

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, 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.**

## 1. SAFETY INSTRUCTIONS

### 1.1 GENERAL SAFETY

- ✓ Follow all workshop safety rules, regulations and conditions when using the wrench.
- ✓ Remove the battery pack from the wrench before servicing or performing any maintenance.
- ✓ Maintain the wrench and battery pack in good condition. Check moving parts for 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 wrench is 'locked' before installing the battery pack.
- ✓ Keep the wrench, battery pack and charger clean for optimum performance.
- ✓ Keep the work area clean and tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ Ensure that battery pack is correctly inserted into the wrench handle and latched in place before operating wrench.
- ☐ **WARNING!** When working around vehicle brake systems we recommend that you wear suitable respiratory protection due to the possible presence of asbestos dust from brake linings.
- ✓ Use only impact sockets which are specifically designed for use with an impact wrench.
- ✓ Avoid unintentional starting.
- ✓ Wear approved safety eye/face shield, ear defenders and hand protection.
- ✓ Remove ill-fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- x DO NOT operate the wrench if any parts are missing as this may cause failure and/or personal injury.
- x DO NOT use the wrench unless you have been instructed in its use by a qualified person.
- x DO NOT operate the wrench where there are solvent fumes or flammable gases, liquids or solids.
- x DO NOT leave the wrench operating unattended.
- x DO NOT carry wrench with your finger on the trigger. Keep direction switch in 'locked' position when not in use.
- x DO NOT use the wrench for a task it is not designed to perform.
- x DO NOT operate the wrench when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x DO NOT get the wrench or battery charger wet or use in damp or wet locations.
- ✓ Keep wrench and charger in the case and store in a safe, dry, childproof area where the temperature will not exceed 40°C (104°F).



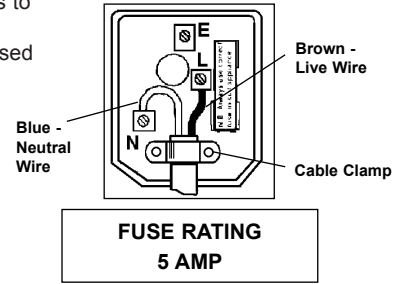
### 1.2 BATTERY SAFETY INSTRUCTIONS

- ☐ **WARNING!** The battery pack contains nickel-cadmium, which is dangerous. It must therefore be handled with care.
- ✓ Charge the battery pack prior to first use. The battery pack will have been shipped in a low charge state.
- ✓ Use only the charger provided to charge the battery pack.
- x DO NOT charge the battery pack when room temperature is below 10°C (50°F) or above 40°C (104°F).
- x DO NOT attempt recharging the pack by means of an engine generator or a DC power source.
- x DO NOT short-circuit the battery pack by touching both terminals at the same time with a metal object, or your fingers etc.
- x DO NOT store battery pack (or wrench) in locations where the temperature may exceed 40°C (104°F) e.g. in outside sheds, above heaters etc.
- ☐ **WARNING!** Dispose of spent battery pack correctly as it contains 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 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 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 responsibility of the owner and the operator to read, understand and comply with the following:
  - You must** check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) be used. It is particularly important to use an RCD with portable products that are plugged into a supply that is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey 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 electrician, 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 those appliances and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.3.3 Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.3.1 and 1.3.2 and use a Portable Appliance Tester.
- 1.3.4 Ensure that cables are always protected against short circuit and overload.

- 1.3.5 Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure none is loose.
- 1.3.6 **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.3.7 DO NOT pull or carry the appliance by the power cable.
- 1.3.8 DO NOT pull the plug from the socket by the cable.
- 1.3.9 DO NOT use worn or damage cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When an ASTA/BS approved UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely.**



Ensure that the double insulated charger is correctly connected via a three-pin plug, as follows:

- a) Connect the Brown live wire to live terminal 'L'.
- b) Connect the Blue neutral wire to the neutral terminal 'N'.
- c) 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 clamp and that the clamp is tight. **Note that the earth pin 'E' remains unconnected.**

1.3.10 If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm<sup>2</sup>, but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable. If extension reel is to be used outdoors, ensure it is marked for outdoor use.

#### 1.4 BATTERY CHARGER SAFETY INSTRUCTIONS

- ❑ **WARNING! DO NOT attempt to charge any battery other than that supplied for the wrench. 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 supply when not in use.
- x DO NOT charge battery if room temperature is below 10°C (50°F) or above 40°C (104°F).
- 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 the charger to an authorised agent for repair or obtain a replacement.
- x DO NOT dismantle the charger as this may cause damage and/or personal injury and will invalidate the warranty.
- x DO NOT insert foreign objects or material into the hole reserved for the battery pack.
- x DO NOT recharge a second battery pack immediately after charging the first. Consecutive charging will overheat the charger. Allow the unit to cool for 15 minutes before charging the next pack.
- x DO NOT attempt to connect two chargers together.
- ✓ Store the charger in the same manner as the battery pack in 1.2.

