

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.



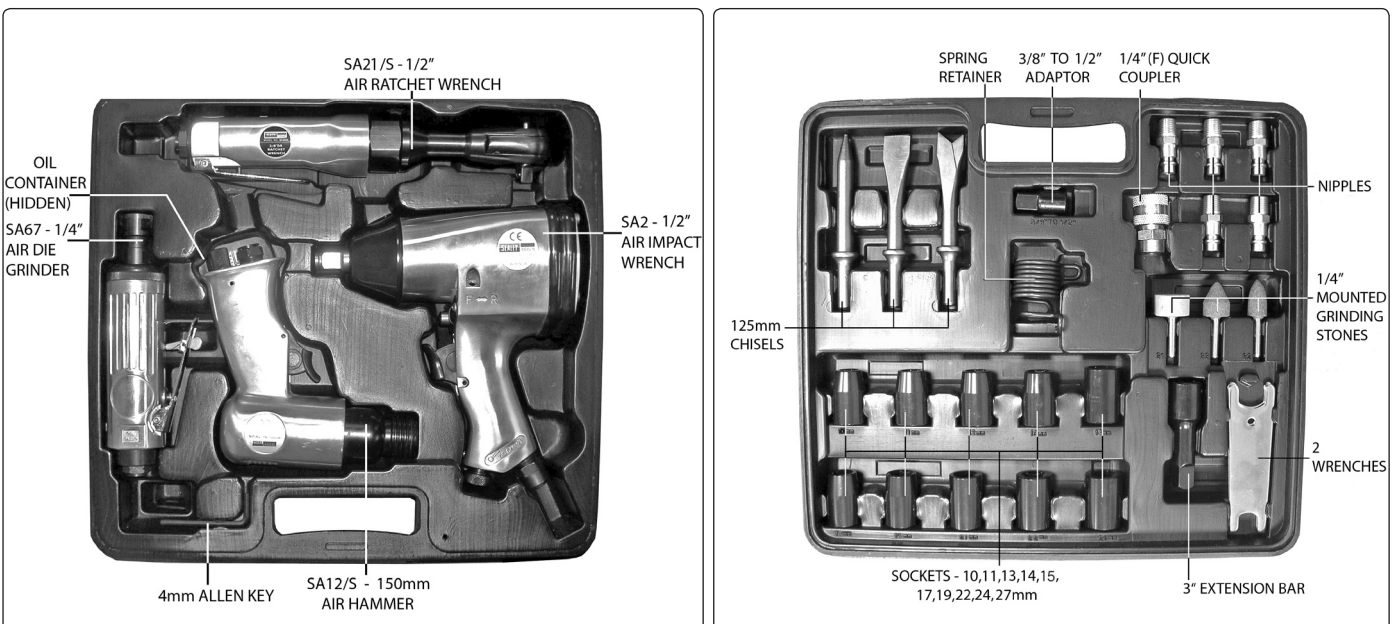
IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP 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 accessories, 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.
- ✓ Maintain correct balance and footing. Do not over reach, ensure the floor is not slippery and wear non-slip shoes.
- ❑ **WARNING!** Always wear approved eye and hand protection when operating these tools.
- ✓ Use face, dust, or respiratory protection in accordance with COSHH regulations.
- ❑ **WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend that suitable respiratory protection is worn.
- ✓ 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.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Ensure that the workpiece is secure before operating the tool. Never hold a workpiece by hand.
- x **DO NOT** operate tool when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ❑ **WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 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.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.
- x **DO NOT** use tool for a task that it is not designed to perform.
- x **DO NOT** operate tools if any parts are damaged or missing as this may cause failure and/or personal injury.
- x **DO NOT** carry the tool by the hose, or yank the hose from the air supply.
- x **DO NOT** place air line attachments close to your face and do not point at other people or animals.
- x **DO NOT** direct air from the air line at yourself or others.
- x **DO NOT** operate tools unless you have been instructed in their use by a qualified person.
- x **DO NOT** carry tools with your finger on the trigger and avoid unintentional starting.
- x **DO NOT** drop, throw or abuse the tools as they are precision instruments.
- x **DO NOT** leave the tools operating unattended.
- x **DO NOT** get the tools wet or operate in damp or wet locations.
- x **DO NOT** allow tools to free run for an extended period of time as this will shorten their life.

