

Bradshaw Range

Nursing Care Beds



Bariatric, Wide, Low and Standard Electrically
Operated, Variable Height Beds

Instructions for use

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Still making it better...

At Sidhil, everything we do is designed around quality. From our modern and efficient manufacturing plant in Halifax, West Yorkshire, we manufacture a range of products for the healthcare market using leading edge production technology and finishing processes.

We are the only remaining volume manufacturer of hospital beds in the UK, bringing together innovation in product development, sales, customer service and logistics to provide clear benefits for our customers in terms of flexibility, short production timescales and support for our nationwide network of service and maintenance centres.

Excellence in customer service is our key objective. Alongside our focus on innovation, research and product development, we use our UK manufacturing facility to ensure optimum levels of product and spares availability, with unparalleled levels of reliability and performance.

Corporate social responsibility is also an issue for Sidhil. We have now received accreditation to ISO 14001, underlining our commitment to maintaining the highest levels of environmental awareness and sustainability across our manufacturing operation.

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I. INTRODUCTION

Thank you for purchasing this product. These instructions for use should be read carefully before operating the bed. Please ensure that you understand all instructions, if you have any questions concerning the operation or maintenance of the bed please contact your provider / supplier who will provide you with expert professional advice.

2. CONTACT INFORMATION

For any service, warranty, sales or customer service information on this product please contact your provider or if in doubt contact Drive DeVilbiss Sidhil Ltd at the following address.

Please quote the product serial number on all correspondence.

Drive DeVilbiss Sidhil Ltd.
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Halifax
West Yorkshire
HX2 9TN
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Service & Maintenance

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For Service & Support outside the UK & Northern Ireland please contact the local distribution company from where this equipment was purchased. Failure to do so may result in the manufacturer's warranty becoming void.

3. PRODUCT DESCRIPTION

3.1 Environment

The Bradshaw range is intended for use in a long term care area where medical supervision is required and monitoring is provided if necessary (e.g. nursing homes, rehabilitation facilities, geriatric facilities).

3.2 Intended Use

The bed frame is intended to support a single adult who is up to 178kg in weight, with the Bradshaw Bariatric bed supporting a single adult who is up to 318kg in weight. A lower (or upper) age limit is not defined as it depends on the physical size of the patient in relation to the various proportions and gaps around the bed frame. Patients must be in excess of 146cm in height ranging up to 185cm (when bed extension not fitted). A risk assessment must always be performed on the suitability of the patient to the bed frame and any ancillary accessories.

It is the carer's responsibility to determine that the patient is both mentally and physically capable of occupying the bed with minimal risk of personal injury.

The bed is intended to provide patients with a degree of independence whilst aiding the manual handling requirements of the carer.

3.3 Product Overview

The Bradshaw bed is intended to be plugged into a permanent mains supply at all times during use. The bed has a handset which is intended to be used by both the carer and the patient. It is the carer's responsibility to determine that the patient is mentally capable of operating the handset with minimal risk of personal injury. The carer has the ability to lock out all functions or the Trendelenburg function only to reduce the risk of accidental operation.

The handset operates an electronic linear actuator system which is controlled via a central control box. The actuators are attached to the moving parts of the bed frame allowing the bed to be operated via the use of the handset.

The bed comprises of a powder coated mild steel platform frame with wooden full length side rails and wooden end boards/covers; it has a safe working load of 215kg, with the Bradshaw Bariatric bed having a safe working load of 368kg. The bed is manoeuvrable via the aid of four independent castors attached to the bed ends.

To aid transportation the bed is intended to be split into four separate sections (both bed ends, backrest platform and leg section platform) and it comes as standard with a transport stand to enable the four bed sections to fit through doorways, into lifts, on delivery vehicles etc. The side rails are not intended to fit onto the transport stand.

3.4 Features

- Electrically operated backrest, height and leg rest angle.
- Infinitely variable electrically operated head* and foot down tilt (Trendelenburg* & reverse Trendelenburg).
- Auto contour – simultaneous adjustment of the backrest and leg rest section.
- Patient handset with integral function lockout .
- Bed breaks down into four separate sections.
- Wooden full length side rails.
- Transport stand to aid storage and bed transportation.
- Electrical system IPX4 rated – Splash resistant.



Warning

*If patient requirements are such that Trendelenburg functionality is deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed (handset code CONTROL/121).

3.5 Tools Required

- 4mm allen key - supplied with original equipment.
- Philips (cross-head) screwdriver: Bradshaw Standard & Low control box cable clip.

3. SAFETY

4.1 Warnings and Cautions



Warning

Warnings in these instructions for use highlight potential hazards that if disregarded could lead to injury or death.



Caution

Cautions in these instructions for use highlight potential hazards that if disregarded could lead to equipment damage or failure.

4.2 Risk Assessment

Before a patient uses the bed a risk assessment must be performed on a patient by patient basis. The risk assessment should include, but is not limited to:

- Entrapment
- Falling out of the bed
- Small adults (and children)
- Patients with learning difficulties
- Unauthorised people with access to the bed
- Use of side rails

4.3 Contraindications

Patient conditions for which the use of the Bradshaw bed is a contraindication are as follows:

- Cervical or skeletal traction.
- Unstable spinal fractures – If bed functions remain unlocked.
- General skeletal fractures – If relevant bed functions remain unlocked.
- Mental capacity not sufficient to operate handset functions safely – If bed functions remain unlocked.
- Confused, agitated or restless – If side rails fitted and/or in raised position.
- Exceeds maximum patient weight of bed.
- Less than 146cm in length.

Other contraindications may be relevant which are specific to the patient or care environment.

4.4 Bed Load

	Bradshaw Std, Low and Wide	Bradshaw Bariatric
Safe working load:	215kg (34 stone)	368kg (58 stone)
Maximum patient weight:	178kg (28 stone)	318kg (50 stone)

Safe working load is the sum of:

- Patient mass
- Mattress mass
- Accessories mass
- Mass supported by the accessories (excluding patient mass)



Warning

The maximum loads shown above are for the bed to be occupied by one person only. The bed is not designed to take the weight of visitors sitting on the side of the bed. Additional weight could damage components or cause the bed to topple, causing injury.

4.5 Training

All users of this bed are to be suitably trained prior to use and patients are to be familiarised with handset and bed functionality at the earliest opportunity. It is the responsibility of the end user to ensure they have received sufficient training to use the bed and any associated accessories safely and correctly.

For further information in regards to training options please contact Drive DeVilbiss Sidhil Ltd. or your local provider (see section 2).

4.6 General Warnings



Warning

- The bed is to be installed and put into service in accordance with the information provided in these instructions for use.
- The bed is typically not suitable for child use, if it is to be used for child occupancy ensure a risk assessment has been undertaken taking into account the proportions of the child and dimensions of the bed frame.
- The bed is not suitable for occupants who are less than 146cm in length - If in doubt please contact your provider or Drive DeVilbiss Sidhil Ltd. for further advice.
- Misused electrical equipment can be hazardous.
- Accessories that have not been approved or designed for use with the bed are not to be used.
- Modification of the bed frame is not allowed without the permission of Drive DeVilbiss Sidhil Ltd. – A hazard could be introduced.
- Electrically operated beds shall not be used in the presence of flammable gasses or used in oxygen rich environments – Risk of explosion / fire.
- Bed functions must be locked out if there is any doubt about the ability of the patient to operate the bed safely.
- If children, adults with learning difficulties or even pets pose a potential risk of intentional or unintentional tampering with the bed its suitability for use is to be considered during the initial patient / product risk assessment.
- The maximum loads shown in section 4.4 are for the bed to be occupied by one individual only. The bed is not designed to take the additional weight of individuals sitting on the side of the bed. Additional weight could damage components or cause the bed to become unstable.
- The RF emissions from the electrical system are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is possible (see section 15 for further detail).

