



INSTRUCTIONS FOR: TWIN HAMMER 1/2" AIR IMPACT WRENCH

MODEL: SA602.V3

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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from air supply before changing accessories or servicing.
- Maintain the wrench in good condition and replace any damaged or worn parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
- Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- Only use impact sockets which are specifically designed for use with an impact wrench.
- Wear approved safety eye/face shield, ear defenders, and hand protection.
- WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend you wear suitable respiratory protection
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- When not in use disconnect from air supply and store in a safe, dry, childproof location.
- Keep children and non essential persons away from the working area.
- DO NOT** use the wrench for a task it is not designed to perform.
- WARNING! DO NOT** use wrench if damaged or thought to be faulty. (Contact Service Agent).
- DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- DO NOT** carry the wrench by the air hose, or yank the hose from the air supply.
- DO NOT** operate wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- DO NOT** carry wrench with your hand on the power trigger, in order to avoid unintentional starting.
- DO NOT** direct air from the air hose at yourself or others.
- DO NOT** use worn or damaged sockets.

Risk of Hand Arm Vibration Injury

1/2" Air Impact Wrench Model: SA602.V3 when operated in accordance with these instructions and tested in accordance with EN 28662-1: 1994 results in the following vibration emission and vibration declared in accordance with BS EN12096: 1996.

Vibration 1.2 m/s²

Uncertainty 0.48%

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 minimum 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.

2. INTRODUCTION & SPECIFICATION

Powerful 1/2" impact wrench with twin hammer mechanism and pressure feed lubrication system. Air motor features quality bearings, ductile steel end plates and carefully finished components to ensure smooth running and maximum power. Combination forward/reverse and speed selector. Suitable for heavy tyre shop use.

Drive size	1/2" Sq	Air inlet	1/4" BSP
Working/Max torque	400/480lb.ft	Weight	2.6kg
Ultimate torque500lb.ft	Vibration	1.2m/s ²
Air consumption4.2cfm	Sound power93dB(A)
Operating pressure90psi	Sound pressure	103dB(A)

3. PREPARING WRENCH FOR USE

3.1 Air Supply

- 3.1.1 Recommended hook-up procedure is shown in fig. 1.
- 3.1.2 Ensure wrench air valve, or trigger, is in the OFF position before connecting it to air supply.
- 3.1.3 You will require an air pressure of 90psi, and an air flow according to specification.
- WARNING!** Ensure the air supply is clean and does not exceed 90psi whilst operating the wrench. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous, causing damage and/or personal injury.
- 3.1.4 Drain the air tank daily. Water in the air line will damage the wrench.
- 3.1.5 Clean the air inlet filter weekly.
- 3.1.6 Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 3.1.7 Keep the hose away from heat, oil and sharp edges. Check the hose for wear and make certain that all connections are secure.

3.2 Couplings

- 3.2.1 Vibration may cause failure if a quick change coupling is connected directly to the wrench. To overcome this, connect a leader hose to the wrench. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. Refer to figs. 1 and 2.

fig 1

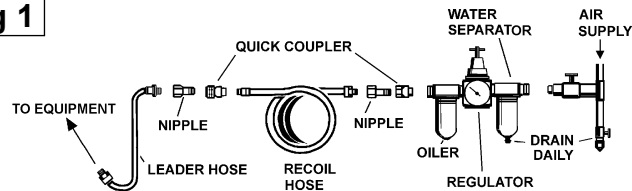
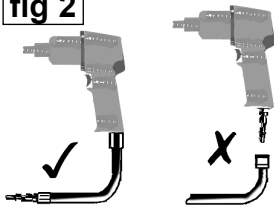


fig 2



4. OPERATING INSTRUCTIONS

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

NOTE: Only use impact sockets which are specifically designed for use with a impact wrench.

- 4.1 Connect the wrench to the air hose as in section 3.
- 4.2 Place the socket over the subject nut and depress the trigger to operate the wrench.
- 4.3 To change direction push the button at the rear of the head assembly.
- 4.4 The flow of air may be regulated by turning the same button.
DO NOT use any additional force upon the wrench in order to remove a nut.
DO NOT allow wrench to free run for an extended period as this will shorten its life.

5. MAINTENANCE

- WARNING!** Disconnect the wrench from the air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 5.1 If the air system does not have an oiler, lubricate the air wrench daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 5.2 The gearbox can be lubricated by greasing via the nipple on the rear of the wrench head.
- 5.3 Clean the wrench after use.
- 5.4 Loss of power or erratic action may be due to the following:
 - 5.4.1 Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy, check the air supply and follow the instructions in chapter 3.
 - 5.4.2 Grit or gum deposits in the wrench may also reduce the performance. If your model has an air strainer located in the area of the air inlet, remove the strainer and clean it. Flush out the wrench with gum solvent oil, or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.
 - 5.4.3 For a full service contact your local Sealey service agent.
 - 5.4.4 When not in use, disconnect the wrench from the air supply, clean it and store it in a safe, dry, childproof location.

6. DECLARATION OF CONFORMITY

CE We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives. The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Air Impact Wrench
Model: SA602.V3
98/37/EC Machinery Directive
93/68/EEC Marking Directive

Signed by Tim Thompson  28th February 2006

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