



INSTRUCTIONS FOR: 12 VOLT IMPACT WRENCH Model No: DC13

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 OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Disconnect the wrench from the vehicle battery power before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the wrench in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Non-authorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the wrench clean for best and safest performance and regularly check moving parts for alignment.
- ✓ If the vehicle cigarette lighter outlet is rated less than 10 amps, connect the wrench direct to the vehicle battery with the clips provided having first ensured that the battery is 12 volt.
- ✓ Avoid contact with battery acid.
- ✓ Ensure the hand brake is on and that the vehicle will not move during work.
- ✓ For best results, it is recommended to keep the vehicle engine running during use. This step will also avoid draining the battery. Ensure vehicle emissions are extracted in accordance with Health and Safety regulations.
- ✓ Ensure the wrench forward/reverse switch on the back of the tool is set in the correct position before commencing work.
- ▲ **IMPORTANT!** If wrench battery clips are cross-connected to battery, the wrench will operate in the opposite direction to switch setting.
- ✓ Wear approved safety eye protection (standard spectacles are not adequate).
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery and contain long hair.
- ✓ Locate wrench in a suitable working area, keep area clean and tidy and free from unrelated materials. Ensure there is adequate lighting.
- ✓ Account for all tools and parts used when you have finished working on a vehicle.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Avoid unintentional operation of the wrench.
- x **DO NOT** use the wrench for a task it was not designed to perform.
- x **DO NOT** modify or alter the product in any way. Be sure to use only original spare parts and accessories.
- x **DO NOT** allow smoking or a naked flame anywhere near the vehicle battery.
- x **DO NOT** allow untrained persons to operate the wrench.
- x **DO NOT** get the wrench wet or use in damp or wet locations or areas where there is condensation.
- x **DO NOT** operate the wrench if damaged.
- x **DO NOT** carry the wrench with your finger on the power switch.
- x **DO NOT** operate the wrench when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** allow more than 8 further impacts after the nut or bolt appears tight. **DO NOT** overtighten the nut or bolt.
- x **DO NOT** pull the power cord from the battery or cigarette lighter outlet.
- ✓ When not in use disconnect from the battery and store in a safe, dry, childproof area.

2. INTRODUCTION & CONTENT

This 1/2" sq. drive 12 volt DC tool uses inertial hammer action to develop a loosening torque of 250lb.ft., enough to loosen most wheel nuts/bolts, and a tightening torque of 150lb.ft. Four metres of cable with cigarette lighter plug and battery clip adaptor allows easy access to all four wheels from the engine-bay or dash-board. Features impact resistant casing with powerful LED light for night use and minimal power draw. 5 impact grade sockets with Duometric socket coverage of 7 sizes are supplied. (Not intended for continuous professional use).

Kit comprises: ✓ 12V Impact Wrench, cable and lighter plug. ✓ 5 Sockets: 17mm, 19mm(3/4"), 13/16", 21mm, 7/8"(22mm).
✓ Battery Clamps. ✓ Compact Storage Case.

3. OPERATING INSTRUCTIONS

Before removing a vehicle wheel ensure the vehicle handbrake is fully engaged. Jack the vehicle according to the manufacturer's recommendations and the jacking tool instructions. Once the vehicle is safely raised proceed to use the wrench as follows, ensuring all the safety instructions of Section 1 are followed.

3.1. Powering wrench through cigarette lighter socket.

- 3.1.1. Ensure the lighter rating is 12 volts and 10 amps or greater. If under 10 amps connect wrench directly to vehicle battery (see 3.2.). The ignition may have to be 'On' to energise the lighter socket.

3.2. Powering wrench directly from battery.

- 3.2.1. Ensure the battery is rated at 12 volts.
- 3.2.2. Using battery clip adaptor connect the red clip to the positive terminal of the battery and the black clip to the negative terminal.
Note: if terminal connections are crossed wrench will operate in the opposite direction to that set by the forward/reverse switch.

3.3. Loosen nut or bolt.

- 3.3.1. Select the appropriate impact socket for nut or bolt to be loosened.
- 3.3.2. Fit the socket to the impact wrench drive.
- 3.3.3. Set the forward/reverse switch at the rear of the wrench to the "R" (reverse) mode.
- 3.3.4. Place the socket over the wheel nut/bolt to be removed and hold the wrench firmly, ensuring that it will not slip from your hands.
- 3.3.5. Depress wrench trigger and hold. There will be a delay of about 10 seconds at the start whilst the wrench builds up torque, after which the wrench will impact the nut/bolt. The wrench will continue to stop and start until the nut is loose (this may take up to one minute). Do not operate the wrench for longer than 10 minutes at one time.

3.4. Tighten nut or bolt.

- 3.4.1. Set the forward/reverse switch at the rear of the wrench to the "F" (forward) mode.
- 3.4.2. Fit and finger tighten the wheel nut/bolt. Place the appropriate socket over the nut/bolt.
- 3.4.3. Depress wrench trigger and hold. The wrench will begin to tighten the nut, then stop whilst it builds torque and then impact the nut/bolt until it is tight. Once tight continue to depress the trigger for approximately 5 further impacts.
DO NOT exceed 8 impacts as this will overtighten the nut/bolt. Do not operate the wrench for longer than 10 minutes at one time.
- 3.4.4. A torque wrench must be used to check the final tightness, nuts/bolts must be tightened according to the vehicle manufacturer's specification.

4. TROUBLESHOOTING

THE PROBLEM	THE CAUSE	THE SOLUTION
No power from the cigarette lighter outlet	1. Lighter fuse blown 2. Wrench adaptor fuse blown 3. Wrench adaptor wire loose	1. Change fuse 2. Turn the top of the adaptor plug anti-clockwise to change fuse. 3. Turn the bottom of adaptor anti-clockwise to check wires.
No, or low, power from vehicle battery.	1. As 2 & 3 above 2. Poor connection.	1. As 2 & 3 above. 2. Check adaptor/clamps for good connections. Remove any corrosion from the battery terminals.

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

**12 Volt Impact Wrench
Model DC13**

73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive
98/37/EC Machinery Directive
93/68/EEC CE Marking Directive



The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

Signed by Mark Sweetman

Date 10th December 1999

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 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 call us on 01284 757525 and leave your name and address, including postcode.



Sole UK Distributor
Sealey Group,
Bury St. Edmunds, Suffolk.



www.sealey.co.uk



01284 757500



01284 703534



email sales@sealey.co.uk