harvesthealthcare®
a prismhealthcare company

General User/ Safety Guide

WOBURN ULTRA-LOW 800 PROFILING BED

PROFILING BEDS

www.harvesthealthcare.co.uk

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CAUTIONS & WARNINGS

READ THIS INSTRUCTION MANUAL AND OBSERVE SAFETY INSTRUCTIONS

⚠ CAUTION

Please read and observe this instruction manual before use of bed. In the event the Ultra-Low bed changes owners, please supply this instruction manual to the new owner.

When the bed is moved on the transport frame take care not to allow it to overbalance. The narrow, tall design saves storage space but may tip over if handled carelessly.

Please check all fixings on your bed at least once a month. Pay special attention to sleeping platform connections.

The underside of the bed must be kept clear this includes the SMPS (power supply) never place the SMPS on or under the bed

Before cleaning and disinfection, the mains plug must be disconnected and hung safely.
Plugs for the handset and the motors which are inserted into the mattress base control box and the motor unit must remain plugged in. This is necessary to prevent water ingress to the control box.

Do not sit on the leg section of the bed when operating the raise function.

Ensure the recommended service and maintenance schedule in this manual is completed. Failure to do so could invalidate warranty claims.

⚠ WARNING

Before lowering the bed check the area underneath is **COMPLETELY** clear. (This includes the beds power supply)
Any obstructing article could be damaged or could cause instability to the bed.

Take care when lowering the bed to ensure limbs of any person or other objects present do not become trapped under the bed. The bed will cut out when lowering as it reached 125mm from the floor, you will then need to remove your finger for 1 second and the press the button again the bed will now move to the floor but at 50% speed to allow the operation to be stopped and the bed raised before any limb or object becomes trapped.
Do not store the power supply under the bed.

GENERAL INFORMATION

1 GENERAL INFORMATION

BEFORE USING THIS BED FOR THE FIRST TIME:

- **Read through the instruction manual. Please note in particular that the various safety instructions must be observed**
- **Clean and disinfect the care bed before first use**

Harvest Healthcare beds bear the CE mark and the UKCA mark and meet all safety and functionality requirements. The care beds were tested according to the international standards which contain the safety requirements for medical products. These safety requirements can only be met however if the user satisfies themself of the proper state of the care bed (including accessories) before using the bed.

Please observe the legislation in your country.

1.1 EXPLANATION OF THE SYMBOLS USED

Read information with this symbol carefully and follow instructions. This information is safety-relevant.

This symbol indicates hazards due to electrical voltage. There is mortal danger!

This symbol indicates general hazards. There is danger to life and health.

Conformity mark in accordance with the Medical Device Regulation (EU) 2017/745.

IPX4 The electrical equipment is splash-proof.

Symbol for Protection Class II device, double shock-proof

Symbol for type B device according to DIN EN 60601-1.

MD Medical Device

UK CA Conformity mark in accordance with the Medical Device Directive 93/42/EWG and Medical Device Regulations 2002, UK Statutory Instrument 2002 No 618

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GENERAL INFORMATION

This care bed may only be used indoors

This product must be disposed of in a separate refuse collection in the European Union. Do not dispose of as normal domestic waste.

Symbol for direct current.

Symbol for alternating current.

Maximum permissible load.

Maximum patient weight.

Manufacturing date

Manufacturer of the medical device

1.2 DEFINITION OF THE GROUPS INVOLVED

OPERATOR
An operator is any person who uses the care bed or on whose instruction it is used (e.g. nursing homes, specialised retailers, health insurance companies, medical suppliers).

USERS
Users are persons who, as a result of their vocational training, experience or briefing are authorised to operate the care bed or to carry out work on it, or are instructed in handling the bed. Furthermore, the user can recognise and avoid potential dangers and assess the clinical condition of the patient.

PATIENT / OCCUPANT
Persons in need of care, handicapped or infirm and occupying a care bed.

QUALIFIED PERSONNEL
Qualified personnel are employees of the operator who as a result of their vocational training or briefing are entitled to deliver, assemble, disassemble and transport the care bed. In addition, these persons are instructed in the cleaning and disinfection regulations for the care bed.

If any serious incident occurs in connection with the Woburn bed range, you must report it to Manufacturer tecfor care GmbH and or the responsible Health Authority as well as Harvest Healthcare Ltd.

GENERAL INFORMATION

2 INTENDED PURPOSE

2.1 USE FOR THE PURPOSE INTENDED (APPLICATION ENVIRONMENT)

This care bed is intended for accommodating patients or occupants (with body mass ≥150cm to max. 185kg which is the Safe Working Load for Woburn Ultra-Low 800) in residential homes, nursing homes and in care in the home (application environments 3 and 4) and may only be used under the conditions for use described in this Instruction Manual.

Any other use shall be regarded as non-compliant with the regulations and is excluded from any liability.

ATTENTION: The care bed is not designed for use in hospitals.

The care bed is not suitable for medical electrical applications which involve intravascular or intercardiac processes with the patient. The care bed is not designed for the transport of patients.

Under certain conditions the care bed can be used for other medical purposes with medical appliances such as antidecubitus mattresses, aerators, alimentation systems etc. In this case all bed functions must be locked out with the nurse key on the handset for safety. The medical appliance providers are liable for the compliance of the device with the directives of IEC 60601-1.

If other electrical devices are used in the bed and to prevent the risk of an electrical shock, protective measures and precautions must be established to prevent power cords being trapped in movable parts of the bed.

2.2 NON-COMPLIANT USE

All uses deviating from the intended purpose, which may also be hazardous as a result.
This includes for example:

- Loading the care bed beyond the safe admissible working load (see section **13.1** and identity label on bed frame).
- Operation of the care bed by patients or occupants who have not been instructed in its use.
- Use of the care bed for children.
- Attempting to move the care bed when castors are braked.
- Use of the care bed on a non-horizontal surface (max. incline 5°).

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GENERAL INFORMATION

3 GENERAL REGULATIONS FOR USERS

The care bed must only be used for the purpose intended. When installing, operating and using the care bed, respect the regulations in your country and the general recognised rules of technology and the occupational health and safety and accident prevention regulations.

If the care bed is in a faulty state, in which the patient/occupant, care personnel or third persons could be endangered, do not operate.

