

LUMEX[®]

A Graham-Field Brand

LF1030 HYDRAULIC PATIENT LIFT LF1040 ELECTRIC PATIENT LIFT



OWNER'S MANUAL

**CD001030-1040
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**IMPORTANT: READ THIS MANUAL BEFORE
OPERATING YOUR PATIENT LIFT**

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INTRODUCTION

Congratulations on your purchase of a Lumex patient lift. The following pages will provide you with important safety and operating instructions on the use of patient lifts, slings, and accessories, as well as maintenance and warranty information. Read this manual carefully before operating your patient lift and refer to it as often as needed. Consult your Lumex dealer and/or healthcare professional with any questions or concerns regarding safe and effective techniques for operating your patient lift.

DO NOT attempt any transfer without prior approval of the patient's healthcare provider. With their assistance, select the sling that best serves the needs, abilities, comfort and safety of the person being lifted. It is important that you use correct slings adapted to the body shape and weight and ability of the patient and the specific type of transfer needed.

Upon receipt of the patient lift, and prior to each use, inspect it closely to ensure that nothing is damaged, there are no loose or broken parts, that all patient lift parts are in the proper place, etc. Immediately replace any worn or broken components. Your patient lift should receive maintenance on a regular schedule and should be inspected daily for proper operation. Contact your Lumex dealer for service and repairs.

Before lifting anyone, thoroughly read the instructions in this manual. Observe a team of trained experts perform the lifting procedures. The operator should practice the entire lifting procedure several times with proper supervision and a capable individual acting as patient. It is extremely important to know how a patient will feel in the patient lift. We suggest that the operator try all the various lifting slings and equipment until the operator is confident with how the patient lift operates. The lifting procedures should be explained to the patient before the actual lifting. Remember that safety requires the constant attention of the lift occupant and the operator. Use extreme care and common sense when operating a patient lift.

This guide covers the use of the **LF1030 Hydraulic Patient Lift** and the **LF1040 Electric Patient Lift**. Keep in mind that the basic safety procedures included in this manual are to be used as a guide only. You may find it necessary to develop your own unique methods for safely utilizing the patient lift. Again, consult your healthcare professionals for their recommendations and never hesitate to ask for their assistance.

Note: Before attempting to assemble the patient lift, refer to the section titled "ASSEMBLY INSTRUCTIONS" contained elsewhere in this manual. Contact your Lumex dealer if additional assistance is needed.

SPECIAL NOTES



Warning: Do not operate this equipment without first reading and understanding this manual. If you are unable to understand the warnings, cautions and instructions, contact your dealer or a healthcare professional before attempting to use this equipment. Failure to do so may result in serious injury or damage to your patient lift.

MAINTENANCE

Maintenance **MUST** be performed by qualified personnel **ONLY**.



Warning: Warning notices as used in this manual apply to hazards or unsafe practices which could result in personal injury.

▲ **Caution:** Caution notices as used in this manual apply to hazards or unsafe practices that could result in property damage.

Note: Notes highlight procedures and contain information which assist the operator in understanding the information contained in this manual.

Note: The information contained in this document is based on the latest product information available at the time of publication. Graham-Field reserves the right to make changes at any time without notice.

Note: In this manual, the person being lifted is referred to as the “patient” or “occupant” and the person operating the patient lift is called the “operator” or “attendant”.

SAVE THESE INSTRUCTIONS AND KEEP WITH PATIENT LIFT AT ALL TIMES.

SAFETY PRECAUTIONS

IMPORTANT: Before using patient lift, please read and adhere to the following safety precautions and warnings. Failure to do so could result in serious injury or damage to your patient lift.

Always consult your healthcare professional to determine safe methods most suitable for your individual abilities. Protect yourself, your attendant and patient lift by having it serviced regularly. If you experience any malfunction, contact your Lumex dealer immediately, as a hazardous condition could result, causing personal injury or damage to your patient lift.

Periodic inspection, adjustment and replacement of worn parts are necessary to provide years of excellent service.

WARNINGS



Warning: Check all parts for shipping damage before using. In case of damage, DO NOT USE the equipment. Contact the carrier or your authorized Lumex dealer for further instructions.



Warning: Patient lift may tip over if used incorrectly. Read and adhere to the operating instructions prior to lifting anyone.



Warning: When transferring a patient, always keep the patient centered over the base.



Warning: This patient lift is designed for transfer only. It is not intended to be used for transporting or moving a patient from one location to another.



Warning: The LF1030 Hydraulic Patient Lift / LF1040 Electric Patient Lift maximum weight capacity is 400 pounds.



Warning: Ensure that all loops on the lifting slings are correctly attached to the hooks to prevent the patient from sliding or falling out of the sling, which could result in personal injury. Never use the patient lift to lift or transfer anything other than a person.



Warning: Do not lock the brakes or block the wheels when lifting. The casters must be FREE to roll to allow the patient lift to stabilize itself when the patient is initially lifted from a chair, bed, or any stationary object.



Warning: To ensure stability while transferring a patient, the patient lift legs should be locked in the maximum open position.



