

MODEL NO
SERIAL NO

INSTRUCTIONS FOR USE  
and  
SERVICE RECORD  
of the  
*Freeway*

Range of Overhead Hoists  
130kgs 160kgs 200kgs 300kgs

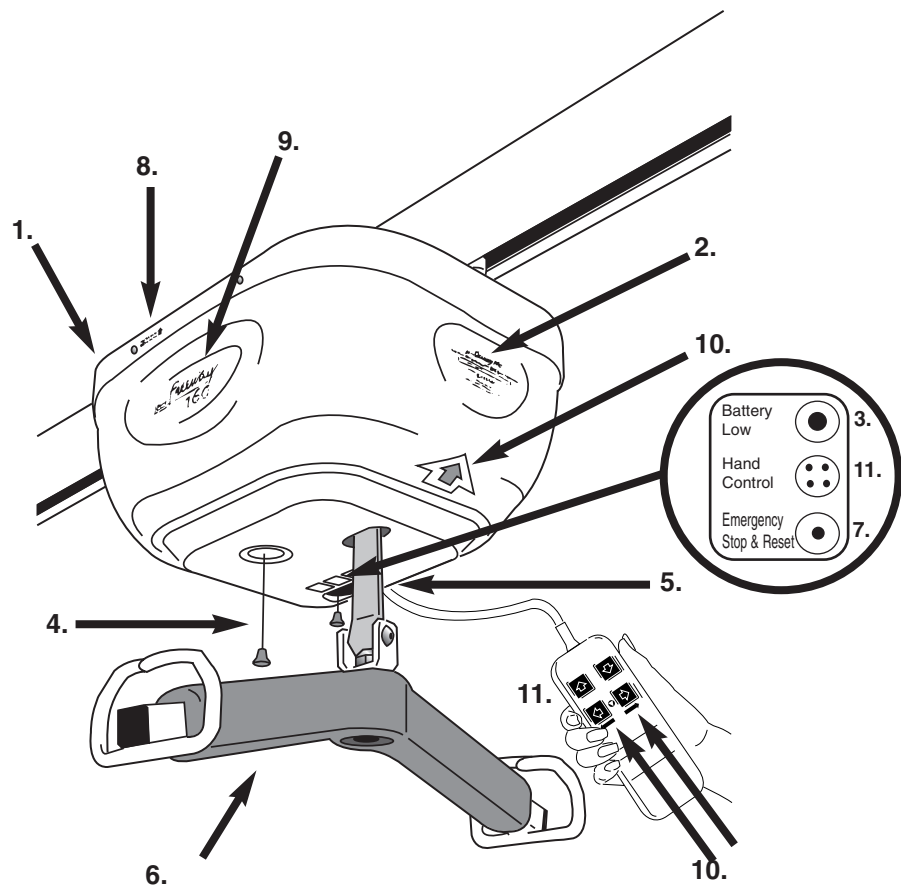
**YOUR AGENT IS:**

Please contact your agent for service, repair & any other enquiries regarding your Freeway Hoist



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# HOIST DIAGRAM



1. Cover.
2. Safety Warning Load Label.
3. Low Battery Level Indicator. (Battery powered Models only).
4. Emergency Lowering Cord.
5. Lifting Tape.
6. Carry Bar.
7. Emergency Stop & Reset Button.
8. Manual Emergency Lowering Key Storage Location.
9. Manual Emergency Lowering Key Hole Location.
10. Coloured Directional Arrows.
11. Hand Control 2 button for Manual Traverse 4 Button for Motorised Traverse

# CONTENTS

	Page No
Hoist Diagram	2
Introduction	4
Instructions for use	5
Re-Charging the Batteries	8
Emergency Lowering	9
Technical Specifications	10
Diagrams of Carry bar Heights	11
Safety Features	12
Track Options	13
Freeway Range of Slings	14
Routine Maintenance	17
Fault Finding	17
Certificate of Conformity	18
Guarantee	19
Service Record	20

*Please note, the following components are included with your new Freeway Hoist:*

- Freeway Hoist (Manual or Motorised traverse) and carry bar
- Transformer set
- Handset and hook
- Guarantee void stickers
- Manual Adaptor
- Completed log book

## INTRODUCTION

We would like to welcome you as an owner/user of the Freeway Overhead Hoist. We are sure you will be delighted with our product, the result of careful planning and design, followed by careful construction using the highest quality components.