3.1 QUALIFICATION OF USERS

The care bed must only be operated by persons who have the corresponding training or experience to enable them to handle the care bed correctly.

4 SAFETY INSTRUCTIONS

4.1 GENERAL SAFETY INSTRUCTIONS

Never store anything under the bed.
Ensure children cannot operate the control system and check no pets are under the bed before operating any of the functions. Do not sit on the leg section of the bed when operating the raise function.

During the briefing, specific attention must be drawn to any potential dangers which can occur despite correct operation. Before putting the care bed into service for the first time, the Instruction Manual must be read in detail by the user / care personnel.

When operating the adjusting functions, there must not be any objects or limbs in the area of movement of the care bed. **Risk of crushing**.

If the physical or mental state of the patient requires it, the handset should be locked on the reverse side when not in use (nurses' key). See detailed description of the locking operation at section **7.2**. (It may be advisable to keep the handset out of reach of such a patient to avoid the risk of strangulation with the handset cord).

Adjustments to the bed must only be carried out by suitably instructed persons or in the presence of an instructed person.

GENERAL INFORMATION

Unplug the mains plug from the socket before moving the care bed and take care to avoid dragging the mains plug across the floor when moving the bed.

The mains plug must always remain accessible to enable immediate cut-off by unplugging the mains plug from the wall socket in case of emergency. The mains cable must be free and away from the bed frame. Otherwise, the mains cable may be torn out and damaged. In addition, the mains plug may be pulled out of its socket and electric leads exposed as a result. If the mains cable or the mains plug is damaged, the relevant part must be replaced. This work should only be carried out by the manufacturer or authorised professionals.

When connecting the mains plug, do not use multiple sockets since liquids may penetrate into these (fire hazard and electric shock).

When the bed is stationary the castors must always be in the braked position. If the castors are not braked, the bed can move when the occupant gets into and out of bed, since the occupant uses the bed for support. Injury can result if the care bed rolls away.

In order to move the care bed, the brakes on all four castors must be released and the mattress base moved to the lowest horizontal position.

The maximum duty cycle and the safe working load must not be exceeded otherwise safe operation cannot be guaranteed (please refer to the Technical Data in section 14).

The bed must not be used in rooms where there is a risk of explosion.

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GENERAL INFORMATION

4.2 SAFETY INFORMATION FOR THE OPERATOR

With the help of this Instruction Manual, instruct each user in the safe operation of this care bed before it is put into service for the first time.

Advise the user of any hazards which may occur if not handled correctly.

Only persons who have been properly instructed may operate this care bed. This also applies for persons who only operate the care bed on a temporary basis.

According to the Medical Devices Regulation (EU) 2017/745 and the Medical Device Regulations 2002, UK Statutory Instrument 2002 No 618, care beds are Class I active medical products.

Please observe your obligations as the operator in accordance with the Operators of Medical Products Ordinance (Medizinprodukte-Betreiberverordnung, German abbreviation: MPBetreibV), in order to ensure the permanently safe operation of this medical product with no risk of danger to patients, users or third parties. If the care bed is used on a long-term basis, checks for proper functioning and for any visible damage must be performed and documented at least once a year. Refer to section **10.2** for this purpose.

4.3 SAFETY INFORMATION FOR THE USER

Ensure a risk assessment has been carried out to ensure the bed and any accessories are suitable for the patient.

Ensure the operator instructs you in the safe operation of this bed.

In addition, pay particular attention to the general safety information as described in **4.1**.
Adjustments of the bed must only be carried out by suitably instructed persons or in the presence of an instructed person.

Make sure the mattress base is at its lowest position before leaving the patient unattended. This will minimise the risk of injury to the patient when getting in or out of bed.

If there is a suspected fault or damage, unplug the mains plug from the socket. Clearly mark the care bed as “Out of Order” and immediately take it out of service and inform the person in charge without delay.

GENERAL INFORMATION

4.4 CLEANING & DISINFECTION

Before cleaning and disinfection unplug the mains plug hang safely. Plugs for the handset and the motors which are plugged into the control box must remain in their sockets to prevent water from getting into the control system.

Do not immerse electrical components in water but wipe them with a damp cloth. Do not use a high-pressure cleaner or a water jet. Only disinfection by wiping is allowed.

Wear waterproof gloves when cleaning and disinfecting to avoid skin irritation.

Attention: In the event of disinfection by spraying on a large scale with products containing alcohol there is a danger of explosion and fire.

4.5 SERVICING & MAINTENANCE

Servicing work must only be carried out by persons who have at least read the safety regulations and are qualified according to the MPBetreibV (Operators of Medical Products Ordinance) § 4 and 6.

A technical check and/or safety inspection must be conducted at least once a year and after a lengthy break in use and before each further use. See section 10.

Any defects, damage or signs of wear must be rectified without delay. Only original spare parts from Harvest Healthcare Ltd may be used, otherwise all guarantees or warranties will be excluded.

The two 9V block batteries are the energy store for electrical emergency lowering in the event of a power failure. The energy store is sufficient for one emergency lowering only and must then be replaced. If the expiry date of the batteries has elapsed, replace immediately. Since batteries are subject to self-discharging, it is recommended the batteries are replaced every two years if not used. Ensure it is a type 6LR61 alkaline manganese battery. Used batteries must be disposed of in an environmentally compatible way.

Please check all fixings on your bed at least once a month. Pay special attention to sleeping platform connections.

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GENERAL INFORMATION

4.6 ACCESSORIES

The optional accessories available include a patient lifting pole of which the safe working load of 80 kg **must not be exceeded**. The lifting pole may only be used within its admissible adjusting range which is defined by the sleeve on the bed. Otherwise the bed can tip up and result in serious injury.

4.7 TRANSPORT & STORAGE

The care bed can be easily transported on the transport frame. It can be maneuvered in very small spaces on its castors.

If the bed is stored, the 9V block battery should be removed.

State as delivered (in cover)

Care bed on the transport frame

When the bed is moved on the transport frame take care not to allow it to over-balance. The narrow, tall design saves storage space but may tip over if handled carelessly.

4.8 SERVICE LIFE & DISPOSAL

The normal service life for care beds in domestic use is approximately 5 years. The care bed must not be disposed of as normal domestic waste after its service life has expired. To ensure that it is disposed of in an environmentally compatible way please contact Harvest Healthcare Ltd.