Warning: Replace any worn or broken parts immediately! Torn, cut, frayed, or broken slings can fail, resulting in personal injury. Use slings that are only in good condition.



Warning: Unauthorized modification of your patient lift or the use of non-Lumex replacement parts may change the structure of the lift and could create a hazardous condition, which may result in serious injury and will void the warranty.



Warning: LF1030 Hydraulic Patient Lift only: The hydraulic pump is sealed at the factory. If service is required, the unit must be returned to the factory for repair. DO NOT attempt to open the hydraulic pump or obtain local service; this will void the warranty and may result in damage to the unit. Consult your Lumex Dealer for further information.



Warning: LF1040 Electric Patient Lift only: The electronics and actuator contain no serviceable components. If service is required, the unit must be returned to the factory for repair. DO NOT attempt to open the electronics or actuator or obtain local service; this will void the warranty and may result in damage to the unit. Consult your Lumex Dealer for further information.



Warning: Use custom made slings if the patient has special disabilities and standard slings cannot be used. Contact your authorized Lumex dealer for further information. Lumex slings are designed to be used in conjunction with Lumex patient lifts.

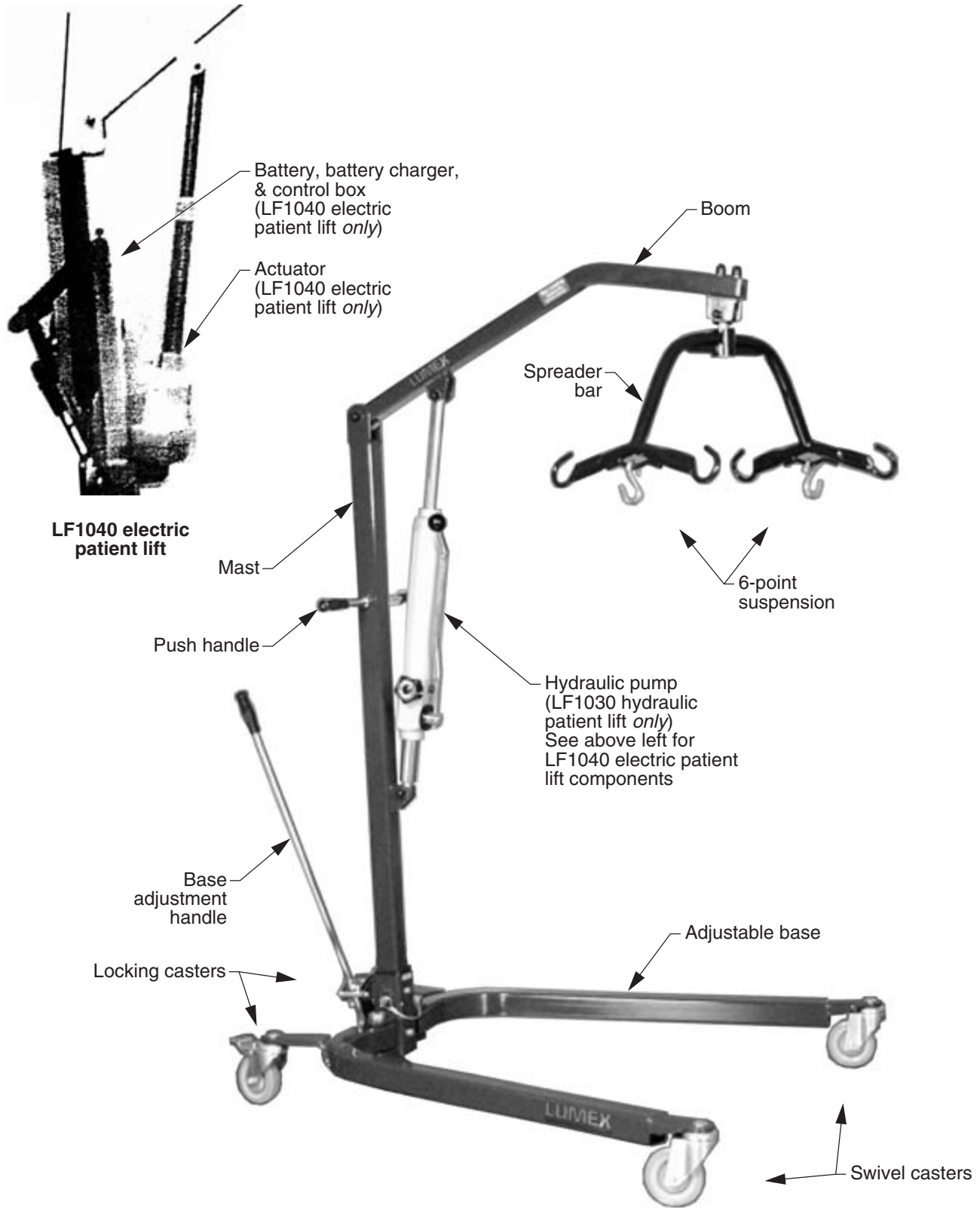


Warning: Use extreme care, caution, and common sense when utilizing a patient lift. Special attention must be given to patients who are disoriented and cannot cooperate while being lifted, such as comatose, agitated, spastic, or mentally confused persons. Consult their healthcare professional for assistance in lifting these types of patients.