The Freeway Hoist is intended **only** for the lifting and transfer of people and has been specifically designed for ease of use. Please read these instructions carefully before using your Freeway Hoist. You should ensure that not only you but any other person who is likely to use the hoist are familiar with these operating instructions. Please note that Freeway Healthcare will not be responsible for any damage caused by the misuse, neglect or purposeful destruction of this hoist.

Your Freeway Hoist is of robust construction and when properly used and serviced it will give many years of reliable service.

Please store these instructions carefully as they also contain your hoist's service record on which your guarantee depends.

## INSTRUCTIONS FOR USE

### Freeway Ceiling Track Hoist

1. First check that the unit is ready for use:-
  - Inspect lifting tape for signs of wear or fraying
  - Test by depressing buttons on handset
  - (Battery models only) no red light should be showing on the underneath of the hoist. If the red light shows, the unit will require charging before use. If a green light is showing this means the unit is connected to the charger but no action is required (see under "Re-charging the Batteries" page 8)
1. Next, select an appropriate sling (A list and description of the range of Freeway slings can be found on page 14)
 

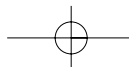
**Please note:** slings should only be selected and used by persons having appropriate training and instruction in their use.

### 2. Raising and Lowering

*Ensure that during both raising and lowering, there is nothing to obstruct the operation*

*NB: When operating the hoist with an infra-red handset, please ensure the handset is pointing directly to the hoist unit*

- Fit the person to be lifted correctly and securely with the sling and in accordance with sling instructions
- Position the unit directly above the person
- Lower the carry bar to the correct height so that the loops of the sling can be securely fitted to the hooks of the carry bar
- Securely fit the loops of the sling to the carry bar hooks
- Press the up button (↑) on the handset to raise the carry bar. (ensure that the sling remains in position and the tapes are securely over the carry bar until the tension is taken. At this point, ensure the lifting tape is vertical prior to continuing the lift – this prevents swinging)
- Press and hold the up button until the person has reached the required height
- When over the desired position press the lowering button (↓). Ensure that the person being hoisted is fully lowered before releasing any part of the sling.
- Release the sling
- Raise the carry bar clear of the person and safely away from others



### 3. Traverse Movement

#### A. Powered Traverse Models

- After lifting the person, for traverse movement, look at the unit itself and note the colour of the arrow indicating the desired direction
- Match this to the same coloured marked button on the handset
- Press that button and hold. The unit will move gradually off in the chosen direction
- When in the desired position, release the button and the unit will stop
- Ensure the person is not moving or swinging prior to lowering

**Note: For safety reasons you cannot move in a horizontal and vertical plane at the same time. If two buttons are pressed together only one will have any action**

#### B. Manual Traverse Models

- After lifting, push the unit in the appropriate direction. This can be done by either gently pushing the unit itself or the carry bar, or a suitable position on the person. Ensure that these last two methods cause no discomfort to the person
- Do not use excessive force: this is unnecessary as the unit will move easily along the track
- Stop the unit in the desired position and commence lowering

#### Turntables

- A drive Hoist is the preferred model for use with a turntable
- To use the turntable, ensure the short piece of track on the turntable is aligned with the main track on which the hoist is running.
- Drive the hoist along the track and onto the turntable, stopping the hoist when the marker on the hoist lines up with the marker on the turntable. From below it will appear that the hoist is off centre. This is normal and is because the trolley wheels on the top of the hoist are not centralised on the hoist centre
- The cord should then be pulled down fully. The turntable will rotate up to its pre-determined stop. The hoist can now be driven off the turntable onto the new track
- In order to pass through a turntable in a straight line, ensure the short piece of track on the turntable is aligned with the main track on which the hoist is running. Simply drive the hoist through the turntable

#### “H” System (Room Cover System)

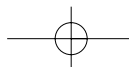
- This system consists of two parallel fixed track beams with travelling cross beam on which the hoist runs
- The hoist on the manual “H” system is propelled as a manual drive hoist (see page 6)
- A powered “H” system has a six button handset on the hoist. These buttons control the lift and lower feature of the hoist, the traverse along the travelling beam, and the movement of the travelling beam along the fixed rails
- Only one button will function at once if more than one button is depressed simultaneously

