



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: IFA2433 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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REV 2



WARWICK ELECTRIC BED



User Manual



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8. Troubleshooting

Fault	No motors working when hand control operated?
Action	Check connection to mains electric power supply, hand controlled and main control unit.
Fault	One motor does not work when button is pressed?
Action	Check connection between motor and control unit.

WARNING - Any unauthorised modifications, adjustments or alterations will result in the warranty being invalid. Repairs should only be carried out by a suitably qualified competent engineer.

9. Technical Data

Width of Bed	910 mm
Length of Bed	1995 mm
Height adjustable from	395 mm to 850 mm
Length of side rail	2000 mm
Adjustable height of side rail from	35 mm to 660 mm
Backrest adjustable to	72 ± 2 degrees
Leg rest adjustable to	33 ± 2 degrees
Castors	5" with brake
Tension voltage	-230v / 50Hz
Power duration	max. 6 min/h (10%)
Noise level	65 dB(A)
Weight	125 kg (without mattress)
Safe work load	180 kg
Product conforms to	EN 1970:2000 EN 60601-1:1990 EN 60601-1-2:2002, EN 61000-3-2:2000, EN61000-3-3:1995+1:2001, IEC61000-4-2:1995+A1:1998+A2:2000 IEC61000-4-3:2002, IEC61000-4-4:2004 IEC61000-4-5:1995+A1:2000 IEC61000-4-6:1996+A1:2000 IEC61000-4-8:1993+A1:2000 IEC61001-4-11:1994+A1:2000

* We reserve the right to make technical changes without notice

During Operation

In the case of any unusual noises or smells during operation, switch the power off at the mains immediately. Ensure that no cables are trapped in the mechanism or are damaged.

7. Maintenance, Care and Warranty

To clean the powder coated tubular sections and wooden parts use a damp cloth with normal household cleaners or warm soapy water.

Do not use any cleaning agents containing ammonia, abrasives or strong solvents. This will lead to damage of the power-coated finish on metal parts and the finish on the wooden parts.

Mechanical cleaning, scouring, high-pressure hoses or automated cleaning will damage the bed.

All moving parts on this appliance are fitted with maintenance free self-lubricating bearings and should not be oiled or greased.

All motors, cables and mechanical functions must be checked by a suitably qualified service engineer for damage and correct operation, at least once every twelve months.

1. Important Notice

Before putting the Warwick Bed into operation, it is very important that the user manual is read carefully. The manual contains important information for the safe and proper use of the bed.

Please keep this manual handy for future reference.

All of the functions of this bed should be fully tested by a competent person before use.

The bed must not be used if faults have been detected that may injure the patient, staff, a third person, or damage the bed or the surrounding interior.

The bed may only be used by persons who, by their knowledge, training or practical experience, provide a guarantee that the bed will be used in a safe and correct manner.

The operating persons are obliged to acquaint the patient lying on the bed with the control functions that are designed for use by the patient, and their safe usage.

The operating person is obliged, before using the bed, to be confident of the functionality and safe usage of the bed.

The bed must be used only on even and solid floors.

The bed must not be overloaded or exceed the safe working load even for a brief period. **Maximum Working Load- 180 kg (28.3 stones)**

If there is a patient on the bed, the castors must be locked (with the exception of when transporting the bed) - an unlocked bed poses a risk of injury to the patient when leaving the bed or when supporting themselves.

The height of the mattress platform must be adjusted according to the height and condition of the patient.

No other people may sit on the bed.

When handling the mobile parts of the bed, care must be taken that the patient, other people or objects do not become trapped during its movement.

Before cleaning or maintaining the bed, the supply cable must be disconnected from the mains.

The bed should not be used where there is a danger of explosion or in the presence of inflammable anaesthetics.

When maintaining and cleaning the bed in the space between undercarriage and mattress platform, the adjustment functions on the handset must be locked so there is no accident due to any unintentional activation and subsequent downward movement of the mattress platform.

The mains cable must be placed in a way so it does not get wound round the mobile parts or trapped between them; if the mains cable is damaged there is a serious danger of injury from electrical current.

An inspection should be made at least once a month for visible wear and tear of all mobile parts and cables.

The bed is intended for adults from 12 years of age. Ensure that children only have access to the bed under adequate supervision. Do not allow children underneath the bed while it is in operation.

This modular nursing bed has four electrically powered functions - back, knee, break and height adjustment.