INSTALLATION

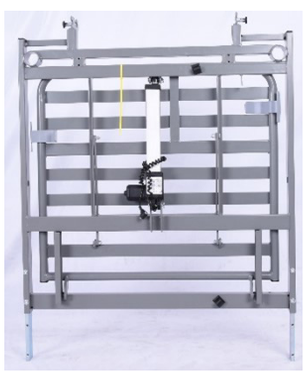
5 PRE-INSTALLATION CHECK

A

B

E

F



C

D

G

H

I

After unpacking check the following parts are present:

A	Headboard	F	Power supply with cord and plug
B	Footboard	G	Transport bracket (x1)
C	Bed platform (head end)	H	Folding Mattress Guide (Spare)
D	Bed platform (foot end)	I	8 x Fixed, 8 x Un-fixed
E	Handset with locking device		

On delivery check the packaging is not damaged. Report any visible damage to the transport company immediately.

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INSTALLATION

6 INSTALLATION & COMMISSIONING

Harvest Healthcare recommends a risk assessment is completed by the Operator before this bed is assembled.

6.1 REMOVAL FROM THE TRANSPORT FRAME

Lift the cover from the bed unit and transporting device.

Please do not dispose of the cover. It can be used again as a dust cover in the event the care bed is later stored in the transport rack.

Remove the Velcro strap that connects the platform halves and retain to secure the power cable.

Bed as delivered

Care bed on transport device

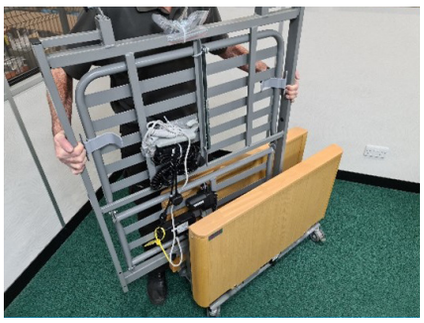
Lift the head end of the bed platform from the transport device (see image below).

Cut the cable ties that hold the backrest in place and place the section on its side with the backrest partially raised to support the platform (take care not to open the backrest too far and allow the actuator piston to pop out, if the piston does pop out carefully re insert it).

INSTALLATION

To remove the backrest section from the transport frame, lift and slide sideways between the head and footboard sections.

Take care not to knock the two frames together.



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INSTALLATION

6.1 ASSEMBLY OF THE CARE BED

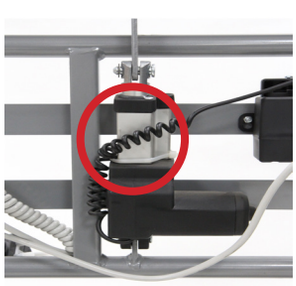
Place the foot rest section adjacent to the other half. Slide the connecting bars into the other frame.

Once the platform sections are together install the final fixing screws, it may be easier to align the screws by also loosening the fixings on the opposite platform.

Use the supplied allen key to tighten all 8 fixings (4 fixings on each side of the platform).

Cut the last cable ties holding the backrest and footrest sections in place,

DO NOT cut the cable tie securing the backrest actuator (right image).



INSTALLATION

Remove the cable cover on the control box by unscrewing the two fixing screws.

Carefully lay the platform down on the floor (mattress platform facing upwards) making sure none of the control system or cables are trapped

To release the lift systems from the transport bracket

Remove the height-adjustable head and foot end panels from the transport frame one at a time. Pull out the locking pin and rotate it a quarter of a turn. This should prevent the locking pin from reengaging back into the hole on the transport bracket. When the two pins have been disengaged carefully remove the lift systems from the transport bracket.
Retain the transport bracket to reuse later

6.2 INSTALLING PLATFORM TO LIFT SYSTEM CONNECTOR

Carefully manoeuvre the lift systems to each end of the mattress platform

Connect the platform to the two lift systems, taking care not to trap the raise and lower actuator cables.

When the lift system has been fitted check the locking pin has fully engaged.

Do not use the bed unless the pin has fully locked into place

The platform connector pins should be checked at regular intervals

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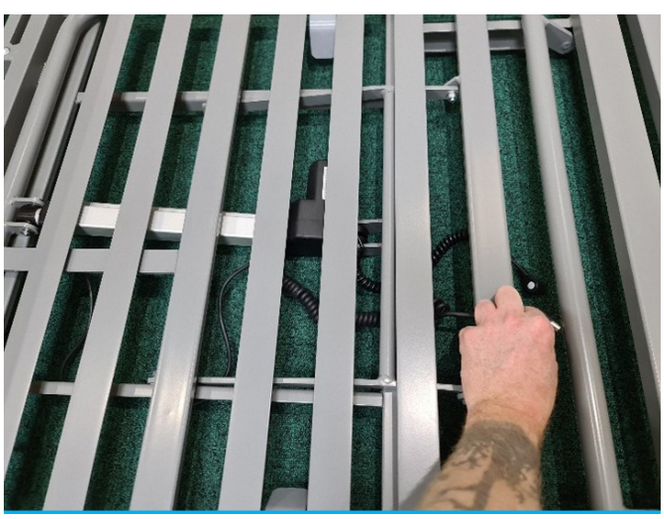
INSTALLATION

If the bed is to be used in an environment where there is a potential for the connector pins to be tampered with, please contact Harvest Healthcare and enquire about the tamper proof platform connection kit option.

The power supply cables for the height adjustment motors are wound around its housing. (Take care not to damage the actuator cable when cutting the cable tie)

Pass the lift height adjustment motor cables under the platform and connect to the yellow ports on the control box



You can now raise the mattress platform
Connect the leg rest actuator to the white port on the control box.

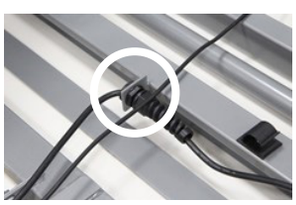
Note The backrest motor is supplied already plugged-in colour coded blue.
After inserting all plugs, screw the plug cover back onto the control box housing.

INSTALLATION

On each height-adjustable head and foot actuator cable there is a roller guide pre-installed ready to fix to the platform.

Remove the split pin and one of the washers. Locate the drilled hole in the platform. Insert the cable guide so that it protrudes through the other side of the frame. Replace the washer and split pin.