#### Transition Gate – for use only with a powered traverse hoist

- This track feature allows a hoist to exit a manual “H” system and pass straight onto a straight track (which can then be joined to another manual “H” room cover system if required)
- In order to exit the manual “H” system, propel the travelling beam along the fixed rails towards the straight track until the latch clicks the travelling beam into alignment with the straight track
- You may then drive the hoist from the travelling beam (now fixed) onto the straight track. When the hoist moves through the transition gate onto the straight track, it activates a locking mechanism
- The travelling beam cannot be moved from its locked position until the hoist returns through the gate
- In order to enter the manual “H” system from the straight track, simply drive the hoist through the transition gate onto the travelling beam. This disengages the lock mechanism in the transition gate
- In order to release the travelling beam from its locked position, pull the cord fully. Only a light force is required

## CAUTION

- Never expose the hoist directly to water. Warranty does not cover any misuse or abuse of the hoist system.
- To maintain optimum hoist functions, batteries should be charged on a regular basis (please see Charging Instructions).
- Any accessories used with the hoist, including slings, should be checked to ensure that they are in good working order. Check for signs of wear or fraying prior to use.



## RECHARGING THE BATTERIES

**Batteries should be charged on a regular basis. It is recommended that the hoist is stored in the charging bay (at the end of the track) at all times when not in use; this ensures that the battery charge is maintained and the hoist is always ready for use.**

- When the red indicator light shows, the hoist requires charging
- If the red light indicator begins to show during use, complete transfer and return to charging bay.

### To Re-Charge

- Move the hoist along to the charging bay at the appropriate end of the track.
- Ensure the red light goes out and the green light illuminates (to indicate that the hoist is charging)
- The hoist may be used after one hour but a full recharge is desirable. This will take about 12 hours and could be carried out overnight.

## EMERGENCY LOWERING

There are two emergency lowering systems on the Freeway Hoist. Should these be required then take note of the following:

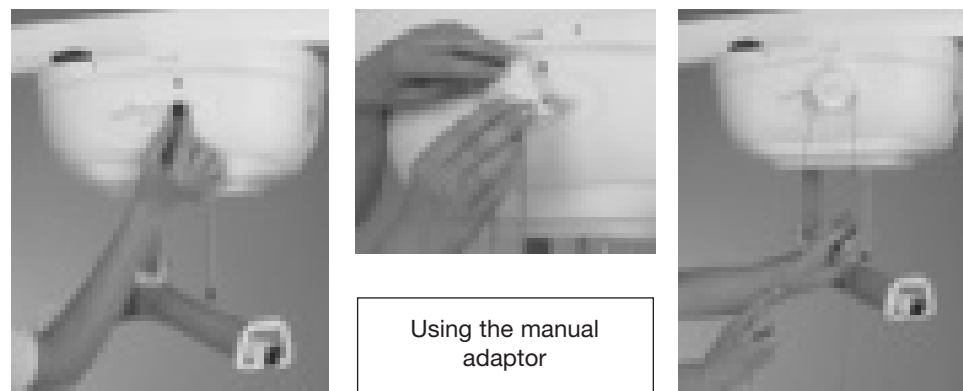
### Battery Powered Emergency Lowering:

- Remember to carefully position your chair or bed or suitable surface directly underneath the person to be lowered
- Gently pull the cord with the red toggle, which extends from the underneath of the hoist. The person will be slowly lowered. Releasing the cord stops the descent.

### Manual Emergency Lowering:

- Remove the emergency-lowering Adaptor from its position on top of the hoist.
- Remove the black cap from the side of the unit. Insert the adaptor in the hole. Locate it onto the shaft and using the chain, continue use of the hoist.
- If it is a powered traverse hoist it can be converted to manual by turning the hand nut so that use of the hoist is not compromised.
- Remove emergency lowering adaptor and replace.

