



Park House

H e a l t h c a r e

PARK-LITE 180

Electric Hoist



User Manual

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IMPORTANT SAFEGUARDS

READ ALL INSTRUCTIONS BEFORE USING

Please read and follow the safety precautions listed below. Following these basic safety procedures will make lifting operations easy and trouble free.

WARNING - ALWAYS:

1. Carry out the daily check list before using the lift.
2. Plan your lifting operations before use.
3. Check the safe working load of the lift is suitable for the weight of the patient.
4. Familiarise yourself with the operating control and safety features before lifting a patient.
5. Check the sling is suitable for the patient and is of the correct size and capacity.
6. Fit the sling according to the instructions provided.
7. Carry out lifting operations according to the instructions in this user manual.
8. Maneuver the lift with handle provided.
9. Lift the patient to a suitable height to clear all transfer surfaces.
10. Check the lift is disconnected from the mains before moving.

DANGER:

1. Do not attempt to lift a patient unless you are fully trained and competent to do so.
2. Do not use a sling that is not recommended for use with this lift.
3. Never use a sling which is frayed or damaged.
4. Never disconnect or bypass a control or safety feature because it seems easier to operate the lift.
5. Do not lift a patient with the castor brakes on - always let the lift find the correct centre of gravity.
6. Do not attempt to maneuver the lift by pushing on the mast, boom or the patient.
7. Do not push a loaded lift at a speed which exceeds slow walking pace (3km/hour 0.8m/second)
8. Do not push the lift over obstacles i.e. cables, or uneven or rough ground - particularly whilst loaded.
9. Never force an operation/safety control - all controls are easy to use and do not require excessive force.
10. Do not park a loaded lift on ANY sloping surface.
11. Do not use electric lifts in a shower.
12. Do not charge an electric lift in a bathroom or shower room.
13. This lift is intended for patient lifting - DO NOT use it, or allow it to be used for any other purpose.
14. Do not bump the lift down steps whether loaded or unloaded.
15. Do not attempt to a loaded lift on a slope which exceeds 1:12 (approximately 5 degrees).
16. Do not attempt to maneuver a slope without a second helper being present.

NOTE, CAUTION AND WARNING STATEMENTS

NOTE	-	Information to which you should pay special attention.
CAUTION	-	Information for preventing damage to the product.
WARNING	-	Important safety information for hazards that might cause serious injury.