2. Features

The drives for the adjustment functions consist of electrical mechanical linear motors with maintenance free permanent lubrication.

The motors are operated by a hand controller, which is connected to the main control unit via a spiral wound cable.

The motors and hand controller are isolated from the mains voltage (230v) and operated at DC 24v low voltage.

3. Installation

The Warwick Bed should only be assembled by a suitably competent person.

The fuse in the electrical mains plug should not exceed 5 amps.

The bed should be located on a level flat surface.

Do not site the bed on loose carpet, rugs or floor coverings.

The cable from the mains 230v power supply plug to the main control unit must be positioned clear of the lift mechanism (danger of shearing or crushing) and the braked castors.

6. Additional Safety Information

All persons assembling or using the bed should have read the user manual and familiarised themselves with its operation. Ensure that objects such as waste paper baskets, occasional tables, chairs etc. are not placed underneath the lifting mechanism of the bed.

To avoid injury, no limbs or body parts of either the occupant or carer must be protruding from the bed, between the side rails or in the scissor mechanism of the bed during operation of the powered functions. Before moving the bed to a different location, remove the electrical plug from the 230v mains supply power socket. Failure to do so may result in damage to the bed or fatal injury. When moving the bed with occupant in situ, the bed should not be pushed over a threshold strip of more than 2 cm maximum height. Under no circumstances must the bed be moved by pulling or pushing the side rails, either when the bed is occupied or empty. They are not designed for this purpose. Never exceed the maximum usage period of 6 minutes per hour for the electrically driven bed functions, by lengthy and unnecessary profiling or height adjustments. This can trip the thermal safety fuse, which will stop all powered movement of the bed parts.



Once the bed is sited in the desired position, always ensure that the castors are locked in the braked position (see illustration)

Before dismantling or troubleshooting

Ensure that all functions are in the lowered position (where possible), the power supply is switched off and the power cable is disconnected from the mains by un-plugging. Ensure that all functions are not under any undue load and are free moving.

Before Operation

Ensure that assembly is completed fully, in accordance with the user manual. Ensure that the local electrical mains supply voltage corresponds to that marked on the main control unit label before connecting to the mains supply. Ensure that cables from all motors are connected to the main control unit correctly before operation.

5. Operation Instructions

5.1 Operation of height and profiling functions

The head section, knee break and bed height are adjusted by pressing the appropriate button on the hand controller. The buttons are levelled according to their function. On the reverse of the hand controller there is a clip that allows the hand controller to be stored on either of the side rails or on the head/foot boards as appropriate.

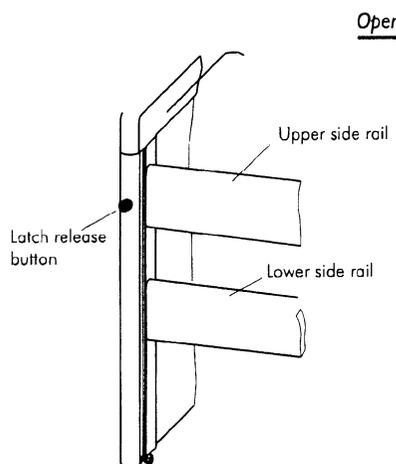
Warning. Do not exceed the maximum usage period - all functions have a maximum usage of 6 minutes per hour (10%).

5.2 Operation of the side rails

5.2.1 Raising the side rails

Hold the upper side rail and lift by moving up the slide channel until the latch engages with an audible click. (It is advisable for safety reasons to raise the head end first). Release the rail and it will stay in position, as the rails are joined together the lower rail will also have been lifted and will stay in position.

5.2.2 Lowering the side rails



Oper

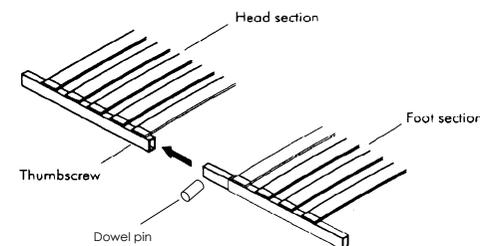
Lift the upper side rail until it stops and hold, push the spring loaded latch release button fully in (see diagram) and then lower the side rail until the bottom rail rests on the stop. (It is advisable for safety reasons to lower the foot end first).

Note: The side rails are automatically spaced at all times so that the carer's fingers are not trapped as railers are lowered.

