

drive

 DeVilbiss[®]
HEALTHCARE

Inspiration Cot

Electrically Operated Variable Height

Children's Cot

Instructions for use

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I. INTRODUCTION

Thank you for purchasing a Drive DeVilbiss Inspiration Cot. For safety reasons it is imperative that the instructions are read and fully understood prior to use, as they contain information regarding the safe operation and maintenance of the product.

If you have any questions concerning the operation and maintenance of the cot please contact your supplier who will provide you with expert professional advice.

In line with our policy of continuous improvement we welcome any suggestions that could lead to product improvement.

2. CONTACT INFORMATION

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

Drive DeVilbiss Healthcare Ltd.

Heathfield Lane

Birkenshaw

West Yorkshire

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United Kingdom

Please quote the product serial number on all correspondence.

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For Service & Support outside the United Kingdom & 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. USER WARNINGS

Warnings in these instructions for use identify possible hazards and/or conditions which should be followed at all times. Failure to do so could result in serious injury or even death.



Warning

- Children must not be allowed to use the controls.
- Children must not play with any moving parts of the cot and should be kept away from the side rails when raising/lowering them at all times.
- Electrically operated cots should not be used in operating theatres.
- Accessories that have not been approved for use with the cot should not be used.
- Misused electrical equipment can be hazardous.
- Children must not be allowed to play under the cot.

4. PRODUCT DESCRIPTION

Your Inspiration Cot is suitable for children of high dependency and those who are a moving and handling risk. To aid the carer the cot is adjustable with a simple touch button handset.

The safe working load of the cot is 160kg (25 stone)

The safe working load when the mattress platform is in tilt is 50kg (8 stone)

The maximum patient weight of the cot is 140kg (22 stone)

The maximum patient weight when in tilt is 45kg (7 stone)

Safe Working Load is the sum of:

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

Features:

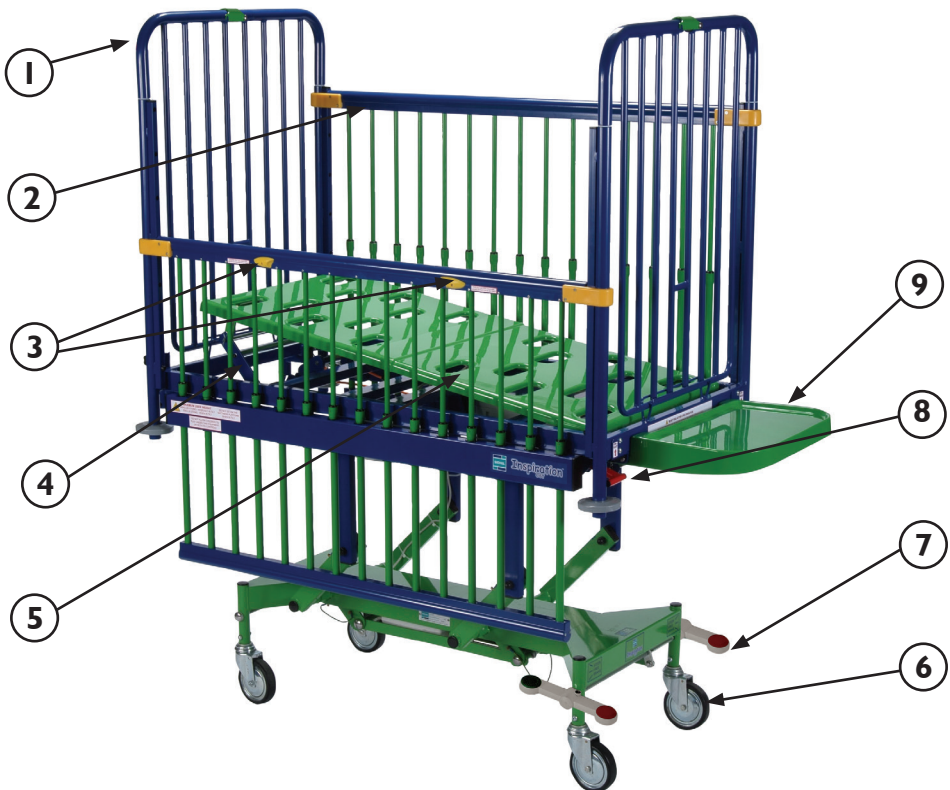
- Electrically operated two way tilting mattress platform
- Electrically operated height adjustment
- Battery backup system
- Manual CPR function (optional extra)
- Anti trap mechanism on the mattress platform
- Drop down telescopic side rails
- Antistatic castors with steering and braking function
- Removable head and foot ends
- Foldaway storage shelf