Fix the power cable to the chassis using the bracket at the head end of the bed, pull the cable taut and lock the cable grip. Secure the handset and power cable to the chassis using the cable clips attached to the platform



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INSTALLATION

6.3 CONNECTING THE CARE BED TO THE MAINS SOCKET

To reduce the risk of the mains cable and SMPS being damaged.

Lay the coiled cable over the crossbeam from the head or foot end as shown in the picture.

Use the red Velcro fastener supplied with the bed to loosely attach the power cable to the actuator at the head end (see picture).

Ensure the power supply is never positioned on or under the bed.

Avoid rolling the bed over the mains cable.

Insert the mains plug into the socket.

The mains plug must always remain accessible to enable immediate removal from the wall socket in case of emergency.

The electrical adjustment motors are now ready for use.

6.4 PLACING INTO SERVICE

Make sure all assembly steps have been carried out according to **section 6.1 and 6.2.**

Carry out a safety check according to **section 10.2** after assembly.

Clean and disinfect the bed as described in chapter 8 before putting into service and before each further use.

6.5 DISASSEMBLY OF THE CARE BED

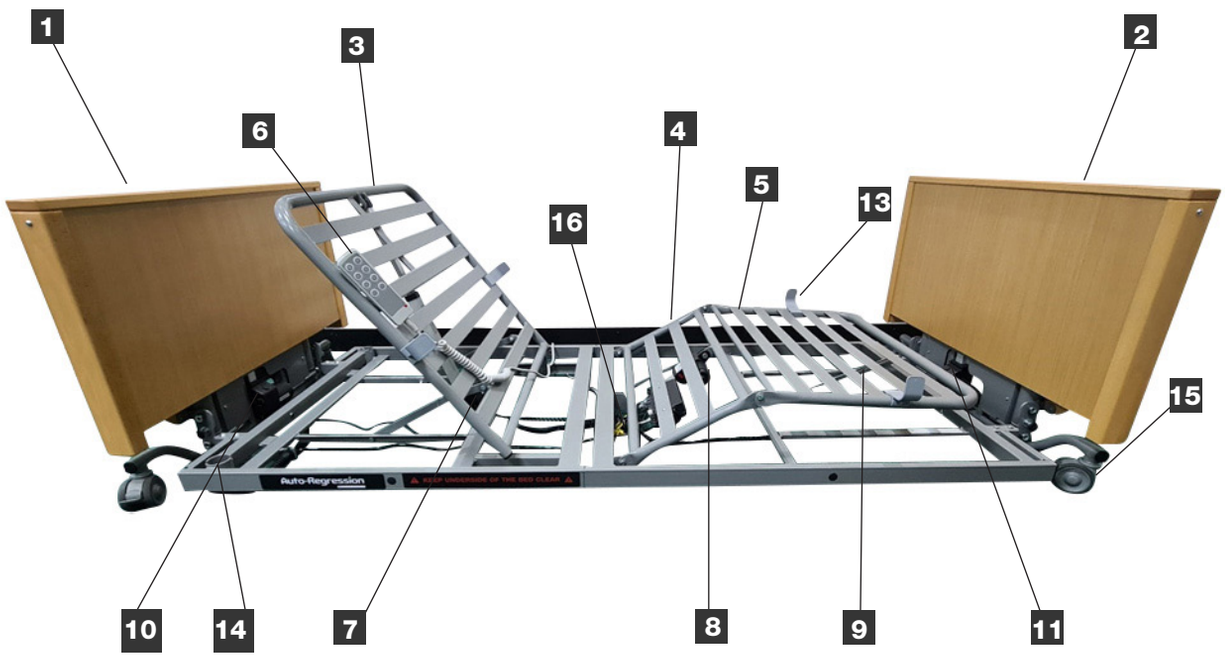
Remove the mains plug from the socket before disassembly.

Disassembly of the care bed is carried out in reverse order of assembly.

BED OVERVIEW

7 DESCRIPTION OF FUNCTION

7.1 BED OVERVIEW



1 Head end with integrated height adjustment
2 Foot end with integrated height adjustment
3 Electrically adjustable backrest
4 Electrically adjustable knee break
5 Mechanically adjustable leg rest
6 Handset with nurses' locking key
7 Electric motor unit for backrest
8 Electric motor unit for knee break
9 Mechanical catch fitting for adjusting leg rest
10 Electric height adjustment motor at head end
11 Electric height adjustment motor at foot end
12 Coiled cable with SMPS power supply transformer box and mains cable with power plug
13 Folding mattress guide (x4)
14 Locating sleeve for patient lifting pole (as an option)
15 Castor with mechanical brake (x4)
16 Control unit (low voltage)

Please Note: The headboard and footboard can be different based on the version purchased.

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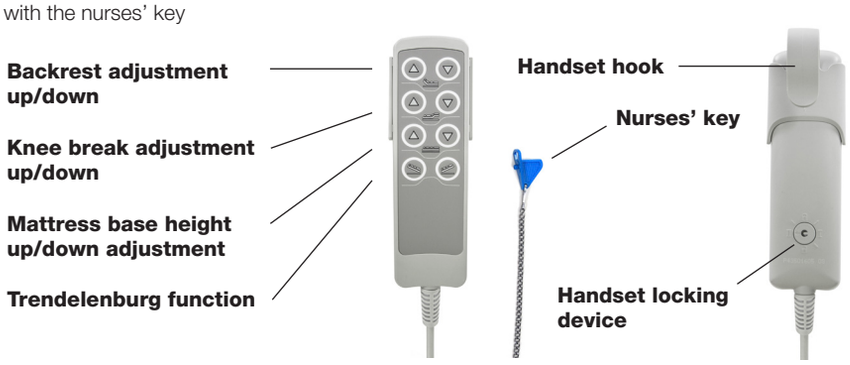
OPERATION

7.2 HANDSET WITH LOCKING FUNCTION

The motorised bed functions can be operated via the handset. All functions can be locked with the nurses' key



To avoid damage, the handset should always be hung by the handset hook (e.g. on mattress base) when not in use.

Press only one button at a time, as the system could overload and become damaged.

The Woburn Ultra low 800 has an anti-crush feature incorporated into the control system.
When the bed is lowering and reaches 125mm from the floor the bed will stop
To lower the bed further you must release the down button for 1 second and the press again
The bed will now lower to the floor but will move at 50% speed.

