

drive

DeVilbiss[®]
HEALTHCARE



S Drive Powerstroll
(PWCPP009, PWCPP009HD)

Instructions for use

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1. INTRODUCTION

Thank you for purchasing this product. These instructions for use should be read carefully and understood before operating the Powerstroll. Improper use or unfamiliarity with the Powerstroll may result in harm, injury or traffic accidents. A maintenance schedule is also included at the back. Keep this manual with the Powerstroll, or in a safe place.

Contact Drive DeVilbiss Healthcare Ltd. or check our website for the latest version of this document. Users with visual, reading or cognitive disabilities should seek advice from a professional care provider for an appropriate format. If this is not viable, users should contact Drive DeVilbiss Healthcare Ltd. If you have any questions concerning the operation or maintenance of the Powerstroll, contact Drive DeVilbiss Healthcare Ltd.

2. CONTACT INFORMATION

For assistance in setting up, using, maintaining your Powerstroll, to report unexpected operation or for any service, warranty, sales or customer service information regarding this product, please contact Drive DeVilbiss Healthcare Ltd.



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Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the MHRA or competent authority of your Member State. Please quote the product serial code on all correspondence.

For Service & Support outside the United Kingdom, please contact the local distribution company from where this equipment was purchased. Failure to do so may result in the product warranty becoming void.

3. PRODUCT DESCRIPTION

3.1 Environment

The Powerstroll can be used in both indoor and outdoor environments where appropriate. The Powerstroll can be used on flat, even path surfaces, however the user should avoid grass, gravel and gradients greater than 8°, if possible. Additional care should be taken to avoid inclement weather and wet surfaces.

3.2 Intended User Group

The PWCPP009 has a maximum weight capacity of 135kg (21st), the PWCPP009HD has a maximum weight capacity of 180kg (28st) both include the weight of the wheelchair and user. The intended user group for this device is any mobility restricted individual that requires assistance with transport. The wheelchair attendant is the only intended operator. Users must be both mentally and physically capable of operating the device with minimal risk of injury to themselves and others.

3.3 Intended Use

The intended use of the Powerstroll is to transport an end user with restricted mobility, as defined in section 3.2.

The Powerstroll is designed as an aid to a wheelchair attendant providing power to aid pushing in otherwise strenuous situations such as up slopes, hills, etc.

3.4 Indications

To provide transport mobility to an end user with restricted mobility.

3.5 Product Overview

The Powerstroll has been designed to provide a comfortable and secure solution for users who have mobility restrictions. The product is a class I medical device (under EN 12184:2014), and fits to a wheelchair to convert it in to a class 2 invalid carriage under The Use of Invalid Carriages on Highways Regulations 1988. For specific guidance with outdoor use, see section 9.6.

This manual is composed from the product design and specifications at the time of publication. As designs change, some illustrations and pictures in the manual may not correspond to the Powerstroll that you purchased. We reserve the right to make design modifications.

4. SAFETY

4.1 Warnings & Cautions



Warning

Warnings in this user manual highlight potential hazards that if disregarded could lead to injury or death.



Caution

Cautions in this user manual highlight potential hazards that if disregarded could lead to equipment damage or failure.

4.2 Risk Assessment

Before using the Powerstroll, a risk assessment must be performed by a competent individual to ensure the safe use of the Powerstroll on a user-by-user basis. It is the responsibility of users and carers to determine that they are both mentally and physically capable of operating the Powerstroll with minimal risk of injury to themselves or others.

The risk assessment should include, but not be limited to:

- Entrapment
- Falling out of the wheelchair
- Small adults (and children)
- Individuals who lack capacity to operate the Powerstroll
- Users with visual, reading or cognitive disabilities
- Very active occupants
- Unauthorised people with access to the Powerstroll

4.3 Contraindications

- The end user exceeds maximum weight capacity indicated in section 4.4
- Inability to safely guide a power mobility device

Other contraindications may be relevant which are specific to an individual and / or care environment.

4.4 Powerstroll Loading

The maximum weight capacity of the Powerstroll is:

135kg (21st) - PWCPP009

180kg (28st) - PWCPP009HD

Maximum weight capacity is the sum of the user mass, the wheelchair and any ancillary attachments or accessories. Exceeding the maximum weight capacity will void your warranty. Drive DeVilbiss Healthcare Ltd. will not be held responsible for injury and / or damages resulting from failure to observe weight capacities.



