



BATTERY OPERATED PATIENT LIFT
MODEL : PL-450LE
OWNER'S MANUAL



Thank you for choosing BestcareLift !

To better serve you, please record the following information:

Supplier Name : _____

Telephone : _____

Serial # : _____

Date of Purchase : _____

INSPECT YOUR MERCHANDISE

Upon receipt of your BestcareLift, verify that all merchandise is complete and free from any shipping damage. Refuse delivery if the packaging appears to be badly damaged. If the merchandise is received damaged or is missing components, contact the shipping company immediately and file a claim.

For further assistance, contact your local dealer or Bestcare, LLC.

Bestcare LLC.

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Alpharetta, GA 30005 U. S. A.
678-679-6690 OR 1-877-822-9033*

Web Site: www.bestcarellc.com

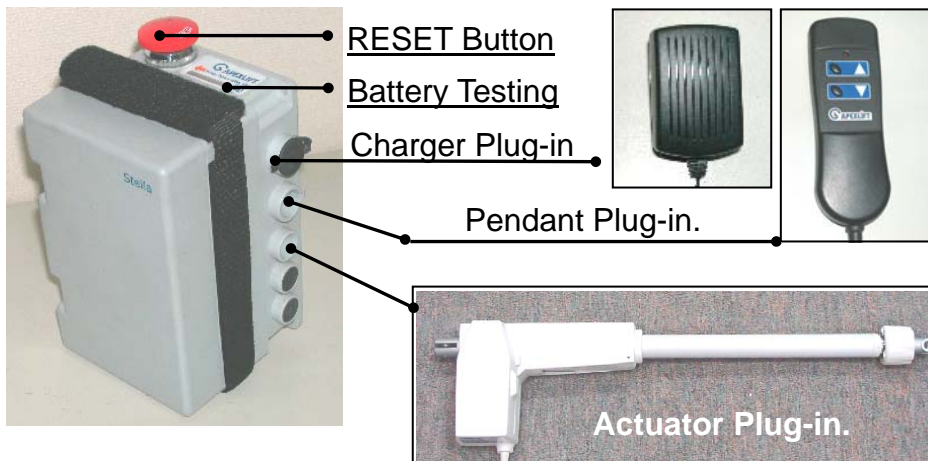
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Explosion chart of BestcareLift PL-450LE



- a. Boom
- b. Mast
- c. Base
- d. Spreader bar
- e. Pendant
- f. Actuator
- g. Control box
- h. Caster brake
- i. Front caster
- j. Emergency Lowering Device

Diagram of control box



SAFETY INSTRUCTIONS

The BestcareLift PL-450LE reflects innovative state of the art design to increase user mobility. The PL-450LE will provide years of service if it is properly maintained as any piece of electrical/mechanical equipment requires.

Please pay careful attention to the following important information regarding the care, maintenance, and operation of the BestcareLift PL-450LE Battery Operated Patient Lift. Carefully read these instructions before assembling the lifter, or attempting to lift any user with the device.

PLEASE NOTE THE FOLLOWING:

- Special care must be taken with users/patients who cannot themselves provide assistance while being lifted. (i.e. patients who are comatose, spastic, agitated, or otherwise severely handicapped.)
- The BestcareLift PL-450LE should be used solely for transferring a user/patient from one utility (beds, chairs, toilets, etc.) to another. The patient lift should not be used for transporting or moving any patient from one location to another location.
- During lifting or lowering, whenever possible, always keep the base of the lift in the widest position.
- The base of the lift should be closed before moving the lift.
- Do not roll casters over any object while the user/patient is in the sling.
- Do not lock casters during lifting.
- While being lifted in a sling, always keep the user/patient centered over the base and facing the caregiver operating the lifter.
- Maximum weight that can be safely lifted is 400 pounds.
- Never leave the user/patient unattended during lifting.

The BestcareLift PL-450LE lift allows a person to be lifted and transferred safely, with minimum physical effort provided by the caregiver. Before attempting to lift anyone, please practice operating the lift. Also prior to actual lifting, explain the lifting procedure to the user/patient.

WARNING!