7.3 LOCKING FUNCTION FOR THE HANDSET

On the back of the handset there is a locking device. All electric adjustment functions can be locked at the same time using the nurses' key supplied.

Handset locked.
All electric adjustment functions disabled.

Handset fully unlocked.
All electric adjustment functions (including Trendelenburg) unlocked.

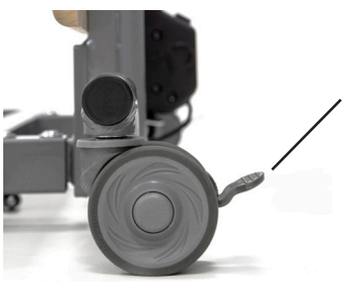
Rear of the Handset

Handset partially unlocked.
All electric adjustment functions (except Trendelenburg) unlocked.

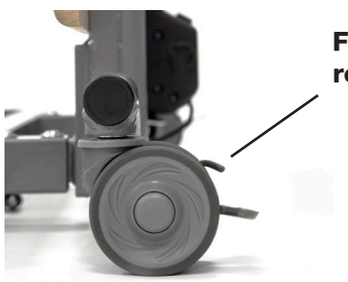
OPERATION

7.4 OPERATION OF CASTORS

The castors on the bed can be braked and must be in the braked position during normal operation. If using the Trendelenburg function, it is recommended you disengage the brakes at one end while adjusting the angle of the platform.



Foot pedal to apply brake



Foot pedal to release brake

The brakes should only be released when the bed needs to be moved. Please refer to the Safety Information.

7.5 ELECTRIC EMERGENCY LOWERING VIA THE INTEGRATED 9V BATTERY

7.5.1 POSITION AND PRINCIPLE OF OPERATION

The control unit (item 8, Overview) on the bed frame is equipped with a pair of 9V block batteries, which makes it possible to make a CPR emergency lowering according to EN 60601-2-52 in the event of a power failure. Please note, however, that this is only possible once per set of 9V batteries, as the capacity of the batteries is limited.

After the emergency lowering has been used, both 9V batteries must be replaced (Type 6LR61 alkaline manganese battery). The batteries should however be replaced every 2 years even if they have not been used.

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MAINTENANCE

7.5.2 BATTERY CHANGE

To replace, check or remove the 9V batteries, before storage, open the battery compartments on the control box attached to the mattress platform.

Proceed as follows:

UNPLUG MAINS PLUG

1 Unplug the bed from the mains power supply

2 Remove the screw holding the 2 battery carriers in place

3 Remove both battery carriers (the black plastic rings protruding from the control box) and remove the 9V batteries. If required, replace it with a new (type 6LR61 alkaline manganese) battery.

4 Reinstall the battery carrier. Be careful not to damage the wires or rubber O rings.

TROUBLESHOOTING

8 CARE, CLEANING & DISINFECTION

Clean and disinfect the bed before placing into service and before each re-use. To clean, wipe the bed by hand with a damp cloth. Use suitable cleaning and conditioning agents for wooden and synthetic furniture.

Household cleaners without ammonium or scouring agents are also allowed, but these should be dermatologically tested.

Solvents and scouring agents are not allowed as they damage the various surfaces of the care bed.

To disinfect: In the homepage of the Robert Koch Institute < http://www.rki.de > you will find a list dated of 31.05.2007 of approved and generally accepted disinfection agents and treatments and how they are to be correctly used.

Before cleaning and disinfection, unplug the mains plug hang up safely. Plugs for the handset and the motors which are inserted in the control unit MUST remain plugged in to ensure that water does not enter the control system.

9 TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	SOLUTION
No Response	Mains plug not plugged in	Insert mains plug into mains socket
	Locking function on handset activated	Unlock handset
	Handset not plugged in	Insert handset into mattress base motor
	Motor unit not plugged in	Plug motor unit into mattress base motor
Adjustment functions transposed	Connecting cables on the connectors transposed	Check plugs and connectors and change over plugging in locations
No function after power failure	9V block batteries are discharged	Replace 9V block batteries
Bed only moves very slowly	Bed only adjusted via the battery. Mains plug not plugged in Bed below 125mm (anti-crush engaged)	Plug in mains plug and replace the 9V block battery as a precaution Bed moves at 50% speed below 125mm
Bed will not lower always to floor	Anti-crush operational at 125mm	Remove finger from button, wait 1 second then press button again

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SERVICING

10 SERVICING

10.1 PRINCIPLES

Operators of care beds are obliged according to MPBetreibV (Operators of Medical Products Ordinance) §4 to guarantee the safe condition of the medical product over their entire service life.

The test according to the regulation EN 62353 contains the following minimum requirements:

- Visual check
- Measurement of leakage resistance
- Measurement of leakage current
- Functional test
- Overall evaluation

The service life of the care bed depends essentially upon the handling and servicing.
To guarantee safe operation, a visual and functional test including an electrical test must be carried out at least once a year. For this purpose, proceed according to the technical safety checklist as per regulation EN 62353 in section 10.2

If there is any doubt about the safety or functionality of the bed or even a part of the bed as a result of the work performed below, the bed should under no circumstances be in service again.

Contact the supplier or manufacturer in this case.

SERVICE RECORD

10.2 LIST OF TECHNICAL SAFETY CHECKS ACCORDING TO EN 62353

Care bed: **WOBURN ULTRA-LOW** Person in charge: .....

Serial No.: ..... Location: .....

	INSTRUCTION FOR TESTING	COMMENT	YES	NO
1	Is the general condition OK?			
2	Are the type plates for the bed and the motors legible?			
3	Is the Instruction Manual available to staff?			
4	Is the use one for which it was intended and is it safe?			
5	No surface damage or corrosion?			
6	Mechanical components and welded joints without faults?			
7	Are all mechanical connecting elements securely fixed?			
8	Mattress base underside undamaged?			
9	Can all adjustment options for the bed be operated without hindrance on site?			
10	Is the mechanism for locking the thigh rest in place in working order?			
11	Has the load test been carried out successfully according to the regulations?			
12	Are the patient's lifting pole with the grab handle and the lifting pole sleeve undamaged and without any signs of wear?			
13	Have castors including locking brake been tested for safe functioning?			
14	Mains cable, connecting cables and plugs without damage?			
15	Fixture available for safe transportation of mains plug?			
16	Strain relief of the mains cable and handset securely attached?			
17	Are all plug-in connections securely attached? (O rings without damage?)			