2. INTRODUCTION

Comprises, 150mm Air Hammer, 1/2" Air Impact Wrench, 1/2" Air Ratchet Wrench, 1/4" Air Die Grinder, 3x 125mm Chisels, Spring Retainer, 3/8" to 1/2" Adaptor, 1/2" Drive Impact Sockets - 10, 11, 13, 14, 15, 17, 19, 22, 24, 27mm, 3" Extension Bar, 3x 1/4" Grinding Stones, 5x Nipples, 1/4" (F) Quick Coupler, Air Tool Oil, 2 Wrenches and Allen Key, all in a composite carry case. Suitable for workshop and body shop applications.



3. SPECIFICATIONS



**SA12/S.V2
150mm AIR HAMMER**



**SA2
IMPACT WRENCH**



**SA21/S
RATCHET WRENCH**



**SA67.V3
AIR DIE GRINDER**

Chisel Shank: 0.401" Parker Taper
Speed: 4500bpm
Stroke: 41mm
Air Consumption: 4cfm
Operating Pressure: 90psi
Air Inlet: 1/4"BSP
Weight: 1.1kg
Noise Power: 116.03dB(A)
Noise Pressure: 105.03dB(A)
Vibration Emission: 13.25m/s²

Drive: 1/2" Sq
Working/Max Torque: 230/300lb.ft
Ultimate Torque: 420lb.ft
Air Consumption: 4cfm
Operating Pressure: 90psi
Air Inlet: 1/4"BSP
Weight: 2.2kg
Noise Power: 100.01dB(A)
Noise Pressure: 89.01dB(A)
Vibration Emission: 5.67m/s²

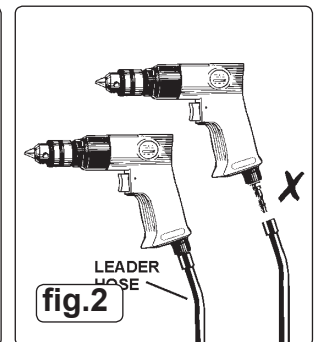
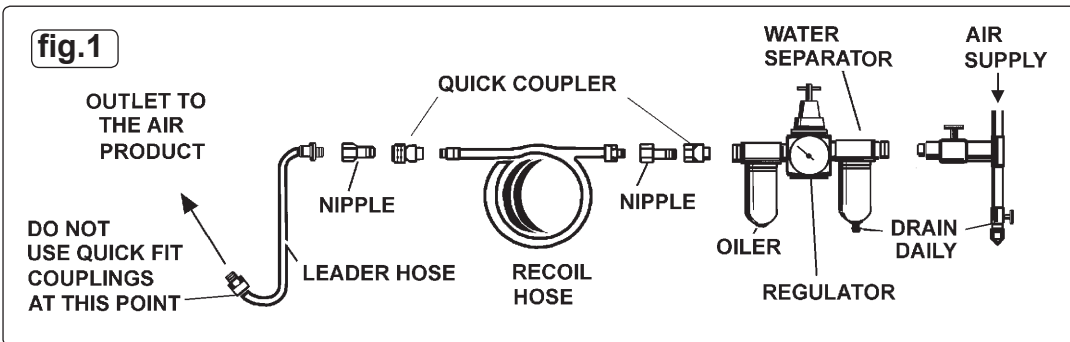
Drive: 1/2" Sq
Max Torque: 60lb.ft
Air Consumption: 4cfm
Operating Pressure: 90psi
Air Inlet: 1/4"BSP
Weight: 1.2kg
Noise Power: 108.47dB(A)
Noise Pressure: 97.47dB(A)
Vibration Emission: 6.56m/s²

Collet size: Ø6mm
Free speed: 22000rpm
Air consumption: 4cfm
Operating pressure: 90psi
Air inlet: 1/4"BSP
Weight: 0.58kg
Noise Power: 102.94dB(A)
Noise Pressure: 91.94dB(A)
Vibration Emission: 2.53m/s²

4. PREPERATION FOR USE

Recommended hook-up is shown in fig.1.

