



INSTRUCTIONS FOR:
3PC AIR TOOL KIT
 MODEL No: **SA2003KIT**

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 that Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from the air supply before changing drill bits/sockets, or servicing or performing any maintenance.
- ✓ Maintain the tools in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Use in a suitable work area. Keep area free from unrelated materials and ensure that there is adequate lighting.
- ✓ Before each use check condition of drill bit/socket. Sharpen drills if necessary. If worn or damaged replace immediately.
- ✓ Ensure that the speed rating (rpm) of the drill bit is the same as, or greater than, the speed rating of the drill.
- ✓ Evaluate the work area before using the drill. Ceilings, floors and enclosures may contain hidden electrical wiring, water pipes or gas pipes.
- WARNING!** Always wear approved eye (and/or face) and hand protection when operating these tools.
- ✓ Use face, dust, or respiratory protection in accordance with COSHH regulations.
- ✓ **Impact Wrench** - Use only impact sockets, since these are specifically designed for use with an impact wrench. Standard sockets may shatter.
- 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.
- ✓ Depending on the task, the tool noise level may exceed 84dB in which case wear safety ear defenders.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain and/or tie back long hair.
- ✓ Wear appropriate protective clothing and keep hands and body clear of working parts.
- ✓ Maintain correct balance and footing. **DO NOT** over reach, ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Check moving parts alignment on a regular basis.
- ✓ Ensure that the workpiece is secure before operating the tool. Never hold a workpiece by hand.
- ✓ Avoid unintentional starting.
- ✓ Remove chuck key before starting the drill.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 70-90psi.
- ✓ 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.
- ✓ Prolonged exposure to vibration from these tools poses a health risk. It is the owner's responsibility to correctly assess the potential hazard and issue guidelines for safe periods of use and offer suitable protective equipment.
- x **DO NOT** use tool for a task that it is not designed to perform.
- x **DO NOT** operate if any parts are damaged or missing as this may cause failure and/or personal injury.
- WARNING! DO NOT** drill materials containing asbestos.
- x **DO NOT** carry the tool by the hose, or yank the hose from the air supply.
- x **DO NOT** force, or apply heavy pressure to the drill - let the tool do the work.
- x **DO NOT** place air line attachments close to your face and do not point at other people or animals.
- x **DO NOT** operate tool when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** carry tool with your finger on the trigger.
- x **DO NOT** direct air from the air line at yourself or others.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.

2. INTRODUCTION

Comprises 1/2" air impact wrench, 1/2" air ratchet wrench, 3/8" reversible air drill, a set of 1/2" drive impact sockets - 9, 10, 11, 13, 14, 17 & 19mm, 1/4"M x 1/4"M BSP adaptor, in-line air oiler, air tool oil, chuck key and hex. key, all in a composite carry case. Suitable for workshop and body shop applications.

3. SPECIFICATIONS



SA2403
3/8" REVERSIBLE DRILL

Chuck 3/8"
 Free Speed 1800rpm
 Air Consumption 4cfm
 Operating Pressure 90psi
 Air Inlet 1/4"BSP
 Sound Power 102.55dBA
 Sound Pressure 91.55dBA
 Vibration Level 2.06m/s²
 Uncertainty 0.42m/s²
 Weight 0.9kg



SA2
1/2" IMPACT WRENCH

Drive 1/2"
 Working/Max Torque 230/270lb.ft
 Ultimate Torque 420lb.ft
 Air Consumption 4cfm
 Operating Pressure 90psi
 Air Inlet 1/4"BSP
 Sound Power 100.01dBA
 Sound Pressure 89.01dBA
 Vibration Level 5.67m/s²
 Uncertainty 0.64m/s²
 Weight 2.2kg



SA21/S.V2
1/2" RATCHET WRENCH

Drive 1/2"
 Max Torque 50lb.ft
 Air Consumption 4cfm
 Operating Pressure 90psi
 Air Inlet 1/4"BSP
 Sound Power 108.47dBA
 Sound Pressure 97.47dBA
 Vibration 6.56m/s²
 Uncertainty 0.69m/s²
 Weight 1.2kg