Warning: Lumex 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.

FEATURES



**LF1030 hydraulic patient lift
LF1040 electric patient lift
(unless otherwise specified,
callout applies to both lifts)**

HANDLING PROCEDURES

SHIPPING AND TRANSPORTATION INSTRUCTIONS

If the patient lift is to be reshipped by common carrier, it should be packed in the same carton/s in which it was received (the LF1030 is shipped in one carton; the LF1040 motor may be packaged separately from the frame).

Unpacking

1. Check for any obvious damage to the carton or its contents. If damage is evident, notify the carrier or your authorized Lumex Dealer.
2. Remove all loose packing from the carton.
3. Carefully remove all the components from the carton.

Note: Unless the patient lift is to be used immediately, retain boxes, containers and packing material for use in storing until use of patient lift is required.

Inspection

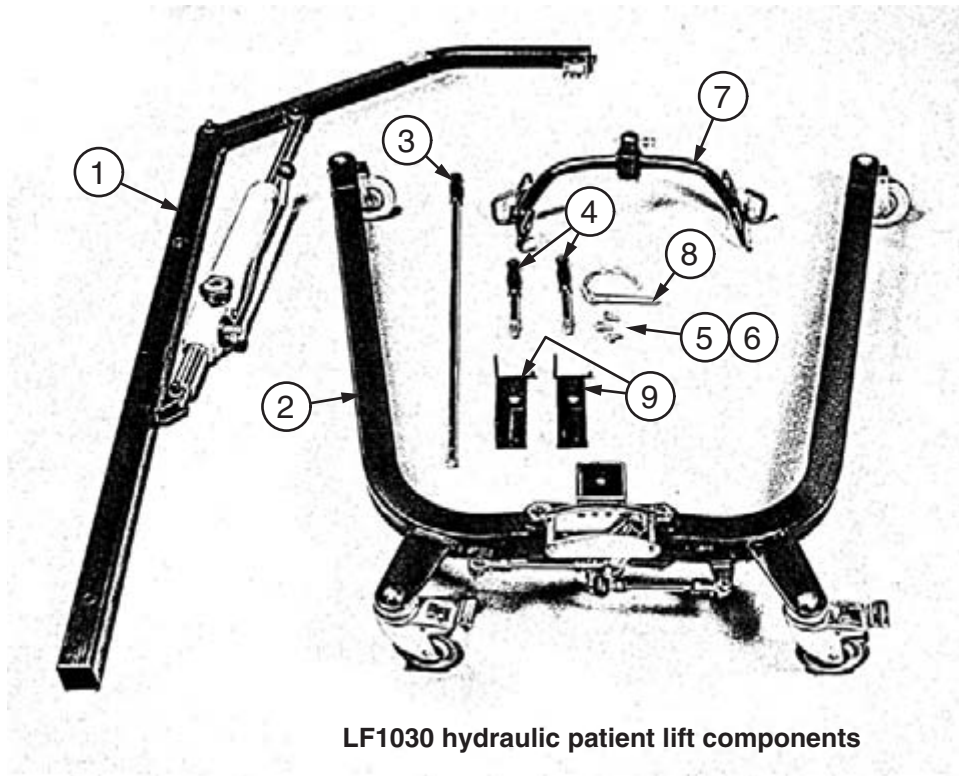
1. Examine the exterior of the patient lift for nicks, dents, scratches or other damage.
2. Inspect all components.

Storage

1. Store the repackaged patient lift in a dry area.
2. DO NOT place other objects on top of the repackaged patient lift.

ASSEMBLY INSTRUCTIONS

The LF1030 patient lift is packed in one carton. The LF1040 motor may be in a separate carton. Components are shown in illustration below and called out in list below illustration.

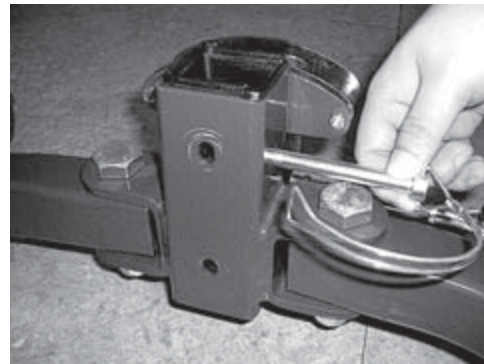


LF1030 hydraulic patient lift components

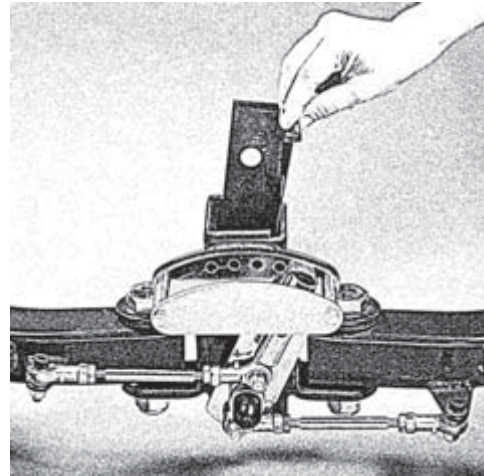
<u>Item</u>	<u>Qty</u>	<u>Description</u>
1)	1	Mast/Boom/Pump assembly (LF1030)
	1	Mast/Boom/Actuator assembly (LF1040)
2)	1	Base
3)	1	Base adjustment handle
4)	2	Push handle
5)	2	Mast attachment bolt
6)	1	Base adjustment handle bolt
7)	1	Spreader bar
8)	1	Locking pin
9)	2	L insert