5. TRANSPORT AND STORAGE

The following conditions should be followed when transporting and storing the bed:

- Bed always to be stored on transport stand.
- Bed always to be stored on a flat and level floor.
- Bed ends set to minimum height
- Bed extension to be removed (where applicable).
- Side rail components (not including wooden side rails) to be kept in the aluminium channel on the bed ends (or stored safely together).
- Brakes applied.
- All profiling sections secured with hook and loop tape (or similar).
- All functions locked out.
- Covered to protect from fluid ingress, dirt, dust etc.
- Beds must not be stored one on top of another.
- Beds not to be stored on their side.
- Ambient temperature: -20°C to +50°C.
- Humidity: 30% - 75%.
- Atmospheric pressure: 800hPa to 1060hPa (altitude ≤ 2000m)



Warning

- The bed is not intended for patient transport, it is not to be moved out of the room it is located in with a patient occupying the bed. If the bed is to be moved within the room with a heavy occupant it should be assessed whether or not two people should move the bed, this is dependent on the situation and load on the bed.
- If transporting the bed whilst on its transport stand ensure that two able bodied people move the bed whenever it is being moved up / down a slope to minimise any risk of tipping.



Caution

The bed is not to be pushed over thresholds – If done so damage to the frame could occur.

6. SYMBOL IDENTIFICATION

The following symbols are found on this bed:



Warning

Beware of potential hazard



Refer to instructions for use - Recommended

Failure to read the instructions for use could introduce a hazard



Refer to instructions for use - Mandatory

Failure to read the instructions for use could introduce a hazard



Maximum patient weight

Refer to section 4.4



Safe working load

Refer to section 4.4



W.E.E Label - Found on individual parts of electrical system

(Waste Electrical and Electronic Equipment)

Refer to section 14



Type BF Applied Part

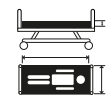
Applied Part: The parts of the device that come into physical contact with the user/occupant in order for it to carry out its intended function (refer to section 16.2 for a description of the applied parts).

Type BF: Applied parts which are electrically isolated from earth and other parts of the medical equipment - Complying with specific requirements for protection against electric shock to IEC 60601-1.



Class II electrical device

The user/occupant is protected by at least two layers of insulation between the current carrying parts (e.g. mains cable) - if damage is noticed to the control unit or mains cable assembly turn off at the mains supply and contact your provider or Drive DeVilbiss Sidhil Ltd immediately.



Mattress suitability

Refer to section 17

7. PARTS IDENTIFICATION



Note: Illustration shown of Bradshaw Standard bed

1. Head end (actuator with blue marker)
2. Side rail
3. Handset
4. Side rail channel
5. Castor
6. Backrest frame
7. Leg rest actuator
8. Leg section frame
9. Side rail release button
10. High/low actuator
11. Foot end (actuator with white marker)
12. (Backrest actuator and control box - not visible)

8. BED ASSEMBLY AND PREPARING FOR USE

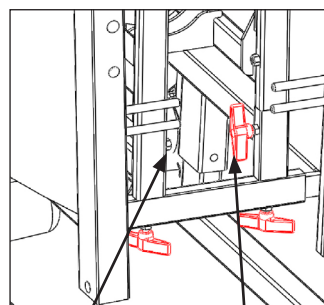
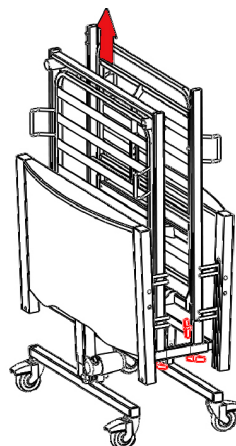


- Before attempting to assemble the bed ensure these instructions have been read and fully understood.
- It is advisable to assemble the bed with a second able bodied person.
- Take care when disassembling the bed from the transport stand, the sections are of considerable weight.

8.1 Removal from the Transport Stand

An Allen key (provided) is necessary for the assembly of the bed. The assembly procedure is as follows:

- Clear the area intended for the bed of any obstructions and ensure the surface is level.
- Apply the brakes to the castors.
- Loosen the hand wheels on the transport stand that hold the leg section in place and then lift this section off the stand and carefully place flat on the floor.
- Loosen the grub screws on the backrest section (attaching it to the transport stand) and then lift this section off the stand and carefully place flat on the floor.
- Loosen the hand wheels under the transport stands on one of the bed ends
- Carefully detach the bed end from the transport stand and place carefully against a wall or on the floor. ***Note, when the transport stands are pulled away neither bed end will be supported.***
- Loosen the hand wheels under the transport stands on the remaining bed end.
- Carefully remove the ends of the transport stands away from the bed end.

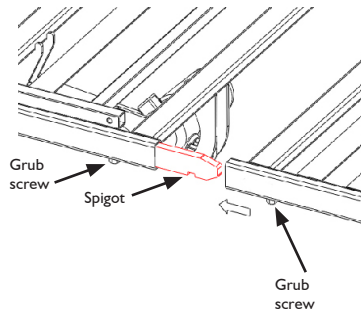
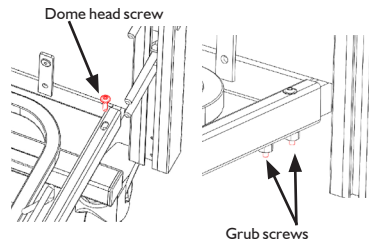
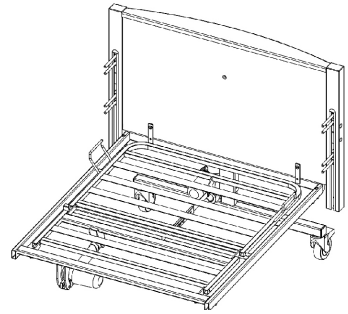


Grub screw Hand wheels

The bed has now been separated into its constituent parts.

8.2 Assembling the Bed

- Whilst supporting the foot end (identified by white marker on the actuator cable), lift the leg section frame and slide the spigots on the bed end into the platform's end. With the spigots fully inserted, lean both parts down so that the end of the platform section rests gently on the floor. **Note: If this action is being undertaken by a single person Sidhil recommend that the castors are braked before assembly commences.**
- Take two dome head screws (supplied) and screw one into each slot on the upper face. Do not fully tighten.
- Take four grub screws (supplied) and screw two into each slot on the lower face. Do not fully tighten
- Repeat for the head end and backrest platform half. (Blue marker on actuator cable identifies end).
- Cut off/remove the plastic retaining ties/Velcro straps from the head and foot mattress platforms.
- Release the brakes on the castors.
- Bring both halves of the bed together and align each section so that the spigots in the backrest frame locate into the open tube ends in the leg section frame. Pull the two sections together and tighten the 2 grub screws.
- Once both halves are together, **tighten all grub and dome head screws, making sure the grub screws are tightened before tightening the dome heads.**



Warning

The bed must never be used with any screws loose or missing – Risk of collapse.



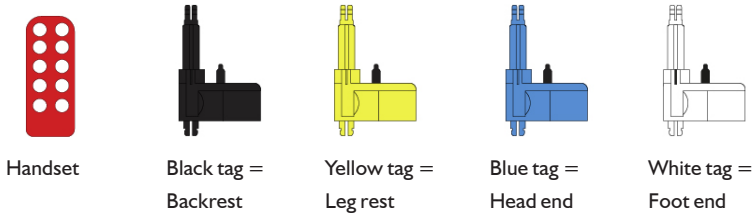
Caution

Ensure all tie wraps (or similar) securing any of the sections in place are removed prior to operation - Damage to the frame could occur.

8.3 Fitting the Electrical System

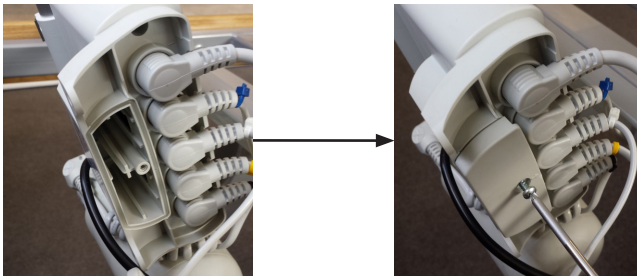
8.3.1 Bradshaw and Bradshaw Low System

- Plug the actuator and handset cables into the control box. The cables are matched to the graphic on the control box with coloured tags, using this plug the cables into the corresponding ports. Note, the plugs only fit into the ports in one orientation. Ensure the cables are plugged fully into the control box.

