



# 20V SV20 SERIES CORDLESS BELT SANDER 76MM

MODEL NO: **CP20VBS**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear protective gloves



Wear ear protection



Wear a mask

## 1. SAFETY

### GENERAL POWER TOOL SAFETY WARNINGS

- ❑ **WARNING!** - Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warning and instructions for future reference. Keep work area clean and well lit. Cluttered or dark areas invites accidents.

### WORK AREA SAFETY

- \* **DO NOT** operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- ✓ Keep children and bystanders away whilst operating a power tool. Distractions can cause you to lose control.

### ELECTRICAL SAFETY

Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

- \* **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

### PERSONAL SAFETY

Stay alert, watch what you are doing and use common sense when operating a power tool.

- \* **DO NOT** use a power tool whilst you are tired or under the influence of drugs, alcohol, or medication. A moments inattention whilst operating power tools may result in serious injury.
- ✓ Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your fingers on the switch or energising power tools that have the switch on invites accidents.
- \* **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ✓ Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- ✓ If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- \* **DO NOT** let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

### POWER TOOL USE AND CARE

**DO NOT** force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

- \* **DO NOT** use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- ✓ Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ✓ Store idle power tools out of the reach of children and do not allow persons unfamiliar with these power tools or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- ✓ Maintain power tools and accessories. Check for misalignment or binding of the moving parts, breakage of parts and any other condition that may affect the power tool's operation.
- ✓ If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- ✓ Use the power tool, accessories and tool bits etc, in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- ✓ Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## SERVICE

- ✓ Have your power tool serviced by a qualified repair person using only genuine replacement parts. This will ensure that the safety of the power tool is maintained.
- ✗ Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.

## BATTERY TOOL USE AND CARE

- ✓ Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- ✓ Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- ✓ When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- ✗ Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts your skin, seek medical help. Liquid ejected from the battery may cause irritation or burns.
- ✗ **DO NOT** use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- ✗ **DO NOT** expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 40°C may cause explosion.
- ✓ Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

## DUST EXTRACTION

- **WARNING:** Always connect the sander to a suitable vacuum cleaner or workshop dust extraction system if applicable. The sanding dust could contain harmful substances, such as particles from old paint, varnish, surface coatings etc. Always dispose of harmful dust according to local laws and regulations.
- **WARNING:** Take special care to guard against harmful and toxic dusts when sanding lead-based painted surfaces, woods and metals, particularly if you are unsure about the exact substances involved. All persons entering the work area must wear a mask specially designed for protection against the toxic dust and fumes involved. Children and pregnant women **MUST NOT** enter the work area. **DO NOT** eat, drink or smoke in the work area.

### 1.1. SPECIFIC SANDER SAFETY

#### □ **WARNING! LEAD PAINT.**

Paint once contained lead as a traditional ingredient. The dust from the removal of such paint is toxic if ingested/inhaled and must, therefore, be avoided. The following actions must be taken before using the sander on a surface that you suspect may contain lead paint.

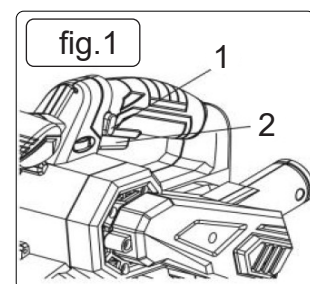
1. User must determine potential hazard relating to age of paint to be removed. (Modern paints do not have lead content).
2. **DANGER!** Keep all persons and pets away from the work area. The following persons are particularly vulnerable to the effects of lead paint dust: Pregnant women, babies and children.
3. We recommend personal protection by using the following safety items:
  - a) Paint Spray Respirator.
  - b) PE Coated Hooded Coverall.
  - c) Latex Gloves.
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) above and thoroughly clean all areas when task is complete. Ensure paint waste is disposed of in sealed bags or containers.

## 2. INTRODUCTION

Compact and well balanced belt sander with sanding width of 76mm. Flat front and side edge allow for flush sanding. Supplied with a dust collection bag. Tool-less belt change and tracking adjust. Six adjustable speed settings.

## 3. SPECIFICATION

MODEL NO.: ..... CP20VBS  
Battery: ..... 20V 2Ah - 6Ah Lithium-ion (not included)  
Belt length: ..... 457mm  
Belt Width: ..... 76mm  
No-Load Speed: ..... 120-350rpm  
Noise Power/Pressure: ..... 91.0/80.0dB(A)  
Measured vibration emission value: ..... 3.03 m/s<sup>2</sup>  
Uncertainty value: ..... 1.5 m/s<sup>2</sup>



## 4. OPERATION

- **WARNING!** Before connecting the sander to a power supply, always make sure it is not in the locked-on position. Failure to do so could result in accidental starting of the sander resulting in possible serious injury.