Do not attempt to transfer a patient without prior approval of the patient's primary caregiver. Also, do not transfer without having studied the instructions and practiced operating the Lift and sling several times. Together with the patient's doctor, nurse, or medical attendant, select an BestcareLift sling that is both practical and comfortable. The sling selected should be one that serves the needs of the patient, while providing the patient with optimal safety. Never interfere with the lift, unless instructed by the attendant. Have a doctor, nurse, or medical attendant (experienced in the use of the BestcareLift PL-450LE) present during the first few times the lift is used to transfer a new user.

WARNING!

BestcareLift slings are specially designed for BestcareLift equipment. Do not use slings manufactured by other companies with any BestcareLift equipment. **USING NON-BESTCARELIFT SLINGS ON BESTCARELIFT EQUIPMENT IS UNSAFE AND MAY RESULT IN SERIOUS INJURY TO USERS AND CAREGIVERS.** Bestcare, LLC. is not responsible for any consequence resulting from the use of non-BestcareLift slings on BestcareLift equipment.

WARNING!

Do not put anything (e.g. cushion, pad, etc.) between the user and the sling. This may cause the user/patient to slide out of the sling and cause injury.

WARNING!

Avoid personal injury by making sure no children or pets are near the BestcareLift PL-450LE while it is being used.

WARNING!

Avoid personal injury by making sure all extremities (such as fingers, arms, legs, or feet) are clear of the lift mechanism while it is in operation.

WARNING!

Avoid personal injury and possible damage to the PL-450LE by making sure the maximum weight limit of 400 lbs. is not exceeded.

WARNING!

Replace any worn parts with only genuine BestcareLift parts. BestcareLift parts are not interchangeable with parts from other patient lift brands. Using other patient lift parts on BestcareLift products is unsafe and may result in serious injury to user and caregiver. Bestcare, LLC. is not responsible for any consequence resulting from the use of non-BestcareLift parts and components.

WARNING!

Avoid personal injury by making sure the battery charger is disconnected before conducting any electrical inspection. Contact your dealer if any electrical problem is detected.

WARNING!

Service and repair of BestcareLift equipment should be performed only by Bestcare, LLC. or by an authorized dealer. Bestcare, LLC. is not responsible for any consequence resulting from any unauthorized service or repair.

CAUTION

Avoid damage to the PL-450LE by keeping foreign objects from coming into contact with the lift mechanism.

NOTE

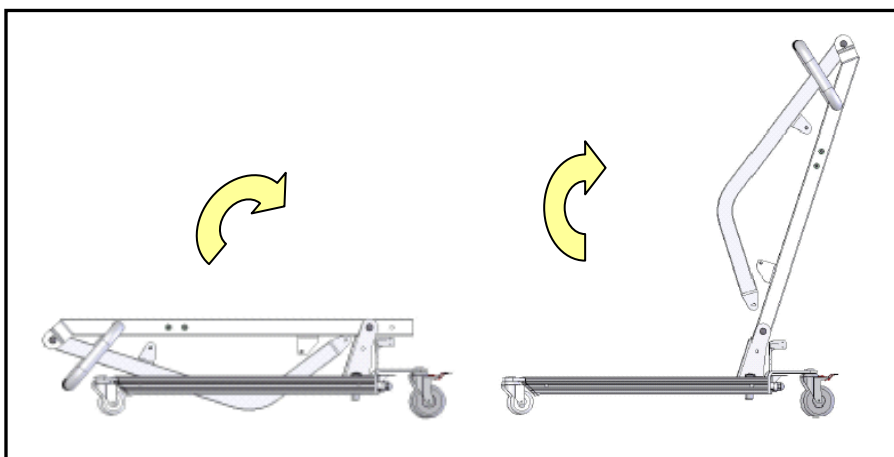
Arrange all necessary items (lift, slings, commode chair or wheel-chair) for a smooth procedure. The user/patient being transferred should be positioned in the center of the bed before being lifted, as well as when he/she is returned to the bed. Keep lifter base widened and brakes unlocked during lifting.