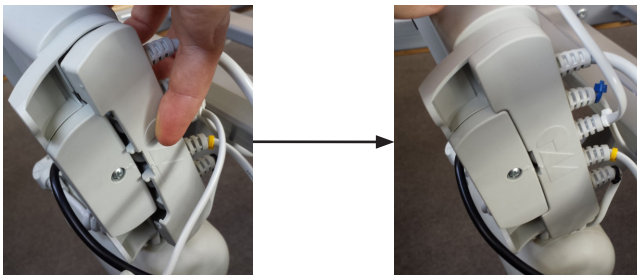


Note: The two bed ends are identical but plugging them into the correct port is important for the tilt function to work as intended. Note the cable tie colour before plugging in.

- Once all the cables are connected they are to be secured in place by attaching the supplied retaining covers. The battery cover is fastened in place using the supplied screw (Torx driver required). The cable cover can then be clipped into place as shown below.

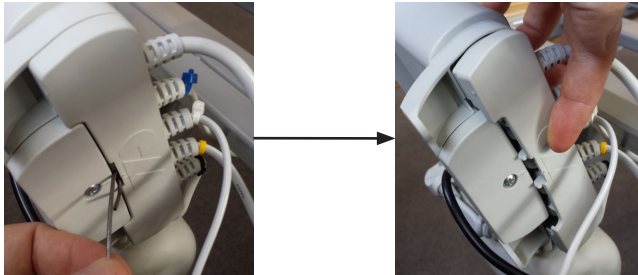


Step 1: Fit battery cover using provided screw



Step 2: Cable cover clips into place

- To remove the cable cover, lever it off using the slot shown below:

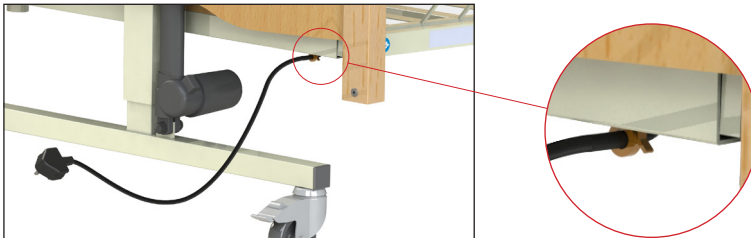


- The mains cable exiting the control unit is to be connected to the power supply plug. Take the 2 plugs and push them together, ensuring the connection has been fully made.



(Image courtesy of DewertOkin GmbH)

- Clip the mains cable into the clip on the head end section of the bed.



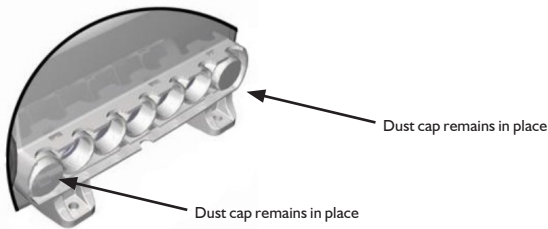
Caution

- Ensure all cables are free from moving parts and are not under excessive tension.
- Ensure the two high / low actuators are plugged into the correct ports, if the tilt function is not functioning as expected the plugs or entire bed end may have been incorrectly located.

- Proceed to section 8.4.

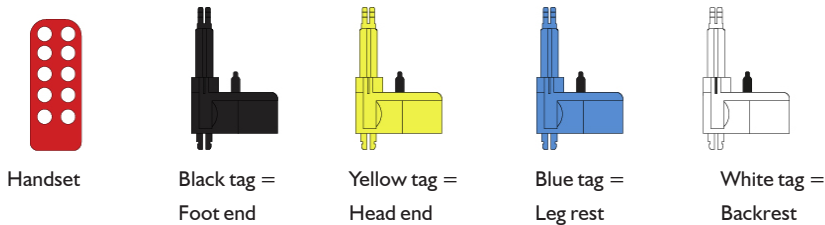
8.3.2 Bradshaw Wide and Bradshaw Bariatric System

- If fitted, remove the black dust caps from the 5 middle actuator ports, leaving the outer 2 in place.



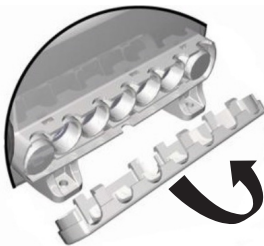
(Image courtesy of DewertOkin GmbH)

- Plug the actuator and handset cables into the control box. The cables are matched to the graphic on the control box with coloured tags, using this plug the cables into the corresponding ports. Note, the plugs only fit into the ports in one orientation. Ensure the cables are plugged fully into the control box.



Note: The two bed ends are identical but plugging them into the correct port is important for the tilt function to work as intended. Note the cable tie colour before plugging in.

- Once all the cables are connected they are to be secured in place by attaching the supplied retaining clip.



(Note: actuator and handset cables not shown)

(Image courtesy of DewertOkin GmbH)

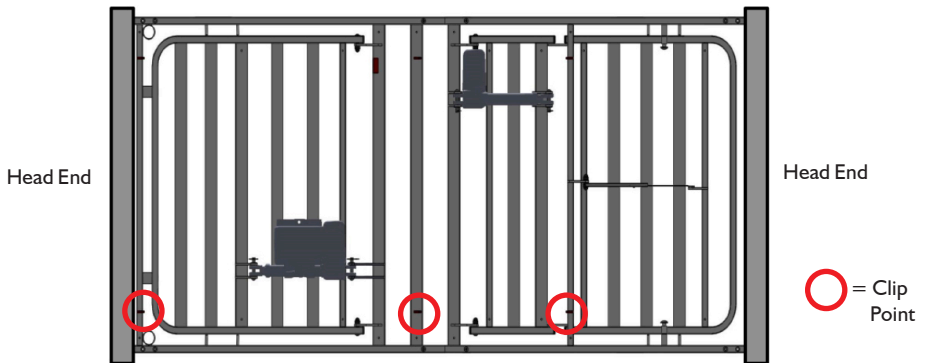


Caution

- Ensure all cables, in particular the mains cable, are free from moving parts and are not under excessive tension.
- Ensure the two high / low actuators are plugged into the correct ports, if the tilt function is not functioning as expected the plugs or entire bed end may have been incorrectly located.

8.4 Ancillary Product Cable Routing - Bradshaw Standard and Low Only

When fitting ancillary electrical equipment the ancillary mains cable(s) is to be routed using the plastic clips located underneath the bed, if practical.



Note, when fastening in place ensure the clips are fully secured and closed.

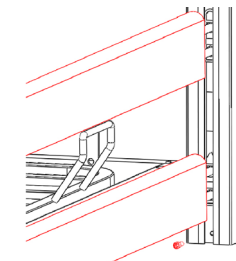
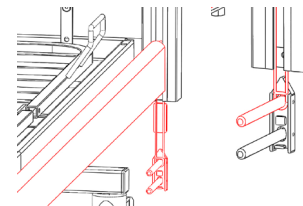
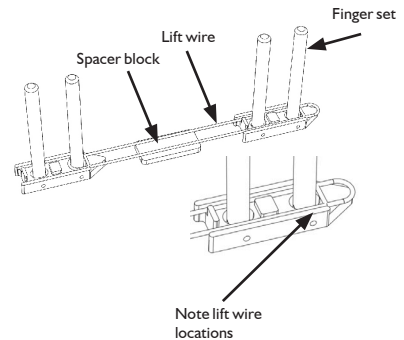
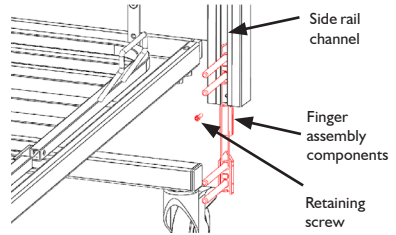


Caution

Ensure all cables are free from moving parts and are not under excessive tension.

8.5 Fitting the Side Rails

- Lower / raise the bed to mid height. Depress each end's side rail release button (see section 7) and lower the finger assemblies to the bottom of the channel.
- On the foot end, remove the retaining screw at the bottom of the Side rail channel on one side. **Do not remove head end retaining screws.**
- Remove the finger assembly from the channel.
- Take both side rails (rounded face pointing upward) and slide the end of them into both sets of fingers that are still located in the channel at the head end of the bed. Carefully rest the unattached ends on the floor taking care to ensure that the other ends are sufficiently far into the fingers so that they will not fall out.
- Take the previously removed finger assembly, place the lift wire over the top finger set (as shown in illustration to the right) and insert into the other end of the top side rail. Slide the finger assembly inside the channel. It is recommended that a second person holds the rail at this point.
- Whilst holding the top side rail, slide the plastic spacer block into the channel and place the upper finger of the bottom finger set through the hole in the lift wire (as shown in illustration to the right) and into the other end of the lower side rail and lift the assembly until a click is heard.
- Re-fit the previously removed retaining screw. (This ensures that the side rail finger assembly cannot fall out of the channel when in the lowered position).
- Repeat the assembly process for the side rails on the other side of the bed.