5. PARTS IDENTIFICATION

1. Removable head/foot end
2. Side rail
3. Side rail release buttons / levers
4. CPR mechanism (optional extra)
5. Mattress platform
6. Antistatic castor
7. Brake pedal
8. CPR activation handle (optional extra)
9. Fold down shelf
10. Height adjustment actuator – under base chassis (not shown)
11. Tilt actuators – under mattress platform (not shown)
12. Control box - under mattress platform (not shown)

Head End

Foot End



6. INSTALLATION AND PREPARING FOR USE

Your Inspiration Cot comes fully assembled and ready for use. Simply remove any packaging and connect the mains cable to an appropriate mains socket outlet.



Warning

- Ensure that the mains cable is not in tension when connected to the power supply.
- Ensure that all cables and handsets are clear of any moving parts on the cot to prevent them from becoming tangled or damaged.

Note: The cot must only be used with a mains supply of 230V \pm 10%, ~50/60Hz. If this product is to be used outside the UK seek professional advice as to the compatibility of this product with the mains power supply type.

7. OPERATING THE INSPIRATION COT

General Safety



Warning

- When the cot is operated, ensure that ancillary equipment and general furniture is not in the way.
- Check that all electrical cables are not in tension and are positioned so as to avoid both patient and carer accidents e.g. trip hazards.
- Ensure that the mattress used is of correct size and type.
- Ensure that the patient is positioned appropriately within the cot and ensure that they are aware in advance of each action taking place.
- The cot's braking system should always be engaged when the cot is stationary.
- Ensure these instructions for use are kept in a safe place at all times. Additional copies are available from Drive DeVilbiss Healthcare and via the website at www.sidhil.com.

8. ELECTRICS

i) Handset

The handset is designed to be used by the carer only. The mattress platform can be tilted from either the head or foot end and the cot height is adjustable. To adjust the position of the cot, depress the relevant button until the desired point has been reached and then release the button.

Head End Tilt - To raise the head end depress



To lower the head end depress



Foot End Tilt - To raise the foot end depress



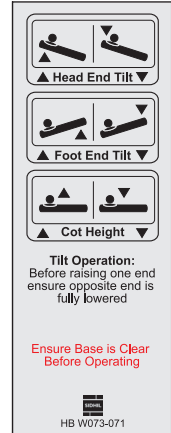
To lower the foot end depress



Cot Height - To raise the cot depress



To lower the cot depress



Note: When putting the mattress platform into tilt it is only possible to have one end in tilt at any one time. Before raising one end ensure that the opposite end is fully lowered.

ii) Battery Backup

A battery backup feature will automatically be engaged when the cot is disconnected from the mains supply. This allows emergency or temporary operation of the cot for a limited period but will vary depending on the features used and battery level. If operated using the battery backup an alarm will sound when the battery level becomes low.

The cot should remain connected to the mains supply at all times for normal use, to ensure that the batteries remain fully charged. This will also prolong the life of the batteries.

iii) Resetting / Initialising the Electrical System

- Press and hold both hi/low buttons on the handset together.
- An audible alarm will be heard for approximately 5 seconds.
- When the alarm stops sounding release the buttons and drive the cot up to its maximum height.
- When at maximum height re-press the up button again.

9. EMERGENCY MECHANICAL CPR FUNCTION (OPTIONAL ACCESSORY)

The mattress platform can be levelled by pulling a handle found at the foot end of the cot. There is one lever to activate the foot end and another for the head end, found to either side of the shelf.