**\*REMEMBER TO REPLACE THE ADAPTOR IN ITS POSITION ON TOP OF THE HOIST\***



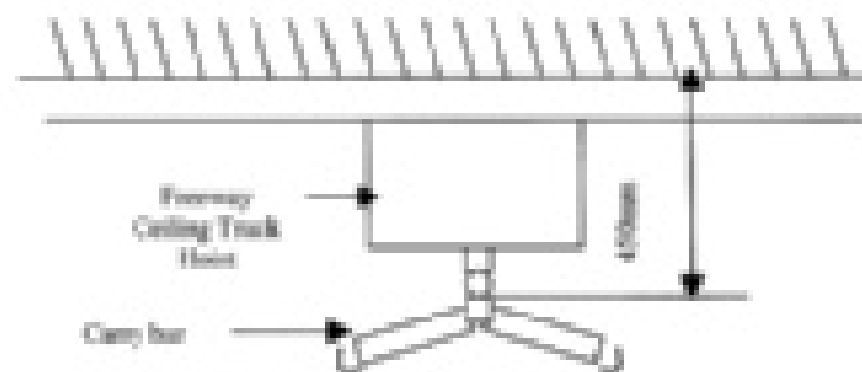
Using the manual adaptor

## TECHNICAL SPECIFICATIONS

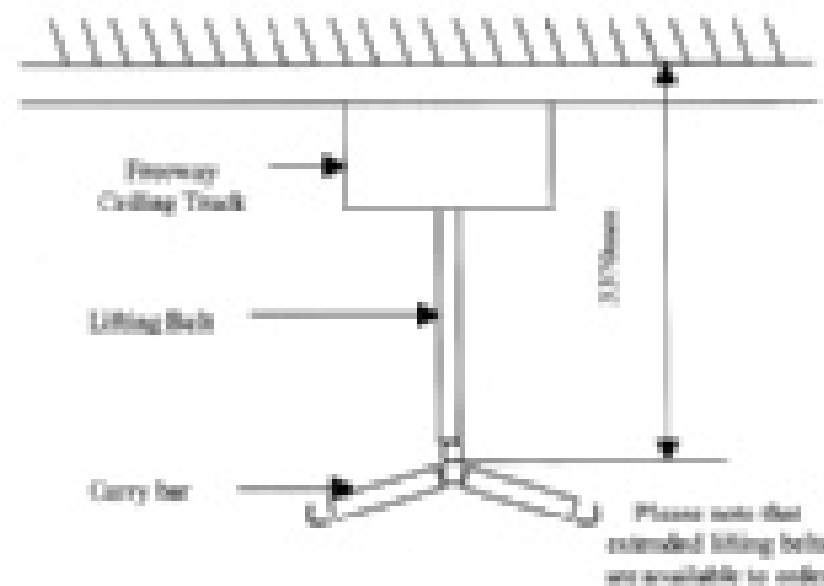
Weight Unladen Hoist (Powered)	25Kg
Weight unladen Hoist (Manual)	22.6Kg
Weight of Carrybar	2Kg
Shipping Box Dimensions	510mm x 500mm x 500mm
Shipping Box Weight (Powered)	31Kg
Shipping Box Weight (Manual)	28Kg
Voltage	24V D.C.
Fuse Rating	3amp max.
Batteries	2 off 12V 7amp sealed – rechargeable
Battery Charger Input	240V A.C. 50Hz
Battery Charger Output	33V A.C.
Approximate Charging Time	4 Hours

The policy of *Freeway Healthcare* is one of continual improvement and we reserve the right to modify designs without notice.

### Range for the Freeway Ceiling Track Hoist with the Carrybar at its Highest Point



### Range for the Freeway Ceiling Track Hoist with the Carrybar at its Lowest Point



## SAFETY FEATURES

Your Freeway Hoist has an abundance of safety features so whether you are a user or a carer, you can use the Freeway with confidence.