Assembly

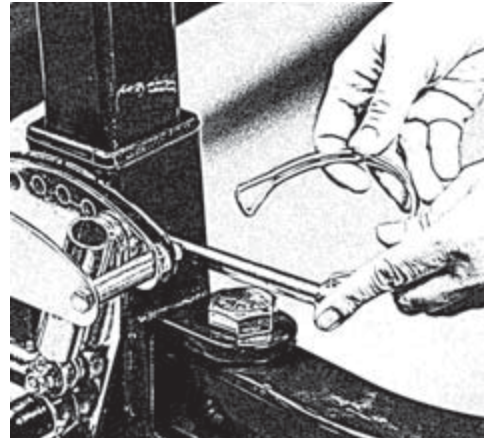
1. Remove the locking pin from the mast sleeve located on the rear of the base.



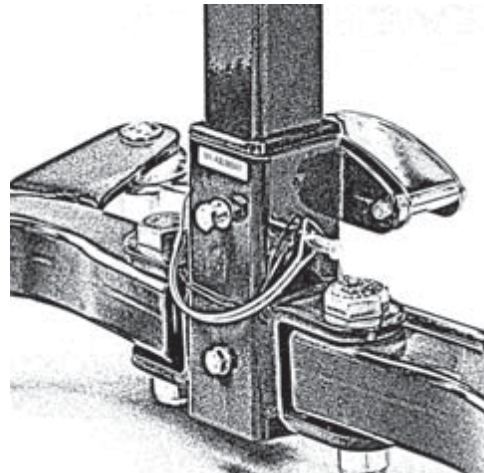
2. Install the L-inserts in the base.



3. With the boom pointed in the same direction as the base legs, insert the mast into the sleeve.
4. Insert the locking pin through the holes of the sleeve and mast, and attach the locking cable to the end of the pin.



5. Screw the two mast attachment bolts into the holes in the sleeve of the base.



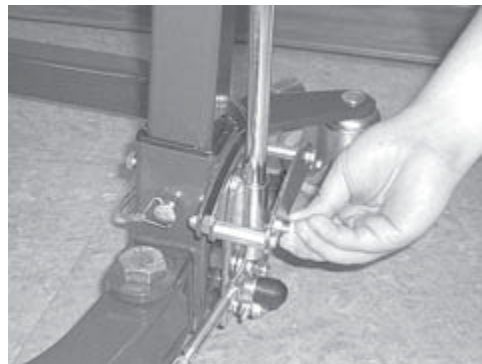
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- Screw the push handles into the mast and tighten the nuts.



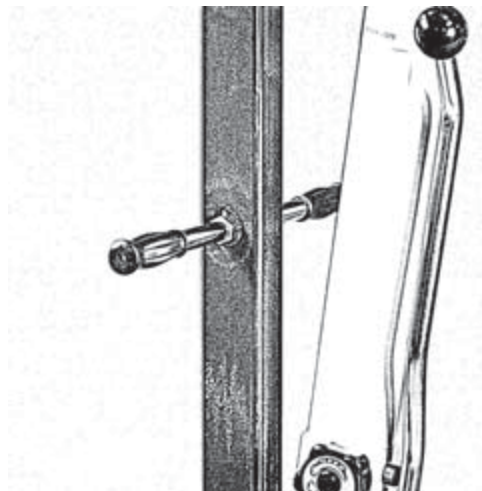
- Remove the bolt from the top of the spreader bar, taking care not to drop the pin assembly. Install the spreader bar in the U bracket at the end of the boom. Align holes. Insert bolt and tighten.



- Install the base adjustment handle in the socket located behind the mast sleeve on the base. With base handle to the far right position, insert and tighten base attachment bolt to ensure that the handle is firmly attached to the base.

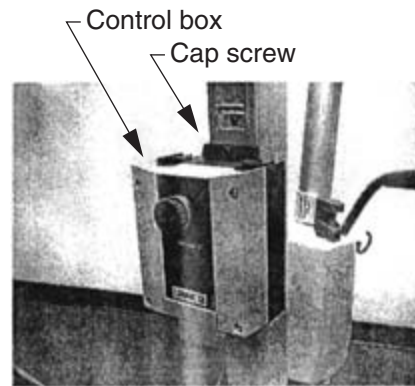


- LF1030 only: For shipping purposes, the boom is in its lowest position. To elevate, turn the pump knob clockwise until hand tight and operate the pump handle.