If there is any doubt about the assembly of the side rails contact the provider of the equipment, incorrectly fitted side rails can lead to death.

8.6 Checking the Bed

The bed is now fully assembled. Before the bed is put into use ensure the bed is correctly assembled:

- Ensure the correct side rails are fitted to the bed, refer to section 16.1 to identify the differing beds and associated side rail types.
- Are the grub and dome screws on all 4 corners of the bed fully tightened fully?
- Are the 2 grub screws on each side of the bed connecting the two halves fully tightened?
- Has all packaging been removed, e.g. cable ties securing the platform sections?
- Are the cables free of all moving parts and is there sufficient slack in the cables to allow for movement?
- Is the bed clear of obstructions?
- Do the side rails raise/lower smoothly and lock automatically in the raised position?
- Has a risk assessment been performed on the suitability of the bed (and any ancillary equipment) for the user?
- Has the control box cable retaining clip been attached?
- Has the mains cable been attached to the securing clip on the head end of the bed?

9. OPERATION OF THE BED

9.1 Operational Limits

- Ambient temperature: +10°C to +40°C
- Humidity: 30% - 75%
- Atmospheric pressure: 800hPa to 1060hPa (altitude \leq 2000m)

9.2 Installation / Preparing For Use

Prior to operating the bed for the first time the following simple checks must be performed:

- After plugging the bed into the mains supply do not attempt to operate the bed for at least 10 seconds, to allow the control system to initialise itself.
- Ensure the bed and all accessories are at room temperature.
- Ensure the bed has been cleaned and disinfected (see section 12).
- Ensure the brakes on the castors at the head end of the bed have been applied.
- Ensure the castors are aligned so that they run parallel to the length of the bed.
- Ensure the mains cable is plugged into an appropriate mains socket.
- The handset is likely to be in the locked state, ensure it is set according to the patient requirements (see section 9.7).
- Using the handset ensure the bed is level.

If the electrical functions do not operate, ensure the handset has been 'unlocked' (see section 9.7 for handset operation).



Warning

- The bed is to be left in its lowest position when the patient is unattended in order to reduce the risk of injury due to a fall.
- Before operating the bed ensure the patient is positioned appropriately ensuring all limbs are clear of moving parts.
- The mains plug is the disconnect device for the means of isolating the bed from the mains supply, the plug must be accessible at all times.
- Ensure the mains cable is plugged into an appropriate power source at all times.
- Ensure the electrical cables are not in tension, paying particular attention to the mains cable when the bed travels up/down.



Warning

- Ensure that all cables and the handset are clear of all moving parts to prevent damage to the electrical components.
- Inappropriate handling/positioning of the mains cable could cause kinking or shearing of the cable which may lead to exposed live wires - Risk of electrocution.
- Precautions are to be taken when routing cables from external equipment around the bed to ensure that they do not become squeezed, trapped or damaged.
- A CE marked extension cable must only be used when it is not possible to reach a wall socket with the equipment mains cable – Contact Drive DeVilbiss Sidhil Ltd. for detail with regards to the safe use of extension cables.
- If an extension cable is used never overload it by plugging in appliances that together will exceed the maximum current rating stated for the extension cable – Risk of fire.
- Block adaptors are not to be used.
- Ensure multiple socket outlets are not positioned under the bed frame - Liquids that leak onto such a socket could pose an electrical / fire risk.
- Any electrical component that is part of the bed frame or associated ancillary equipment that is found to be damaged must be replaced immediately - Damaged electrical components can create a risk of electrocution and / or fire.
- Consideration is to be taken in the positioning of the bed cables and handset cable to minimise the risk of accidental strangulation resulting from baby, child or bed occupant entanglement.
- After assembly of the bed there should be no parts remaining, however consideration is to be taken in the event of spare components (pins, clips etc) being evident to minimise the risk of them being swallowed by a baby, child or the bed occupant and creating a choking hazard.
- Keep the bed away from sources of heat and naked flames (e.g. cigarettes, fireplaces, electric fires, fan heaters etc) – Close proximity could damage the electrical system, the steel bed frame could become hot, the plastic components could be adversely affected and the bedding could catch fire.
- Ensure that any mattresses used are of the correct size and type and have been fitted correctly – Incorrect mattress specification could lead to an entrapment and / or falls hazard.
- Ensure the mattress is compatible with the side rails (if fitted).



Caution

- Avoid placing the bed frame in direct sunlight – Direct sunlight could damage the electrical system, the steel bed frame could become hot, the plastic components could be adversely affected.
- Avoid placing the bed frame in a moisture rich environment – Prolonged exposure to moisture could damage the electrical system, the steel bed frame could be susceptible to corrosion, the plastic components could swell and adversely affect operation.
- Special care should be taken when fitting an air mattress to the bed as incorrect fitting could damage the bed frame.
- When the bed is operated, ensure that obstacles such as over-bed tables and other furniture are not causing an obstruction.
- Ensure the bed is positioned an appropriate distance from walls / other furniture to prevent damage or patient injury when operating the bed (particularly when operating it in tilt).
- If the Bradshaw Low or Bariatric beds are being used in conjunction with a hoist ensure the under bed clearances are checked before lowering the beds to minimum height – Risk of frames clashing.

9.3 Brake System

The bed has 4 braked castors.

- To apply the brakes: Press the brake pedal down.
- To release the brakes: Lift the brake pedal up.

When the bed is in use ensure the brakes on the castors at the head end of the bed have been applied – Foot end castors to remain unlocked if tilt function is to be used.

9.4 Side Rails and Mattresses

The Bradshaw bed range comes as standard with full length side rails. When specifying a mattress and side rail combination a clinical assessment of the patient's needs must be carried out in line with local policy.



Warning

- Ensure that any mattresses used are of the correct size and type and have been fitted correctly – Incorrect mattress specification could lead to an entrapment and / or falls hazard.
- Ensure the mattress fitted is used with a compatible side rail.

9.5 Side Rail Safety

Sidhil only recommends the use of Sidhil side rails with Sidhil beds. Sidhil does not recommend the use of the Bradshaw bed and side rails when caring for individuals who are less than 146cm in length - It is the equipment provider's responsibility to ensure suitability for use.



Warning

- Whilst every care has been taken to ensure that the design of Sidhil's side rails meet the relevant safety standards, beds fitted with side rails can still pose a potential risk of death from entrapment and asphyxiation.
- All staff responsible for the purchase, selection for use, and adjusting of bed side rails should be aware of the potential risk of entrapment and asphyxiation when a bed is occupied.
- Care must be taken when positioning and adjusting bed side rails to ensure that any spaces between the bed side rails, mattress or bed frame will not allow entrapment of the occupant's head or body. In addition, consideration should be given to the size and physiological condition of the occupant and an assessment undertaken to ensure that the spacing between the bars of the bed side rails is not wide enough to present a potential risk of entrapment and asphyxiation. All staff responsible are to be aware that increased vigilance is required when nursing patients in beds fitted with bed side rails.
- If the patient is prone to violent or extreme movements whilst in the bed, especially when left unattended, Sidhil recommend the use of the mesh cradle, 1275/EPS, to make the risk of patient entrapment between the side rails and / or bedframe as low as possible.

9.6 Operating the Side Rails



Warning

- Ensure the side rails are locked in place at all times when in the raised position.
- When raising / lowering the side rails ensure they are free from limbs, to prevent injury or entrapment.

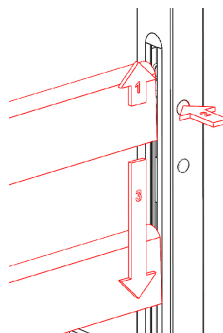


Caution

- Do not use the side rails to move the bed – Side rail / bed frame could be damaged.
- Do not use the side rails as a positioning or lifting aid – Side rail and/or bed frame could be damaged.
- When lowering do not drop the side rail – Side rail and/or bed frame could be damaged.