- A failsafe over speed governor is fitted to all our models, so that in the unlikely event of rapid descent owing to mechanical failure, a brake on the tape automatically comes into operation. This action is similar to the seat belt on a car
- The carry bar stops automatically at its top and bottom limits
- There are two forms of emergency lowering: (A) battery wind down, using the emergency lowering cord, (B) a manual wind down using the special adaptor stored on the top of the hoist
- The attractive cover of the Freeway is fire retardant ABS
- All units are fitted with “soft start” so that no sudden movements are experienced by the user
- The handset is lightweight and clearly marked. It is air operated which means there is no electrical current directly to the hand of the user. Therefore can be used in wet conditions without any worry. The controls need to be depressed for the hoist to move, so if your hand slips, you will not move unexpectedly
- Emergency Stop/Overload Reset Button:- When pulled the emergency stop cord operates an isolator switch which takes away all power from the hoist. The emergency stop is re-set by pressing the reset button, situated directly above the Emergency Stop cord. The emergency stop switch is combined with overload protection and will operate to safeguard the hoist in the event of overload (e.g. an excessive lift being attempted). If the handset does not operate the hoist, press the reset button (to which the emergency cord is attached)
- Each unit is fully tested before leaving our factory

### Battery Powered Models Only:

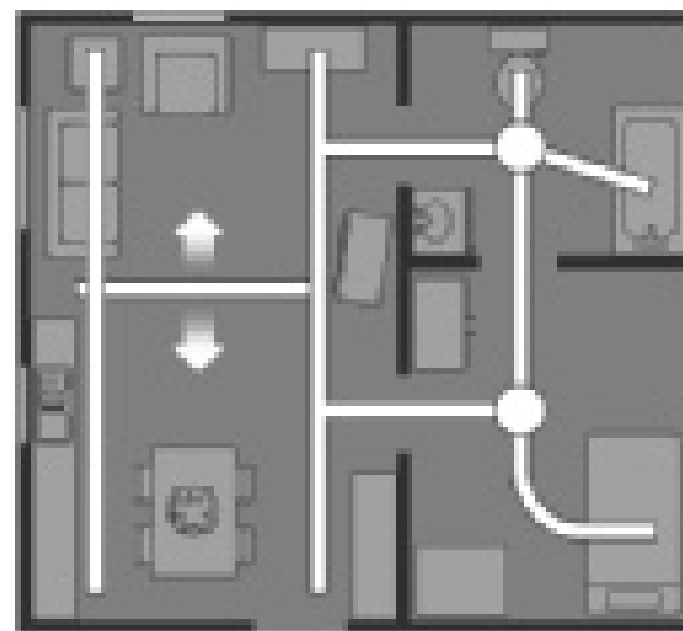
- An indicator light shows red when the batteries require re-charging
- The transformer from which the batteries are charged is specially thermally protected and is rated for use in damp conditions
- The transformer is IP67 rated
- Section 601-02 of BS7671:1992 defines zones within the bath/shower area
- If siting the transformer in zone 3, there are no special requirements for siting the transformer
- If siting in zone 2, because of the IP rating, this site is in order
- If siting the transformer in zone 1, the transformer will need to be protected by an RCD
- It will never be necessary to site a transformer within zone 0 (In the interior of the bath or shower basin)

## TRACK

- The Freeway Track is purpose made, constructed of strong aluminium and coated in hard wearing tough white coating
- The Track is secured by brackets which are strong, secure but unobtrusive
- The special backing track enables spans of up to 5metres to be safely bridged
- Sections or curved track from 15 to 90 are available

### Whole house coverage can be achieved by use of

- “H” Systems (powered and manual)
- Transition gates (from manual “H” systems using a powered drive hoist onto straight track)
- Turntables



## FREEWAY RANGE OF SLINGS

Slings are made of blue mesh material, with medical quality quilting and lined with polyester. Straps are also polyester and the whole sling is suitable for X ray. The Universal range of slings has been tested by the British Standards Institute and is certified to comply with the requirements of BSEN10535.

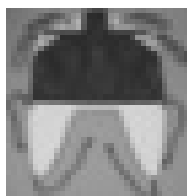
All slings are made to the highest possible standards and available in five standard sizes: Large, medium, small, junior and child.

\*SLINGS ARE COLOUR CODED BY HANDLE AND BINDING AS FOLLOWS:

**LARGE:** GREEN; **MEDIUM:** YELLOW; **SMALL:** RED  
**JUNIOR:** BLACK; **CHILD:** WHITE

*\*remember the choice of a sling is one of the most important factors affecting the use of your hoist. Each user should be assessed by a suitably qualified person to select the most appropriate sling for the individual and the helper should be trained in the correct use of the sling\**

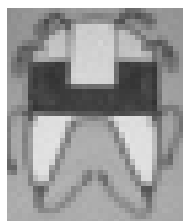
### THE UNIVERSAL AND UNIVERSAL WITH HEAD SUPPORT:



This is a widely used quick fit type sling for many hoisting applications. Simple to use, it provides separate support for each thigh and enables the sling to be removed or repositioned easily under a user when in a bed or a chair. It provides good support to the trunk and includes side support tapes for even weight distribution. The sling can be used in a divided leg or cross over position. The leg sections are quilted to help prevent uncomfortable creasing during use. There is a commode aperture, variable recline position loops and anti-torque loop.