ASSEMBLY INSTRUCTIONS

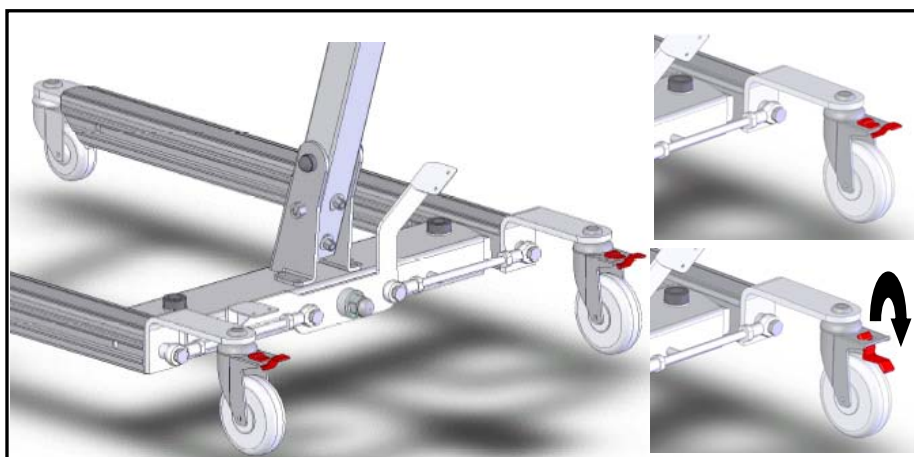
WARNING!

The lift is heavy. Therefore, avoid injury and **DO NOT** attempt to remove the lift from the box without any assistance.

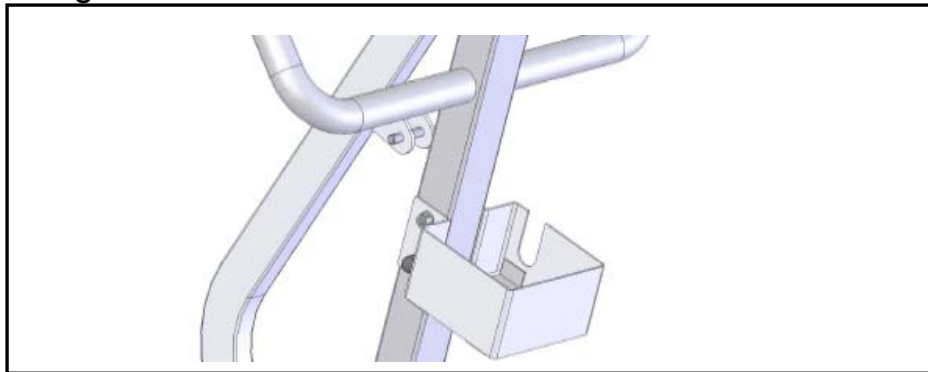
Assemble the patient lift in accordance with the following instructions:



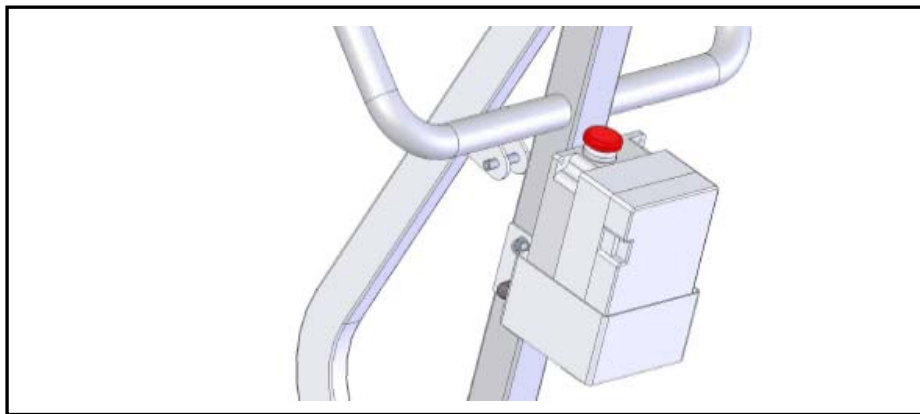
Step 1. Engage the brakes. Remove the bolts from the bottom of the mast and base. Pull the Mast, Boom and Spreader Bar to an upright position. Re-insert the bolts into the holes at bottom of the mast and tighten the nuts.



Step 2. Attach the Control Box Hanging Bracket to the Mast and tighten the nuts.