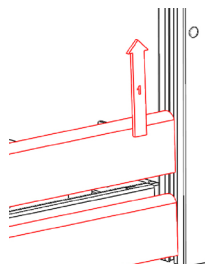
To lower:

1. Lift the upper side rail vertically upwards.
2. Depress the release button.
3. Gently lower the side rail until fully down.
4. Repeat process at opposite end of bed.



To raise:

1. Lift the upper side rail until it is heard to latch into position at the top height.



9.7 Electrical Operation

The bed is supplied with an easy to use handset. The handset may be operated by the occupant or carer. If the carer is to operate the bed ensure that the occupant is made aware of the action(s) about to take place.



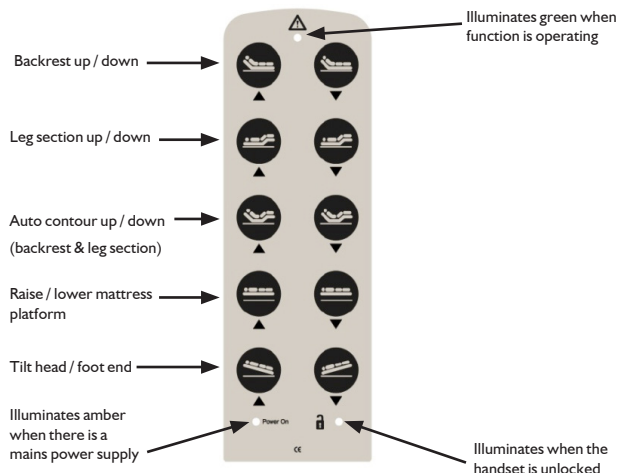
Warning

- Ensure a risk assessment is undertaken to ensure the suitability of the occupant or visitor using the handset.
- The handset cable must also be considered in regards to the risk of accidental strangulation of the bed occupant or visitors – If the cable introduces an unacceptable risk it is recommended that the handset is removed from the bed.
- Before lowering the bed ensure nobody is in close proximity to the underside of the bedframe – Risk of crushing.
- Before lowering the bed ensure feet / limbs are kept away from the castor pedals and underside of the wooden corner posts – Risk of crushing.



Caution

If the bed is continuously used for an extended period of time and it exceeds the duty cycle the control box and/or lift actuators may become temporarily disabled or irreparably damaged. If this occurs remove the power supply from the wall and allow system to rest for 20-30 minutes before attempting to re-operate – See section 15.2 for further detail.

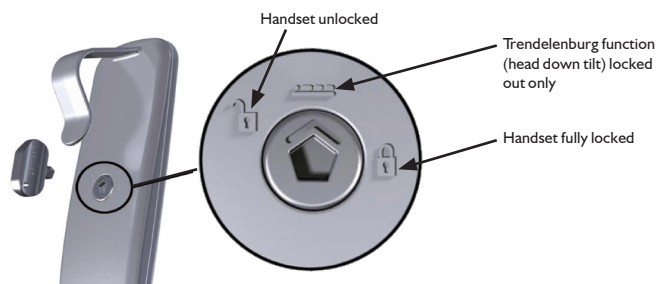


The handset is supplied with a lockout function which enables the carer to disable the bed's functions if they are deemed unsuitable for the occupant. The lockout function on the handset is to be used at the discretion of the carer.



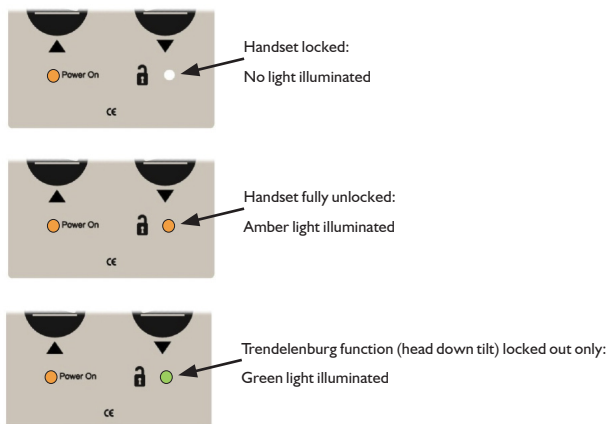
- Engage the lockout function if a patient could be injured due to inadvertent motion of the mattress platform.
- If children, adults with learning difficulties or even pets pose a potential risk of intentional or unintentional tampering with the bed the lockout function on the handset is to be used at the discretion of the carer.
- Consideration is to be taken in the storage of the handset lockout key to minimise the risk of it being swallowed by a baby, child or the bed occupant and creating a choking hazard.
- Consideration is to be taken in the location of the handset lockout key to minimise the risk of unauthorised users changing the lock setting.

To lock / unlock the handset, turn the handset over and insert the key into the recess. Rotate the key so that the arrow points to the locked / unlocked / Trendelenburg lock position as required.



(Image courtesy of DewertOkin GmbH)

As the key is rotated the light will extinguish/illuminate as determined by the lock state.



Note: When the Trendelenburg function is locked out and the bed is in the foot down tilt position the platform is levelled via the mattress platform raise/lower buttons to take the frame fully up or down until the platform is level.



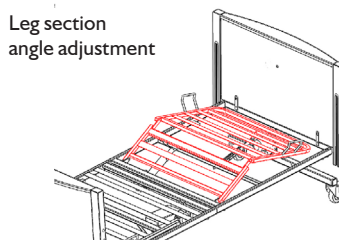
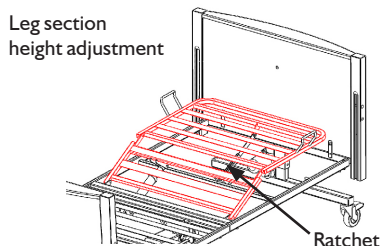
Warning

If patient requirements are such that Trendelenburg functionality is still deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed (handset code CONTROL/121), please refer to the contact information in section 2 to order or to request further information.

9.8 Leg Section

Note: The operation of the leg section is dependent on the position of the ratchet as detailed below.

The bed is fitted with an adjustable leg section. When the leg section function on the handset is operated the height or angle of the leg section is adjusted, depending on whether or not the leg section ratchet is set.



Setting the bed so that the leg section height adjustment operates:

- Press the leg section button on the handset and raise to maximum height.
- Lift the leg section manually so that the ratchet engages (once engaged the leg section will be supported by the ratchet).
- The leg section will now move parallel to the bed frame as it is driven up / down.
- Bariatric bed only - Once the leg section has been fully lowered the leg section will default back to angle adjustment only.

Setting the bed so that the leg section angle adjustment operates:

- Press the leg section button on the handset and raise the leg section (height not important).
- Lift the foot section manually so that the ratchet disengages (if in doubt lift the leg section to the ratchet's maximum extent).
- Gently lower the leg section down.
- The leg section angle adjustment will now be set.



Warning

Before attempting to lift the leg section either:

- Ensure there is no load on the foot section, or
- Support the foot section with a second able bodied person.



Caution

The leg section is only to be used for the lifting of a patient's legs – Any other use may damage the bed frame.

10. ASSEMBLY ONTO THE TRANSPORT STAND



Warning

- Before attempting to assemble the bed onto the transport stand ensure these instructions have been read and fully understood.
- It is advisable to assemble the bed with a second able bodied person.
- Take care when assembling the bed onto the transport stand, the sections are of considerable weight.

Side rails

- Raise/lower the bed to approximately its middle height.
- Remove the retaining screw from one of the channels.
- Lower the side rails at this end with care until the finger assembly disengages from the channel.
- Carefully remove the lower side rail.
- Carefully remove the upper side rail.
- Relocate the finger assemblies into the channel (see section 8.5 for assembly order).
- Re-fit the retaining screw into the channel.
- Repeat for the other side of the bed.

Electrics

- Flatten and lower the bed to its minimum height.
- Unplug the mains cable from the mains socket.
- Using a screwdriver remove the retaining clip from the control box.
- Unplug the high / low and leg section actuator cables from the control box.

Bed Frame

- Release the brakes from the castors.
- Loosen the grub screws in the middle of the bed frame.
- Whilst supporting both halves of the bed frame, split the bed in half and gently lower onto the floor.
- Unfasten the grub and dome screws from one end of the bed.
- Whilst supporting the bed end pull the platform half away and gently position both sections on the floor/against a wall.
- Repeat for the remaining half of the bed.
- With cable ties (or similar), secure the moving parts of the backrest and leg section to the bed frame halves.