SAVE THIS MANUAL FOR FUTURE REFERENCE

1. INTRODUCTION

1.1 GENERAL INFORMATION

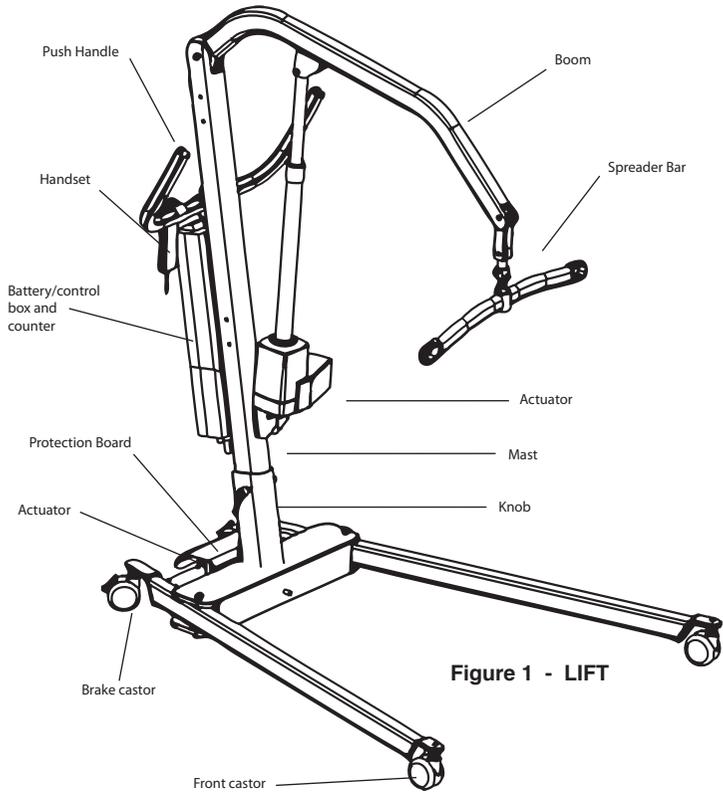


Figure 1 - LIFT

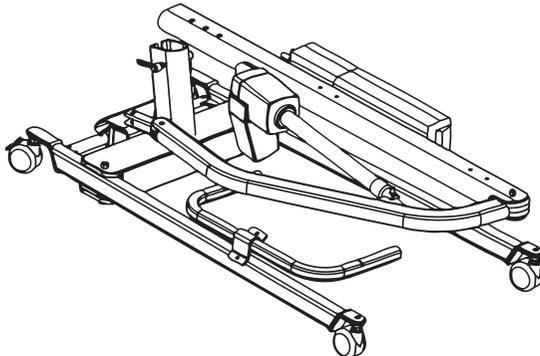


Figure 2 - LIFT IN STORAGE POSITION

Each lift is fully assembled, load tested and certified before being packed/shipped. The following documents are supplied and packed with each lift and should be kept safe for future reference:

- User Manual

To properly maintain your lift please refer to the maintenance schedule included in this manual or contact Park House Healthcare for further information.

Place the carton in a clear working area and open carefully. The carton should contain:

- Documents Package
- Handset
- Battery
- Battery Charger
- Handle Component (with screws)
- Sling bar component

WARNING - the lift is heavy and will need to be lifted with care. You may need assistance to lift the lift from the carton.

1.2 INTENDED USE

The intended use of the lifting device is to transfer an individual from one resting surface to another (such as a bed to a wheelchair). Moving a person in a sling over ANY distance is not recommended. This lift is suitable for lifting patients in the SITTING, SITTING/RECUMBENT and RECUMBENT positions. The following slings are suitable for use with the Park-Lite 180:

- Quick fit slings
- Full back slings
- Quick fit deluxe slings
- Long seat slings
- Access slings

2 PRODUCT DESCRIPTION

The Park-Lite 180 is a lightweight weight aluminum hoist designed with optimum wheel placement to provide a stable lifting process for all moving and handling situations, even when performing patient lifts from as low as the floor. The low chassis design and compact size means it can be easily maneuvered even when space is limited.

The fully electrically operated user functions allows carers to perform safe and secure lifts for patients weighing up to 180 kgs (28.3 stones) without the risk of injury to their neck or shoulders. The innovative Soft start/Soft stop function provides a smooth and efficient lifting process that is both safe and comfortable for the patient; whilst the option of a four point spreader bar and extra link arm ensure they maintain a natural lifting position in the sling.

Enhanced Safety Features

Fully equipped with enhanced safety features such as an anti-entrapment device (prevents the boom from lowering if it meets resistance) and an emergency quick release system the Park-Lite 180 is designed to ensure that patient safety is paramount at all times.

Service Diagnostic System

A unique service diagnostic system with visual battery status and service indicators is built-in to the control unit to enable the user to identify the condition of the actuator and assess if and when a service will be required.

Cycle Counter

The intelligent cycle counter records every cycle the lift makes when it is loaded i.e. lifting a patient. One cycle is defined as the actuator driving up for a minimum of 6 seconds (several activations allowed) followed by driving down.

Work Counter

The work counter records every movement the actuator makes regardless of whether the lift is loaded i.e. every second that the actuator drives up or down. This is measured in A*S (Amps * Seconds)

- Park-Lite 180 actuator: 10,000 cycles equates to 4,200,000 A*S

Overload Indicator

This will alert the carer if the lift is overloaded.

Service Indicator

The number of days until the next service is due is displayed visually on the power unit. The service light on the handset will illuminate and alarm to alert the carer when a service is required.