Warning

- The maximum load is for the Powerstroll to be occupied by one person only. Additional weight could damage components or destabilise the Powerstroll, potentially causing injury.
- The Powerstroll may only be used to transport one person at a time.
- The Powerstroll is not a toy. Children should not be allowed to play near or operate the Powerstroll, as they are at risk of harm.

4.5 Training

All individuals operating the Powerstroll are to be suitably familiar with the functionality and limitations prior to use. It is the responsibility of the user to ensure they are suitably trained to use the Powerstroll and any associated parts safely and correctly. Every effort should be made to resolve deficiencies and should include consideration of retraining, falls prevention and equipment alterations and modifications.

If these instructions for use are not deemed sufficient and the need for training is required, please contact Drive DeVilbiss Healthcare Ltd. (see section 2) who can discuss training options with you.

4.6 General Warnings



Warning

- Do not use a damaged or badly worn Powerstroll — risk of harm.
- Check the functionality of the Powerstroll before every use, using the method listed in section 8.3. Check the current fastest speed setting is appropriate. (It is recommended to use a slower speed setting at the beginning of every use, gradually increasing the speed setting as appropriate.)
- Do not use the Powerstroll in rain, ice or snow conditions. Such exposure can damage the Powerstroll and put the user at risk. If exposed to moisture, do not operate the Powerstroll until it has dried thoroughly.
- Do not drive on tall grass or loose surfaces, such as gravel or sand, or in muddy conditions.
- Reduced speed and care should be taken when navigating obstacles.
- Do not attempt to navigate on slopes greater than 8°.
- If unintended movement of the Powerstroll occurs, release the trigger to automatically stop the Powerstroll. Do not use the power switch to stop your Powerstroll unless an emergency requires the powering down of the Powerstroll.
- The PWCPP009 has a weight capacity of 135kg (21st), PWCPP009HD of 180kg (28st); overloading will cause overheating and excessive battery drain.
- Do not touch any exposed contacts or connectors while using the product or while in contact with other individuals.
- Misused electrical equipment can be hazardous.
- Do not operate the Powerstroll while under the influence of alcohol or when excessively tired.
- Only approved parts, specified for the Powerstroll, should be used. Accessories that have not been approved or designed for use with the Powerstroll are not to be used — a hazard could be introduced due to product combination incompatibility. If in doubt, contact Drive DeVilbiss Healthcare Ltd.
- Modification of the Powerstroll, its parts or features is not allowed without the permission of Drive DeVilbiss Healthcare Ltd. — a hazard could be introduced.
- The Powerstroll must not be used solely by the wheelchair user, under any circumstances. It must only be attendant operated.



Warning

- The Powerstroll is electrically operated, so should not be used in oxygen-rich environments, in the presence of flammable gases, sources of heat or naked flames — risk of explosion / fire. Damaged or worn upholstery increases the risk of fire hazard and should be replaced immediately.
- Individuals unable to drive the Powerstroll without assistance or supervision must not use the Powerstroll without such supervision. Unsupervised use of the Powerstroll must be avoided if there is any doubt about the ability of an individual to operate it safely.
- If children, adults with learning difficulties or pets pose a potential risk of tampering with the Powerstroll, its suitability for use is to be considered during the initial user / product risk assessment.
- When connecting / disconnecting the battery from the motor or the charger make sure both the power to the charger and Powerstroll handcontrol are switched off.
- Only operate the Powerstroll at a speed that is comfortable to both the operator and wheelchair user.
- Ensure the Powerstroll is secured in transit. It is recommended that the battery is disconnected.



Warning

Note: Wheelchairs fitted with attendant cable brakes.

- On such wheelchairs, the attendant brake levers should be removed prior to fitting the Powerstroll to the wheelchair. If the attendant brakes do not have a separate parking brake facility, then parking brakes should be added to the wheelchair.