- ❑ **WARNING!** Ensure that the air supply is clean and does not exceed 90 psi while operating these tools. Too much 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 per tool.
- 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.
- 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.



5. SA2 - AIR IMPACT WRENCH

Tough professional air impact wrench with fully polished alloy housing and rubber bumper. Through type forward/reverse control. 4 position adjustable air/torque selection. Fitted with standard 1/2" square drive. Fitted with rocking-dog type clutch and hardened impact anvil. Suitable for general garage use.

- ❑ **WARNING!** Ensure that you read, understand and apply the safety instructions in Section 1 before use. Additionally the following safety instructions are specific to this tool.
- ✓ Use only impact sockets, since these are specifically designed for use with an impact wrench. Standard sockets may shatter.
- x **DO NOT** use any additional force upon the wrench in order to tighten or remove a nut.
- ✓ Take care not to over-tighten fixings.

Operation

- 5.1. Connect the wrench to the air supply as in Section 4.
- 5.2. Fit a socket onto the square drive and then place the socket over the nut. Squeeze the trigger to operate the wrench.
- 5.3. To change direction push the button at the top of the handle, direction "F" for forward and "R" for reverse.
- 5.4. The flow of air (torque) may be regulated by adjusting flow valve at the base of the handle, push in the adjuster and turn clockwise until correct setting (1 to 4) is reached, then let adjuster click out to lock.

6. SA12/S - AIR HAMMER

The air hammer is designed primarily for use on vehicle bodywork. We do not recommend any other use.

- WARNING! Ensure that you read, understand and apply the safety instructions in Section 1 before use. Additionally the following safety instructions are specific to this tool.**
- ✓ Ensure chisels are correctly rated for the job. **DO NOT** use damaged or suspect chisels.
- x **DO NOT** switch the hammer on whilst the chisel is in contact with the workpiece.
- x **DO NOT** use hammer where there is flammable liquid, solids or gas such as paint solvent, including waste wiping or cleaning rags etc.
- WARNING! DO NOT** chisel any materials containing asbestos.

Operation

- 6.1. Insert the chisel shank into the gun cylinder (fig.3).
- 6.2. Place the retainer ring over the chisel (fig.3) and lower onto the hammer's cylinder thread. Screw the retainer spring on to the cylinder using a clockwise motion and using pressure on tag B until the spring is fully located (fig.4) and the chisel is retained by the spring's retaining tag (B).
- 6.3. Connect the hammer to the air supply as in Section 4.
- 6.4. To operate the hammer, squeeze the trigger, taking care that the chisel end is not in contact with the work-piece. The air regulator can be adjusted by means of the knob at the base of the handle, use this as a means of throttle control.
- 6.5. To remove attachment, reverse procedures 6.1. and 6.2. using pressure on tag A.

fig.3

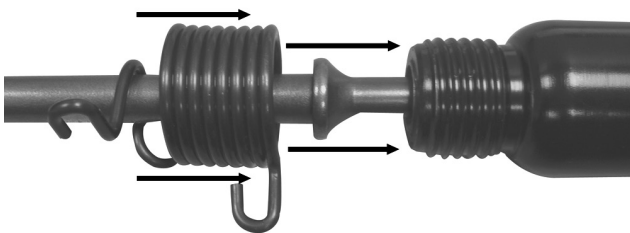
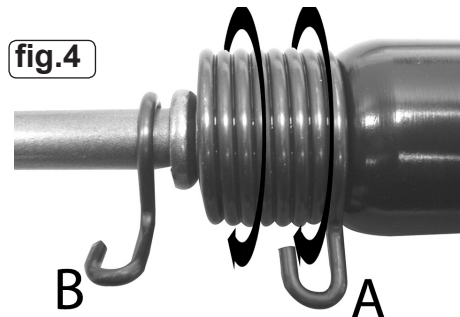


fig.4



7. SA21/S - AIR RATCHET WRENCH

The air ratchet wrench has a hardened steel anvil with trigger operated power control, it is suitable for use in the engine bay where there is limited space for hand operated ratchets.