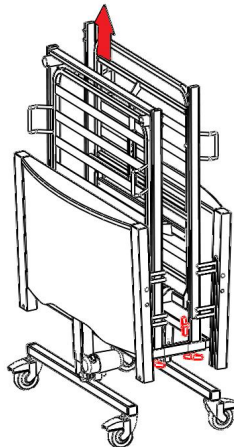
Assembling onto the Stand

- Position both transport stand brackets onto one bed end, taking care to ensure the brackets are both orientated in the correct direction.
- **Tighten both hand wheels on each side.**
- Insert opposite bed end onto both transport stand brackets.
- **Tighten both hand wheels on each side.**
- Lock the castors.
- Loosen the hand-wheel on the vertical tube on the transport stands.
- Carefully lift the backrest section and lower the spigots into the open tubes, ensuring the electrics are facing inwards.
- **Tighten the hand-wheel on the transport stands.**
- Carefully lift the leg section and lower the open end onto the vertical bars, ensuring the electrics are facing.
- **Tighten the grub screws on the leg section frame.**
- Ensure all cabling is neatly wrapped around the relevant bed sections and is not dragging on the floor or is under excess tension and the instructions for use and the actuator cable retaining clip are safely stored.



Warning

The bed must never be moved on the transport stand with the hand wheels or grub screws being loose/missing



11. POWER FAILURES

The bed does not have battery backup functionality. In the event of a power failure the bed will not function, resulting in the backrest and/or leg section remaining up, if previously raised.

11.1 Lowering Profiling Sections

The backrest and leg section are operated via two individual actuators that are located underneath the mattress platform.

- If either the backrest or leg section is raised, locate the actuator supporting the relevant section.
- Hold/support the section.
- Remove the pins that hold the actuator in place.
- Gently lower the section(s) to the flattened position.



Warning

- It is recommended that 2 carers support the section prior to removing the pin.
- When the pins are removed there is nothing supporting the section, the carer(s) holding the frame must be ready to support the weight on removal of the pin.

12. DECONTAMINATION

12.1 Cleaning and Disinfection Guidelines

Infection control and routine cleaning must be carried out in accordance with your local Infection control policy or regulatory body.



Warning

- Always disconnect the bed from the main power supply prior to cleaning.
- Ensure all ports on the electrical system (control box and actuators) have cable plugs inserted to maintain the IP rating.
- Regular cleaning and disinfection of the bed frame and relevant accessories will help to prevent the risk of infection to the occupant and / or carer.
- Prior to transferring the bed frame / accessory to another user ensure it has been cleaned and disinfected using the method as detailed below to help prevent the risk of cross infection.

It is advisable to remove any accessories that are fastened to the bed.

These instructions apply to all accessories.

General Cleaning:

- The bed should be cleaned by starting with the cleanest parts of the bed and systematically moving to the dirtiest parts. Extra care should be taken around areas where excess dirt or dust may gather.
- The cloth should be changed during the cleaning process if it becomes soiled.
- Wipe down with a clean cloth moistened with a mild detergent and diluted in warm water (40°C).
- Rinse with cold clean water and a clean cloth and allow to fully dry before use.

Decontamination:

- Mop up any fluid with paper towels.
- Wipe bed down using cold clean water.
- Wipe down with a 0.1 % Chlorine solution (1,000ppm) in cold water.
- Rinse with cold clean water and a clean cloth and allow to fully dry before use. Always ensure the cleaned parts are allowed to dry before putting the mattress back in place.

In cases of blood spills or other bodily fluids it is recommended that a 1% Chlorine solution (10,000ppm) is used instead. Ensure fabric surfaces are rinsed with clean water after application.

Note: If any of the stages stated above are omitted or combined it will reduce the effectiveness of the clean.

Note: The use of neat bleach or similar surface cleaners is not recommended as damage may be caused to the cleaned surfaces.

Alternatively:

Sidhil recommend the use of Tristel 'Fuse' sachets and 'Jet' gel for cleaning of the metal components. Follow the product documentation for concentration guidelines and instructions for use. Note: Sidhil do not recommend the cleaning of the wooden components with Tristel products due to the risk of the solution leaching into the wood.

Sidhil also recommend the use of Chlor-clean tablets. Follow the product documentation for concentration guidelines and instructions for use.

Refer to the Sidhil infection control policy, copies are available from Drive DeVilbiss Sidhil Ltd. Contact details can be found in section 2.

12.2 Steam Cleaning

The Bradshaw bed can be dry steam cleaned. The individual manufacturer's instructions should be followed when using a steam cleaner and the following precautions observed:

- Avoid directing steam directly at electrical components and reduce steam pressure when cleaning near electrical items and connections.
- Use soft brushes and wiper cloths as recommended by the steam cleaner manufacturer.
- Do not use high pressure hoses on the bed as they could cause damage to the electrical components.
- Do not use excessive force or steam pressure on labels.
- Ensure the bed is dry and all debris from the cleaning process has been removed prior to reuse.
- Ensure all electrical functions operate as normal once the bed has been cleaned and dried.

13. MAINTENANCE

13.1 General Inspection

Sidhil recommends that the carer performs frequent visual and operational inspections. If there are any signs of damage or the bed is not performing as it should withdraw it from service until the bed has been repaired and is fit for use again.

Periodically check to ensure that:

- The bed operates as per its intended purpose.
- All parts are present.
- All fixtures and fittings are tight.
- The frame is mechanically sound, with no cracking round welds.
- No parts show signs of excessive wear.
- The electrical components display no sign of damage – If so turn off at mains and remove bed from use immediately.
- The bed is cleaned following the guidelines in these instructions for use.

13.2 Fault Finding

Listed below are a set of electrical faults that may occur within the service life of the bed. If a fault does occur please try the following suggestions, as these may help in diagnosing the fault.

Fault	Possible Cause	Remedy
Electrical function(s) do not work	Functions locked out on handset	Unlock function(s)
	No mains supply to control box	Check to see if the 'power on' light on the control box is lit and the mains lead is plugged in
	Actuator / handset leads not plugged in	Check plug connections on the control box and actuators
	Damage to electrical component	Turn off at the mains and contact an approved service engineer
	Heavy load on the bed and the duty cycle has been exceeded / System has overheated	If the control box has exceeded its duty cycle permanent damage may have occurred. Remove load and allow power supply to cool for 20-30 minutes before attempting to re-operate. If electrical functions still do not work a replacement power supply and/or control box will be required
Electrical function working slowly	Heavy load on the bed	Remove load
Incorrect functions work when handset operated	Cables plugged into incorrect ports on control box	Review cables and graphic on control box to assess if connections are correct

13.3 General Maintenance

Only authorised service personnel or Sidhil service engineers should carry out repairs or service activities. Failure to do so may result in the manufacturer's warranty becoming void. **The bed must be serviced once yearly, as a minimum.**



- Always disconnect the bed from the main power supply prior to performing any maintenance procedures (where viable).
- Modification of the bed frame is not allowed without the permission of Drive DeVilbiss Sidhil Ltd - A hazard could be introduced.
- The bed should be vacated by the patient before any maintenance or inspection takes place. If this is not possible due to the patient's mobility, care should be taken for the service engineer not to make contact with the patient when working on electrical items.
- Only Sidhil approved components, specified for the Bradshaw bed, should be used - if in doubt contact Drive DeVilbiss Sidhil Ltd or your local distributor.
- Never attempt to re-wire any components

- Check that all electrical functions operate correctly on the handset.
- Check that all electrical components and cables are in good condition - If not turn off at the mains and remove bed from use until replacement parts are available.
- Check the retaining clip is fastened to the control box, securing the electrical cables in place.
- Check that all nuts, bolts and fasteners are tight and that none are missing or incomplete.
- Check that all grub screws and hand-wheels are present.
- Check that the leg rest functions work correctly.
- Check the castors lock/unlock correctly and that when locked the castor does not swivel or roll.
- Check that the frame is mechanically sound: no cracking at welds, bending of tubes etc.
- Raise and lower the safety sides. Check that they move smoothly.
- Check that the lock on the safety sides automatically engages when raised.
- If any gaps appear to be outside of specification remove the bed from use until the dimension of the gap in question has been confirmed.