5. TRANSPORT & STORAGE

Environmental conditions for transport and storage:

Ambient temperature: 0°C to +40°C

Follow these conditions when transporting or storing the Powerstroll:

- The power switch should be turned off.
- Always fully charge, then remove the battery prior to long-term storage to ensure maximum battery efficiency.
- The Powerstroll should be stored in clean and dry conditions. Cover to protect from fluid ingress, dirt, dust etc.
- Powerstrolls should not be stored on their side, on their backs, or stacked.
- When transporting Powerstrolls by vehicle, they should be securely stowed in the back of a van, truck, or boot of a car. Adjustable parts should be removed or properly secured during transport.
- Keep the instructions for use with the Powerstroll or in a safe place.

Note: This vehicle is suitable for land and air transport, but contact your carrier in advance to determine their specific requirements. The battery pack contains two 12V batteries. The batteries are sealed lead acid type and are maintenance free and non-spillable.

The batteries require charging every week to ensure battery longevity.

The batteries are supplied as standard with the battery pack and classified as safe for air transport under IATA special provision A67.



Caution











- Infrequently charged batteries, or batteries stored without a full charge are susceptible to permanent damage, causing unreliable performance from your Powerstroll.
- Avoid placing the Powerstroll in direct sunlight — this could damage the electrical system and / or cause label fading.
- Clean the Powerstroll in line with section 10 prior to storage.













5.1 Disassembly

- Switch the Powerstroll off.
- Disconnect the connector from the underside of the handset.
- Remove the lift-up strap from the push handle.
- Press down the catch at the back of the Powerstroll and slide the battery pack out.
- Pull up on the fabric strap so that the catches on the two mounting brackets release and allow the Powerstroll to be detached from the wheelchair.

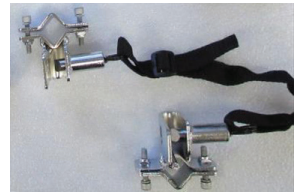
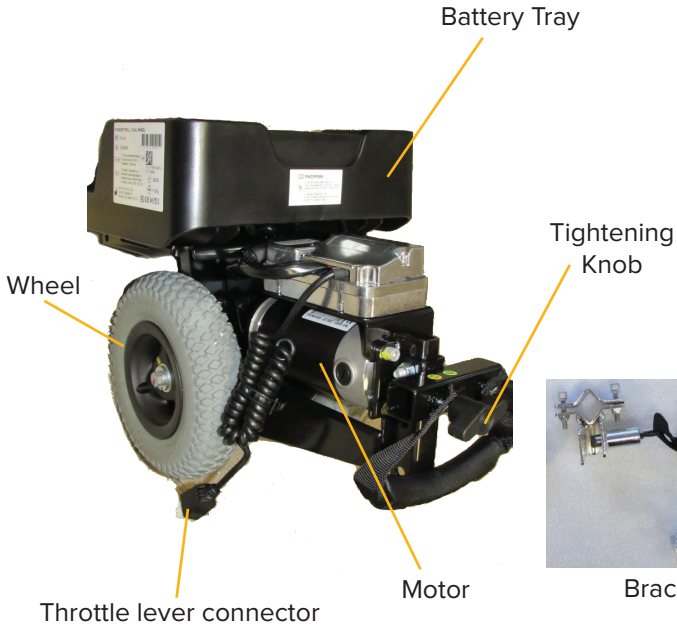
6. SYMBOL DEFINITION

The following symbols are found on this Powerstroll:

Symbol	Description
	Warning Beware of potential hazard
	Caution Beware of potential product damage
	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
	Medical Device
	Safe working load
	Do not create a stack of more than 2 boxes
	Fragile, handle with care
	Use no hooks
	This way up

Symbol	Description
	Serial number
	Product code
	Model Number
	Quantity
	UK Responsible person
	Authorised EU Representative
	Manufacturer
	Date of manufacture
	Importer
	Distributor
	W.E.E.E Label - Found on individual parts of electrical system (Waste Electrical and Electronic Equipment) Refer to section 12)
	Keep away from rain

7. PARTS IDENTIFICATION



Handset (top)



Handset (bottom)



Telescopic Bar

8. CHARGING & PREPARING FOR USE

8.1 Installation



Warning

- Before preparing the Powerstroll, ensure these instructions have been read and fully understood.
- Prepare the Powerstroll in a dry, indoor environment.
- Only competent persons are to prepare the Powerstroll for use. If in doubt, contact Drive DeVilbiss Healthcare Ltd.
- Ensure a risk assessment in line with local health and safety policy is undertaken to ensure that staff are not put at risk when performing assembly activities.

