



# INSTRUCTIONS FOR: 12V & 18V CORDLESS HAMMER DRILLS Models: CP9812VHK & CP9818VHK

Thank you for purchasing a Sealey product. Manufactured to a high standard this article 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 AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

## 1. SAFETY INSTRUCTIONS

### 1.1. GENERAL SAFETY

- ✓ Disconnect the drill from the battery unit before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the drill and batteries in good condition. Check moving parts alignment on a regular basis.
- ✓ Replace or repair damaged parts. *Use an authorised service agent and recommended parts only. Non authorised parts may be dangerous and will invalidate the warranty.*
- ✓ Ensure the drill is switched off before installing the battery pack.
- ✓ Keep the drill and charger clean for best and safest performance.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- ✓ Use in adequate working area for its function. Keep area clean and tidy and free from unrelated materials and ensure there is adequate lighting.
- ✓ Evaluate your working area before using the drill i.e. ceiling, floors and enclosures may contain electrical items or water piping.
- ✓ Ensure battery pack is correctly inserted into the drill handle and snapped in place before attempting to switch drill on.
- ✓ Secure non stable work piece with a clamp, vice or other adequate holding device. **DO NOT** hold work in your hand.
- ✓ Avoid unintentional starting.
- ✓ Wear approved safety eye protection (standard spectacles are not adequate).
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Be aware that this drill does not need to be plugged into the mains power.
- ✓ Keep chuck direction switch in the locked position until the drill is required for use.
- ✓ Keep children and unauthorised persons away from the working area.
- x **DO NOT** use the drill where there are flammable liquids, solids or gases such as paint solvents, etc.
- x **DO NOT** allow children to operate the drill.
- x **DO NOT** operate the drill if any parts are missing as this may cause failure or possible personal injury.
- x **DO NOT** leave the drill operating whilst unattended.
- x **DO NOT** carry the tool with your finger on the power switch. Keep chuck direction switch in the locked position.
- x **DO NOT** force the drill to achieve a task it was not designed to perform.
- x **DO NOT** operate the drill when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** get the drill or battery charger wet or use in damp or wet locations.
- ✓ Keep drill and charger in their case and store in a safe, dry, childproof area where the temperature will not exceed 104°F (40°C).



### 1.2. BATTERY SAFETY INSTRUCTIONS.

- **WARNING!** *The battery contains nickel-cadmium which is dangerous and must therefore be handled with care to avoid damage, fire, corrosion or personal injury.*
- ✓ Charge battery prior to its first use. The battery pack will have been shipped in a low charge state.
- ✓ Use the provided charger only to charge the drill battery.
- x **DO NOT** charge battery when room temperature is below 50°F (10°C) or above 104°F (40°C).
- x **DO NOT** attempt recharging the battery by means of an engine generator or a DC power source.
- x **DO NOT** short-circuit the battery by touching both terminals with a metal object, or your fingers etc.
- x **DO NOT** store the battery (and drill) in locations where the temperature may exceed 104°F (40°C) such as outside sheds, above heaters, or metal buildings in summer.
- **WARNING!** *dispose of spent batteries correctly as they contain nickel-cadmium. ▲ DANGER! DO NOT attempt to disassemble the battery pack. For safety and environmental reasons DO NOT discard in domestic waste, or by burning. ONLY discard or recycle according to local waste authority regulations.*
- **WARNING!** *DO NOT allow a leaking battery to contact your person. If you come into contact with battery liquid take the following immediate action:*
  - a) **Skin contact:** *Wash immediately with soap and water, then wash flesh in either lemon juice or vinegar.*
  - b) **Eye contact:** *Wash with a strong solution of boric acid, and seek immediate medical attention.*

### 1.3. MAINS POWER ELECTRICAL SAFETY. (In relation to the battery charger)

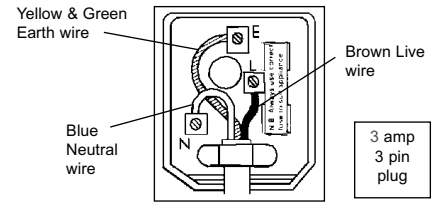
□ **WARNING!** **It is the user's responsibility to check the following:**

**You must** check all electrical equipment and appliances to ensure they are safe before using. **You must** inspect power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board.

We recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a professional electrician. You may obtain a Residual Current Device by contacting your dealer. **You must** also read and understand the following instructions concerning electrical safety.

- 1.3.1. The **Electricity At Work Act 1989** requires all portable electrical appliances, if used on a business premises, to be tested by a qualified person at least once a year by using a Portable Appliance Tester (PAT).
- 1.3.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.3.3. DO ensure that the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.3.1. above and use a Portable Appliance Tester (PAT).
- 1.3.4. DO ensure that cables are always protected against short circuit and overload.

- 1.3.5. DO regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections to ensure that none are loose.
- 1.3.6. DO check that the voltage marked on the product is the same as the electrical power supply to be used, and check that all fused plugs are fitted with the correct capacity fuse.
- 1.3.7. DO NOT pull or carry the powered appliance by its power supply lead. Products must not be pulled or carried by their output cables.
- 1.3.8. DO NOT pull power plugs from sockets by the power cable.
- 1.3.9. DO NOT use worn or damage leads, plugs or connections. Immediately replace or have repaired by qualified persons. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (UK only - see diagram right).



- a) Ensure the unit is correctly earthed via a three-pin plug.
- b) Connect the Green/Yellow earth wire to the earth terminal 'E'.
- c) Connect the Brown live wire to live terminal 'L'.
- d) Connect the Blue neutral wire to the neutral terminal 'N'.

**1.4. BATTERY CHARGER SAFETY INSTRUCTIONS.**

- ❑ **WARNING! DO NOT attempt to charge any battery other than that supplied for the drill. Other types of batteries may explode!**
- ✓ All mains electrical supply safety features must be followed as described in 1.3. above.
- ✓ Disconnect the charger from the mains power supply when not in use.
- x DO NOT expose the charger to damp or wet conditions.
- x DO NOT pull or carry the charger by the power lead.
- x DO NOT operate the charger if it has been dropped, or has received a sharp knock, or is damaged. Take charger to an authorised agent.
- x DO NOT dismantle the charger as this may cause damage or personal injury and will invalidate your warranty.
- x DO NOT use and extension lead between the mains and the battery charger.
- x DO NOT insert foreign objects or material into the hole reserved for the battery.
- x DO NOT recharge a second battery immediately after charging a battery. Consecutive charging will overheat the charger. Allow the unit to cool for 15 minutes before charging the next battery.
- x DO NOT attempt to connect two chargers together.
- ✓ Store the charger in the same manner as battery in 1.2.

**2. SPECIFICATIONS**

<p><b>Model: CP9812VHK</b></p> <p>Chuck size .....10mm          Motor .....12V          No load speed .....0-550RPM          Max torque hard wood ....120kg/cm          Full charge time .....1 hour</p> <ol style="list-style-type: none"> <li>1. Keyless chuck</li> <li>2. Electronic variable speed switch</li> <li>3. Lock, reverse and forward switch</li> <li>4. 12V Battery power pack</li> <li>5. 4 step torque control &amp; 1 hammer</li> <li>6. Battery release button (one each side) Battery charger (not illustrated)</li> </ol>
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<p><b>Model: CP9818VHK</b></p> <p>Chuck size .....13mm          Motor .....18V          No load speed .....0-650RPM          Max torque hard wood ....170kg/cm          Full charge time .....1 hour</p> <ol style="list-style-type: none"> <li>1. Keyless chuck</li> <li>2. Electronic variable speed switch</li> <li>3. Lock, reverse and forward switch</li> <li>4. 18V Battery power pack</li> <li>5. 4 step torque control &amp; 1 hammer</li> <li>6. Battery release button (one each side) Battery charger (not illustrated)</li> </ol>
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fig 1