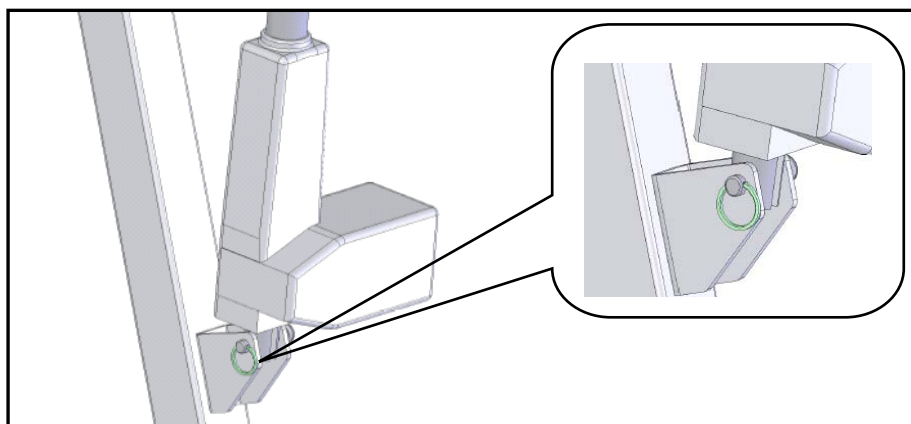


Step 3. Place the control box inside the bracket.

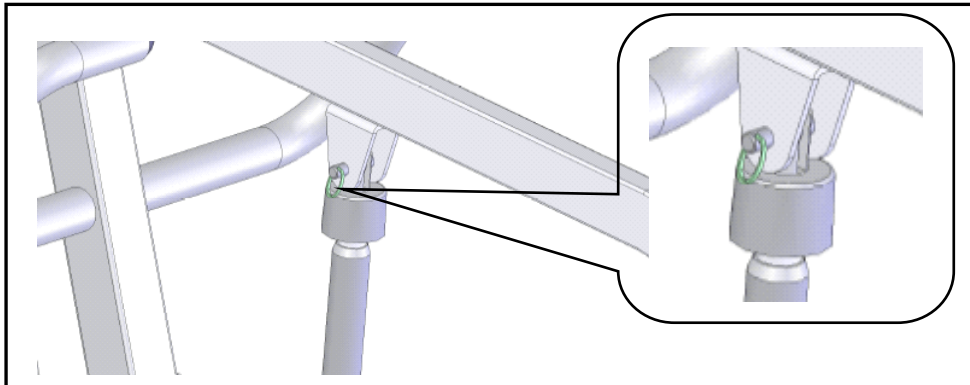


Step 4. Follow the following instructions to install the Actuator.

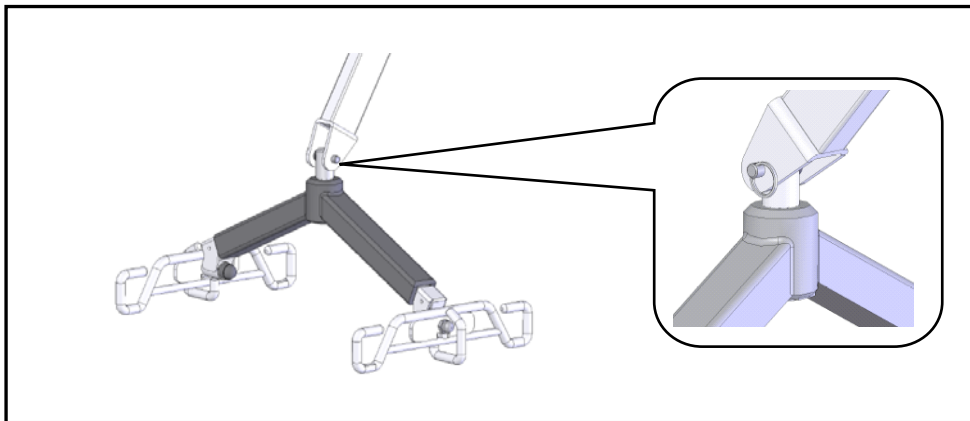
a. Attach the bottom of Actuator to the bracket on the Mast and insert pin. Insert keeper ring through hole in pin to secure base of actuator



- b. Attach the top of the Actuator to the bracket on the Boom and insert pin.** Insert keeper ring through hole in pin to secure actuator to upper bracket.

