 - Difficult to clean (e.g., computer keyboards).
- Keep housekeeping surfaces (e.g., floors, walls, tabletops) visibly clean on a regular basis and clean up spills promptly.
- Use a one-step process and an EPA-registered hospital detergent / disinfectant designed for general housekeeping purposes in patient-care areas where:
 - Uncertainty exists as to the nature of the soil on the surfaces (whether it is blood or body fluid or just normal dust or dirt).
 - Uncertainty exists regarding the presence of multi drug resistant organisms on such surfaces.
- Detergent and water are adequate for cleaning surfaces in nonpatient-care areas (e.g., administrative offices). Clean and disinfect high-touch surfaces on a more frequent schedule than minimal-touch housekeeping surfaces. Clean walls, blinds, and window curtains in patient-care areas when they are visibly dusty or soiled.
- Do not perform disinfectant fogging in patient-care areas.

- Avoid large-surface cleaning methods that produce mists or aerosols, or disperse dust in patient-care areas.
- Follow proper procedures for effective uses of mops, cloths, and solutions.
 - Prepare cleaning solutions daily or as needed, and replace with fresh solution frequently according to facility policies and procedures.
 - Change the mop head at the beginning of each day and also as required by facility policy, or after cleaning up large spills of blood or other body substances.
 - Clean mops and cloths after use and allow to dry before reuse; or use single-use, disposable mop heads and cloths.
- When performing low- or intermediate-level disinfection of environmental surfaces in nurseries and neonatal units, avoid unnecessary exposure of neonates to disinfectant residues on these surfaces by using EPA-registered germicides in accordance with manufacturers' instructions and safety advisories.

DISPOSAL AND KEY TO SYMBOLS

DISPOSAL

Lumex Recliner equipment and accessories can be disposed of.





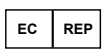

We recommend disassembling and dividing the equipment and components into different waste groups such as: metal, cable, electronic, recoverable resource and plastic for recycling or combustion.






Most plastic components are provided with a plastic types code and fiber content to aid sorting of plastic parts.

Product	Metal Scrap	Cable Scrap	Electronic Scrap	Plastic Recycling or Combustion
FR597G	X	X	N/A	X
FR597GH	X	X	X	X
FR597GHO	X	X	X	X
FR597P	X	X	N/A	X
FR597PH	X	X	X	X
FR597PHO	X	X	X	X

KEY TO SYMBOLS

The following symbols are used on Lumex Recliner product labels.

	MANUFACTURER
	FRAGILE, HANDLE WITH CARE
	CE MARK
	CAUTION
	EUROPEAN AUTHORIZED REPRESENTATIVE
	UNIQUE DEVICE IDENTIFIER

	GENERAL WARNING SIGN
	KEEP DRY
	ELECTRICAL AND ELECTRONIC EQUIPMENT
	CONSULT INSTRUCTIONS FOR USE
	MEDICAL DEVICE

TEST PARAMETERS

California Technical Bulletin CA TB133 Flammability Test
ANSI / BIFMA X5.4-2013 Sections 11, 12, 14, and 18

TECHNICAL SPECIFICATIONS

Specification	Series FR597		
Overall Height	45.5"	115.6 cm	
Overall Width	33"	83.8 cm	
Width Between Arms	24"	61 cm	
Arm Height from Floor	26.75"	68 cm	
Arm Height from Seat	Front Section	6"	15.2 cm
	Mid Section	7.75"	19.7 cm
	Rear Section	8.5"	21.6 cm
Overall Depth	Fully Upright	36.5"	92.7 cm
	Fully Reclined	64"	162.6 cm
	Trendelenburg Position	74"	188 cm
Back Angle	Fully Upright	120°	
	With Legrest Extended	139°	
	Fully Reclined	180°	
Back Height above Seat	31"	78.4 cm	
Seat Height	21"	53.3 cm	
Seat Width	23"	58.4 cm	
Seat Depth	20.5"	52.1 cm	
Recliner Weight	200 lb	91 kg	
Recliner Shipping Weight	240 lb	109 kg	
Maximum Weight Capacity, EVENLY DISTRIBUTED	350 lb	159 kg	

For complete technical specifications, call the GF Health Products, Inc. Technical Support Group at 1.770.368.4700.

ACCESSORIES

For your convenience, GF Health Products, Inc. offers the following accessories that may be purchased from your Lumex Distributor.

Item	Description
FR597GTBLMNT	Optional Side Table
FR597GIVMNT	Optional IV Pole Mount
2101	IV Pole

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:

Frame:three years
Mechanical components:three years
Heat and Massage Unit:two years
Heat Only Unit:two years
Casters:one year
Upholstered components:.....one year

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 1.770.368.4700, sending a fax request to 1.770.368.2386 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: 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 appropriate shipping documents and must be made with immediacy. International, federal and state 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 three (3) days of the invoice date.

INDEX

A

- Accessories, optional, operation 10
- Accessories, optional, purchasing 21

C

- Care and maintenance 17
- Caster, directional (swivel) 7
- Caster operation 7
- Casters, locking 7
- CAUTION statement, significance 3

D

- Description and features 6
- Disposal 20

F

- Footplate operation 9

H

- Heat and massage / heat only connection 11
- Heat and massage / heat only installation instructions 12
- Heat and massage / heat only, main components 11
- Heat and massage / heat only operation 14
- Heat and massage / heat only troubleshooting guide 16

I

- Important safety precautions 3
- Info statement, significance 3
- Intended use 3
- Introduction 3
- IV pole mount, optional 10

K

- Key to symbols 20

L

- Legrest, extending 8
- Legrest operation 8
- Legrest, returning to stored position 8
- Limited warranty 22

N

- NOTICE statement, significance 3

O

- Operation 7

P

- Packaging 5

R

- Recline operation 8
- Recliner operation 7
- Reclining, by caregiver 8
- Reclining, by patient 8
- Returning to upright position, by caregiver 8
- Returning to upright position, by patient 8

S

- Side table, lowering 10
- Side table, optional, operation 10
- Side table, raising 10
- Symbol key 20

T

- Technical specifications 21
- Test parameters 21
- Trendelenburg position, bringing the recliner out of 8
- Trendelenburg (shock) position 8

U

- Universal headrest operation 9
- Unpacking and assembly 5
- Unpacking the recliner 5
- Upholstery maintenance and stain removal 17
- Upholstery maintenance: CDC recommendations 18
- Upholstery maintenance: disinfectants 17
- Upholstery maintenance: every three months 17
- Upholstery maintenance for Guardian, Patriot Plus, Renaissance and Savoy fabrics 17

W

- WARNINGS 3
- WARNING statement, significance 3
- Warranty, limited 22



1.770.368.4700

Information contained herein is subject to change.
The most current and complete product information can be found on our website.
www.grahamfield.com



© 2014, GF Health Products, Inc. All Rights Reserved.

Lumex and Ortho-Biotic are trademarks of GF Health Products, Inc.

Tente is a trademark of TENTE GmbH & Co., FED REP GERMANY.

GF Health Products, Inc. is an ISO 13485:2016 / MDSAP Certified Company.



Designed, Engineered, and Assembled in the USA

**Manufactured by:
GF Health Products, Inc.
One Graham-Field Way
Atlanta GA 30340-3140**