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SERVICE RECORD

	INSTRUCTION FOR TESTING	COMMENT	YES	NO
18	Are cables laid correctly and safely? (No damage)			
19	Motor housing and SMPS housing, mains plug housing without damage?			
20	Are the pistons of the height adjustment motors undamaged?			
21	Functional test of the handset: can the buttons be operated properly?			
22	Functional test of handset locking device: On/Off working correctly?			
23	Is the anti-crush function operating at 125mm when lowering the bed?			
24	9V block battery OK / expiry date sufficient until next test?			
25	Is the safe working load adhered to?			
	Overall evaluation of the bed: Bed OK?			

Comments:.....

.....

.....

.....

.....

Date: ..... Next inspection: .....

Inspected by: ..... Signature: .....

The Ultra-Bed bed must be serviced every 12 months in order to take advantage of the 5 year warranty. Please contact Harvest Healthcare if you require another copy of this service record.

SERVICING

10.3 MEASUREMENT OF OVERALL ELECTRICAL SYSTEM

The measurements described here must only be performed by a qualified electrician or by an electro technically trained person, (using suitable measuring and testing devices).

The measurements shall include as a minimum the testing of the housing leakage current and the measurement of the isolation resistance.

The following measured values must be attained:

*Housing leakage current	<= 0.2mA
*Isolation resistance	<= 7MΩ

During testing the corresponding button on the handset must be kept constantly pressed.

The measurement is to be performed between:

- *The control unit and the bed frame
- *The control unit and the handset

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SERVICING

11 GUARANTEE

As stated in our Standard Terms and Conditions, we provide a manufacturer's warranty of 5 years from the date of purchase.

To take advantage of the 5-year warranty, the bed must be serviced (without exception) every 12 months by a Harvest Healthcare Ltd approved technician using only Harvest Healthcare Ltd original spare parts. A service record must be completed (an example can be found on **pages 28-29)**.

12 SERVICE LIFE & DISPOSAL

The service life of our care beds in domestic use is assumed to be approximately 5 years. This naturally depends upon the manner of use. The care bed is suitable for reuse if all measures of section 6.3 and 10 are taken. Frequent transportation, setting up and adjustment reduce the service life, as do improper treatment, irregular servicing and exceeding the safe working load or the admissible load cycle of the electric motors. The care bed must not be disposed of as normal household waste after the end of its service life. To ensure that it is disposed of in an environmentally compatible way please contact Harvest Healthcare Ltd.

TECHNICAL SPECIFICATION

13 TECHNICAL SPECIFICATION

13.1 TECHNICAL DATA (MECHANICAL)

Safe working load (max. admissible load)	185 kg
Individual loads of the safe working load	Max. weight of patient 175 kg Mattress 200 x 90 x 6cm 10 kg
	Total 185 kg
Safe load, patient's lifting pole	80 kg
Max. weight of patient	175 kg
Max. mattress weight:	10kg
Length:	2399mm (2000mm long mattress base)
Upper level of head section/foot section	664-1386cm
Height adjustment of mattress base adjustable height from:	78-800mm
adjustable electrically up to	approx. 70°
Thigh rest adjustment continually adjustable electrically up to	approx. 30°
Foot rest in raised position	mechanically, -20°-0° in 4 stages
Mattress base surface	Steel slatted base
Castors with individually lockable brake	Ø 75 mm double plastic castors
Max. castor loading capacity	80 kg / pcs. (static)
Operating noise:	< 53 db(A) at a distance of 1m

13.2 TECHNICAL DATA (ELECTRONIC)

Power supply unit (LIMOSS)	MC125DL-100-UK, 602547
Control unit	MC222-M4-53-N2-IPX6, 602638
Handset	HC148+4-037 D
Voltage rating	230/240V
Frequency rating	50-60 Hz
Type of current	AC ~
Nominal consumption during operation	2.5A
Nominal consumption in idle state	0.5 Watt
Nominal operating time/ Nominal idle time	2 Min. / 18 Min (max. 5 switching cycles/min.)
Primary safety fuse	2.0 A
Battery for emergency lowering	9V block battery (alkaline manganese type 6LR61)
Mattress base motor units (back)	MD125-65-L3-415-294-IPX4, 452245
Mattress base motor units (leg)	MD125 L3 215/32-aus/ein, 451935
Height adjustment motor units	MD121-04-L3-551-358-IPX4
Motor unit protection class	IPX4

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TECHNICAL SPECIFICATION

13.3 TECHNICAL DATA (ENVIRONMENT)

Temperature range during operation	+10°C to + 40°C
Temperature range for storage/transport	-10°C to + 60°C
Humidity of the air	30% to 75% rel.
Air pressure	Between 795 and 1060 hPa

13.4 CLASSIFICATION

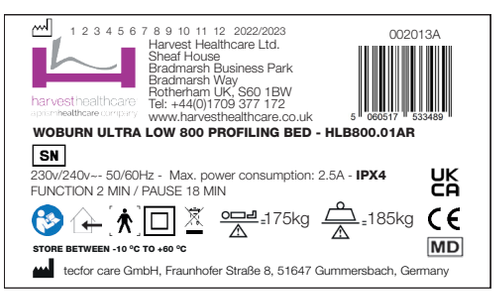
Medical product	Class 1
Degree of protection to DIN EN 60601-1	Type B (protection against electric shock)
Housing degree of protection to EN60529	IPX 4 (not suitable for automated washing systems)
Max. duty rating	10%, ON 2 min / OFF 18 min
Max. switching cycles/min	5
Safety inspections	1 x per year

13.5 WEIGHTS OF INDIVIDUAL COMPONENTS

Mattress base / Head side	29 kg
Mattress base / Foot side	24 kg
Head end / Foot end 2 x	33.5 kg/pcs
Transporting device (optional)	5.0 kg
Overall Weight of bed	125 kg

13.6 TYPE PLATE

Attached to the outside surface of the mattress base frame. (See Overview)



EMC STATEMENT

13.7 INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

The care bed meets the normative requirements with regard to its electromagnetic interference emissions and its immunity to interference. Therefore, if the care bed is used as intended, no functional restrictions are to be expected due to possible electromagnetic interference from adjacent electrical devices.