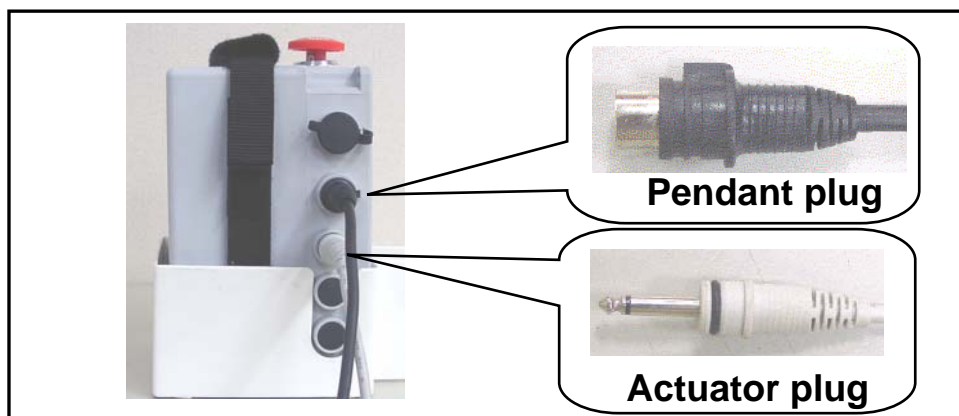


- Step 5.** Attach the spreader bar to the boom and insert pin. Insert keeper ring to secure spreader bar to boom.



- Step 6.** Insert the Actuator plug into the Control Box.

- Step 7.** Insert the pendant plug into the Control Box.



NOTE:

Prior to using the BestcareLift PL-450LE, charge the batteries for 10-12 hours.

MAINTENANCE & INSPECTION CHECKING LIST

The operator of the lift is to inspect the BestcareLift PL-450LE before each use. Check all bolts for tightness. Make sure the base can be easily widened, and that all lift parts are in place. Make sure all casters turn freely, and that the caster brakes can be engaged. Make certain all necessary items (i.e. slings, wheel chairs, etc.) are accessible and ready for use.

Check the battery capacity. See instructions below.

At least once a month, the lift should be thoroughly inspected by a person qualified to recognize any signs of wear, and looseness of bolts or parts. Replace any worn parts immediately.

To lubricate, place a drop of oil on the following points when the BestcareLift PL-450LE is serviced and every month thereafter---
Top of Mast, Spreader Hinge, and Caster Axles.

CHECKING BATTERY CAPACITY

CHECK BATTERIES, WHILE LIFT IS NOT IN MOTION, BY PRESSING THE BATTERY INDICATOR (BLUE CIRCLE WITH A BATTERY SIGN). THE STATUS OF THE BATTERY ARE INDICATED BY LED LIGHTS AND ARE LISTED IN THE FOLLOWING TABLE:

RED	AMBER	GREEN	GREEN	GREEN	STATUS
ON	ON	ON	ON	ON	FULLY CHARGED
ON	ON	ON	OFF	OFF	NEEDS CHARGE
ON	ON / OFF	OFF	OFF	OFF	CHARGE IMMEDIATELY.DO NOT USE THE LIFT.
ON	OFF	OFF	OFF	OFF	BAD BATTERIES OR BAD CONNECTION.

NOTE:

Checking the Battery Indicator while lift is in motion will not provide an accurate reading.

CHARGING THE BATTERIES

- Make sure the battery box power switch is “ON” (i.e. the red button is up).
- Insert the charger into the charging socket on the battery box (the top slot).
- Plug the charger to the power supply.
- All LED indicator lights should be "ON" while charging.
- When one green LED indicator light is illuminated, the batteries require approximately 2-3 hours to be fully charged.
- When only the red LED indicator light is illuminated, the batteries require approximately 7-9 hours to be fully charged.
- Do not charge the batteries over 12 hours.
- Unplug the charger FIRST before using the lift.
THE BestcareLift PL-450LE WILL NOT OPERATE WHILE THE BATTERIES ARE BEING CHARGED OR THE RED RESET BUTTON IS DOWN.
- Replace the batteries when frequent charging is required.

WARNING BUZZERS

The control box has a buzzer that provides you with information on the status of the batteries and the lift. To stop the buzzer, push down the RED RESET button or press the Battery Indicator.

