

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 AND/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 battery pack 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. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Ensure the drill is switched off before installing the battery pack.
- ✓ Keep the drill, battery pack and charger clean for best and safest performance.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Evaluate your work 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 locked in place before attempting to switch drill on.
- ✓ Secure non-stable workpiece with a clamp, vice or other adequate holding device. **DO NOT** hold workpiece 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 work 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 and/or personal injury.
- x **DO NOT** leave the drill operating unattended.
- x **DO NOT** carry the drill with your finger on the power switch. Keep chuck direction switch in the locked position.
- x **DO NOT** use the drill for a task which it is not designed to perform.
- x **DO NOT** operate the drill when you are tired or 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 the case and store in a safe, dry, childproof area where the temperature will not exceed 104°F (40°C).



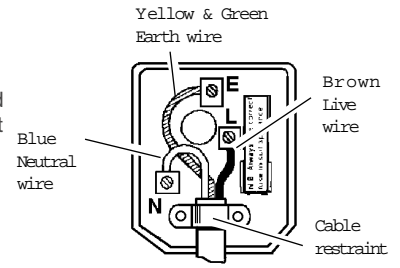
1.2. BATTERY SAFETY INSTRUCTIONS

- 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 pack prior to first use. The battery pack will have been shipped in a low charge state.
- ✓ Use only the provided charger to charge the battery pack.
- x **DO NOT** charge battery pack when the room temperature is below 50°F (10°C) or above 104°F (40°C).
- x **DO NOT** attempt to recharge the battery pack 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 pack (or 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 action immediately:
 - a) **Skin contact:** Wash immediately with soap and water, then wash 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 with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a qualified 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 business premises, to be tested by a qualified person, using a Portable Appliance Tester (PAT), at least once a year.
- 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 for wear and damage and connections to ensure that none is 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 charger by the power supply lead.
- 1.3.8. **DO NOT** pull plugs from sockets by the cable.
- 1.3.9. **DO NOT** use worn or damage leads, plugs or connections. Immediately replace or have repaired by a qualified person. 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). Ensure the unit is correctly earthed via a three-pin plug.



- a) Connect the Green/Yellow earth wire to the earth terminal 'E'.
- b) Connect the Brown live wire to live terminal 'L'.
- c) Connect the Blue neutral wire to the neutral terminal 'N'.
- d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends past the cable restraint and that the cable restraint is tight.

FUSE RATING
THE PLUG FITTED TO THE CHARGER HAS A 3 AMP FUSE

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 and/or personal injury and will invalidate your warranty.
- x **DO NOT** insert foreign objects or material into the hole reserved for the battery.
- x **DO NOT** immediately recharge a second battery. Consecutive charging will overheat the charger. Allow the unit to cool for 15 minutes before charging the next battery.
- ✓ Store the charger in the same manner as the battery pack (see Section 1.2).

2. SPECIFICATION & FEATURES

Chuck size13mm
 Motor24V
 No load speeds . . .0 - 360 & 0 -1100rpm
 Max. torque400 & 160kg.cm
 Impact rate . . .0 - 5790 & 0 - 17600bpm
 Battery pack capacity2Ah
 Full charge time1 hour

- 1. Keyless chuck with lock
- 2. 8 step torque control + drill & hammer
- 3. Speed range switch
- 4. Battery charge level LCD
- 5. Spirit level
- 6. Lock, forward and reverse switch
- 7. Electronic variable speed trigger
- 8. Battery locking slider
- 9. Battery release button
- 10. 24V 2Ah battery pack
- 11. Front handle
- Drill depth gauge & Battery charger (not shown)



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 (fig.1.10) from the drill - slide the lock (fig.1.8) to 'Unlock' and then press and hold the release button (fig.1.9) while withdrawing battery pack. Front handle (fig.1.11) may have to be removed/repositioned to allow battery pack removal.

Note: Do not touch the battery pack terminals.

- 3.1.2. Place drill back into its carrying case and remove the battery charger.
- 3.1.3. 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 fit 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.
- 3.1.4. When securely in place, plug charger into mains power and switch on. The red light will glow indicating that the charge cycle has started.
- 3.1.5. The red indicator (battery charging) will remain on until the battery has been fully charged. When the battery is fully charged 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.
- 3.1.6. When the green light comes on, unplug the charger and remove the battery.
- 3.1.7. Place the charger back into the carry case. Insert the battery into the drill ready for use. Ensure that the top of the battery is engaged in the guides on the drill before pushing fully home. **DO NOT** force. Engage lock (fig.1.8).
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 then try again.

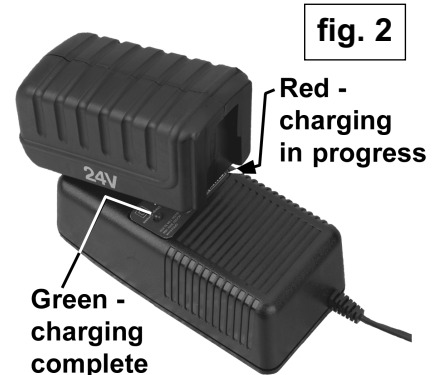


fig. 2

3.2. USING THE DRILL (Ensure you read, understand and comply with Section 1 safety instructions)

⚠ WARNING! Always wear approved safety glasses when drilling.