4. Assembly

4.1 Assembly of bed frame

Slide the side sections together as indicated in the diagram.



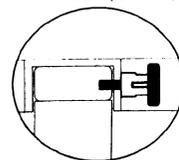
Ensure both sections fit fully together until the outer tubes touch each other and fit the securing dowels and pins on both sides of the bed frame before tightening the thumbscrews on the under side of the bed frame. Do not over tighten.

4.2 Assembly of bed frame to lifted chassis

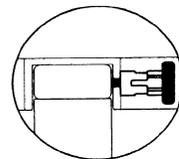
Once assembled the bed frame can be fitted to the lifted chassis.

Firstly identify the "head" and "foot" ends of the lifter chassis.

Thumbscrew (fastened)



Thumbscrew (unfastened)



The lift motor is located at the "foot" end of the lifter chassis. There is also a roller either end of the tubular cross member on the foot end. The "head" end has a similar tubular cross member with rollers that is shorter in length (note: this will only allow the unit to be assembled the correct way around)

First unscrew the thumb screws located on the both sides of the head section of the bed frame in the location cups (see diagram). Unscrew leaving nothing protruding through on the inside. Do not remove completely.

Once located slide the parallel guide-ways on either side of the foot end of the bed frame onto the rollers at the foot end of the lifter chassis.

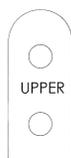
Lower the head end of the mattress support onto the tubular cross member at the head end of the lifter chassis, ensuring the location cups are completely seated on the ends of the tubular cross member. Screw in completely and tighten the thumb screws. Do not over tighten.

Using a flat blade screwdriver gently pry open the cable-retaining strap on the main control unit located at the head end of the lifter chassis. Locate the multi-pin plugs on the various power cables and fully insert them in their respective sockets in the main control unit. The plugs and sockets are labeled and should correspond like for like when inserted. When all plugs are inserted snap the retaining strap into position to prevent the plugs being accidentally pulled out as the bed is used.

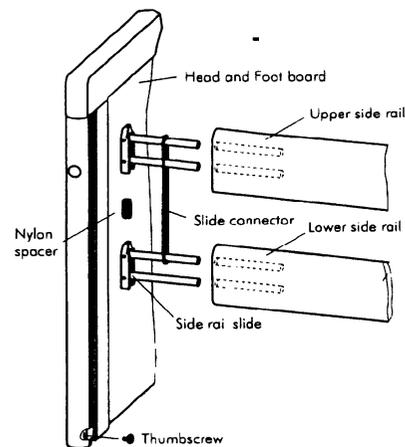
Warning. Ensure that all spiral wound cables are clear of the scissor mechanism and that there is sufficient slack to enable a smooth operation. Periodically check all cables for any damage or chafing.

4.3 Assembly of the wooden head/foot boards and side rails

Note: Please select upper side rail or bottom side rail before assembly. (see diagram)



Orientate the head and foot boards (they are interchangeable) with the aluminium channels facing inwards towards the bed as per diagram. Offer up to the threaded lugs on the bed frame ends and secure in position using 4 off M8x25 mm dome headed screws. Do not over tighten. At one end of the bed, loosen the retaining thumbscrew in the retaining block located at the bottom of the aluminium channels on both side of the head/foot board until the retaining block slides out of the aluminium channel. Do not remove the screw completely from the block. Remove the pre assembled side rail slide assembly, noting the way that the slide connector is attached to the fingers and where the loose nylon spacer is located. (see diagram)



At the other end of the bed, locate the top and bottom side rails to the assembled side rail slides, inserting the protruding steel fingers into the corresponding holes in the ends of the rails. Carefully leave the other ends of the rails resting on the floor.

Insert the steel “fingers” of the side rail slide assembly into the holes in the side rail slide as shown in the diagram. Then insert the top of the side rail slide into the aluminium channel (painted end upwards);

inserting the nylon spacer into the channel before sliding the complete assembly up into the channel using the upper rail until fully home and the release button latch engages with an audible click.

Replace the retaining block in the bottom of the aluminium channel. Screw in the thumbscrew ensuring the threaded end of the screw full locates in the hole in the back of the aluminium channel, with the threaded end of the screw located in the hole in the channel as previously described.

Warning. The correct location of the threaded end of the screw into the hole in the aluminium channel is essential to prevent the side rail slide assembly from dropping out of the bottom of the channel when in use.