Handset Installation

- Loosen both screws on the plastic brackets, using the 4mm Alan Key (supplied).
- Attach the brackets around the push handle tubing, and reattach screws to secure.
- Slacken the grey knob and adjust the throttle lever to the required angle, then re-tighten the knob to secure.



Slide the control panel onto the mounting bracket, until it clicks into position.

Connect the short leads from the controller and the throttle lever together.

Note: For user comfort, the control panel can be mounted on the left or right hand side push handle, with the panel inside or outside the seating area.

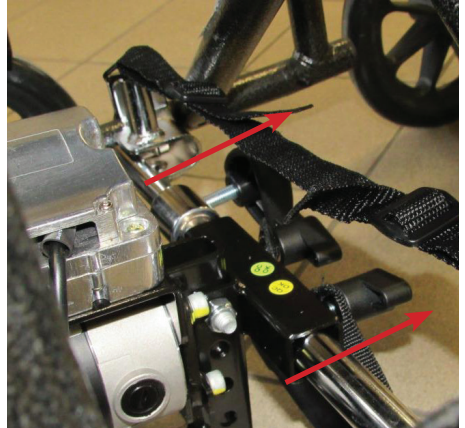
Bracket Installation

- Install both brackets on the bottom horizontal tubing of the wheelchair, using a 5mm Allen Key (as shown right)
- Ensure that the screws are sufficiently tight and that the brackets do not rotate on the tubing. Ensure that the brackets are aligned with each other.
- Adjust the length of the strap to suit the width of the wheelchair.



Powerpack Installation

- Feed the telescopic bar through the front end of the powerpack. Loosen the tristar knob on the bar and adjust to the correct length.
- Tighten the knobs on the bar and at the front of the powerpack.
- Place the two ends of the bar on the rear of the brackets, then push the powerpack forward until it locks in position. (as shown right).
- The position of the bracket, at the front of the powerpack, can be adjusted to 4 different positions, to allow the Powerstroll to fit different types of wheelchair.



Battery Pack Installation

- Press down the catch at the back of the Powerstroll and slide the battery pack out.
- Remove the plastic safety film from the battery tray.
- Place the battery pack in to the battery tray (Right).
- Slide the battery pack forwards until it locks into position.



Handset Connection

Connect the cable from the powerpack into the connector on the underneath of the handset.



Lift-up Strap Installation

Place the top loop of the lift-up strap around the opposite push handle to the handset.



8.2 Battery Charging



Warning

- Do not open the battery.
- Do not connect an extension cord to the battery charger.
- Keep metal objects away from the battery terminals; electric shock may occur.
- Ensure the charging cable is not under excessive tension to avoid cable damage — damaged cables can create an electrocution / fire risk.
- Ensure the battery is not exposed to direct sunlight or a secondary heat source — direct heating of the battery via an external source could pose a fire risk or cause an explosion.
- When connecting / disconnecting the battery from the motor or the charger make sure both the power to the charger and Powerstroll handcontrol are switched off.



Caution

- Only charge the Powerstroll with the approved charger.
- Never charge the Powerstroll using a different charger.
- Charge fully before each use.

Battery charging and care

- Switch off the Powerstroll on the handset.
- Press down the catch at the back of the Powerstroll and slide the battery pack out of the battery tray.
- Plug the charger's power cord into the mains.
- Plug the charger's round plug into the charging socket on the battery pack.
- Switch on the mains power.
- The charger's LED will illuminate red to indicate the batteries are charging. The charging duration is about 8 hours. To ensure optimum performance a 12-hour charge is recommended.
- The red LED will turn green when charging is complete, but it is recommended that you leave the battery on charge for a couple of hours after the green LED has lit, to maintain the battery performance, (When no battery is connected, the charger's LED will be green).
- When charging is completed, switch off the mains and unplug the charger. Disconnect the battery pack from the charger.

8.3 Checking Before Use

It is important to check the functionality of the Powerstroll before the initial use to ensure its safe operation.

- Check that the Powerstroll is securely fixed to the wheelchair and that both drive wheels are on the ground.
- Check that the Powerstroll drives the wheelchair in a straight line.
- Release the throttle control after moving in any direction. The throttle control should immediately return to the neutral position and the Powerstroll should come to a stop.