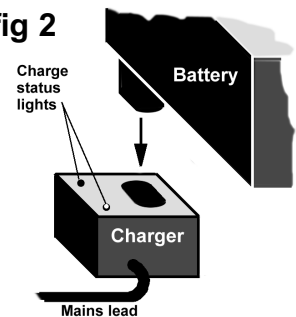
**3. OPERATING INSTRUCTIONS**

Note: When new, the battery will have been shipped in a low charge mode. It will take longer to charge the battery initially, and several subsequent charges may also take a little longer than when the battery reaches its optimum performance.

**3.1. CHARGING THE BATTERY PACK.**

- 3.1.1. To remove the battery pack from the drill, depress the two side release clips (fig 1 item 6).  
❑ **WARNING!** Do not touch the metal terminals.
- 3.1.2. Place drill carefully back into its carrying case and remove the battery charger.
- 3.1.3. Insert the mains power lead into the power socket in the side of the battery charger, and stand on a safe flat surface, DO NOT connect to the mains at this point.
- 3.1.4. The battery and charger have the positive + and negative - terminals marked. Align the correct terminals and insert the battery (fig 2). *Note: the battery is designed so that it will only enter the charger unit the correct way.* When placed in the charger, a very slight downward pressure will seat the battery firmly into the power terminals (if you are not able to do this you may be trying to insert the battery the wrong way around. Remove the battery, turn it around, and try again).
- 3.1.5. When securely in place, plug into mains power and switch on. The red power light will glow indicating that the charge cycle has started.
- 3.1.6. The red indicator (battery charger) light will remain on until the unit has been fully charged. When complete the red light will go out and the green light will go on. Under normal conditions the battery will take up to 1 hour to fully charge.
- 3.1.7. When the red light has gone out, unplug the charger from the mains power and remove the battery ready for use with the drill.
- 3.1.8. Place the charger and mains lead safely back into the carry case. Insert the battery into the drill ready for use.  
Note: If you try to charge a battery that has been removed from a recently used drill the red charge light may not come on. In such a case allow the battery to cool for a time and try again.

fig 2



**3.2. THE DRILL COMPONENTS. (Ensure you have read and understood and comply with all the safety instructions)**

**⚠ WARNING!** always wear approved safety glasses when drilling.

3.2.1. Open the chuck by holding the rear collar (fig 4 item B) and turn the front chuck collar (fig 4 item A see direction arrow on chuck).

3.2.2. Insert the required bit into the full length of the chuck and tighten.

3.2.3. Check the drill to ensure the direction switch (fig 1 item 3) is in the mid (lock) position.

3.2.4. Press the chuck direction switch in from the left (as you view drill from front fig 3) for clockwise direction, and press in from the right for anti-clockwise direction.

3.2.5. The speed of the drill is controlled by the electronic variable speed switch (fig 4 item C) press the switch gently for a slow speed progressively increasing the pressure on the switch to produce a corresponding higher speed.

**3.2.6. Torque setting (fig 4. D)**

The torque is the amount of resistance applied when you use the drill as a screw driver or when tightening nuts and bolts. Torque setting 1 is the lightest setting and will apply the least resistance to the final turns of a screw, etc. The torque becomes progressively more powerful as you increase the number up to a maximum of torque 4.

The combination of variable speed and changeable torque will assist you to perform drilling tasks with maximum efficiency.

**3.2.7. As a screw or bolt driver.**

Lock appropriate tool bit in the chuck. Select the shortest length bit possible to ensure greater control.

You may first need to drill a small pilot hole to ease the path of the screw, especially in hard woods.

Set a low torque and proceed with the task gradually increasing the torque if necessary.

To remove screws, bolts, etc, press switch (fig 3) to left for reverse.

When you have finished working, remove the bit from the chuck, clean drill and bit and store in the carry case.