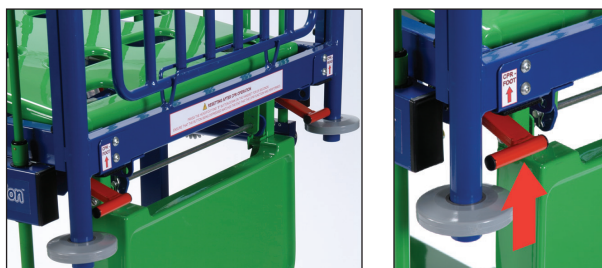
Note: The foot end is signified by the end with the shelf and the head end by the drip pole sockets.

i) CPR Operation



To operate the mechanical CPR, pull the lever that is applicable to the raised end of the mattress platform. If the foot end is raised the CPR handle that states 'CPR – foot' must be pulled and vice versa for the handle that states 'CPR – head'.

If there is any doubt as to which handle should be pulled it is advised that both handles be pulled at the same time.

Note: The CPR function only flattens the mattress platform.



ii) Resetting the CPR

Once the CPR has been activated the system must be reset. If it is not reset the mattress platform will fail to operate correctly. Depending on which end has been activated the head/foot end tilt down button must be pressed for 25 seconds to reset the system. If the foot end CPR lever has been pulled, the foot end down button  must be held down for 25 seconds and if the head end lever is activated the head end down button  should be pressed. When the system has reset, the handle will drop back to its original position and the mattress platform is ready for use again.



Warning

- When operating the manual CPR function ensure that all limbs/hands and equipment are clear in order to prevent trapping or injury.
- Ensure the correct handle is pulled, if unsure pull both.
- Following CPR activation, if the system is not reset the mattress platform will not operate correctly.

10. BRAKING AND STEERING

There are two linked brake pedals at the foot end of the cot which control all the castors simultaneously.

- When the pedal is in the 'steer' position it locks one castor on the cot so that it cannot swivel. This allows the cot to be steered when being pushed from the head end of the cot.



- When the pedal is in the 'free' position no castors are locked allowing all to swivel freely.



- When the pedal is in the 'brake' position three castors are locked and the cot then cannot move.

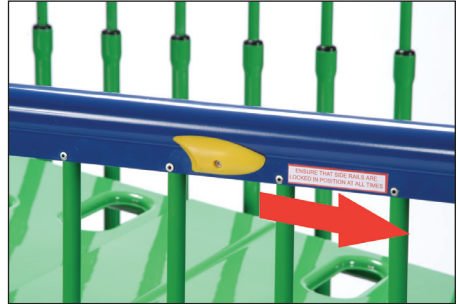


11. SIDE RAILS

Your cot comes complete with two integral telescopic side rails which can be locked in position at six different heights. When the side rail is fully down it provides the carer with complete access to the mattress platform regardless of the cot height.

i) Adjusting the Side Rail Height

Release the side rail by gently sliding the two yellow button levers outwards, this disengages the locking mechanism. While holding the buttons out gently lower/raise the side rail into the desired position and release the buttons. **Ensure that the side rail has locked in position at both ends.**



Warning

- When operating the side rails ensure that they are free from obstruction to prevent injury/entrapment.
- Ensure that the side rails are locked in position at all times.
- Ensure that the occupant is away from the sides of the cot and cannot fall when adjusting the mattress platform position, if the side rails are in the lowered position.

12. SHELF

To raise the shelf, squeeze both spring loaded release handles, these are situated to the shelf underside on the left and right hand sides. Lift the shelf until it is level, once in position release the handles and ensure that the shelf has locked in position.

To fold the shelf down, squeeze both release handles and gently lower it down.

The shelf has a safe working load (SWL) of 30kg.



Warning

Do not exceed the safe working load of the shelf - Risk of damage to framework and/or unbalancing the cot.



13. HEAD AND FOOT ENDS

Your cot comes with removable head and foot ends, allowing for four sided carer access to the mattress platform. To remove the ends simply lift the frame out of the location tubes.



13.1 Hinged Access Point



The 9003 cot incorporates hinged access points, as shown above. If the product is used in a general ward environment and a patient is likely to be unsupervised at any time Drive DeVilbiss Healthcare recommends that a risk assessment is carried out to determine, amongst other potential risks, whether the patient could reach the hinged access points.

To position the tubes through the gap in the head/foot end, lift the green latch, position the tubes through the gap and then re-close the latch.