Note: Steps 10-13 apply to LF1040 Electric Patient Lift only.

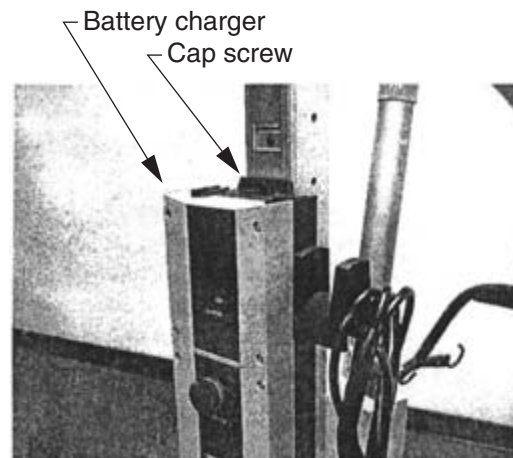
10. Attach control box using 5mm cap screws as shown at right.



11. Attach battery charger using 5mm cap screws as shown at right.

12. Clip battery onto unit.

13. See following *Electrical connections* section.



Electrical connections (LF1040 only)

The control box is the heart of the electrical system; into it plug the hand control, battery, and battery charger (depending on battery charger options). Ensure that all plugs are seated firmly in the proper receptacles.

When standing behind the patient lift, the hand control connection is on the far left of the control box. Ensure that the marks on the control box and the hand control plug are aligned, and then firmly insert the hand control plug. Immediately to the right of the hand control connection is the motor connection. Insert the hand control plug firmly in its receptacle (this plug has nothing to align).

Charging the battery (LF1040 only)

The battery used on the LF1040 has an audible alarm that sounds when the battery charge has been depleted by 50%. Charge the battery as soon as possible upon hearing this alarm.

Note: This patient lift uses a lead acid battery. Charge the battery fully before initial use. To increase the longevity of the battery, keep the battery fully charged when not in use. Battery charging time is approximately four hours.



Warning: After the alarm sounds, there could still be sufficient battery power left to lift a patient. Be aware that a lifted patient cannot be lowered when the battery is discharged. Refer to the *Emergency Procedures* section that follows for discharged battery operation.

Charging the battery with lift-mounted battery charger: With control box, battery charger, and battery assembled, insert the battery charger plug into a standard 110V receptacle. A green light signifying power and a yellow light signifying that the battery is charging will illuminate on the battery charger. When the battery is fully charged, the yellow light will shut off. The lift is now ready for use.

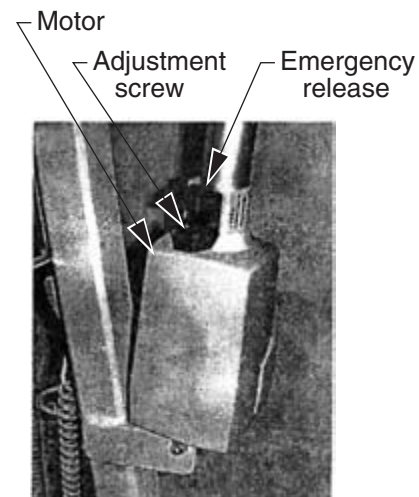
Note: The patient lift will not operate during lift-mounted battery charging.

Charging the battery with wall-mounted battery charger: Remove the battery from its bracket on the patient lift by placing your hand on top of the battery, curling your fingers behind the battery, and pulling up on the metal handle. Pull the battery up and toward you to remove. Place the battery on top of the wall-mounted battery charger. A green light signifying power and a yellow light signifying that the battery is charging will illuminate on the battery charger. When the battery is fully charged, the yellow light will shut off. When battery charging is complete, place the battery back on the patient lift. Ensure that the tabs on the battery are fully engaged with the bracket. The lift is now ready for use.

Emergency Procedures (LF1040 only)

Emergency stop: The control box is equipped with a red **Emergency Stop** button. This button is to be used in the event the hand control ceases to function correctly. To engage, hit the button firmly with the palm of your hand. The button will lock in the depressed position, stopping all motor functions. To disengage, turn the button clockwise, and it will return to its normal position.

Emergency lowering: The motor is equipped with an **Emergency Release**, which is located on top of the motor as shown in the picture at right. To engage, pull up on the release, which will disengage the gearing in the cylinder, and lower the patient. The emergency release is adjustable by turning the screw adjacent to the pull stem. Turn the screw clockwise to increase and counter-clockwise to decrease the sensitivity of the release mechanism.



! **Warning: Use caution when using the emergency release. Pull back slowly on the release, which will gradually lower the patient. Pulling back too quickly could cause the patient to be lowered too rapidly, which could result in serious injury. Do not, under any circumstances, use the emergency release for lowering the patient when the hand control and battery are operating correctly. The emergency release should not be used in lieu of the hand control and battery.**

OPERATING INSTRUCTIONS

LIFTING THE PATIENT

Lifting the patient from a bed

1. Roll the patient onto their side. Place the folded sling behind the patient's back. The center of the sling should be parallel with the patient's spine. Roll the patient onto their back on top of the sling.
2. Pull the leg loops forward and under the thighs.
3. Cross the loops, one through the other.
4. Roll the patient lift under the bed, locating the suspension over the patient. Be careful not to lower the suspension onto the patient. Center the suspension over the patient before lifting.