BUZZER TYPE	STATUS	NOTE
2 beeps per second	Low Battery (red/amber lights on)	Charge batteries immediately.
3 beeps per second	Low Battery (red light on)	Charge batteries immediately.
6 beeps per second	Very Low Battery (no light on)	Charge batteries immediately.
3 beeps every other second	Bad Battery (no light on)	Replace batteries.
3 long beeps	Overloaded. Batteries are charged but lift does not lift.	Maximum load capacity exceeded.

Important Notes On Charging

Push lift to an appropriate location and charge the batteries with the charger provided. Avoid unplugging the hand control and motor from the control box. Frequent plugging and unplugging of the hand control and motor to and from the control box may damage the control box.

MAINTENANCE SCHEDULE

Item	In the Beginning	Monthly	Every 3 months
<p>Boom & Spreader Bar: Check connections between 1) Boom and Spreader Bar and 2) Boom and Mast for improper connection, looseness, or wear.</p> <p>Check the Boom for bending and deflection.</p>	●	●	
<p>Mast: Check the Mast for bending or deflection.</p> <p>Check the steering bar for damage or loose screws.</p>	●	●	
<p>Base & Foot Peddle: Check bolts and nuts for looseness.</p> <p>Check casters and axle bolts for tightness.</p> <p>Check rubber parts on the casters for deflection.</p> <p>Apply grease to caster ball bearings if needed.</p>	●	●	●
<p>Cleaning: As needed.</p>			●
<p>Actuator & Control Box: Make sure the control box is firmly affixed to the mast.</p> <p>Make sure the pins are firmly affixed the actuator to the Boom and the Mast.</p>	●	●	

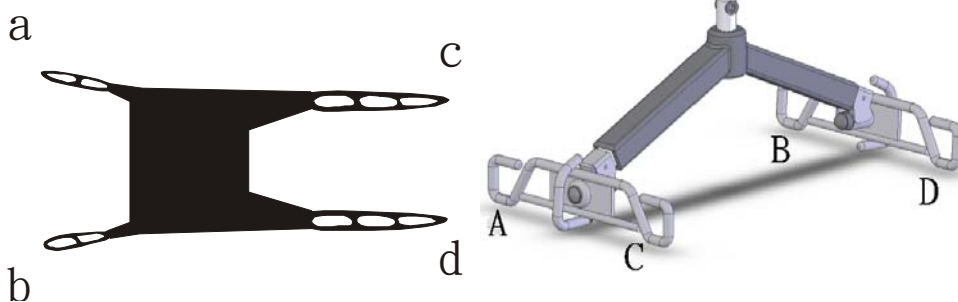
<p>Make sure the connecting cable of the actuator and the control box is not loose.</p> <p>Make sure the Battery Indicator has least 2 green LED lights illuminated prior to use.</p>	<p>●</p> <p>●</p>	<p>●</p> <p>●</p>	
<p>Slings & Sling Hardware:</p> <p>Check sling for wear.</p> <p>Check sling hardware every time before use.</p>	<p>●</p> <p>●</p>	<p>●</p> <p>●</p>	

OPERATING INSTRUCTIONS

NOTE: Turn the lift “ON” by turning the red “RESET” button clockwise. Turn the lift “OFF” by pressing down the “RESET” button.

Transfer From Bed

- User/patient should be in the center of the bed.
- Position user onto his/her side by rolling user towards you.
- Roll the sling in half, approximately. The handle on the back section should face outward when the sling is fitted.
- Position the sling under the user/patient so the commode aperture aligns with the base of the spine and top of the sling close to the neck.
- Roll user onto the opposite side and position him/her on the flat section of the sling. This will allow you to unroll the remainder of the sling from the other side of the user.
- Once the sling has been positioned centrally, feed the leg sections under the thighs and draw them up between the thighs.
- Raise the head of the bed if this function is available.
- Move the lift slowly towards the user and position the spreader bar over the user’s/patient’s chest.
- Attach Loop A of the sling to Hook A on Spreader Bar; attach Loop B to Hook B; attach Loop C to Hook C; attach Loop D to Hook D.



- Lift the user above the bed by using the hand control.
- Pull lift away from bed. Position user over the wheelchair or chair then lower the patient onto the surface.

Note: Reverse the above procedures when returning the user/patient to bed.