Attention:
Nevertheless, the use of the care bed in the immediate vicinity of other electrical devices should be avoided in order to prevent the care bed from malfunctioning due to electromagnetic interference. If it is necessary to use the care bed in addition to other electrical devices, the proper functioning of the care bed and these devices should be observed.

Only spare parts (mains cable, handset, motors, etc.) and accessories that have been approved by the manufacturer tecfor care GmbH may be used in order to be able to guarantee trouble-free operation of the care bed.

The use of other accessories, other converters and other cables than those provided by tecfor care for this care bed can result in increased electromagnetic interference emissions or reduced electromagnetic interference immunity of the care bed and lead to faulty operation.

Portable HF communication devices (mobile phones, two-way radios, etc.) including their accessories (e.g. antenna cables and external antennas) should not be used within a distance of less than 30 cm from the electrical components and cables of the Woburn Ultra Low 800 profiling beds.
Non-observance can lead to a reduction in the performance characteristics of the care bed.

The Woburn Ultra Low 800 profiling beds are intended for use in the following specified electromagnetic environment during its entire service life in order to maintain basic safety and functional characteristics. The operator or user of the care bed should ensure that it is used in such an environment.
The Woburn Ultra Low 800 profiling beds meet the requirements of the following EMC standards for interference emission and interference immunity:

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EMC STATEMENT

AMBIENT LIMIT VALUES OF THE INTERFERENCE EMISSIONS	
Phenomenon	operation site in the field of medical care in a home environment
Conducted and radiated interference emissions	CISPR 11, Group 1, Class B
Harmonic distortions	see IEC 61000-3-2
Voltage fluctuations and flicker	see IEC 61000-3-3

SHEATHING	
Phenomenon	EMC basic standard or test method
Electrostatic discharge	IEC 61000-4-2
High-frequency electromagnetic fields	IEC 61000-4-3
High-frequency electromagnetic fields in the immediate vicinity of wireless communication devices	IEC 61000-4-3
Magnetic fields with energetically rated frequencies	IEC 61000-4-8
Magnetic fields at close range	IEC 61000-4-39

EMC STATEMENT

AC PORT FOR SUPPLY INPUT		
Phenomenon	EMC basic standard or test method	Immunity test level
Short, transient electrical disturbances / bursts	IEC 61000-4-4	± 0,5 kV, ± 1kV
Surges: conductor to conductor	IEC 61000-4-5	10 V/m ;(80 MHz up to 2,7 GHz; 80% AM at 1 kHz)
Conducted interference induced by high-frequency fields	IEC 61000-4-6	3 V 0,15 MHz up to 80 MHz 6 V in ISM and amateur radio frequency bands between 0,15 MHz and 80MHz 80 % AM at 1kHz
voltage dips	IEC 61000-4-11	0% UT ; ½ period at 0, 45, 90, 135, 180, 225, 270 and 315 degree
		0% UT ; 1 period and 70% UT; 25/30 periods single-phase at 0 degree
Magnetic fields at close range	IEC 61000-4-11	0% UT; 250/300 periods

DC PORT FOR SUPPLY INPUT		
Phenomenon	EMC basic standard or test method	Immunity test level
Short, transient electrical disturbances / bursts	IEC 61000-4-4	± 2 kV 100 kHz repetition frequency
Surges: conductor to conductor	IEC 61000-4-5	± 0,5 kV, ± 1kV
Surges: conductor to earth	IEC 61000-4-5	± 0,5 kV, ± 1kV, ± 2kV
Conducted interference induced by high-frequency fields	IEC 61000-4-6	3 V 0,15 MHz up to 80 MHz 6 V in ISM and amateur radio frequency bands between 0,15 MHz and 80MHz 80 % AM at 1kHz

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EMC STATEMENT

PATIENTS' CONNECTION PORTS		
	EMC basic standard or test method	Immunity test level
Electrostatic discharge	IEC 61000-4-2	± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air
Conducted interference induced by high-frequency fields	IEC 61000-4-6	3 V 0,15 MHz up to 80 MHz 6 V in ISM and amateur radio frequency bands between 0,15 MHz and 80MHz 80 % AM at 1kHz

SIP/SOP-TOR (SIGNAL INPUT / OUTPUT PART)		
	EMC basic standard or test method	Immunity test level
Electrostatic discharge	IEC 61000-4-2	± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air
Short, transient electrical disturbances / bursts	IEC 61000-4-4	± 1 kV 100 kHz repetition frequency
Conducted interference induced by high-frequency fields	IEC 61000-4-6	3 V 0,15 MHz up to 80 MHz 6 V in ISM and amateur radio frequency bands between 0,15 MHz and 80MHz 80 % AM at 1kHz

LABELS

TEST SPECIFICATIONS FOR THE IMMUNITY OF SHEATHINGS TO HIGH-FREQUENCY WIRELESS COMMUNICATION EQUIPMENT		
Frequency band (MHz)	Radioservice	Modulation
380 to 390	TETRA 400	Pulse modulation 18 Hz
430 to 470	GMRS 460, FRS 460	FM ± 5% lift, 1kHz sine
704 to 787	LTE band 13, 17	Pulse modulation 217 Hz
800 to 960	GSM 800/900, TETRA 800 iDEN820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz
1700 to 1990	GSM 1800, CDMA 1900, GSM 1900, DECT, LTE band 1;3; 4; 25; UMTS	Pulse modulation 217 Hz
2400 to 2570	Bluetooth, WLAN 802.11 b/g/n, RFID 2450, LTE band 7	Pulse modulation 217 Hz
5100 to 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz

The minimum distances for higher immunity test levels shall be calculated using the following equation.

$$E = \frac{6}{d}\sqrt{P}$$

P = maximum power in watts (W)
d = Minimum distance in meters (m)
E = Immunity test level in volts per meter (V/m)

If a test with these increased test levels is passed, the stated minimum distance of 30cm can be replaced by the new minimum distance calculated for the increased immunity test levels.