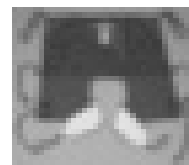
\*The taped head support model provides good support for the head.  
 \*Both versions are available without quilting for use as a bathing sling.

### JUNIOR AND CHILD'S UNIVERSAL



This is similar to the Universal but has a boned head and back support which also gives good support to head and upper body. A very popular and well received sling.

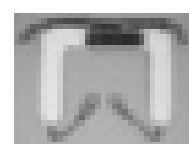
### HAMMOCK PLUS AND HAMMOCK PLUS WITH HEAD SUPPORT



This sling is most suited to those who require fully body support. It gives good support to the body and legs and the quilting adds to comfort by helping to prevent creasing under the legs.

This sling can be used in a cross over position or a divided leg position. This latter position can be used for toileting and personal cleansing (adjust clothing before fitting sling). This head support version gives extra support to the head and neck.

### DRESS/TOILETING SLING

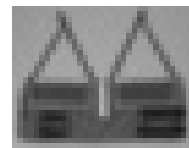


This is a sling designed specifically for personal cleansing and transfer to toilet or commode. It is fitted with a comfortable back roll and chest support. Whilst in the sling the person will be supported wholly underneath the arms and legs. It is quilted throughout to prevent creasing on legs. Clothing can be adjusted after the sling is fitted owing to the limited amount of fabric coverage.

### MUSCULAR DYSTROPHY SLING

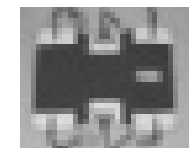
Designed in conjunction with the Muscular Dystrophy Society, this sling is a Universal type sling with Head Support. Extra support is provided by means of boning in the back and head support sections and supportive lining over the whole of the back, head and leg sections.

### WALKING AID SLING



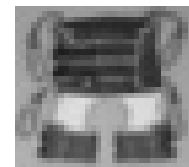
This sling is designed to be used as an aid to rehabilitation to give the user support and confidence during use. The padded chest band fits comfortably round the user and is suspended from an overhead hoist for walking practice and in some cases can assist the standing of a person from a seated position.

### LONG SEAT SLING

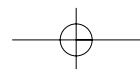


This sling is designed to remain under the user after transfer: usually used in moulded seat situations.

### FULL SUPPORT STANDING SLING

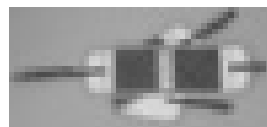


Unique design raises user from seated to standing position.



### BAND SLINGS

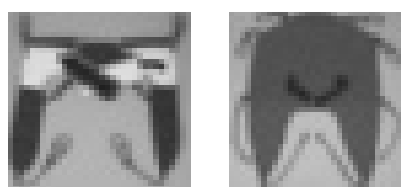
Are available at the discretion of a Health Care Professional.



### SPECIAL SLINGS

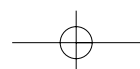
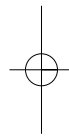
Individually designed slings to cope with specific problems or disabilities can be supplied.

**Please contact your supplying agent**



### SLING SAFETY

Whilst we have not specifically tested our slings on lifting equipment manufactured by others, we cannot foresee any difficulty if these products are used on carry bars of a similar size and design to those used on our own lifting products. However, we would consider that the final decision must rest with qualified carer's expertise in ascertaining the suitability of the carry bar in question.



## ROUTINE MAINTENANCE

Your Freeway Overhead Hoist should be tested every twelve months and must be serviced at maximum intervals of twelve months to maintain your eighteen-month warranty cover.

In regular and hospital usage, service intervals of every six months are recommended and may be required by law.

The Freeway Overhead Hoist should only be inspected, serviced and maintained by a properly trained engineer.