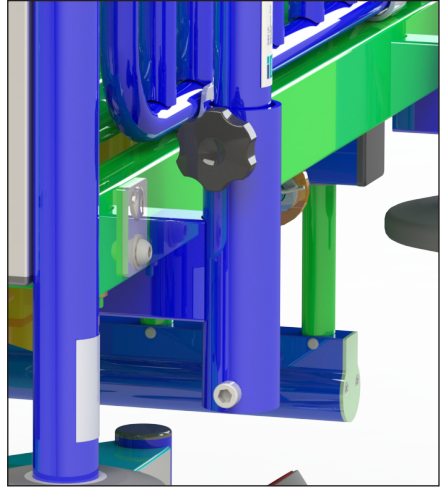
Warning

If the patient is able to reach, or handle the hinged part on the cot ends it is not advisable to leave them unattended. Although the potential of the patient or garments becoming entrapped is low, a hazard is introduced if this scenario should occur; therefore an assessment should be carried out on a patient by patient basis.

Cot ends which do not feature a hinged access point are available to purchase through Drive DeVilbiss Healthcare.

14. TRANSFUSION POLE (OPTIONAL EXTRA)

The safe working load of the transfusion pole is 10kg, however no more than 3kg should be hung from each hook. The pole should be inserted into one of the sockets found to the head end of the mattress platform and the handwheel tightened.



15. DO'S AND DON'TS

Do ensure you read these instructions and fully understand them before using the cot.

Do ensure the cot is cleaned on a regular basis.

Do ensure the cot is inspected on a regular basis (minimum once yearly service).

Do ensure that all the control plugs are pushed home firmly.

Do ensure the mains lead is plugged into the mains supply and not in tension.

Do Not exceed the safe working load of 160kg (25 stone) when the mattress platform is flat and 50kg (8 stone) when in tilt.

Do Not store any items under the cot.

Do Not allow children to play with or under the cot.

Do Not use the cot if the actuators make any unusual noises, smells or become excessively hot.

Do Not allow any part of the cot or mattress to come into contact with any naked flame or excessive heat sources.

16. CLEANING PROCEDURE

16.1 Cleaning & Disinfection Guidelines



- Always disconnect the cot from the main power supply prior to cleaning.

Warning

To aid cleaning, the mattress platform panels can be removed. It is also advisable to remove any accessories that are fastened to the cot.

These instructions apply to all accessories apart from soft products (e.g. mattresses).

- All surfaces to be wiped down with a disposable soft cloth moistened with a mild detergent and diluted in warm water (40°C).
- The cot should be cleaned by starting with the cleanest parts of the cot and systematically moving to the dirtiest parts. Extra care should be taken around areas where excess dirt or dust may gather.
- The cleaning cloth should be changed during the cleaning process if it becomes soiled.
- Rinse down with clean water to remove detergent residue.
- Wipe surfaces down with 1,000 parts per million chlorine solution (0.1%).
- Dry off with a paper towel.
- Always ensure the cleaned parts are allowed to dry before putting the mattress back in place.

Note: If any of the 3 stages stated above (detergent, rinse down & chlorine solution) are omitted or combined it will reduce the effectiveness of the clean.

In cases of blood spills or other bodily fluids it is recommended that a chlorine solution of 10,000 parts per million (1%) is used instead.

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

When removing the mattress panels for cleaning, take care when cleaning around fixing points and over areas which could pose a sharp edge.

Alternatively:

Drive DeVilbiss Healthcare recommend **Tristel** 'Fuse' sachets and **Tristel** 'Jet' gel. Follow the product documentation for concentration guidelines and instructions for use.

Tristel Codes:

FUS/SUR/FRA (Fragranced) 1 x 40 sachets

FUS/SUR/UNF (Unfragranced) 1 x 40 sachets

JET/HEAD 1 x JET Trigger Head

JET/PACK/FRAG 1 x refill pack fragranced

JET/PACK/UNF 1 x refill pack unfragranced

NHS Supply Chain Codes:

FAL649 (Fuse for Surfaces Fragranced)

FAL650 (Fuse for Surfaces Unfragranced)

FAL688 1 x JET Trigger Head

FAL696 1 x refill pack fragranced

FAL697 1 x refill pack unfragranced

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

Refer to the Drive DeVilbiss Healthcare infection control policy, copies are available from Drive DeVilbiss Healthcare. Contact details can be found on the back of this booklet.