### 4.1. TURNING THE SANDER ON

- 4.2. Insert the battery pack.
- 4.3. Depress the switch trigger fig.1.2

### TURNING THE SANDER OFF

- 4.4. Release the switch trigger.

#### 4.4.1. LOCK-ON BUTTON

The lock-on feature allows you to lock the switch (fig.1.1) trigger in the ON position. Locking the switch trigger on allows you to operate the sander for extended periods of time.

- 4.4.2. If you have the lock-on feature engaged during use and the battery pack is removed from the sander, disengage the lock-on feature immediately. **DO NOT** lock the switch trigger if you might need to suddenly stop the sander.

- **WARNING!** Before connecting the sander to a power supply, always make sure it is not in the locked-on position. Failure to do so could result in accidental starting of the sander resulting in possible serious injury.

#### 4.5. TO LOCK ON THE SANDER

- 4.5.1. Depress the switch trigger.
- 4.5.2. Push in the lock-on button.
- 4.5.3. Release the switch trigger.
- 4.5.4. Release the lock-on button.

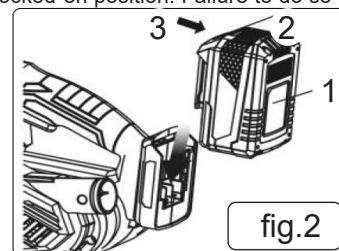
**NOTE:** To release the lock, depress and release the switch trigger.

- WARNING!** Before connecting the sander to a power supply, always make sure it is not in the locked-on position. Failure to do so could result in accidental starting of the sander resulting in possible serious injury.

#### 4.6. INSTALLING/REMOVING BATTERY PACK

##### 4.6.1. TO INSTALL

- 4.6.2. Insert the battery pack (fig.2.1).
- 4.6.3. Make sure that each side of the battery pack slides into its location and locks into place before beginning to operate.



##### 4.7. TO REMOVE

- 4.7.1. Depress the latch (fig.2.3) in the centre of the battery pack and pull upwards. (fig.2.2).

#### 4.8. SELECTING SANDING BELTS

- 4.8.1. Selecting the correct size and type of sanding belt is an important step in achieving a high-quality sanded finish. Aluminium oxide, silicon carbide, and other synthetic abrasives are best for power sanding. In general, when sanding, coarse grit removes the most material and fine grit produces the best finish. The condition of the surface to be sanded determines which grit will do the best job. If the surface is rough, start with a coarse grit and sand until the surface is uniform. Then use medium grit to remove scratches left by the coarser grit. Finally, use finer grit for finishing the surface. Always continue sanding with each grit until the surface is uniform.

#### 4.8.2. USING SANDING BELTS

##### 4.8.3. TO INSTALL/CHANGE SANDING BELTS

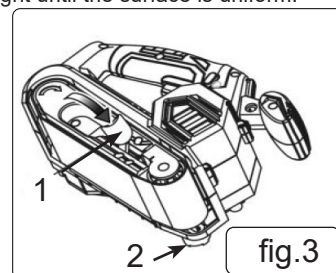
**WARNING!** Remove the battery pack. Keep hands and fingers clear of both rollers and spring mechanism at all times. Failure to do so could result in fingers getting pinched, causing serious injury.

Position the sander on its side. (fig.3)

Raise the tension release lever. (fig.3 1).

- 4.9. Align the sanding belt to its correct position.
- 4.10. Lower the tension release lever to secure the sanding belt.

- WARNING!** If the sanding belt is not a bidirectional belt, ensure that the arrow inside the belt is pointing in the direction of the rotation (clockwise when looking into the open side of the sander). Installing unidirectional sanding belts backwards can create a hazardous condition.



##### 4.11. TO ADJUST SANDING BELT TRACKING

**NOTE:** Belt life is greatly increased if you regularly adjust the sanding belt tracking. When correctly adjusted, the outer edge of the sanding belt should be even with the outer edge of the base of the sander. When you install a new sanding belt, you may need to adjust the sanding belt tracking several times until the belt becomes conditioned.

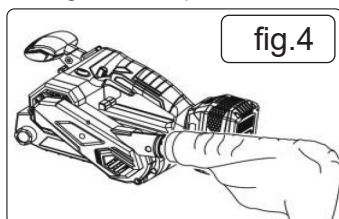
- 4.11.1. Insert the battery pack.
- 4.11.2. Position the sander upside down.
- 4.11.3. Depress the switch trigger and release immediately.
- 4.11.4. If the sanding belt runs inward: Turn the tracking knob slowly counter-clockwise. (fig.3.2)
- 4.11.5. If the sanding belt runs outward: Turn the tracking knob slowly clockwise.