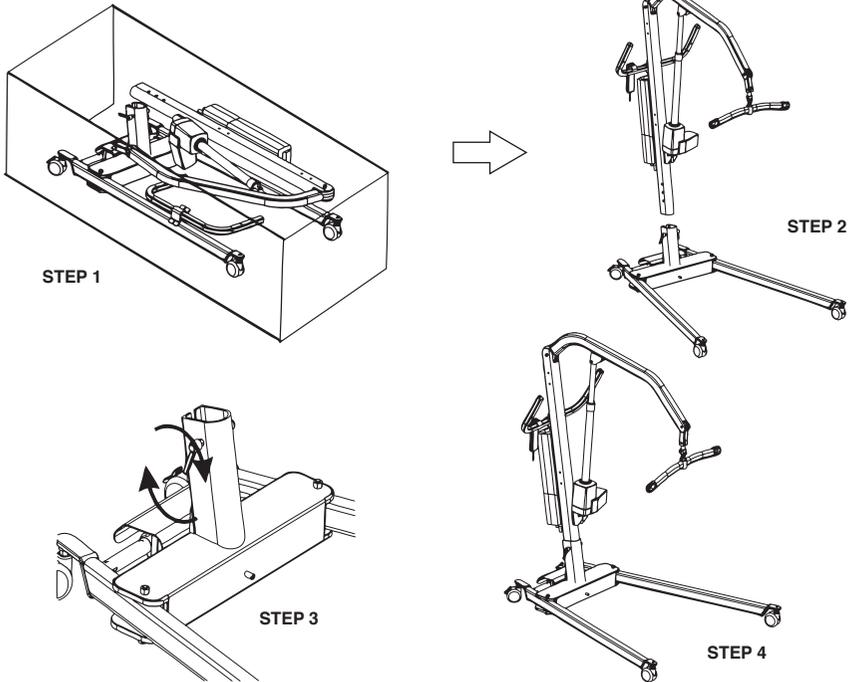
Battery Status Indicator

The battery status is displayed visually on the power unit and is also indicated on the handset. If the battery is critically low the alarm will sound to alert the carer that it requires charging.

3 INSTALLATION

1. Carefully remove all components from the carton and place on the floor, take care not to damage the finish.

Place the base of the lift on the floor in an upright position.



2. Assemble the mast and actuator. Follow the above steps to open the lift before installing the actuator.

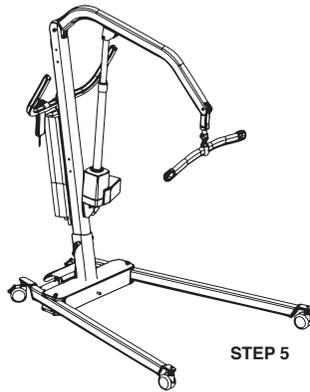
3. Ensuring the rear castors are securely locked drop the mast assembly upright using the top of the push handle, and drop the mast into the slot (step 2). Tighten the mast-locking device (step 3) and release the braked castors at the rear.

WARNING—Extra care should be taken when folding/unfolding the lift as there is a possible danger of trapping the fingers etc. Please follow the instructions carefully

5. Open legs fully. **ENSURE** leg-locking knob inserts flush against the base casting and the legs will no longer moves freely. The legs will then only operate by the use of foot actuator located at the rear of the base.

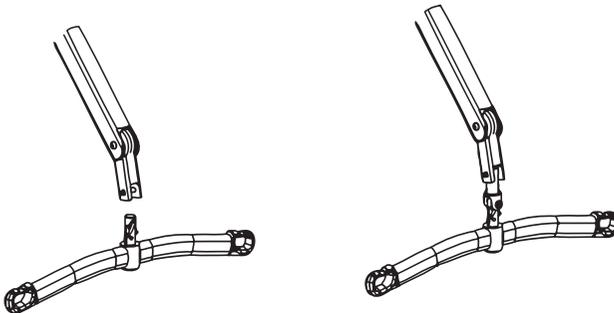
6. Release spreader bar from retaining cradle, and the lift is ready for operation.

ENSURE the cradle is securely locked (step 5)



3.1 ASSEMBLY OF THE SPREADER BAR

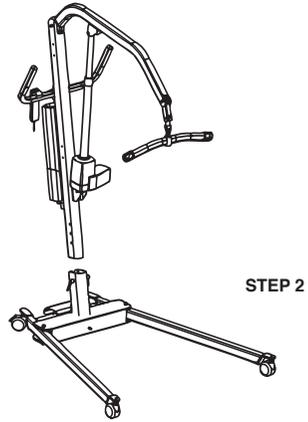
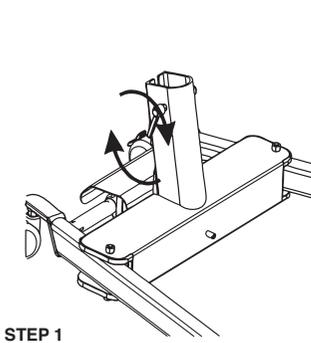
1. Take the spreader bar from the box, and test if the clip at the bar ends function well.
2. Install the spreader bar at end of the boom.