16.2 Steam Cleaning

The cot 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 cot as they could cause damage to electrical components.
- Do not use excessive force or steam pressure on labels.
- Ensure the cot is dry and all debris from the cleaning process has been removed prior to re-use.
- Ensure all electrical functions operate as normal once the cot has been cleaned and dried.

17. MAINTENANCE PROCEDURE

Only authorised service personnel or Drive DeVilbiss Healthcare service engineers should carry out repairs or service activities. 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. **The cot must be serviced at least once yearly, as a minimum.** Drive DeVilbiss Healthcare also recommends the carer to perform frequent visual and operational inspections. If there are any signs of damage, or if the cot is not performing as it should withdraw it from service until repaired and determined 'fit for use'.

Periodically check to ensure that:

- The cot operates as per its intended purpose.
- All parts are present and free from damage.
- All fixtures and fittings are tight.
- Removable parts/components are fitted correctly e.g. platform panels
- The frame is mechanically sound, no signs of cracked paint.
- No parts show signs of excessive wear.
- The cot is cleaned following the guidelines in this instructions for use.

Disposal of components must comply with local policy.

FAULT DIAGNOSIS

In the event that the user experiences problems operating the cot the following checks should be carried out initially:

General

- Check that the cot is free of any obstructions.
- Check that the maximum load has not been exceeded.
- Check that the CPR has not been activated and the system not reset.
- Check that the cot has not reached its maximum or minimum height.
- Check that the cot is plugged into the mains supply and that the cable is free from damage.
- Check the mains cables fuse.

Partial Electrical Failure

- If the cot only has certain functions working or it operates very slowly the cot may be working off the battery backup facility. Check the 'power on' light on the bottom of the control box (located under the mattress platform) is lit. If 'off' the cot is running off the battery backup facility. Make sure the cot is plugged into the mains supply.

Disconnect the cot from the mains supply, then:

- Check that the handset is correctly plugged in and that none of the plug pins are bent or damaged – try another handset if available (ensure control box is unplugged when swapping handset).
- Check that the actuator controlling the required function is fully plugged in.
- Check that the mains lead is pushed fully into the control box and is not damaged.
- Check that the mains lead is connected to the mains supply.

If none of the above work, keep the cot unplugged from the mains supply and contact your authorised service personnel or Drive DeVilbiss Healthcare. Do not use the cot until the problem has been resolved.

Total Electric Failure

Check that the green LED located on the bottom of the control box is lit. If off, check that the cot is plugged into the mains supply and switched on. If on, disconnect the cot from the mains supply, then:

- Check that all leads and cables are plugged in positively and correctly and that the red circular clip is locked in position over the mains lead control box plug.
- Check/replace the fuse in the mains plug.
- If none of the above work, keep the cot unplugged from the mains supply and contact your authorised service personnel or Drive DeVilbiss Healthcare. Do not use the cot until the problem has been resolved.

Drive DeVilbiss Healthcare recommends that every six months the following maintenance procedures should be carried out to help prolong the life of the cot:



Warning

- Prior to any maintenance always disconnect the cot from the mains supply.
- Linak battery packs may emit an increased amount of flammable gas as they age - risk of explosion / fire. Drive DeVilbiss Healthcare advise that batteries are replaced every 4 years or sooner.

General

Ensure that all fixings including nuts and bolts are tight and that none are missing or incomplete. Check that all cabling is in good condition, and that wear or abrasion has not caused any excessive bending, kinking or damage. Check that the mains cable plug is not damaged.

Should damage or deterioration occur to the mains cable or plug, they must be replaced by authorised service personnel or Drive DeVilbiss Healthcare. Under no circumstances should the plug be replaced by unauthorised personnel.

Braking

Position the brake pedal in the 'brake' position (see section 8 for brake operation). Now try to move the cot with a normal level of force. Should any of the three braked castors rotate/move, the brake system is not working effectively.

Position the 'brake' pedal in the 'steer' position and check that the steering lock is operating efficiently.