**NOTE:** Turn the tracking knob until you are sure the sanding belt is secure, i.e., it will not come off the sander or contact internal parts.

#### 4.12. OPERATION

- 4.12.1. Turn the sander on and let the motor reach its maximum speed before placing the sander on the work surface.
- 4.12.2. Lower the sander to the work surface with a slight forward motion.
- 4.12.3. Move the sander slowly over the work surface, using the rear handle to control the sander and the front handle to guide the sander.

**NOTE:** Allowing the sander to remain in one place will result in an uneven surface. Also be aware that the sander is designed to provide the proper weight on the sanding belt. Excessive pressure will result in uneven work, clogged sanding belts, premature sanding belt wear, possible motor burnout, or Irregular sanding belt tracking.



##### 4.13. TO ATTACH THE DUST COLLECTION BAG (fig.4)

- 4.13.1. Remove the battery pack.
- 4.13.2. Slide the dust bag retainer over the blower exhaust hole on the sander.
- 4.13.3. For more efficient operation, empty the dust collection bag when it is no more than half full. This action permits the air to flow through the bag better. Always empty and clean the dust collection bag thoroughly upon completion of a sanding operation and before placing the sander in storage.

##### 4.14. TO EMPTY THE DUST COLLECTION BAG (fig.4).

- 4.14.1. Remove the battery pack. Wear appropriate P.P.E
- 4.14.2. Remove the dust collection bag from the sander.
- 4.14.3. Unzip the dust bag
- 4.14.4. Shake out the dust.
- 4.14.5. Zip up the dust bag.
- 4.14.6. Replace the dust collection bag.

**NOTE:** Periodically, you should turn the dust bag inside out and thoroughly clean it.

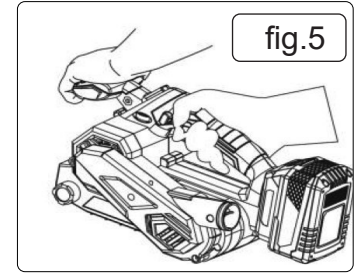
#### 4.15. PROPER HAND PLACEMENT (fig.5)

For ease of operation and maintaining proper control, the sander has a front handle and a rear handle. These handles allow two-handed operation, which aids in maintaining control, keeping the sanding area level with the work-piece, and keeping hands clear of the sanding belt. When operating the sander, always hold the front handle with your left hand and the rear handle with your right hand.

#### 4.16. OPERATING THE SANDER

- 4.16.1. Secure the work to prevent it from moving under the sander.
- 4.16.2. Turn the sander on and let the motor reach its maximum speed before placing the sander on the work surface.
- 4.16.3. Lower the sander to the work surface with a slight forward motion.
- 4.16.4. Move the sander slowly over the work surface, using the rear handle to control the sander and the front handle to guide the sander.

**NOTE:** Allowing the sander to remain in one place will result in an uneven surface.



## 5. MAINTENANCE

- WARNING!** Remove battery from tool before performing any maintenance or making adjustments.
- 5.1. Keep the ventilation slots of the machine clean to prevent overheating of the motor.
- 5.2. Regularly remove dust / debris with a soft bristled brush.
  - x **DO NOT** use solvents. Clean with a soft damp cloth. **DO NOT** use compressed air (risk of ejection).
- 5.3. Tool does not require any special maintenance (it is permanently lubricated inside). Have your power tool serviced by a qualified repair person using only genuine replacement parts. This will ensure that the safety of the power tool is maintained. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorised service providers.  
**STORAGE:** Store in a child free, dry location.

### **WARNING! – Risk of Hand Arm Vibration Injury.**

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.

This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.

This tool is to be operated in accordance with these instructions.

Measured vibration emission value (a): 3.03 m/s<sup>2</sup>

Uncertainty value (k): 1.5 m/s<sup>2</sup>

Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

NB: Stated Vibration Emission values are type-test values and are intended to be typical. Whilst in use, the actual value will vary considerably from and depend on many factors. Such factors include; the operator, the task and the inserted tool or consumable.

NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration. The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

#### **HEALTH SURVEILLANCE**

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

#### **PERSONAL PROTECTIVE EQUIPMENT**

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSC website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work



#### **ENVIRONMENT PROTECTION**

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



#### **WEEE REGULATIONS**

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.



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