NOTE - ENSURE the spreader bar is securely installed before usage.

3.2 DISASSEMBLY

1. Lower the mast to the lowest possible position, and then insert the spreader bar into retaining cradle. Close legs tightly.

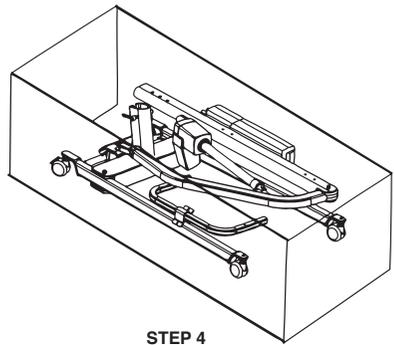
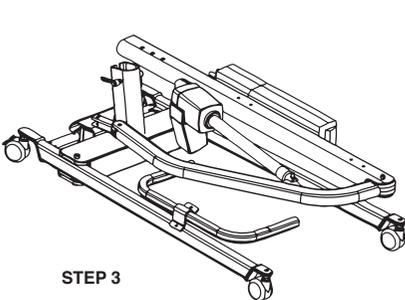


2. Loosen the knob on the mast, lift the mast and boom assembly and fold carefully toward the legs. Use the push handle to assist this motion.

NOTE - if you wish to separate the mast and boom completely from the base and legs, undo the mast locking device fully and lift the mast and boom completely free from the base. Be careful not to loosen the mast locking device knob and location spindle.

3. Disassemble the actuator and place it securely. Place all the components back in the box. Pull the restraining strap sharply upwards and extend over the wheels. (This will keep the legs, mast and boom neatly together during transport and storage).

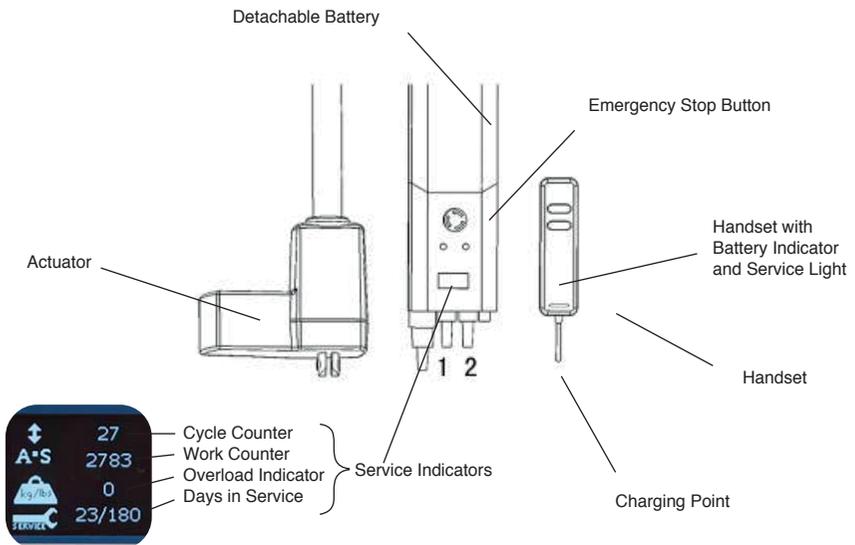
NOTE – Extra care should be taken when folding/unfolding the lift as there is a possible danger of pinching the fingers etc. Please follow the instructions carefully



4 OPERATION

ALWAYS CHECK THE FOLLOWING BEFORE OPERATION

1. The mast is fully locked into position
2. The legs of the lift open and close correctly.
3. The red emergency stop button, located on the rear of the control box, is in the OFF (out) position.
4. Push up and down buttons on the handset to make sure the boom rises and lowers.
5. Fit the power pack to the lift and make sure the latch holding the pack in place is fully engaged. "Click" in place



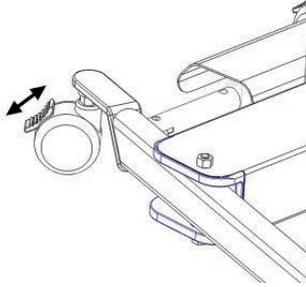
4.1 LEG ADJUSTMENT

The base width is adjustable to enable access around furniture. For transferring and maneuvering through narrow doorways and passages the base width should be in the closed position.

The base width is electrically operated by a control handset. The adjustment can be carried out with the patient in the lift, but whether loaded or unloaded the adjustment should NOT be made when the lift is moving.