To clean the case of your Freeway Hoist use a soft cloth and a soap solution.

**\*Please note that your warranty is completely invalidated if the seal on the cover is broken\***

In order to maintain your warranty and for reasons of safety and quality assurance, please maintain this logbook and produce it to the service engineer on his every visit.

## FAULT FINDING

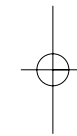
### IF YOUR HOIST DOES NOT OPERATE, CHECK THE FOLLOWING:

1. Is the battery low light showing? If so, transfer hoist to charging bay and dock. Check green light shows and leave to re-charge. After one hour the hoist may be used, but an overnight charge is desirable as soon as possible.
- 2a. Is the handset tube properly connected to the hand set and the hoist unit overhead?  
Check that the tube is pushed home onto the metal connectors.
- b. If using an infra-red handset and no movement occurs when the handset is pressed, check the handset battery - it may need replacing.
- c. Ensure the infra-red handset is pointing directly at the hoist unit.
3. Press the reset button in case the safety cut out has operated.

Please note: If the hand control set buttons do not operate according to their designations (e.g. if pressing the up button initiates traverse movement this means that the handset tube has been incorrectly connected to the hoist unit. Move the tube connectors round one hole at a time until the hoist moves correctly in relation to the handset.

**The handset connecting tube is designed to pull out if subject to undue tension. This facilitates easy rectification by replugging into the socket without damage to the tubing. However, a securing clip can be supplied and fitted to the hoist casing if required e.g. in pool areas or where the hoist is fitted at a higher than average level or is not easily accessible.**

***After checking the above, if the hoist still does not operate contact your engineer.***



# Freeway Healthcare

MANUFACTURERS OF THE *FREEWAY* RANGE OF MEDICAL EQUIPMENT

## CE MARKING – DECLARATION OF CONFORMITY

**REGISTERED MANUFACTURER NUMBER:  
CA003907**

Freeway Healthcare hereby declares that the Freeway range of products listed below, meet the provisions of the European Union Council Directive 93/42/EEC of 14th June 1993 concerning medical devices and are classified as Class 1 devices in accordance with that Directive

### **E4 Patient Hoist/Lifting Aids and Accessories:**

- Freeway Mobile Hoist (Hydraulic Model)
- Freeway Mobile Hoist (Electric Model)
- Freeway Overhead Hoist (130kgs, 160 kgs and 200 kgs models)
- Freeway Portable Hoist
- Freeway range of Patient handling slings

We hereby certify that the products listed above are manufactured labelled and packaged in accordance with the provisions of Directive 93/42/EEC and conform in all respects to the specification(s) relevant to them at the time of despatch and are CE marked in accordance with Directive 93/42/EEC.

For and on behalf of

Freeway Healthcare



Clive Ecroyd

Freeway Healthcare is the trading name of Prism (UK) Medical Ltd

**THE HAFOD, HALKYN, NEAR HOLYWELL,  
FLINTSHIRE, CH8 8BD**

## GUARANTEE

This hoist has been carefully manufactured in Great Britain to the highest standards at all stages of design and build. Quality control throughout manufacture is exacting and we are proud to guarantee this quality product.

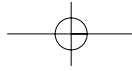
Freeway Healthcare will, subject only to the conditions set out below, replace free of charge all mechanical parts found to be defective due to manufacturers defect for a period of eighteen months from the date of purchase.

## CONDITIONS

(TO BE OBSERVED TO PRESERVE THE WARRANTY)

1. This hoist must at all times be used in accordance with the instructions provided,
2. The hoist must be serviced at intervals of not more than twelve months by a Freeway approved agent. The Dates of service must be recorded in this log book.
3. The hoist should not be inspected, maintained or tampered with in any way. In the event of the seal on the cover being broken, this warranty is completely invalidated.
4. Damage occurring due to misuse (including overloading) abuse or accidental damage is not covered.





## NOTES

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MODEL NO: \_\_\_\_\_

SERIAL NO: \_\_\_\_\_

Maximum Safe Working Load:  
**Kg**

## NOTES

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MODEL NO: \_\_\_\_\_

SERIAL NO: \_\_\_\_\_

Maximum Safe Working Load:  
**Kg**