If in doubt about correct replacement of a component contact Drive DeVilbiss Sidhil Ltd or your local distributor. Refer to the parts list for part codes and assembly detail. Copies are available from Drive DeVilbiss Sidhil Ltd. Contact details can be found in section 2 of the booklet.

14. DISPOSAL OF PARTS

When the bed frame / electrical system has come to the end of its useful life contact your provider or Drive DeVilbiss Sidhil Ltd. (see section 2) to arrange for collection, alternatively follow local recycling and W.E.E.E. (Waste Electrical and Electronic Equipment) policies.

The electrical system on the bed frame is not to be disposed of in general municipal waste. Some of the electrical components could be harmful to the environment and where viable the components can be recovered and reused / recycled.

The steel and plastic components are also to be separated and disposed of following the local recycling policy as these can also be recovered and recycled.



Warning

The bed is to be decontaminated before disposal to avoid risk of cross contamination.

15. ELECTROMAGNETIC COMPATIBILITY (EMC)

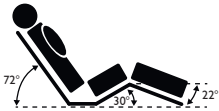
The Bradshaw electrical system has been designed to meet the necessary EMC requirements however it may still be affected by or emit harmful radio frequency (RF) energy. The RF emissions from the electrical system are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is still possible. Likewise if the immunity limits of the electrical system are exceeded the system may be seen to operate abnormally.

Interference can be received from fixed transmitters (e.g. commercial radio and television towers) and portable / mobile RF communications equipment (e.g. mobile phones). Due to the increasing number of mobile phones and other wireless devices the possibilities of interference to the electrical system and other surrounding equipment results in the need for special precautions to be taken regarding EMC. The bed is to be installed and put into service according to the information provided within this section to ensure continued and reliable operation.

Wireless communications equipment such as wireless network devices, mobile phones, cordless telephones including their base stations and walkie-talkies could all affect the electrical operation of the electrical system - separation distances must be considered.

If the bed or any alternative equipment is found to be operating abnormally turn off the piece of equipment that is believed to be causing the interference (if possible) to identify the source of the RF energy. Once identified mitigation measures are to be taken, such as the separation distances being increased and/or the device(s) being re-orientated. As an example a mobile phone typically has a recommended separation distance of at least 3.3m from the control unit.

16. SPECIFICATION

16.1 Bed Data		Bradshaw Standard	Bradshaw Low	Bradshaw Wide	Bradshaw Bariatric
Side rail variant		Standard side rail	Standard side rail	Bariatric side rail	Bariatric side rail
Overall length		2245mm	2245mm	2245mm	2245mm
Overall width		1050mm	1050mm	1350mm	1350mm
Mattress platform height		390mm-808mm	190mm-615mm	245-615mm	245mm-615mm
Overall Height (Bed end)		955mm-1350mm	745mm-1165mm	-	-
Underbed clearance (to underside of frame)		345mm	150mm	194mm	194mm
Underbed clearance (to underside of actuator)		205mm	10mm	80mm	80mm
Mattress platform length		2015mm	2015mm	2020mm	2020mm
Mattress platform width		900mm	900mm	1200mm	1200mm
Head down tilt *		0-11°C	0-11°C	0-11°C	0-11°C
Foot down tilt		0-11°C	0-11°C	0-11°C	0-11°C
Mattress platform angles (max):					
Safe working load		215kg (34 stone)	215kg (34 stone)	215kg (34 stone)	368kg (58 stone)
Maximum patient weight		178kg (28 stone)	178kg (28 stone)	178kg (28 stone)	318kg (50 stone)
Product weight - No side rails (on transport stand)		84.5kg	85.5kg	110kg	110kg
Product weight (including 2 bar side rails)		96.9kg	97.9kg	126.4kg	126.4kg
Product weight (including 3 bar side rails)		97.1kg	98.1kg	-	-
Part weights	Leg section	18kg	18kg	31kgs	31kgs
	Backrest	19.5kg	19.5kg	36.5kg	36.5kg
	Bed ends (each)	23kg	23.5kg	47.5kg	47.5kg
Application environment		3			
Shock and vibration		To be used on a flat level floor (e.g. vinyl/carpet/laminate based)			
UV		Intended for indoor use only			



Warning

* If patient requirements are such that Trendelenburg functionality is deemed to pose a potential risk a replacement handset can be purchased with the Trendelenburg function removed (handset code CONTROL/121).

16.2 Electrical Data

	Bradshaw and Bradshaw Low	Bradshaw Wide and Bradshaw Bariatric
Power supply plug		
Voltage in: Current in: Standby power: Electric shock protection:	100 - 240V, 50/60Hz 2A max ≤ 0.5W Class II	N/A
Control unit		
Voltage in: Current in: Electric shock protection:	24-29V DC 8A max Class III	100 - 240V, 50/60Hz 3.15A max Class II

Duty cycle:*

10%

2 mins of continuous use followed by **18 mins** not in use.

*Electrically operated beds are intended to be operated intermittently rather than continuously. If the bed is operated continuously for up to 2 minutes it must then be left for at least 18 minutes before reuse to allow the electrical system to cool sufficiently. If the bed is continuously used for an extended period of time and it exceeds the duty cycle the control box may become temporarily disabled or irreparably damaged.

Safety standards:

IEC 60601-1: 2005
IEC 60601-2-52:2009
IEC 60601-1-11:2010

Applied part electrical shock protection:

Type BF

Applied parts:

Mattress platform
Profiling sections
Bed ends

Liquid ingress protection:

IPX4 - Splash resistant

Noise level:

67dB(A)

Service life:

5 years

Environmental conditions:

	Operational Limits*	Transportation/storage limits
Ambient temperature:	+10°C to +40°C	-20°C to +50°C
Humidity:	30% - 75%	30% - 75%
Atmospheric pressure:	800 to 1060hPa	800 to 1060hPa
Altitude:	≤ 2000m	≤ 2000m

* Always ensure the bed is brought up/down to room temperature before plugging in and operating.

17. ACCESSORIES

A full range of accessories, including various approved mattresses are available from Drive DeVilbiss Sidhil Ltd.

Bradshaw Standard and Bradshaw Low

- | | |
|--|---------------------|
| • Lifting pole with plastic grab handle | I275/LP |
| • Grab handle | I214/GRAB |
| • Bed extension kit (includes longer side rails) | I275/EX/COLOUR |
| • Side rail height extension | I275/5/COLOUR |
| • Side rail pad | I316/PS/74/CREAM |
| • High side rail pad | I316/PS/75/HI/CREAM |
| • Side rail mesh pads | I275/PS |
| • Mesh cradle | I275/EPS |
| • End pads (pair) | I275/HF/PAD |
| • Crash Mat (Supreme) | MAT/FALL/SUPREME |
| • Crash Mat (Premium) | MAT/FALL |
| • Crash Mat (Essentials) | MAT/FALL/BAS |
| • 9 button handset (no Trendelenburg) | CONTROL/I21 |

Bradshaw Wide and Bradshaw Bariatric

- | | |
|--|---------------------|
| • Grab handle | I215/GRAB |
| • Bed extension kit (includes longer side rails) | I275/BAR/EX/COLOUR |
| • Side rail height extension | I275/5/BAR/COLOUR |
| • Side rail pad | I316/PS/74/CREAM |
| • High side rail pad | I316/PS/75/HI/CREAM |

COLOUR = Light Oak, Cherry, Maple, Walnut or Beech

Characteristics of the accessories can be found in the relevant accessory's instructions for use.