4.2 CASTORS AND BRAKING

The lift has two braked castors, which can be applied for parking. When lifting make sure the brakes are released so that the lift can find the correct centre of gravity, this will prevent the hoist from tipping.



4.3 RAISING AND LOWERING THE BOOM

The movement of the boom is electrically operated by a control handset. The handset has two buttons with directional arrows indicating UP and DOWN. The actuator will automatically stop once the boom has reached its maximum/minimum position. The handset plugs into a socket at the base of the control box; there is a hook on the rear of the handset which allows it to be stored on the mast or boom when it is not in use.

4.4 EMERGENCY STOP

The Red Emergency Stop Button is located on the rear of the control box. Pressing this will stop all power to the lift. Power can be resumed by twisting the button counter-clockwise and releasing.

4.5 MECHANICAL EMERGENCY LOWERING

In the case of a complete electrical failure the electric actuator is fitted with a mechanical lowering device. This will only operate when the lift is under load. To activate pull upwards and a slow decent will commence.

4.6 BATTERIES

The batteries are protected by a low voltage alarm. The alarm will sound to indicate if the batteries need recharging; the alarm will only sound when the handset is operated.

As per the Batteries and Accumulators (Placing on the market) Regulations, Park House Healthcare Ltd will take back the battery from this equipment free of charge at the end of its life. Our battery producer registration number is BPRN00892.

4.7 SLINGS

The selected sling should be attached to the spreader bar hooks. Every sling is supplied with user instructions, please study the user instructions for the lift and sling before use.

4.8 CHARGING INSTRUCTIONS FOR THE LIFT

The batteries are located in the power pack and are charged through a socket at the base of the control box.

1. Insert the power supply plug into the charge point at the base of the control box with a straight push. DO NOT twist the plug in the socket.
2. Plug the charger mains lead into a suitable mains power outlet and switch the mains power supply on.
3. Charging is fully automatic. The LCD indicator indicates the status of the charging.

NOTE - Even if the charger is left plugged in for extended periods it will not allow the batteries to “overcharge”

4. To commence use of the lift, switch OFF the mains power supply and disconnect the charger mains lead from the mains.

4.9 OFF BOARD CHARGING OPTION

The lift features an off board charging option which can be activated by removing the battery and inserting it into the wall charger (this can be supplied separately). Charging is then automatic. To commence use of the lift simply replace the fully charged battery. The battery indicator will highlight the amount of charge that has been provided. It is recommended that the battery is fully charged before returning the lift to service.

WARNING:

1. The hoist will not function whilst charging is taking place. Check the lift is not charging before moving as the electrical connection may be damaged.
2. Be careful not to trip over the charge lead.

CAUTION:

1. Keep the batteries fully charged. Place the lift on the charge whenever it is not in use. The charger will not allow the batteries to “overcharge”.
2. Never run the batteries completely flat. If the audible warning sounds, complete the lifting operation in hand and place the lift on charge.
3. Never store the lift for long periods without regular charging throughout the storage period.
4. Always make sure the mains power to the charger is switched off before connecting or disconnecting the charger to or from the lift.
5. Never leave the charger plugged into the lift with the mains power off.
6. Never disconnect the charger plug by pulling on the cable.
7. Do not charge an electric lift in a bathroom or shower room.

5 CLEANING

The following guidelines are suggested by Park House Healthcare as being suitable infection control procedures. Further information is available upon request.

General cleaning may be affected by using a cloth dampened with a mild detergent and water solution. This approach may be followed either by wiping with a sodium hypochlorite solution to a dilution of 1000 ppm or by using an alcoholic wipe.

CAUTION –Avoid using harsh chemical cleaners or abrasives as these may damage the surface finish of the lift

WARNING - Avoid wetting any of the electric parts.

6. TRANSPORTATION AND STORAGE

During transportation or if the lift is not in use for any period of time the emergency stop button should be pushed in.

Any environment where the lift will be transported in or stored should have a temperature between 10°C and 40°C and a humidity range between 30% and 75%

7 MAINTENANCE

The lift requires minimum maintenance however; some safety checks and procedures are required. A list of replacement parts is available upon request.