Warning: The casters should not be locked!

5. When all four loops are hooked onto the suspension, raise the patient carefully. If the patient is in a hospital bed, it will help to raise the head section of the bed. Repositioning of the patient may be needed to ensure that a safe and comfortable sitting position is attained as the patient is raised. Reposition using the handle on the back of the sling.
6. Raise the patient until the buttocks are just above the mattress. Lift the patient's legs and turn the patient to face the lifting column. When clear of the bed, and if practical, lower the patient so that the patient's feet rest on the chassis. If possible, lower the bed before lifting. Move the patient lift away from the bed. Ensure that the occupants arms and legs clear the patient lift, bed, or any other obstacles.



Warning: Do not attempt to transfer a patient without prior approval of the patient's healthcare professional and without having read the instructions and practiced using the patient lift.



Warning: Use special care for those patients who cannot cooperate while being lifted.



Warning: Ensure all bolts, hooks, and loops are securely fastened.



Warning: Attendant(s) should practice "Good Body Mechanics" when positioning a patient onto any seating surface.



Warning: Use only Lumex slings with Lumex patient lifts.



Warning: Torn, cut, frayed, or broken slings should not be used as injury could result.



Warning: Ensure the floor area is clear of any obstacle that could cause a caster to stop and possibly tip the patient lift.

Lowering the patient onto a bed

1. Raise the patient lift until the patient's buttocks are above the surface of the bed. Ensure that there are no obstacles underneath or around the bed. Move the patient lift under the bed. Be careful the patient does not hit any portion of the bed and that the patient's legs have cleared the bed.
2. Center the patient over the bed, and rotate the patient to face the foot section of the bed. Carefully lower the patient onto the bed. It may be necessary to support the patient's head while being lowered. Remove the sling by reversing the procedures used when lifting the patient.

Lifting the patient from the floor

1. Position the patient lift behind the patient, placing a pillow over the base to protect and support the patient's head and neck. Place the head of the patient carefully on the base. The patient lift should be positioned with the suspension centered over the patient.
2. Lower the suspension and attach the sling to the four hooks.
3. Lift the patient up above the floor. Position the patient in the sling by pulling the handle on the back of the sling. Turn the patient to face the lifting column, and place the patient's feet on the base, straddling the column for extra stability.

Lowering the patient to the floor

1. Place a pillow on the base to protect the patient's head and neck (This is unnecessary when using a sling with a head support).
2. Reverse the above procedures to lower.

Transferring the patient from a chair to a wheelchair

Note: It is recommended that two (2) attendants be used when transferring a patient to and from a wheelchair.



Warning: Wheel locks must be in a LOCKED POSITION before lowering the patient into the wheelchair for transport and for removing the patient from the wheelchair. Failure to do so could result in unexpected movement of the wheelchair, which may result in serious injury to both the patient and the attendants.

1. Fold the sling.
2. While maintaining support, gently lean the patient forward. Place the folded sling behind the patient's back and push it down until it touches the seat of the chair.
3. With the loops, pull the leg sections of the sling forward and beneath the patient's thighs. The loops are then crossed, one through the other.
4. Move the patient lift around to the front of the chair. When all four loops are hooked onto the suspension, carefully raise the patient.
5. Remove the chair and move the wheelchair into position.
6. Lock the wheels of the wheelchair to prevent movement.
7. Position the patient over the wheelchair with their back against the back of the wheelchair.

-
8. Slowly lower the patient into the wheelchair.
 9. With one (1) attendant behind the wheelchair and the other operating the lift, the attendant behind the chair should pull back on the handle or sides of the sling to place the patient into the back of the chair. This will maintain a good center of balance and prevent the chair from tipping forward.

Removing sling

Gently pull the leg sections to the side, out from under the patient's thighs. Standing by the patient's side, lean the patient forward while supporting the patient with one hand. Pull the sling up from behind the patient's back and position the patient in the chair.



Warning: Pulling sharply on the sling may cause the patient to fall forward, resulting in personal injury. Always support the patient by keeping one arm around the patient's shoulders when placing or removing the sling.

Note: If possible, the patient should be encouraged to take an active part in removing the sling. The patient can lean forward, lift their thighs, and help in removing the leg sections.