Transfer From Wheelchair

- Grasp the sling at each corner of the "U" shape of the commode aperture.
- The sling should be fitted with the grab handles on the back section facing outward.
- Help the user lean forward slightly, then slide the sling down between the chair and the user's back.
- Position the commode aperture where the buttocks meets the seat.
- Position the sling equally around both sides of the body.
- Draw the leg sections to the front along the length of the user's thigh.
- Check the sling's central positioning by comparing the lengths of the leg sections when they are drawn forward.
- Reposition the sling if the leg sections are not equal in length.
- Feed the leg sections under the thighs.
- From between the legs, gently pull the leg section up the inner thigh.

Feed as much material as possible under and between the thighs. Ensure the leg sections are positioned midway under the thighs to provide good support and greater comfort.

- Move the lift slowly towards the user and position the spreader bar over the user's chest.
- Attach Loop a of sling to Hook A on Spreader Bar; attach Loop b to Hook B; attach Loop c to Hook C; attach Loop d to Hook D.
- Lift patient above the wheelchair by using the hand control.
- Pull lift away from wheelchair. Position patient over bed and lower patient onto it.

Note: Reverse the above procedures when returning the user/patient to a wheelchair.

WARNING!

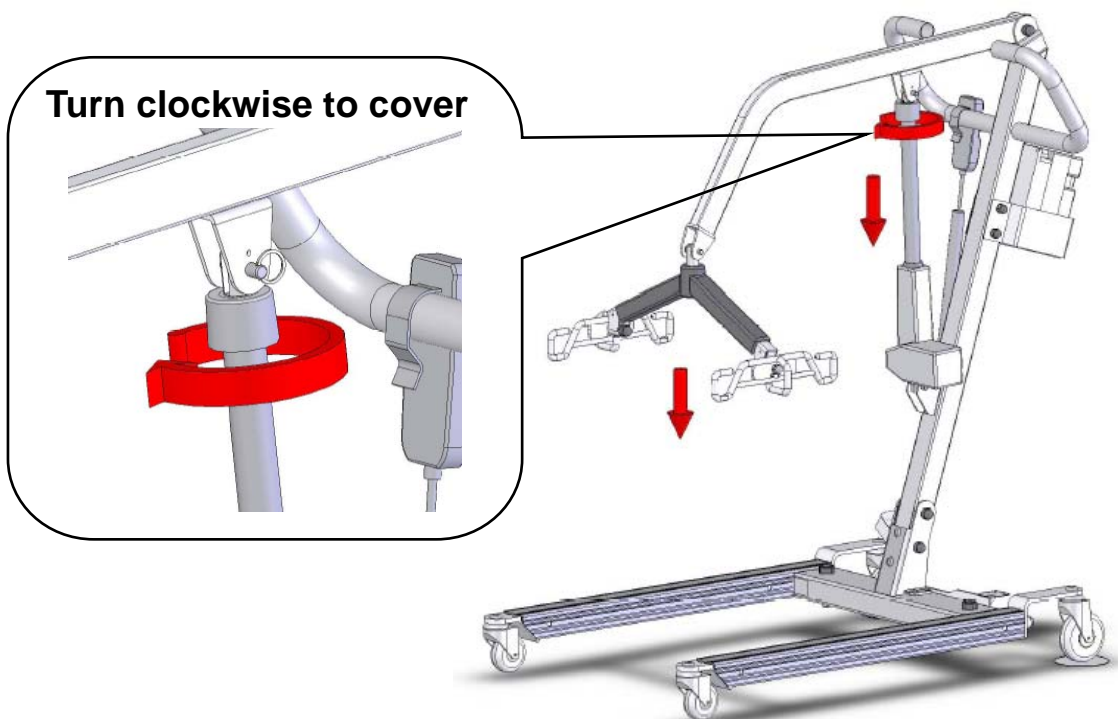
Use ONLY BestcareLift slings/products with BestcareLift equipment

EMERGENCY LOWERING MECHANISM

In case of lift failure while using the BestcareLift PL-450LE, please follow the procedures below to safely lower the user.

The Emergency Lowering Device is located at the top of the actuator shaft. It is intended for use if the actuator fails to operate while a patient is suspended. The device consisting of a plastic collar ring that should be turned clock-wise continually until the patient has been lowered.

Contact your dealer immediately if standard troubleshooting techniques do not correct the failure. Do not attempt to lift until all failure issues have been safely resolved.