7.1 DAILY MAINTENANCE

It is recommended to following checks be carried out on a daily basis and before using lift:

1. Make sure the lift moved freely on its castors.
2. Check the spreader bar is firmly attached to the boom.
3. Make sure the spreader bar is free to rotate and swing.
4. Examine the sling hooks on the spreader bar and side suspenders for excessive wear. If in doubt do not use.
5. Examine slings for fraying or other damage. DO NOT use any sling if any damaged is identified.
6. Make sure the legs open and close correctly.
7. Operate the handset to test the raising and lowering operation of the boom.
8. Ensure the low battery alarm is not sounding when the handset is operated. If the alarm sounds and place on charge immediately and DO NOT use.
9. Test the Emergency Stop Button to ensure it is operating correctly.

It is recommended that a thorough test and inspection of the lift and its accessories, slings, etc. are carried out on a regular basis. It is recommended that the following maintenance is carried out on a monthly basis:

7.2 MONTHLY MAINTENANCE

1 SPREADER BAR

- Check the spreader bar is free to rotate and swing.
- Check for wear and tear on the central pivot.
- Ensure it is firmly attached to the boom.

2 BOOM

- Check the boom is securely attached to the mast.
- Make sure there is only minimal side movement of the boom and it is free to rotate on the boom mounting.

3 MAST

- Check that the mast-locking device is operating correctly.
- Make sure the mast is fully engaged into the socket
- Check the bottom actuator unit mounting is secure.

4 ACTUATOR

- Check all operations are working correctly.
- Make sure there is no unusual noise coming from the actuator.

5 POWER PACK

- Test the Emergency Stop Button to ensure it is operating correctly.

6 BATTERIES

- Regular charging is advised as detailed in the charging instructions.
- Check that the connections remain clean.

7 LEG ADJUSTMENT

- Check the legs operate in both full extensions (inward/outward)

8 CASTORS

- Check all castors are attached securely to the legs.
- Make sure all castors/wheels can rotate easily.

9 LOAD TEST

- The load test should be carried out in accordance with the manufacturer's test procedures.

10 BASE AND WHEELS

- Ensure base is level (all four wheels are on the floor).

11 SLINGS

- Check for damage, wear and tear and fraying.

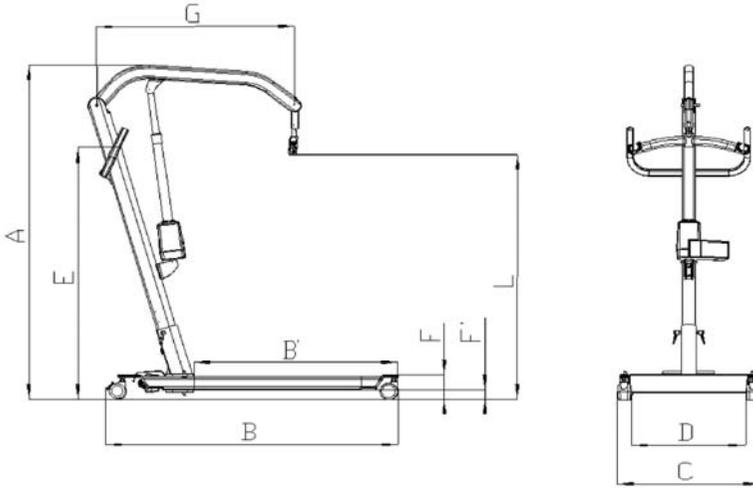
12 LUBRICATION

- Oil all pivot joints, including mast and boom connections, pedal assembly, and spreader bar joint (only if required).

8 TROUBLESHOOTING

PROBLEM	SIMPLE CHECKS	SOLUTION
The spreader bar will not operate up or down when the handset is pressed.	<ul style="list-style-type: none"> • Check that the emergency button is not pressed in. • Check the cables to the control box are connected correctly. • Check that the charger cable is connected to the mains power socket. • Check that the battery has adequate charge. 	Contact Park House Healthcare.
The base width adjustment does not work when the handset is pressed	<ul style="list-style-type: none"> • Check that the emergency button is not pressed in. • Check the cables to the control box are connected correctly. • Check that the charger cable is connected to the mains power socket. • Check that the battery has adequate charge. 	Contact Park House Healthcare.
Battery charger is not working	<ul style="list-style-type: none"> • Check that the emergency button is not pressed in. • Check the mains power is switched on. • Check that the mains power cable is securely connected. 	Contact Park House Healthcare.
The lift is stopping in the elevated position	<ul style="list-style-type: none"> • Check that the emergency button is not pressed in. • Use the emergency lowering function to safely lower the patient. • Check that the battery is adequately charged. 	Contact Park House Healthcare.
The lift will not reach its maximum lifting height	<ul style="list-style-type: none"> • Check that the battery is adequately charged. 	Contact Park House Healthcare.
Unusual noises/sounds can be heard	Contact Park House Healthcare.	