9. OPERATION OF THE POWERSTROLL

9.1 Operational Limits

Ambient temperature: 0°C to +40°C
Operating Humidity: 20% to 85% RH

9.2 Powerstroll Controls

Please refer to the diagram below to identify your Powerstroll controls and their functions. Familiarise yourself with the terminology to better understand references throughout these instructions.



Caution

Make sure the Powerstroll functions work correctly before operating, using the checklist in section 8.3 for guidance.

Forward Direction Button

To allow the Powerstroll to move forward press the forward direction button.

Reverse Direction Button

To allow the Powerstroll to move backwards press the reverse direction button.

Please note there is a 2-second delay when starting up the Powerstroll before the wheel will move. Wait 2 seconds before squeezing the trigger.

Always ensure the Powerstroll is switched off when not in use.



Warning

- Do not turn the power off whilst moving as this will lead to an emergency stop and possible risk of damage or injury.
- When at rest, power down your Powerstroll to prevent unintended motion.

Throttle lever

Squeeze the trigger to propel the Powerstroll. The more the trigger is squeezed, the faster the Powerstroll will travel. Release the trigger to stop the Powerstroll.

Speed Adjustment Dial

Turn the dial clockwise to increase the maximum speed of the Powerstroll. Turn the dial anticlockwise to reduce the Powerstroll's maximum speed.

Direction Indicator LED's

These will light green to indicate which direction has been selected.

Tightening Handle

The tightening handle is used to set the required angle for the throttle lever.



Warning

Do not adjust the speed settings whilst moving as this could result in loss of control. Do not set the highest speed whilst moving indoors.

9.3 Using the Powerstroll

You must exercise awareness, caution, care, and common sense when operating your Powerstroll. Always keep in mind your own limitations and substance use.

Users may encounter difficult manoeuvring situations such as narrow doorways, travelling up and down ramps, cornering, and travelling on uneven terrain. Be sure to lower the speed, take your time, and carefully manoeuvre the Powerstroll.

To push the wheelchair, without using the Powerstroll, attach the Lift-up Strap to the handgrip and use it to lift the Powerstroll wheels off the ground.

Note: This will increase the risk of the wheelchair tipping backwards, when the user vacates the wheelchair.



Warning

- Never use your Powerstroll while tired, smoking, under the influence of alcohol or other mind-altering substances. Be aware of precautions, warnings, and safety issues when taking prescribed or over-the-counter drugs before operating.
- If there is a history of active seizures in the last 6 months, clearance should be obtained from a neurologist that the patient's seizures do not prohibit safe use of a motorised device.
- When operating the Powerstroll, the wheelchair occupant is expected to be positioned appropriately in the seat, with limbs clear of moving parts to prevent entrapment. Ensure that the occupant doesn't reach, lean or bend when the wheelchair is moving.
- Always make sure the power is off before getting in or out of the wheelchair.
- Carers should keep clear once the Powerstroll is powered on. Do not operate the controls while anyone is entering or leaving the wheelchair – a hazard may be introduced.
- Do not let children play near or operate the Powerstroll.
- When walking behind the wheelchair, ensure that you do not kick the Powerstroll.
- Keep your hands and feet away from moving parts while moving. Be aware of loose-fitting clothes that can become caught in the drive wheels.
- Always reduce your speed and maintain a stable centre of gravity when turning corners.



Caution

Always check the Powerstroll is free of obstructions before use.

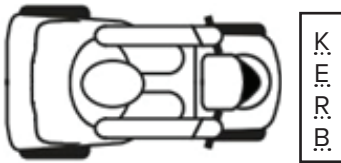
9.4 Steps, Kerbs & Fixed Obstacles

Use extreme caution when operating your Powerstroll near kerbs, porches, stairs, escalators, drop-offs, unprotected ledges, and raised areas. Approach slowly, and make sure the front of the wheelchair with Powerstroll attached is perpendicular to the obstacle.

