



INSTRUCTIONS FOR:
**1/2" SQ. DRIVE EXTRA HEAVY DUTY
 AIR IMPACT WRENCH**

MODEL No: **SA5/S.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

- ✓ Follow all Health & Safety and general workshop rules, regulations and conditions when using the wrench.
- ❑ **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 that the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and non-essential persons away from the work area.
- x **DO NOT** use the wrench for a task that it is not designed to perform.
- ❑ **WARNING! DO NOT** use wrench if damaged or thought to be faulty (contact your Service Agent).
- x **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- x **DO NOT** carry the wrench by the air hose, or yank the hose from the air supply.
- x **DO NOT** operate the wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x To avoid unintentional starting **DO NOT** carry the wrench with your finger on the trigger.
- x **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use, disconnect from the air supply and store in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

2.1. Introduction

Fitted with power-pin type clutch giving up to 50% better performance than standard rocking-dog clutch. Suitable for heavy garage and tyre shop use. Features 4-position adjustable air/torque control, reversible action and spring balance anchorage point.

2.2. Specification

Drive:	1/2" Sq	Air Inlet:	1/4" BSP
Working/Max Torque:	420/520lb.ft	Weight:	2.7kg
Ultimate Torque:	600lb.ft	Noise Power:	103.8dB(A)
Air Consumption:4cfm	Noise Pressure:	92.8dB(A)
Operating Pressure:	90psi	Vibration Figure:	7.7m/s ²
Speed:	7000rpm	Uncertainty Value:	1.65m/s ²

3. AIR SUPPLY & COUPLINGS

3.1. Air Supply

Recommended hook-up is shown in fig 1.

3.1.1. Ensure that the wrench trigger is in the "Off" position before connecting the air supply.

3.1.2. You will require an air pressure of 90psi and an air flow of 4cfm.

☐ **WARNING!** Ensure that the air supply is clean and does not exceed 90 psi. Too high an air pressure and/or unclean air will cause excessive wear and may result in damage and/or personal injury.

3.1.3. Drain the compressor air tank daily. Water in the air line will damage the wrench.

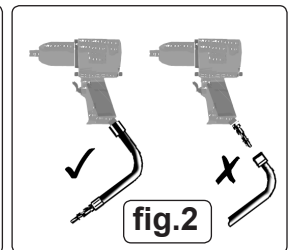
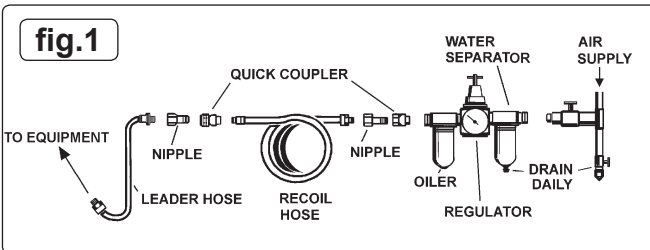
3.1.4. Clean compressor air inlet filter weekly.

3.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). Hose internal diameter and the bores of fittings should be 1/4" minimum.

3.1.6. Keep hose away from heat, oil and sharp edges. Before each use check hose for wear and make certain that all connections are secure.

3.2. Couplings

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



4. OPERATING INSTRUCTIONS

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

4.1. Only use impact sockets which are specifically designed for use with an impact wrench. **DO NOT** use worn or damaged sockets.

4.2. Connect the wrench to the air supply as described in Section 3.

4.3. Place the socket over the nut/bolt and depress the trigger to operate the wrench.

4.4. To change rotation, push the slide button at the top of the handle. Move it in the direction F for forward (clockwise) and in the direction R for reverse (anticlockwise).

4.5. The flow of air may be regulated by adjusting the flow valve at the base of the handle.

4.6. **DO NOT** use any additional force upon the wrench in order to loosen/tighten a fixing.

4.7. **DO NOT** allow the wrench to free run for an extended period as this may damage the bearings.

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 supply system does not have an oiler, lubricate the wrench daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 5.2. Check and top up the gearbox oil by removing grub screw, marked OIL, located in the body.
- 5.3. Clean the wrench after use.
- 5.4. 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 rectify, check the air supply and follow instructions in Section 3.
 - b) Grit or gum deposits in the wrench will also reduce performance. If your model has an air strainer (located in the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE 10 oil and paraffin. Allow to dry before use.
- 5.5. When not in use, disconnect from the air supply, clean and store in a safe, dry, childproof location.



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.

This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.

This tool is to be operated in accordance with these instructions.

Measured vibration emission value (a): 7.7m/s²

Uncertainty value (k):..... 1.65m/s²

Please note that the application of the tool 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.

PREPARING FOR USE.

Air Supply.

WARNING!

Ensure the air supply is clean and does not exceed 90psi while operating the tool.

Too high an air pressure and unclean air will shorten the product life due to excessive wear and may cause damage and/or personal injury.

Ensure that the tool air valve (or trigger) is in the "off" position before connecting to the air supply.

Monitor the compressor daily to ensure that moisture is not present in the compressed air. Water in the air line will damage the tool.

Line pressure should be increased to compensate for unusually long air hoses (over 8metres).

The minimum hose diameter should be ¼" internal diameter. Fittings must have compatible inside dimensions.

Keep hoses away from heat, oil and sharp edges. Check hoses for wear and ensure that all connections are secure.

Couplings.

Vibration may cause failure if a quick change coupling is connected directly to the tool.

To overcome this, connect a leader hose to the tool (Sealey ref: AH2R or AH2R/38).

A quick change coupling may then be used to connect the leader hose to the air line recoil hose.

CORRECT USE.

Vibration emission is closely linked to the operating pressure in the air supply. The user should ensure that the pressure is set in accordance with our recommendations to assure optimum efficiency and minimise vibration exposure.

- Ensure that the tool is correctly aligned to the work. Misalignment increases the risk of vibration injury.
- Ensure that consumables are selected, maintained and replaced in accordance with Sealey instructions.
- Sleeve fittings must be used where possible.
- Always support the tool in a stand or on a balancer or a tension device where possible.
- Ensure that the operator is sufficiently experienced in order to be able to handle and operate the tool correctly.
- Ensure that the tool is held with a light but secure grip. Avoid excessive grip force as this will increase the risk of vibration injury.

MAINTENANCE.

If the air system does not have an oiler, lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet. Clean the tool after use.

DO NOT use worn or damaged grinding discs (if applicable).

Loss of power or erratic action may be due to the following:

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 the PREPARING FOR USE section.

Grit, residual deposits (gum) in the tool may also reduce performance.

Remove the strainer. Clean the strainer and flush the tool out with gum solvent oil or an equal mixture of SAE No: 10 oil and paraffin.

Allow the tool and strainer to dry then lubricate before use.

For a full service, contact your local Sealey service agent.

When not in use, disconnect the tool from the air supply, clean the tool and store the tool in a safe, childproof, location.

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 this tool. 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.