NOTE:

THE EMERGENCY LOWERING DEVICE IS INTENDED FOR USE DURING LIFT FAILURE. THIS DEVICE WILL ALLOW LOWERING OF PATIENTS ONLY. PLEASE CONTACT YOUR DEALER IMMEDIATELY IN CASE OF FAILURE.

Troubleshooting Guide

The following list of encountered problems and solutions will assist you in determining what may be causing your Bestcare lift not to function as designed. If you have a problem occurring which is not listed below please contact your dealer or Bestcare technical support for help. Do not attempt to repair components or parts on your lift as this may invalidate your warranty or cause further problems that may result in patient injury. Stop using your lift immediately if it is not functioning correctly or any warning beeps are heard.

I need to re-charge my batteries often or they fail to hold a charge when I charge them

- Replace the 2 internal batteries as they are at the end of their life cycle
- Batteries should be changed every 18-24 months depending on usage

When I plug my charger into the control box I see no lights on the battery indicator

- Check to make sure the red re-set button is in the up position
- Check to make sure the charger is firmly in the control box and plugged into a wall socket
- Replace your charger as it is at the end of its life cycle
- If your charger is transmitting current then you need to replace your PCB board in the control box

My actuator makes a clicking sound when I attempt to use my lift

- Check to make sure the actuator plug is pushed into the control box so the O Ring is not visible
- Your actuator needs to be replaced as it is at the end of its life cycle
- Your PCB board in the control box may be malfunctioning

The actuator will either go up or down but not both

- Replace your hand control as it is at the end of its life cycle
- Your PCB board in the control box may be malfunctioning

There is a grinding sound inside the actuator when lifting

- Replace your actuator as the internal gears are stripped

The actuator stops and starts while lifting or lowering

- Replace your batteries as they are at the end of their life cycle

My lift will not operate even though it shows the batteries are charged

- Disconnect your charger from the control box as the lift will not work when the charger is attached
- Check to make sure the hand control is properly inserted to control box
- Check to make sure your actuator is properly connected to the control box
- Your hand control needs to be replaced as it is at the end of its life cycle

My lift will not operate and battery indicator has no lights illuminated

- Check to make sure the red re-set button is in the up position
- The internal batteries may not be connected together properly with the connection wires
- Batteries will no longer hold a charge and must be replaced
- Your PCB board is damaged and must be replaced

When lifting I hear 3 long beeps from the control box

- You are attempting to lift someone heavier than the safe working load
- Stop the lift and lower safely to bed or chair immediately

When lifting I hear short beeping sounds from the control box

- Charge the batteries
- Replace the batteries if they fail to hold a charge



**BESTCARE LLC
WARRANTY POLICY 2011
Effective March 7th 2011**

Bestcare LLC offers a limited warranty on all patient lifts, slings and accessories to be free of defects in workmanship and product performance. This warranty is extended only to the original purchaser/user and is therefore non transferrable. Any warranty claims must be submitted through an authorized dealer or distributor that sold the original product with proper proof of sale and serial number supplied. Prior authorization from Bestcare LLC is required for any warranty replacement and we reserve the right to replace parts and or accessories in lieu of sending complete new patient lifts. Dealers and distributors will be billed for any advance warranty replacement items shipped and credited at 100% only when the defective items have been returned to Bestcare LLC and proven defective. Product returned without a Bestcare LLC return authorization will be refused. Returns received 30 days after the issuance of a return authorization will also be refused as the authorization will have expired. The final disposition of warranty claims will be subject to our inspection of the returned items. Bestcare LLC has the right to determine valid claims based on the individual circumstances of each claim. Warranty claims will be denied should evidence of the following be determined:

- Misuse of product , modification of product or failure to maintain as per the owner's manual
- Serial number removed or defaced
- Normal wear and tear

Bestcare LLC warrants the following products and components for the time period specified:

- Lift frames and spreader bar: 3 years
- Actuator: 2 years
- Parts including casters, control box, PCB, pendant, charger: 2 years
- Batteries: 1 year
- Weigh Scale: 2 years
- Spryte stand aid all components: 2 years
- Hydraulic pumps: 1 year
- Reusable slings: 6 months

Bestcare LLC Single Patient Slings are designed for limited use with one patient and may not be washed. Bestcare will replace any disposable slings found to have a manufacturing defect. Normal wear and tear will not be covered under warranty.

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