## 2. INTRODUCTION & SPECIFICATION

Powerful, compact, cordless impact wrench with forward, reverse and trigger lock control integrated into housing for ease of use. Superbly balanced tool with side handle and vibration reducing grip. Suitable for workshop applications. Includes 1 x 24Volt Ni-Cd battery pack and 1-hour mains charger.

No-Load Speed	.....2000rpm
Impact Rate	.....2600bmp
Maximum Torque	.....290lb.ft / 4010kg.cm
Drive Size	.....1/2" Sq
Weight	.....3.3kg
Battery Pack	.....24V, Model No: CP2400BP

fig. 1



## 3. OPERATING INSTRUCTIONS

**Note:** When new, the battery pack will have been shipped in a low charge state. It will take longer to charge initially, and several subsequent charges may also take a little longer than when the battery pack reaches its optimum performance. Remove battery pack from case and charge as below:

### 3.1 CHARGING THE BATTERY PACK

3.1.1 Remove the battery pack (fig. 1.5) from wrench, by depressing the two side release clips (fig. 1.4).

❑ **WARNING! Do not touch metal terminals.**

3.1.2 Place wrench in carry case and remove the battery charger.

3.1.3 The battery pack and charger have the positive (+) and negative (-) terminals marked. Align the correct terminals and insert the battery into slot (fig. 2).

*Note: The battery pack 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 pack firmly into the power terminals.

3.1.4 Switch on main supply to charger and the Green LED (fig. 2) will light. Press "SET" to begin charging and the Red LED will light.

3.1.5 When the fast charge is complete the red LED will go out and the green LED will light to indicate trickle charging. The battery pack is now ready for use.

**NOTE:** The charge time is approximately 1 hour.

3.1.6 After removing the battery, disconnect the charger from the mains supply and store in the carry case.

fig. 2



**WARNING! Ensure you read, understand and apply safety instructions before use.**

### 3.2 USING THE WRENCH

- 3.2.1 Use only impact sockets which are specifically designed for use with an impact wrench. The use of normal chrome vanadium sockets is dangerous since these are more brittle and are liable to shatter.
- 3.2.2 Fit the socket to the wrench by snapping it onto the square drive (fig 1.1).
- 3.2.3 Fit the battery pack to the wrench by aligning the tongue on the battery with the groove in the housing and slide into place. Ensure that the battery pack is firmly located, you will hear an audible click when it has locked into position.
- 3.2.4 Select the required direction of rotation. To change direction, push switch (fig. 1.3) to the left or right. Familiarise yourself with this operation before use. DO NOT attempt to change the direction of rotation whilst trigger (fig. 1.6) is depressed. When the wrench is not in use, use the same switch to lock off the trigger by placing the switch in the middle position.
- 3.2.5 When tightening, release the trigger as soon as the impact sound is heard. Take care not to over-torque small fixings.

**Note: On critical fixings always check the torque with a torque wrench according to the product or vehicle manufacturer's guidelines.**

## 4. MAINTENANCE

### 4.1 CLEANING

Keep the outer case of the wrench clean and free from grease. DO NOT wash with water or use solvents or abrasives. Use a damp cloth. For any other service or maintenance, contact your authorised service agent.

### 4.2 LUBRICATION

If the wrench has not been used for some time, remove the lubrication screw (fig. 1.2) and inject grease into the impact mechanism.

## Risk of Hand Arm Vibration Injury.

**Cordless Impact Wrench: CP2400** when operated in accordance with these instructions and tested in accordance with EN 28662-1: 1993 results in the following vibration emission declared in accordance with BS EN12096: 1996.

Measured vibration emission value: **1.67m/s<sup>2</sup>**

Uncertainty: **0.67m/s<sup>2</sup>**

**These values are suitable for comparison with emission levels of other tools that have been subject to the same test.**

**This tool may cause hand-arm vibration syndrome if its use is inadequately managed.**

### Recommended Measures to reduce risk of hand-arm vibration syndrome:

This item represents a low Hand Arm Vibration risk to users. The calculated maximum usage period exceeds **8** hours. We recommend appropriate safety equipment is utilised and regular breaks for the operator are employed to reduce any residual risk of fatigue or repetitive strain injury.

## Environmental Protection.



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



When the product is no longer required, it must be disposed of in an environmentally protective way.



Rechargeable battery contains nickel cadmium (NiCad). It is recyclable. Take to your local recycling centre to be disposed of properly. Do not incinerate NiCad battery as it may explode when exposed to fire. Do not attempt to open battery pack.

**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 equipment. **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 full name and address, including postcode.

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

**IMPACT WRENCH & BATTERY CHARGER**  
Model: CP2400 & CP2400

93/68/EEC CE Marking Directive  
73/23/EEC Low Voltage Directive  
89/336/EEC EMC Directive  
89/392/ Machinery Directive



The construction files for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Tim Thompson

1st October 2006

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



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