Transferring the patient from a bed to a wheelchair or commode chair

1. For smooth, easy lifting, have the wheelchair or commode chair in ready position.
2. With patient in center of bed, roll on side away from attendant.
3. Place sling halfway under patient with lower edge just beneath knees.
4. Roll patient to side toward attendant and center patient on sling.
5. With base of lift under bed, release pressure knob by turning counter-clockwise and pull down boom. Insert the S hooks on the chains into the holes of the backs and seats of sling. Ensure that the open end of the S hooks are away from patient.
6. Hook each chain at the red link onto the swivel bar securely.
7. Lock rear casters. Turn pressure knob clockwise until tight, and lift the patient by operating the pump handle.
8. Lift patient until feet will swing easily off the bed keeping patient facing attendant.
9. Unlock rear casters and position patient above wheelchair or commode chair. Lock brakes of both lift and wheelchair or commode chair.
10. Release pressure knob by turning counter-clockwise for gradual lowering of patient. During descent, assist patient to attain correct sitting posture.
11. For transfer to wheelchair or commode chair, when patient is seated, push down on boom to slacken chains and remove S hooks from sling. Patient can remain seated on sling.
12. For commode chair use, adjust clothing before moving lift to straddle commode chair. Keep chains taut and ensure that patient is in a comfortable position.

CARE AND MAINTENANCE

Proper care and maintenance is essential to keeping your Lumex patient lift in a safe operating condition. In addition to inspecting the unit before each use, periodic maintenance checks should be done. We further recommend that this unit be serviced at least once annually by an authorized dealer.



Warning: It is extremely important that the patient lift be inspected before each use. Ensure that all hardware and accessories are secure and that the actuator is functioning properly. Failure to do so could result in patient / attendant injury or damage to your patient lift. Torn, cut, frayed or broken slings can fail, resulting in serious injury. Only use slings in good condition. Inspect before each use. Destroy and discard old worn and unusable slings.

When you believe a component or part is not functioning properly, immediately contact your authorized Lumex dealer, as a potentially hazardous condition could exist.

Before each use

Before each use of the patient lift, ensure that:

- All nuts and bolts are tight
- The lift moves freely (with caster brakes off)
- Rear caster brakes operate properly
- Base adjustment mechanism operates easily
- Swivel bar S hooks are secured tightly
- The hydraulic pump operates properly (LF1030 only)
The electronic components operate properly (LF1040 only)

Battery

To increase the longevity of the battery, keep the battery on charge when not in use.

Lubrication

Your Lumex patient lift was designed with minimum maintenance in mind; however, a six (6) month check and lubrication should ensure that your patient lift will remain in peak operating condition. The casters **MUST** roll and swivel freely. Lightweight waterproof grease (such as automobile lubricant) should be applied to the ball bearings of the casters every six (6) months. Apply grease more frequently if the casters are exposed to periods of excess moisture. Lubricate all pivot points with lightweight oil. Clean patient lift of all excess oil and grease.

Before use of the patient lift, and every two months thereafter, place a drop of oil on the following areas:

- The point where mast and boom connect
- Swivel bar hooks
- Pump handle hinge
- Caster axles
- The point where pump and boom connect (LF1030 only)
The point where actuator and boom connect (LF1040 only)

Cleaning

Regular cleaning is recommended. A soft cloth, dampened with water and a mild NON-ABRASIVE detergent (household cleaner, soapy water, or hospital grade disinfectant) is all that is needed to clean your patient lift. Automobile wax or furniture polish will help maintain the finish over a long period of time.

DO NOT wash under water pressure or steam clean.

Checking for damage and wear

It is extremely important to frequently check the areas of the patient lift that are under a great deal of stress for damage and wear. These areas include slings, spreader bars, spreader bar suspension and mounting hardware, pump mounting hardware and all pivot points. Inspect for signs of cracking, fraying, deformation, and any loose components. Replace any defective parts immediately, and make certain that the patient lift is not used until repairs are made. Contact your authorized Lumex dealer for replacement parts.

Care of sling

Lumex slings are easy to use. They are washable at 150° F and autoclavable at 185° F for 30 minutes. The head support's plastic insert should be removed before washing. The slings can be dried by using a dryer on *LOW* heat or by hanging.

Note: Slings should not be bleached!

MAINTENANCE SCHEDULE

Note: Only qualified persons should service and repair your Lumex patient lift. Regular maintenance of your patient lift is necessary to ensure continuing proper and safe operation. Read and observe the following recommended maintenance schedule:

Item	Inspect initially	Inspect/adjust daily	Inspect/adjust monthly	Inspect/adjust every 6 months
Base and Casters				
Ensure that base is level (all four wheels touch the floor)	X		X	X
Ensure that caster mounting bolts and axle bolts are tight	X		X	
Ensure that casters swivel and roll freely	X		X	
Apply a light grease to caster ball bearings				X
Base Adjustments				
Ensure that base opens and closes smoothly	X		X	X
Ensure that base locks securely in three positions	X		X	
Ensure that locking knob is in place and operating properly	X		X	
Inspect all base hardware for wear			X	
Mast				
Ensure that mast is fully engaged and locked into mast sleeve	X		X	
Inspect mast for bends or deflections			X	
Inspect all mast hardware for wear			X	X
Boom				
Inspect boom for bends or deflections	X		X	
Ensure that boom is centered between the base legs	X		X	X
Inspect all boom hardware for wear			X	
Spreader Bar				
Inspect hanger post for wear or damage			X	
Inspect sling hook for wear or deflections			X	X
Inspect all spreader bar hardware for wear			X	X
Slings				
Inspect slings and straps for wear or damage		X		
Inspect metal/plastic parts for wear or damage		X		
Lubrication with light oil				
Lubricate all pivot points				X
Lubricate top and bottom of actuator mounting				X
Cleaning				
Clean with mild non-abrasive detergent				X
Pump (LF1030 only)				
Ensure that pump mounting hardware is tight	X		X	
Inspect pump mounting hardware for wear			X	
Electronics and actuator (LF1040 only)				
Ensure that battery is fully charged	X	X		
Inspect for proper up / down operation	X	X		
Ensure that mounting hardware is tight	X		X	
Inspect mounting hardware for wear			X	

TROUBLESHOOTING



Warning: If you experience a problem with your lift and are unable to service it yourself, contact your Lumex dealer.