- WARNING! Ensure that you read, understand and apply the safety instructions in Section 1 before use. Additionally the following safety instructions are specific to this tool.**
- x **DO NOT** use any additional force upon the wrench in order to remove or tighten a nut.
- ✓ Only use sockets specifically designed for use with a ratchet wrench.

Operation

- 7.1. Connect the wrench to the air supply as in Section 4.
- 7.2. Place the socket over the subject nut and depress the trigger to operate the wrench.
- 7.3. To change ratchet direction turn the switch on the tool head. F = Forward R = Reverse.
- 7.4. The flow of air (torque) may be regulated by turning the screw above the trigger.

8. SA67 - AIR DIE GRINDER

One-handed straight type die grinder with aluminium body and trigger with safety catch. Chuck accepts grinding bits with Ø6mm shanks.

- WARNING! Ensure that you read, understand and apply the safety instructions in Section 1 before use. Additionally the following safety instructions are specific to this tool.**
- WARNING! DO NOT** grind any materials containing asbestos.
- WARNING! Before each use check grinding bit is secure, and the bit is not worn or damaged, if damaged, replace immediately.**
- ✓ Always use the correct grinding bit suitable for the material being ground. Ensure the maximum speed specification of the bit is higher than that indicated on the machine data plate.
- ✓ Avoid subjecting grinding bit to excessive strain, hold grinder firmly and always ease grinding bit against workpiece (a harsh impact may break the bit). Maintain a controlled progression.
- x **DO NOT** turn the die grinder on whilst the grinding bit is in contact with the workpiece.
- x **DO NOT** use die grinder where there are flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc. as generated sparks may be dangerous.
- x **DO NOT** touch the workpiece close to the ground surface as it will be very hot. Allow to cool. The workpiece may also be very sharp.

Operation

- 8.1. Check that grinding bits are not damaged in any way such as cracks, deformations or splinters etc. Damaged bits must not be used.
- 8.2. Use wrenches provided to loosen collet locking collar. Insert grinding bit and re-lock collar.
- 8.3. Connect the air die grinder to the air supply as in Section 4.
- 8.4. To start, hold firmly and push the trigger locking lever forward whilst depressing trigger.
- 8.5. The bit must be running at its maximum speed before attempting to grind the workpiece.
- 8.6. Slowly and smoothly bring the grinding stone toward the workpiece (avoid jerky movements).
- 8.7. Exert adequate pressure on the die grinder to grind according to the type and size of the material you are working with. Avoid subjecting bit to excessive strain or harsh impacts.

9. 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.*
- 9.1. If the air supply does not have an oiler, lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.
- 9.2. Clean the tool after use.
- 9.3. 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.
- 9.4. For a full service contact your local Sealey service agent.
- 9.5. When not in use, disconnect from air supply, clean tool and store in a safe, dry, childproof location.
- 9.6. **Impact Wrench only** - Check and top up the gearbox oil by removing grub screw located on the right side, above the grip.

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.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR



01284 757500



www.sealey.co.uk



01284 703534



sales@sealey.co.uk

WARNING! – Risk of Hand Arm Vibration Injury.

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

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

Model No: SA12/S.V2 SA2 SA21/S. SA67.V3

Measured vibration emission value (a): 13.25m/s² 5.67m/s² 6.56m/s² 2.53m/s²

Uncertainty value (k): 1.09m/s² 0.64m/s² 0.69m/s² 0.45m/s²

Please note that the application of these 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.

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.

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.