9 TECHNICAL DESCRIPTIONS



TECHNICAL SPECIFICATION	
Safe Working Load	28.3 stones / 180 kgs
Lifting Range (L)	Max. 173 cm Min. 44 cm
Overall Height (A)	Max. 195 cm Min. 130 cm
Leg Length (B)	114 cm
Internal Leg Length (B')	77 cm
Overall Width (C)	61 ~ 111 cm
Internal Width (D)	52 ~ 99 cm
User Height (E)	107 cm
Under Bed Clearance (F)	10.5 cm
Castors (F')	7.6 cm
Maximum Reach (G)	87 cm
Overall Weight	35 kgs
Turning Diameter	120 cm

10 GUARANTEES, WARRANTY AND SERVICING

10.1 Hoist

All new hoist models have a guarantee for a period of 5 years following the date of dispatch.

10.2 Battery

All new batteries have a guarantee for a period of 1 year following the date of dispatch.

10.3 Guarantee

The Company guarantees to repair or replace any equipment issued to its customers, which is found to be faulty during the relevant guarantee or warranty period.

The Company's guarantees are subject to the following conditions:

- a) That the equipment has been used for the purpose for which it was intended.
- b) That the usage has been on a 'fair wear and tear' basis.
- c) That the Company's cleaning / disinfection guidelines have been followed.
- d) That the Company's maintenance guidelines have been followed.
- e) That maintenance has been carried out by a Park House approved engineer.

10.4 Warranty

Extended warranties can be purchased from Park House Healthcare, for more information contact Customer Services on 0845 0600 333.

10.5 Claims Relating to Guarantee and Warranty

In the event of a fault being discovered within the warranty period, the customer must notify the Company at the earliest opportunity. If, upon inspection, the Company accepts liability then the equipment shall be repaired or replaced immediately.

If the Company does not accept liability it shall inform the customer of its reasons for declination and provide the customer with an estimate on either the repair or replacement cost. The Company reserves the right to alter or amend this document without prior notice.

10.6 Service Recommendations

The Park-Lite 180 should be serviced at least once annually, paying particular attention to parts which are subject to constant wear and tear. We recommend the lift should be serviced every 10,000 cycles, unless the service indicator alerts you beforehand. Servicing and repair work should be carried by a Park House Healthcare representative as per the guidelines stated in this user manual. For regular maintenance and inspection contracts a range of Service Solutions for the Park-Lite hoists are available from Park House Healthcare, for more information contact Customer Services on 0845 0600 333.



New Corporate Headquarters opened in October 2006

The Company

Founded in 1984, Park House Healthcare Ltd is recognised as one of the leading manufacturers of specialist pressure relieving and pressure reducing equipment in the U.K.

Park House Healthcare Ltd has an extensive product portfolio and the facility to customise products to suit customer needs whilst offering solutions in pressure care, postural management and moving and handling.

Employing over 100 full time staff at our 60,000 sq. ft state of the art Corporate Headquarters in West Yorkshire; Park House Healthcare are proud to offer in-house manufacturing, a full product audit and decontamination service and a network of distribution centres as part of our continued commitment to Customer Care.

24 hour care, 365 days a year dedicated internal personnel manage specific regions and divisions ensuring one on one personal customer service at all times. With distributors in over 25 countries, Park House Healthcare are a truly international company and we place important emphasis on providing high levels of customer care to ensure we exceed customer expectations at all times.

Additional support nationwide is available through our service centres situated strategically around the country.

Park House Healthcare Ltd is a respected member of the British Healthcare Trade Association and has BS EN ISO9001 and EN46002 accreditation which is the specific quality standard for Medical Devices. All products are CE marked in accordance with the European Directive 93/42/EEC.



ISO Certificate No: 8019
CE Certificate No: CA001810
Master Indemnity Assurance No: IFA 2433 0451 CCI

Due to its policy of continued development and improvement, Park House Healthcare Ltd reserves the right to amend any details and specifications without notice.

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UM-PARK-LITE 180


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5 JULY 2011

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