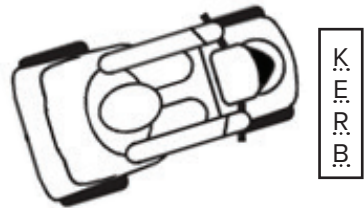
To manoeuvre up a fixed obstacle – Increase the forward speed until the Powerstroll has cleared the obstacle, and then you may reduce the speed.

To manoeuvre down a fixed obstacle – Reduce the forward speed just before the front wheels come in contact with the obstacle and remain at the reduced speed until Powerstroll has cleared the obstacle, then you may increase the forward speed.

Correct Approach:



Incorrect Approach:



Warning

- Never attempt to navigate your Powerstroll over a kerb or other fixed obstacle taller than the maximum ground clearance. Refer to section 14 for this information.
- Never attempt to navigate your Powerstroll backwards over an obstacle. Make sure that there are no steps, kerbs or other obstacles behind you while reversing – tipping / falling risk.
- Never attempt to operate your Powerstroll on steps or escalators.

9.5 Inclines

Use caution when approaching inclines or declines. If necessary, lower the speed before travelling on a slope.

When travelling up an incline try to keep the Powerstroll moving forward. If you must come to a stop, use caution and slowly accelerate the Powerstroll forward. When travelling down an incline, lower the speed on your Powerstroll to the slowest setting, and proceed cautiously.

If the Powerstroll is travelling down the incline faster than you expected, slowly return the throttle lever to neutral to come to a stop, then slightly pull the throttle lever again to continue safely down the incline.



Warning

- Drive your Powerstroll straight up or down an incline, never backwards. Erratic movements, or back and forth patterns may increase the chance of tipping.
- Be careful when driving on inclines. Inclines vary and doing so may decrease stability.
- Do not, under any circumstances, travel on a slope greater than the maximum stability angle for this Powerstroll. Refer to section 14 for this information. Exceeding the stability angle may cause unstable conditions.

9.6 Outdoor Operation & Inclement Weather Precautions

Exposure to inclement weather should always be avoided. Monitor weather forecasts before starting a journey to reduce risks. If you find yourself caught in inclement weather while operating your Powerstroll, proceed to the closest shelter immediately. Completely dry your Powerstroll before operating, charging, or storing.



Warning

- Be cautious when driving your Powerstroll in busy areas, such as shopping malls.
- If you get caught outside in the rain, seek shelter immediately and dry the Powerstroll with a cloth.
- Avoid exposure to moisture, standing water, rain, snow, ice or salt when possible. Operating in rain, snow, salt, mist and on icy or slippery surfaces may have an adverse effect on the electrical system.
- At extreme temperatures, the batteries may freeze, and your Powerstroll may not be able to operate. In extreme high temperatures, it may operate at slower speeds due to a safety feature of the controller that prevents damage to the motors and other electrical components. Operational limits stated in section 9.1 must be observed.



Caution

If you are unsure of a surface, such as gravel, it is recommended to avoid it and locate an alternative route.

9.7 After Use Instructions

Switch off the power after use of the Powerstroll.

Store the Powerstroll in a location that cannot be interfered with by children, meets the storage conditions in section 5 and is free from excess moisture.

Clean the Powerstroll with a soft cloth and ensure it is dry (see section 10).

10. CLEANING



Warning

- Never use direct contact with water to clean the Powerstroll. This could cause damage to the electrical components and put the user at risk. Only a damp cloth should be used.
- Always disconnect the Powerstroll from the mains supply prior to cleaning.
- Deviating from the specified cleaning instructions could cause a biological hazard, especially in multi-user environments, and adversely affect the life and efficiency of the product.



Caution

Regular cleaning can help prolong the lifespan of the Powerstroll.

Use a damp cloth with a mild soap or detergent to clean the frame, and then dry thoroughly.

11. MAINTENANCE & SERVICING



Warning

- Always disconnect the Powerstroll from the main power supply and remove the battery prior to performing any maintenance procedures (where viable).
- Never attempt to deconstruct the enclosures, re-wire any components or replace internal battery components. Modification of the Powerstroll is not allowed without the permission of the manufacturer and electrical system components are only to be replaced by authorised service personnel.
- No maintenance or servicing should be conducted while the device is in use – risk of electric shock, entrapment, loose parts, etc. If not possible due to the occupant's mobility, a risk assessment should be carried out, and if deemed safe to proceed, care should be taken to avoid contact with the occupant when working on electrical items.
- Failure to carry out the following checks at the stated frequencies could negatively influence the essential performance of the Powerstroll and as a result put individuals at risk.
- Allow all components to cool before performing maintenance. Parts of the motor system can generate heat while moving.