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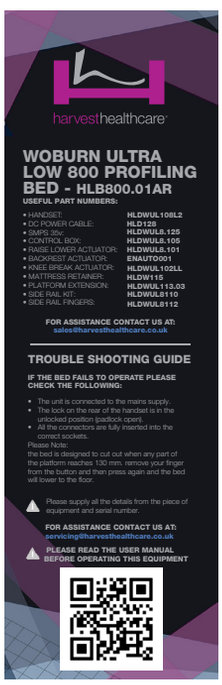
LABELS

13.8 LABELS

A



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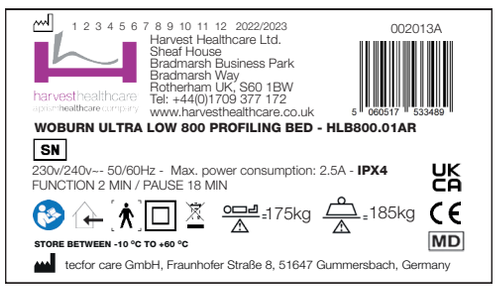

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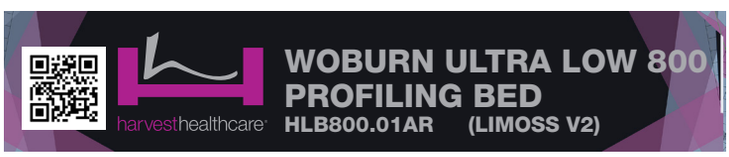

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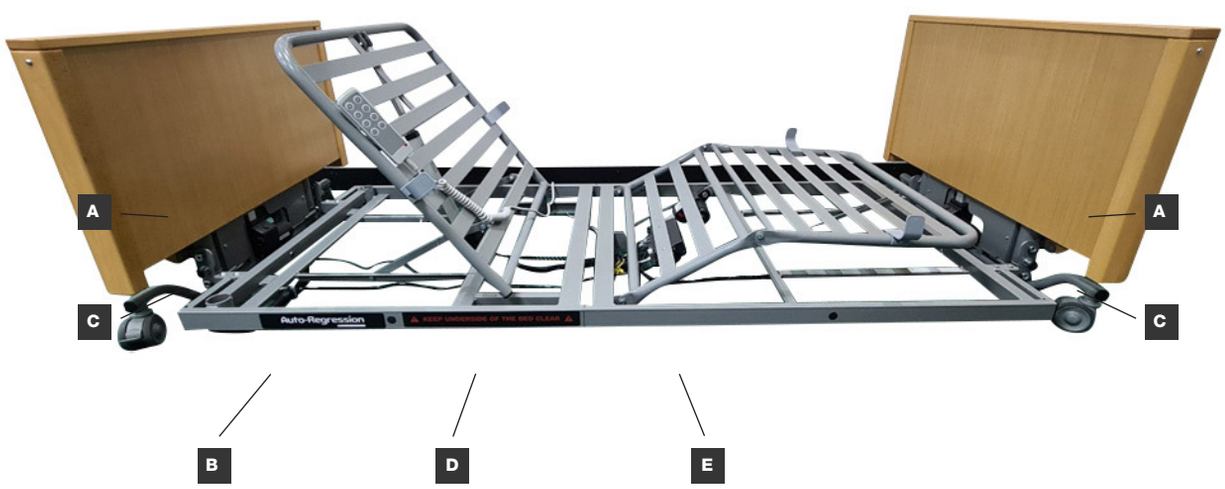
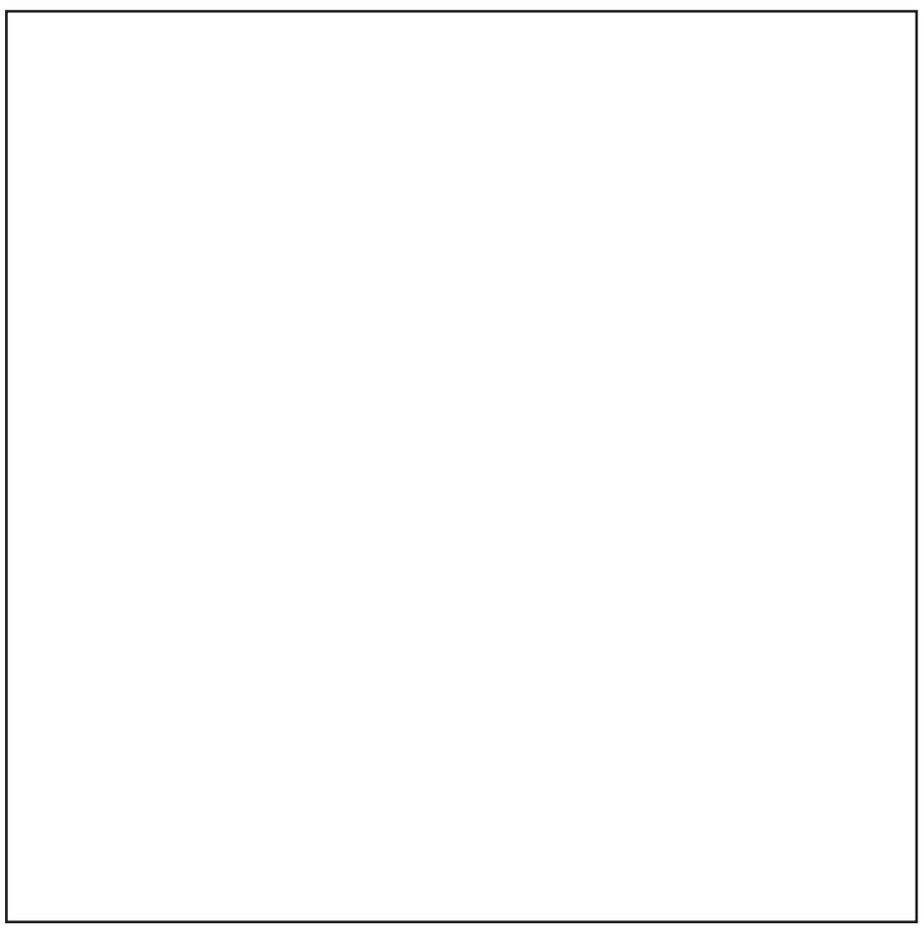


DATE OF PURCHASE

Date of purchase:.....

Distributor stamp:.....

You can fix your receipt here:



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NOTES

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NOTES

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All parts and data continually undergo further development and may therefore deviate from the details given.