- 3.2.1. Check the drill to ensure the direction switch (fig.1.6), immediately above the trigger (fig.1.7), is in the mid (locked) position.
- 3.2.2. Open the chuck by holding the rear collar (fig.3.C) and turning the front chuck collar (fig.3.D), see direction arrow on chuck.
- 3.2.3. Insert the required bit into the chuck and tighten front collar until locking 'click' is felt and heard.
- 3.2.4. Press the direction switch (fig.1.6) to the left for clockwise rotation or to the right for anti-clockwise rotation.
- 3.2.5. Select high or low speed range (fig.1.3), to suit the work.

Note: Operate direction switch and speed range switch ONLY when the drill chuck is stationary, otherwise gearbox may be damaged.

- 3.2.6. The speed of the drill is controlled by the variable speed trigger (fig.1.7). Squeeze gently for slow speed and progressively increase the pressure on the trigger to produce correspondingly higher speeds.

3.2.7. Torque setting

The torque is the amount of turning effort applied by the drill. When using the drill as a screw driver or when tightening nuts and bolts the torque can be set. Torque setting '1' on the collar (fig.3.B) is the lowest setting and will apply the least effort to the final turns of a screw, etc. The torque becomes progressively greater up to the maximum setting of '8'. Note that with the torque setting collar in the 'Drill' or 'Hammer' positions the clutch is locked and full torque is applied to the bit. Align the required setting with the pointer (fig.3.A) on the housing.

3.2.8. Screw driving

Lock appropriate tool bit in the chuck. Select the shortest length bit possible to ensure greatest control. You may first need to drill a small pilot hole to ease the path of the screw, especially in hard materials. Set a low torque and proceed with the task, gradually increasing the torque if necessary.

To remove screws, bolts, etc, push direction switch to the right for reverse.

When you have finished working, remove the bit from the chuck, clean drill and bit and store in the carry case with the direction switch in the mid (locked) position.

3.2.9. Hammer drilling

The hammer action, with a masonry drill bit, is used to assist penetration into concrete, stone and masonry. To use the hammer function turn the torque setting collar (fig.3.B) to the hammer symbol.

Note: DO NOT shift to the 'Hammer' when the drill is running as this may damage the machine.

⚠ WARNING! DO NOT use the hammer function with non-masonry bits as these may shatter, risking damage and/or injury.

3.2.10. Additional features

The front handle (fig.1.11) provides control of the drill in use. Loosen clamp screw (fig.3.F) and slide handle over front of housing in the angular position best suited to the work. Firmly tighten the clamp screw.

The depth gauge (fig.3.E) gives accurate and repeatable control over drilling depth. In order to fit, and subsequently to adjust, the gauge rod it is necessary to loosen the front handle clamp screw (fig.3.F). When the rod position is correct, firmly tighten the clamp screw.

The spirit level (fig.1.5) aids accurate drilling and the LCD (fig. 1.4) shows the battery charge status when the black button is pressed.

3.3. DRILLING

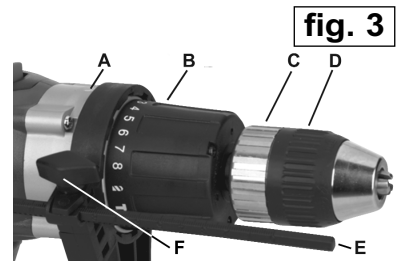
⚠ WARNING! Ensure that you read and understand Section 1 safety instructions before using the drill.

- 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 the life of the bit and improve the drilling action.
- 3.3.3. For hard, smooth surfaces use a centre punch to mark the hole location. This will prevent the 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 workpiece. Lock a pilot drill (smaller size drill than the finished hole size) into the chuck. Follow steps 3.3.5 to 3.3.8. below and drill a pilot hole in the middle of the centre punch mark where the final hole is to be drilled. Insert the final sized bit. Hold drill firmly, place the bit at the entrance of the pilot hole and drill.
- 3.3.5. Hold tool firmly and place the bit tip at the point to be drilled.
- 3.3.6. Depress the trigger to start drill. Move the drill bit into the workpiece applying only enough pressure to keep the bit cutting. **DO NOT** force the drill bit or apply side pressure to elongate the hole.
- 3.3.7. Regularly withdraw the drill bit from the hole in order to clear waste material.
- 3.3.8. Ease the pressure of drilling when the drill is about to break-through the far side of the workpiece.
- ⚠ **WARNING! Be prepared for drill binding or break-through. When these situations occur the drill bit may 'grab' and the drill will kick in the opposite direction and could cause loss of control. If you are not prepared, this loss of control can result in damage and/or personal injury.**
- 3.3.9. If the bit jams in the workpiece or if the drill stalls, release the trigger switch immediately. Operate the drill in reverse to assist release of the bit.
- 3.3.10. After working for lengthy periods of time, allow the drill to run for approximately 3 minutes with no load, at highest speed, to cool.

3.4. WORK COMPLETE

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

- 3.4.1. When you have finished working, remove bit from chuck, clean drill, clean, and if necessary sharpen, bit and store in a safe, dry, childproof area.
- 3.4.2. **Cleaning** - Keep drill ventilation slots clean and free from obstruction. If available, blow compressed air into the vents to clear any internal dust (safety goggles must be worn). Keep the outer case of the drill clean but **DO NOT** wash with water or use solvents or abrasives.



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

24V Cordless Hammer Drill & Battery Charger
Model: CP2024VHK
73/23/EEC L V Directive
89/336/EEC EMC Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

Date 26th April 2001

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

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 responsibility is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your name and address, including post code.



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