If you experience difficulty or lack of effectiveness with either the braking or steering contact your authorised service personnel or contact Drive DeVilbiss Healthcare.

Batteries

When the cot is being used via the battery backup facility the control box will sound an audible alarm when a low charge situation is reached. A minimum of 24 hours charging time should be allowed to fully recharge the batteries.

Drive DeVilbiss Healthcare recommends checking the condition of the batteries every six months.

18. SPECIFICATION

Overall length	1450mm
Overall width	820mm
Height range (to top of mattress platform)	585mm to 920mm
Mattress platform tilt (forward and reverse)	0-12°
Safe working load - When not in tilt	160kg (25 stone)
- When in tilt	50kg (8 stone)
Maximum patient weight - When not in tilt	140kg (22 stone)
Maximum patient weight - When in tilt	45kg (7 stone)

18.1 Electrical Data

Voltage in:	230V ± 10%, ~50/60Hz.
Current in:	2A
Mains cable fuse:	3-10A
Mains plug:	Type G/BSI 363
*Duty cycle:	10%
	2 mins of continuous use followed by 18 mins not in use.

*Electrically operated cots are intended to be operated intermittently rather than continuously. If the cot is operated continuously for up to 2 minutes it must then be left for at least 18 minutes before re-use to allow the electrical system to cool sufficiently. If the cot 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.

Electrical safety standards: IEC 60601-1: 2005
EMC: IEC 60601-1-2:2007

The cot is compliant to the requirement of 60601-1-2: 2007, the RF emissions are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is possible.

Qualified users of the cot can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters). If the cot or any alternative equipment is found to be operating abnormally mitigation measures are to be taken, such as the separation distances being increased and/or the products being re-orientated.

Electrical shock protection: Class I 

Liquid ingress protection: IPX4

The cot is only suitable for use when:

Ambient temperature: +5°C to +40°C
Relative humidity: 20% - 90% at 30°C - not condensing
Atmospheric pressure: 70kPa to 106kPa (Rated to operate at $\leq 2000\text{m}$)
Pollution: Degree 2

19. WARRANTY

Drive DeVilbiss Healthcare guarantees this product is free from defects in material and workmanship under normal use for 3 years (1st year full parts and labour, 2nd and 3rd years parts only) from the date of purchase from Drive DeVilbiss Healthcare, its subsidiary companies, authorised dealers and International Distributors. Proof of purchase must be presented with any claim. Except as provided herein, Drive DeVilbiss Healthcare product warranty does not cover damage caused by misuse or abuse, accident, the attachment of any unauthorised accessory, alteration to the product, or any other conditions whatsoever that are beyond the control of Drive DeVilbiss Healthcare. Drive DeVilbiss Healthcare, its subsidiary companies, authorised dealers and International Distributors shall have no liability or responsibility to the customer or any other person or entity with respect to any liability, loss or damage caused directly or indirectly by use or performance of the product or arising out of any breach of this warranty, including but not limited to any damages resulting from inconvenience, loss of time, property, revenue, or profit or any indirect, special, incidental or consequential damages, even if Drive DeVilbiss Healthcare, its subsidiary companies, authorised dealers or International Distributors have been advised of the possibility of such damages.

In the event of a product defect during the warranty period you should contact your supplier, whether it be Drive DeVilbiss Healthcare, 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 without charge for parts and labour 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 refund is made become the property of Drive DeVilbiss Healthcare. New or reconditioned parts and products may be used in the performance of warranty service. 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 warranty does not cover; a) damage or failure by or attributes to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alterations, lightning or other incidence of excess voltage or current, b) any repairs other than those provided by a Drive DeVilbiss Healthcare authorised technician, c) consumables such as fuses, d) cosmetic damage, e) transportation, shipping or insurance costs or f) costs of product removal, installation setup service adjustment or re-installation.

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

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

Drive DeVilbiss Healthcare has a policy of continual product improvement and reserves the right to amend specifications covered in this brochure.

No part of this brochure may be reproduced without the written approval of Drive DeVilbiss Healthcare.

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HEALTHCARE

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A member of the Drive DeVilbiss Group of Companies



ORIGINAL INSTRUCTIONS
ASSYINSTRUC9003, 2019/09 - rev9