The beds have been tested and approved with the following mattresses:

Bradshaw Standard and Bradshaw Low

		Length	Width	Thickness	Density
Foam Mattresses and Extensions					
Acclaim VE	MAT/ACCL/VE/W	1990mm	880mm	152mm	50-56kg/m ³
Acclaim Profiler	MAT/ACCL/PRO/W	1990mm	880mm	152mm	38-40kg/m ³
Softrest VE	MAT/SOFT/VE	1990mm	880mm	152mm	53-58kg/m ³
Softrest Contour	MAT/SOFT/CON	1990mm	880mm	152mm	35-37kg/m ³
Softrest Thin	MAT/SOFT/THIN	1990mm	880mm	64mm	38-40kg/m ³
Essential Foam	MAT/BASIC	1990mm	880mm	125mm	30-33kg/m ³
Acclaim VE Extension	MAT/ACCL/VE/EX	180mm	880mm	152mm	53-57kg/m ³
Softrest Extension	MAT/SOFT/EX	180mm	880mm	152mm	35-37kg/m ³
Softrest Extension with securing straps	MAT/SOFT/EX/STRAPS	180mm	880mm	152mm	35-37kg/m ³
Dynamic Mattresses					
Plus II	DYN/DIG/PLUS/2	2000mm	880mm	220mm	-
SoloXtra	DYN/DIG/SOLO/XTR	2000mm	880mm	160mm	-
Solo II	DYN/DIG/SOLO/2	2000mm	880mm	120mm	-
Acclaim Flow	MAT/ACCL/FLOW	1990mm	880mm	152mm	-
Apollo	DYN/DIG/APOLLO	2000mm	880mm	200mm	-
Athena	DYN/DIG/ATHENA	2000mm	900mm	250mm	-

Bariatric Wide and Bradshaw Bariatric

Foam Mattresses and Extensions					
Acclaim Bariatric VE	MAT/ACCL/VE/BAR/W	2030mm	1130mm	165mm	53-57kg/m ³
Acclaim Bariatric VE Extension	MAT/ACCL/VE/BAR/EX	230mm	1130mm	165mm	53-57kg/m ³
Dynamic Mattresses					
Bariatric II	DYN/DIG/BAR/2	2000mm	1150mm	270mm	-

Other Sidhil mattresses available upon request – Contact your provider or Drive DeVilbiss Sidhil Ltd. to check for compatibility and suitability purposes.



Caution

- It is essential that dynamic mattress straps are only attached to the moving parts of the profiling mattress platform. If the straps are incorrectly fitted around the main section of the mattress platform, serious damage could occur to various components of the bed. If in doubt contact your provider or Drive DeVilbiss Sidhil Ltd.



- Ensure the dynamic control box is not positioned on the bed's side rail, risk of control unit falling off when side rails are lowered.

17.1 Mattress / Side Rail Compatibility Chart

		Bradshaw std & Low with std side rail	Bradshaw std & low with side rail height extension	Bradshaw Bariatric with Bariatric bed side rail / Bradshaw Wide with Wide bed side rail	Bradshaw Bariatric with Bariatric bed side rail height extension / Bradshaw Wide with Wide bed side rail height extension
Acclaim VE	MAT/ACCL/VE/W	✓	✓	-	-
Acclaim Profiler	MAT/ACCL/PRO/W	✓	✓	-	-
Softrest VE	MAT/SOFT/VE	✓	✓	-	-
Softrest Contour	MAT/SOFT/CON	✓	✓	-	-
Essential Foam	MAT/BASIC	✓	✓	-	-
Acclaim Bariatric VE	MAT/ACCL/VE/BAR/W	-	-	✓	✓
Plus II	DYN/DIG/PLUS/2	-	✓	-	-
SoloXtra	DYN/DIG/SOLO/XTR	-	✓	-	-
Solo II	DYN/DIG/SOLO/2	-	✓	-	-
Softrest Thin	MAT/SOFT/THIN	-	✓	-	-
Acclaim Flow	MAT/ACCL/FLOW	✓	✓	-	-
Apollo	DYN/DIG/APOLLO	-	✓	-	-
Athena	DYN/DIG/ATHENA	-	✓	-	-
Bariatric II	DYN/DIG/BAR/2	-	-	✓	✓
Grab handle	I214/GRAB	✓	✓	-	-
Grab handle	I215/GRAB	-	-	✓	✓
Bed extension kit	I275/EX/COLOUR	✓	✓	-	-
Bed extension kit	I275/BAR/EX/COLOUR	-	-	✓	✓
Side rail pad	I316/PS/74/CREAM	✓	-	✓	-
Acclaim VE Extension	MAT/ACCL/VE/EX	✓	✓	-	-
Softrest Extension	MAT/SOFT/EX/STRAPS	✓	✓	-	-
Softrest Extension with securing straps	MAT/SOFT/EX/STRAPS	✓	✓	-	-
Acclaim Bariatric VE Extension	MAT/ACCL/VE/BAR/EX	-	-	✓	✓
High side rail pad	I316/PS/75/HI/CREAM	-	✓	-	✓
Side rail mesh pads	I275/PS	✓	-	-	-
Mesh cradle	I275/EPS	✓	-	-	-
End pads	I275/HF/PAD	✓	✓	-	-



Warning

- Drive DeVilbiss Sidhil Ltd deems the Essential foam mattress to be suitable for use with the Bradshaw side rail, however a patient risk assessment must be performed to ensure the gap between the top of the mattress and top of the side rail when fully lowered is acceptable and will not introduce a hazard to the patient when entering/exiting the bed.
- If the dynamic mattresses listed are used without side rail height extensions a patient risk assessment must be performed to ensure the gap between the top of the mattress and top of the side rail when raised is acceptable and will not introduce a hazard to the patient.
- If the dynamic mattresses listed are set to a low pressure the gap introduced by cell compression at the mattress edge and the side rail is to be considered. A patient risk assessment must be performed to ensure an asphyxiation risk is not introduced.
- If positioned incorrectly a closing gap could be introduced between the backrest mattress retainers and the grab handle.
- Ensure the extension blocks listed are positioned centrally to the platform. If offset to one side a gap will be introduced between the extension block and the side rail. A patient risk assessment must be performed to ensure an asphyxiation risk is not introduced.
- Drive DeVilbiss Sidhil Ltd recommend that the length extension is only used for those individuals who require it due to their physical height requirements, it is not to be fitted as the default for all occupants. A patient risk assessment must be performed to assess the need for the extension.

Sidhil cannot be held responsible for any injury or incident which relates to the use of any product combinations not approved by Drive DeVilbiss Sidhil Ltd.

It is the carer's responsibility for selecting and fitting the products correctly and ensuring that the product combination is compatible.

18. WARRANTY

Drive DeVilbiss Sidhil Ltd warrants that this product will perform in accordance with its specification and will remain free from defects in material and workmanship when used under normal conditions for a period of 3 years (which specifically is - 1 year full parts and labour, 2 further years parts only) from the date of purchase from Drive DeVilbiss Sidhil Ltd, its subsidiary companies, authorised dealers or international distributors.

DRIVE DEVILBISS SIDHIL LTD MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. IN NO EVENT WILL DRIVE DEVILBISS SIDHIL LTD. BE LIABLE FOR PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, OR FOR AN AMOUNT IN EXCESS OF THE PURCHASE PRICE OF THE DEFECTIVE DRIVE DEVILBISS SIDHIL LTD. PRODUCT OR PRODUCTS.

Proof of purchase must be presented with any claim. Except as provided herein, this warranty will not apply to any Drive DeVilbiss Sidhil Ltd. products that have been (a) damaged by lightning, water, or power surges, (b) neglected, altered, abused, or used for a purpose other than the purpose for which they were designed, (c) repaired by you or any other party without Drive DeVilbiss Sidhil Ltd. prior written authorisation, (d) used in conjunction with a third party product or products not approved in advance by Drive DeVilbiss Sidhil Ltd, (e) damaged or failed by or attributes to acts of God, (f) damaged, caused by failure to follow instructions, or (g) otherwise used in a manner inconsistent with any instructions provided by Drive DeVilbiss Sidhil Ltd. The warranty explicitly exempts consumable items.

This warranty contains the entire agreement between you and Drive DeVilbiss Sidhil Ltd. with respect to any warranty matters, and supersedes any and all other written or oral statements, representations or agreements relating to the subject matter of this warranty.

In the event of a product defect during the warranty period you should contact your supplier, whether it be Drive DeVilbiss Sidhil Ltd, its subsidiary companies, authorised dealers or international distributors who will at their option unless otherwise provided by law; a) correct the defect by product repair within the terms of the warranty b) replace the product with one of the same or similar design or c) refund the purchase price. All replaced parts and products on which a refund is made become the property of Drive DeVilbiss Sidhil Ltd. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This limited 3 year warranty gives you specific legal rights and you may also have other rights.

Drive DeVilbiss Sidhil Ltd cannot be held responsible for any injury or incident which relates to the use of this bed in conjunction with accessories manufactured by companies other than Drive DeVilbiss Sidhil Ltd.

All products carry the CE mark in accordance with EC Directive on Medical Devices (93/42/EEC).

Sidhil has a policy of continual product improvement and reserves the right to amend specifications covered in this document.

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This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



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