4. AIR SUPPLY

- ❑ **WARNING!** Ensure that the air supply is clean and does not exceed 90 psi while operating these tools. Too high an air pressure and/or unclean air will cause excessive wear and may be dangerous, causing damage and/or personal injury.
- 4.1. Ensure that the tool trigger is not depressed before connecting to the air supply.
- 4.2. You will require an air pressure of 90psi, and an air flow of 4cfm.
- 4.3. Drain the air tank daily. Water in the air line will damage the tools and invalidate your warranty.
- 4.4. Clean the compressor air inlet filter weekly. Recommended hook-up is shown in fig. 1.
- 4.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose bore should be 1/4" and fittings must have the same inside dimensions.
- 4.6. Keep hoses away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure.
- 4.7. Couplings - Vibration may cause failure of a quick change coupling that is connected directly to the air tool.
To overcome this, connect a leader hose - Sealey model number AH2R - to the tool. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See figs. 1 & 2.

fig.1

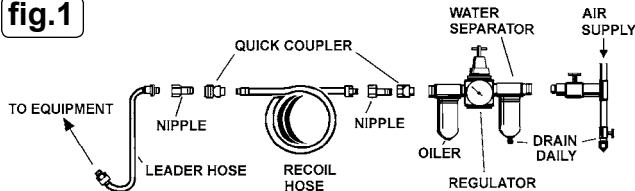
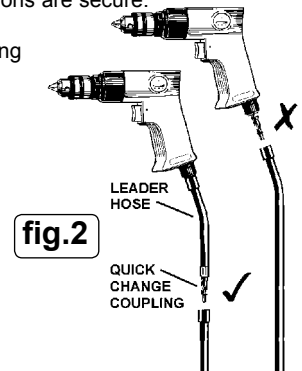


fig.2



5. OPERATION - DRILL

- ❑ **WARNING!** Ensure that you read, understand and apply the safety instructions before use.
- 5.1. **DRILL BIT FITTING**
Regularly check the drill bit and always change if worn, cracked or otherwise damaged.
- ❑ **WARNING! Unplug from the air supply before placing bit into chuck.**
- 5.1.1. Open or close the chuck jaws to a point where the opening is slightly larger than the drill or tool bit (fig. 3) to be used. Also raise the front of the drill slightly to prevent bit from falling out of the chuck jaws. Insert the drill bit into the chuck as far as it will go. Place the chuck key in one of the chuck holes and tighten the chuck securely.
- ❑ **WARNING! Ensure that you remove the chuck key before starting the drill.**
- 5.1.2. Connect air supply to drill. Squeeze the trigger to check that the drill is working correctly before starting work.
DO NOT allow drill to run freely for an extended period of time as this will shorten the life of its bearings.
- 5.2. **DRILLING INSTRUCTIONS**
- ❑ **WARNING! Ensure that you wear approved safety goggles and any other safety items required for the job. Remove the chuck key before using the drill. Also ensure that all other safety requirements are followed.**
- 5.2.1. 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.
- 5.2.2. For hard smooth surfaces use a centre punch to mark the desired hole location. This will prevent bit from slipping as you start to drill.
- 5.2.3. Connect drill to air supply, if not already done, as in Section 4.
- 5.2.4. Ensure that the drill is turning in the forward direction by checking that the lever adjacent to the trigger is next to the symbol (F). If not, push the lever over to this position.
- 5.2.5. Hold tool firmly and place the bit tip on the point to be drilled.
- 5.2.6. 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 bit or apply side pressure to elongate the hole.
- 5.2.7. 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.
- 5.2.8. A pilot hole may be necessary to assist the final size drill through the workpiece.
Lock a pilot drill (smaller size drill than the finished hole size) into the chuck. Follow steps 5.2.1. to 5.2.6. above and drill a pilot hole where the final hole is to be drilled. Insert the final sized bit in chuck. Hold drill firmly, place the bit at the entrance of the pilot hole and depress the trigger.
- ❑ **WARNING! Be prepared for drill binding or break-through. When these situations occur the drill has a tendency to grab and kick which could cause loss of control. If you are not prepared, this loss of control can result in damage and/or personal injury.**
- 5.2.9. If the bit jams in the workpiece or if the drill stalls, release the trigger immediately. Remove the bit from the workpiece and determine the reason for jamming. To remove the bit it may be necessary to reverse the drill by moving the lever adjacent to the trigger to the reverse (R) position.