Caution

All maintenance should be conducted by a competent person. Disassembling the controller, motor, or charger by anyone other than an approved service engineer is prohibited and voids any applicable warranty. For any maintenance concerns, contact Drive DeVilbiss Healthcare Ltd.

11.1 General Guidelines

Routine maintenance is required to ensure the maximum use of your Powerstroll. While some of the maintenance can be done by yourself, you may need assistance from an authorised service engineer. If you have any doubts, contact Drive DeVilbiss Healthcare Ltd.

If there are any signs of damage, or the Powerstroll is not performing as it should, withdraw it from service until the Powerstroll has been repaired and is fit for use.

Preventative maintenance is key to keeping the Powerstroll in prime operating condition. Follow the Maintenance Schedule at the end of this manual to periodically inspect the Powerstroll for serviceable items.

- Avoid knocking or abuse to the control unit
- Avoid prolonged exposure to extreme heat or cold
- Keep the Powerstroll clean and free from moisture
- Never use a conditioner on the tread of the wheels
- Check for the presence of flat spots on the tyres
- Check all electrical connections, ensuring they are fastened and not corroded
- Check all components for loose fasteners and tighten where appropriate

The following conditions may indicate a serious problem with your Powerstroll. Contact Drive DeVilbiss Healthcare Ltd. if one of the following conditions occurs:

- Motor or gearbox noise
- Frayed electrical cables
- Cracked or broken connections
- Uneven wear on the tyres
- Veering to one side when steering straight
- Bent or broken wheel assemblies
- Will not power on

All wheel bearings have been lubricated and sealed. They should not require subsequent lubrication during maintenance.

If in doubt about the correct replacement of a component, contact Drive DeVilbiss Healthcare Ltd.

11.2 Fault Resolution

Minor faults with the Powerstroll can be resolved using the steps below:

- Switch off Powerstroll.
- Check the charger is not plugged in.
- Ensure the throttle lever is released.
- Switch the Powerstroll back on with the power switch and wait 5 seconds before trying the throttle lever.

If this does not resolve the issue, recharge the battery and repeat the above procedure. If the fault is still not resolved, do not use the Powerstroll, turn off the power and contact Drive DeVilbiss Healthcare Ltd.

11.3 Repair

Contact your provider to discuss the replacement of components on the Powerstroll. Some spare parts may be replaced by the user under instruction from service personnel, however other components will require installation by a service engineer.

12. DISPOSAL OF PARTS

When the Powerstroll, the electrical system or any associated packaging and accessories have come to the end of their useful life, follow W.E.E.E. (Waste Electrical and Electronic Equipment) policies, local and national regulations for recycling and disposal.

Individual parts can be separated and disposed according to the type of material. The electrical components of the Powerstroll should not be disposed in municipal waste. Some of these electrical components could be harmful to the environment and where viable, can be recovered and reused / recycled.

When the Powerstroll is unpacked for the first time, the cardboard box, and plastic packaging used can be recycled at recycling centres that offer suitable cardboard and polymer recycling programmes respectively.

For further information about disposal, contact your local waste agency, recycling centre, or provider. If in doubt, contact Drive DeVilbiss Healthcare Ltd.



Warning

The Powerstroll and any associated parts are to be decontaminated before disposal to avoid the risk of cross-contamination.

13. ELECTROMAGNETIC COMPATIBILITY (EMC)

Electromagnetic interference (EMI) tests have shown to produce adverse effects on the performance and control of electrically powered mobility devices. EMI can be produced from different sources, such as cellular phones, amateur radio transmitters (HAM), microwave signals and emergency vehicle transceivers. The EMI produced from hand-held radios are of special concern.

The EMI waves can cause unintentional movement of the Powerstroll, or damage to the controller. Every electrically powered mobility device has a resistance to EMI. The higher the resistance level the greater the protection. The intensity of the interference can be measured in Volts per meter, V/m.

If the Powerstroll 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, as soon as it is safe) 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. If the Powerstroll continues to operate abnormally, turn off at the mains supply and contact Drive DeVilbiss Healthcare Ltd.