LF1030 HYDRAULIC PATIENT LIFT

SYMPTOM	POSSIBLE CAUSE	ACTION
Patient lift does not go up or down	Air in the cylinder	Bleed the cylinder by turning the release knob and push down on the mast. Pump up the lift again and turn the release knob again.
	Loss of hydraulic fluid (leaking cylinder)	Replace any leaking cylinder
Patient lift does not go down	Air in the cylinder	See above Directions

Note: If the hydraulic cylinder begins leaking fluid, do not operate. Contact your Lumex dealer for a new cylinder.

LF1040 ELECTRIC PATIENT LIFT

SYMPTOM	POSSIBLE CAUSE	ACTION
Control box is not responding and relay is not clicking	Battery discharged	Charge battery
	Battery charger defective	Replace battery charger
	Battery defective	Replace battery
	Hand control defective	Replace hand control
Actuator does not run, but relay is clicking	Actuator plug not properly seated	Push actuator plug firmly into control box
	Actuator defective	Replace actuator
	Control box defective	Replace control box
Actuator goes up or down, but not both	Hand control defective	Replace hand control
	Control box defective	Replace control box

SPECIFICATIONS

Note: All dimensions given in inches unless otherwise specified.

LF1030 HYDRAULIC PATIENT LIFT / LF1040 ELECTRIC PATIENT LIFT

Base width

Open: 39.4"
Closed: 25.6"

Base height

(Clearance): 5-1/2"

Base length

45.30"

Lifting height range

Note: As measured from point where spreader bar attaches to boom.

Minimum: 27.4"
Maximum: 77.7"
Range: 50.3"

Mast height

55.1"

Weight capacity

400 lbs. (181 kg)

Caster size

4.00" diameter, both locking and non-locking

Weight

94.8 lbs.

Shipping weight

103.6 lbs.

LIMITED WARRANTY

NOTE: The warranty below has been drafted to comply with the Federal Law applicable to products manufactured after July 4, 1975. This warranty is extended only to the original purchaser/consumer or dealer/non-consumer who does not buy for resale and to no other purchaser or transferee.

Graham-Field warrants the **LF1030 hydraulic patient lift** against defects in materials and workmanship as listed below:

PRODUCT	WARRANTY PERIOD
Frame / Parts	1 Year
Hydraulic Pump	1 Year

Graham-Field warrants the **LF1040 electric patient lift** against defects in materials and workmanship as listed below:

PRODUCT	WARRANTY PERIOD
Frame / Parts	1 Year
Electronics	1 Year
Actuator	1 Year

The warranty period for the consumer commences on the first date a product is delivered to consumer by seller/dealer. If the product is rented or leased, the warranty period commences on the invoice date from Graham-Field. If Graham-Field does not have a completed warranty registration card on file for the consumer's product, a copy of the invoice showing date of purchase must be provided. Without a warranty registration card or proof of purchase date, warranty coverage shall commence upon Graham-Field's invoice date to the dealer/purchaser.

If within the warranty period, the product or component part is proven to Graham-Field's satisfaction to be defective, Graham-Field shall provide, at its option, one of the following: (1) repair or replacement of any defective or non conforming part or product, or (2) a refund of the original purchase price, less depreciation. GRAHAM-FIELD'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE LIMITED TO SUCH REPAIR, REPLACEMENT AND/OR REFUND. This warranty does not include any labor charges incurred in replacement part(s) installation. Freight charges to the manufacturer are at the expense of the consumer or purchaser, and will not be reimbursed.

LIMITATIONS AND EXCLUSIONS: The foregoing warranty shall not apply to serial numbered products if the serial number has been removed or defaced. Products subjected to negligence, abuse, misuse, improper operation, improper maintenance, improper cleaning, improper storage, or damages beyond Graham-Field's control are not covered by this warranty, and that evaluation will be solely determined by Graham-Field. This warranty shall not apply to problems arising from normal wear and tear or failure to follow instructions. This warranty shall also not apply to products modified without Graham-Field's express written consent; nor will it apply if parts are not manufactured by Graham-Field, or if parts not complying with original equipment specifications are added to a Graham-Field product, or if the product or part is serviced by an entity not authorized by Graham-Field.

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GRAHAM-FIELD SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state (province to province). Some states (provinces) do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty lasts, so the aforementioned exclusion and limitation may not apply to you.

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