fig.3



6. OPERATION - IMPACT WRENCH

- ❑ **WARNING! Ensure that you read, understand and apply the safety instructions before use.**
- 6.1. Only use impact sockets, which are specifically designed for use with an impact wrench.
- 6.2. Connect the wrench to the air hose as in Section 4.
- 6.3. Fit the socket onto the square drive and then place the socket over the subject nut. Squeeze the trigger to operate the wrench.
- 6.4. To change direction push the button at the top of the handle, direction "F" for forward and "R" for reverse.
- 6.5. The flow of air may be regulated by adjusting flow valve at the base of the handle.
DO NOT use any additional force upon the wrench in order to tighten or remove a nut.
DO NOT allow wrench to free run for an extended period of time as this will shorten the life of its bearings.
Take care not to over-tighten fixings.

7. OPERATION - RATCHET WRENCH

- ❑ **WARNING! Ensure that you read, understand and apply the safety instructions before use.**
- 7.1. Connect the wrench to the air hose as in Section 4.
- 7.2. Fit the socket onto the square drive and then place the socket over the subject nut. Squeeze the trigger to operate the wrench.
- 7.3. To change the ratchet direction turn the switch on the tool head. F = Forward, R = Reverse.
DO NOT use any additional force upon the wrench in order to remove or tighten a nut.
DO NOT allow the wrench to run in "idle rotation" for an extended period of time as this will shorten the life of its bearings.

8. MAINTENANCE

- ❑ **WARNING!** Disconnect the tool 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.*
- 8.1. Lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet, or use a system oiler or the line oiler supplied.
- 8.2. Impact Wrench - Check and top up the gearbox oil by removing grub screw located on the right side, above the grip.
- 8.3. Clean the tool after use.
- 8.4. Loss of power or erratic action may be due to the following:
 - a) 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 instructions in Section 4.
 - b) Grit or gum deposits in the wrench may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.
- 8.5. For a full service contact your local Sealey service agent.
- 8.6. When not in use, disconnect from air supply, clean tool and store in a safe, dry, childproof location.



Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.



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.

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 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 full name and address, including postcode.



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WARNING! – Risk of Hand Arm Vibration Injury.

These tools may cause Hand Arm Vibration Syndrome if their useage is not managed adequately.

These tools are subject to the vibration testing section of the Machinery Directive 2006/42/EC.

These tools are to be operated in accordance with these instructions.

SA2403

Measured vibration emission value (a): **2.06 m/s²**

Uncertainty value (k):..... **0.42 m/s²**

SA2

Measured vibration emission value (a): **5.67 m/s²**

Uncertainty value (k):..... **0.64 m/s²**

SA21/S.V2

Measured vibration emission value (a): **6.56 m/s²**

Uncertainty value (k):..... **0.69 m/s²**

Please note that the application of the tools to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.

A health and safety assessment by the user (or employer) will need to be carried out to determine the suitable duration of use for each tool.

NB: Stated Vibration Emission values are type-test values and are intended to be typical.

Whilst in use, the actual value will vary considerably from and depend on many factors.

Such factors include; the operator, the task and the inserted tool or consumable.

NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.

The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

Health surveillance.

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

Personal protective equipment.

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of these tools. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSC website www.hse.gov.uk - Hand-Arm Vibration at Work.