**3.2.8. Hammer drilling.**

The hammer action accompanied with a masonry drill bit is used to assist penetration into concrete, stone and masonry. To use the drill's hammer function turn the torque setting dial to the hammer

symbol (fig 4. E). To disengage the hammer function turn the switch back to the appropriate

torque setting. *Note: DO NOT shift to the hammer symbol when the drill is running as this may damage the machine.*

**3.3. THE DRILLING OPERATION**

**⚠ WARNING!** Ensure that you have read and understood chapter 1 safety instructions before using the drill.

3.3.1. If the material to be drilled is free standing it should be secured in a vice or with clamps to keep it from turning as the drill bit rotates.

3.3.2. When drilling metals, use a light oil on the drill bit to keep it from overheating. Oil will prolong life of bit and improve the drilling action.

3.3.3. For hard smooth surfaces use a centre punch to mark desired hole location. This will prevent bit from slipping as your start to drill.

3.3.4. A pilot hole may be necessary to assist the final drill size through the work piece.

Lock a pilot drill (smaller size drill than the finished hole size) into the chuck. Follow steps 3.3.5 to 3.3.9. below and drill a pilot hole in the middle of the centre punch mark where final hole is to be drilled. Insert the final sized bit. Hold drill firmly and place the bit at the entrance of the pilot hole and depress the trigger.

3.3.5. Plug drill into mains power supply.

3.3.6. Hold tool firmly and place the bit tip to the point to be drilled.

3.3.7. Depress the trigger to start drill. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting.

DO NOT force or apply side pressure to elongate the hole.

3.3.8. Regularly withdraw the drill bit from the hole in order to clear waste materials.

3.3.9. Ease the pressure of drilling when a drill is about to break through to the other side of a workpiece.

**⚠ WARNING!** be prepared for drill binding or break through. When these situations occur the drill has a tendency to grab and kick in the opposite direction and could cause loss of control. If you are not prepared, this loss of control can result in possible damage and personal injury.

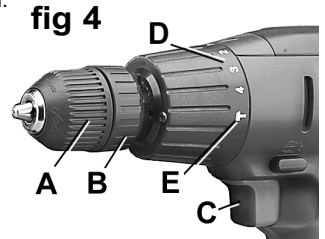
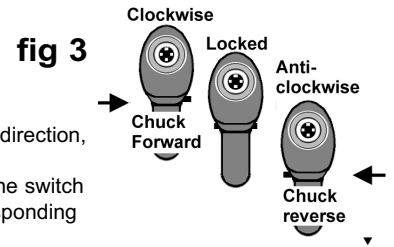
3.3.10. If the bit jams in the work piece or if the drill stalls, release the trigger switch immediately. Place the drill in reverse to assist release of the bit.

3.3.11. After working for lengthy period of time, allow the drill to run for approximately 3 minutes with no load at highest speed.

**3.4. WORK COMPLETE.**

**⚠ WARNING!** drill bits become very hot during use. Allow to cool or hold with a cloth for removal.

When you have finished working, unplug from the mains power supply, remove the bit from the chuck, clean drill, clean and if necessary sharpen the tool bit and store in a safe dry childproof area.



**4. MAINTENANCE.**

**4.1. Cleaning**

Keep the drill ventilation slots clean and free from obstructions. If available blow compressed air into the vents to clear any internal dust (safety goggles must be worn when undertaking this process). Keep the outer case of the drill clean and free from grease.

DO NOT wash with water or use solvents or abrasives.

**4.2. Brushes**

Brush must be changed by an authorised Sealey service agent.

**Declaration of Conformity**

We, the sole importer into the UK, declare that the products listed here are in conformity with the following EEC standards and directives

**Battery Charger**  
Models: CB9812/VHK & CP9818/VHK  
73.23/EEC  
Low Voltage Directive (S.I. 1994/3260)



The construction file for these products are held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd

Signed by Mark Sweetman

20th August 1999

For Jack Sealey Ltd.  
Sole importer into the UK  
of Sealey Power Products

**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 product. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



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