The warnings listed below are recommended to prevent possible interference with the control system of your Powerstroll. Your Powerstroll, with no modifications, has an immunity level of 20 V/m. For specific emissions and immunity information relating to the Powerstroll, contact Drive DeVilbiss Healthcare Ltd. Report EMI incidents to Drive DeVilbiss Healthcare Ltd. using the details provided in section 2.



Warning

- Do not operate hand-held transceivers or turn on personal communication devices while the Powerstroll is powered on. Avoid use adjacent to or stacked with other equipment where possible. If adjacent use is necessary, the Powerstroll should be observed to verify normal electrical operation in the configuration in which it is to be used.
- Use of accessories and cables other than those specified or provided by Drive DeVilbiss Healthcare Ltd. could result in increased electromagnetic emissions or decreased electromagnetic immunity of the Powerstroll and result in improper operation or moving performance.
- Portable RF communications should be used no closer than 30 cm to any part of the Powerstroll (including its cables), otherwise a degradation in performance could result.
- Avoid use around radio transmission systems, such as radio or television stations.

14. SPECIFICATION

Product name:	S Drive Powerstroll	S Drive Powerstroll HD
Model Number	PWCPP009	PWCPP009HD
Top Speed*	4mph (6.4kph)	
Maximum Range*	10 miles (16km)	
Rated Slope:	8°	
Ground Clearance:	4cm	
Powerstroll Dimensions: L x W x H	46 × 26 × 38cm	46 × 30 × 38cm
Tyres x 2	20 x 7.5cm	
Maximum Weight Capacity: (including wheelchair and user)	135kg (21 stone)	180kg (28st)
Overall Product weight: (with Battery)	19kg	
Battery weight:	9kg	
Battery:	2 x 12V 12Ah Sealed Lead-Acid	
Motor Type:	24V, 150W	24V, 200W
Max Charger Output:	2A	
Application environment:	See section 3.1	
* Speed and range may vary depending upon user weight, battery charge and condition, incline, weather conditions and stop/start behaviour.		

15. WARRANTY

Drive DeVilbiss Healthcare Ltd. guarantees this product is free from defects in material and workmanship under normal use for 2 years (with the exception of batteries and tyres which are guaranteed for 1 year and the frame which is guaranteed for 3 years), from date of purchase from Drive DeVilbiss healthcare Ltd. and its subsidiary companies or authorised dealers (Your Supplier). All implied warranties, of fitness and merchantability, are limited in the total duration of 2 years from date of purchase. Proof of purchase must be presented with any claim.

Drive DeVilbiss Healthcare Ltd. makes no other warranties, expressed 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 Healthcare Ltd. be liable for punitive, special, or consequential damages.

Except as provided herein, this warranty will not apply to any Drive DeVilbiss Healthcare 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 Healthcare Ltd. prior written authorisation, (d) used in conjunction with a third-party product or products not approved in advance by Drive DeVilbiss Healthcare 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 Healthcare Ltd. The warranty explicitly exempts consumable items.

This warranty contains the entire agreement between You, your Supplier and Drive DeVilbiss Healthcare 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 Healthcare Ltd., its subsidiary companies, authorised dealers or international distributors, who will at their option, unless otherwise provided by law, do one of the following: 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. Please note if a fault is outside of the warranty terms and conditions (please see above), any repair undertaken will be charged for.

All replaced parts and products on which a refund is made become the property of Drive DeVilbiss Healthcare 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.

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

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

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16. MAINTENANCE SCHEDULE

Inspect your Powerstroll routinely for service issue or wearable items.

Inspection	DAILY	WEEKLY	MONTHLY	SIX MONTHLY
All Parts			✓	
Turning, Driving, Preset and Disassembly etc.		✓		
Brake system	✓			
Connections		✓		
Battery Condition	✓			
Wheel Condition			✓	
Motors				✓
General Device Inspection		✓		
Cleaning	✓			

SUGGESTION – Once a year, take your Powerstroll to a service engineer for inspection and maintenance who are authorised on behalf of Drive DeVilbiss Healthcare Ltd.



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Drive DeVilbiss Healthcare Ltd. provide these instructions for use and product markings.



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