



RECIPROCATING AIR SAW

MODEL NO: **S01045.V4**

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 & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instruction
manual



Wear eye
protection



Wear a mask



Wear ear
protection



Wear protective
gloves

1. SAFETY

1.1. GENERAL SAFETY

- ✓ For multiple hazards, read and understand the safety instructions before installing, operating, repairing, maintaining, changing accessories on, or working near the a reciprocating saw. Failure to do so can result in serious bodily injury.
- ✓ Only qualified and trained operators should install, adjust or use the reciprocating saw.
- ✗ **DO NOT** modify this circular, oscillating or reciprocating saw. Modifications can reduce the effectiveness of safety measures and increase the risks to the operator.
- ✗ **DO NOT** discard the safety instructions; give them to the operator.
- ✗ **DO NOT** use the reciprocating saw if it has been damaged.
- ✓ Tools shall be inspected periodically to verify that the ratings and are legibly marked on the tool. Contact the manufacturer to obtain replacement marking labels where necessary.

1.2. HAZARDS:

1.2.1. PROJECTILE:

- ✓ Failure of the workpiece, or accessories, or even of the inserted tool itself, can generate high-velocity projectiles. Always wear impact-resistant eye protection during the operation of the saw. The grade of protection required should be assessed for each use.
- ✓ Ensure that the workpiece is securely fixed.
- ✓ Ensure that sparks and metal cuttings are directed so as not to cause a hazard.
- ✓ Ensure that the saw blade or cutter is properly clamped.

1.2.2. ENTANGLEMENT:

- ✓ Choking, scalping and/or lacerations can occur if loose clothing, personal jewellery, neck wear, hair or gloves are not kept away from tools and accessories.

1.2.3. OPERATIONAL HAZARDS:

- ✓ Avoid contact with the saw blade, to prevent the cutting of hands and other body parts.
- ✓ Guards shall be securely in place and in good functional condition.
- ✓ Damaged, bent or severely worn guards shall be replaced with the tool manufacturer's recommended guards.
- ✓ Use of the tool may expose the operator's hand to hazards including cuts and abrasion and heat. Wear suitable gloves to protect hands.
- ✓ Operators and maintenance personnel shall be physically able to handle the bulk, weight and power of the tool.
- ✓ Hold the tool correctly: be ready to counteract normal or sudden movements and have both hands available.
- ✓ Maintain a balanced body position and secure footing.
- ✓ Avoid injury by cutting or severing: avoid contact with saw blade, whenever the energy supply is connected to the tool.
- ✓ Wear protective equipment, such as gloves, apron and helmet.
- ✓ Injury can be caused by uncontrolled movements of the tool.
- ✓ Cutting with these tools creates sharp edges; wear gloves to protect hands.
- ✓ Release the start-and-stop device in the case of an interruption of the energy supply.
- ✓ Use only lubricants recommended by the manufacturer.
- ✓ Personal protective safety glasses shall be used; suitable gloves and protective clothing are recommended.
- ✓ Be aware that there is a running-on of the tool after the start-and-stop device has been released.

1.2.4. REPETITIVE MOTIONS:

- ✓ Whenever using a reciprocating saw to perform work-related activities, the operator can experience discomfort in the hands, arms, shoulders, neck or other parts of the body. The operator should adopt a comfortable posture while maintaining secure footing and avoiding awkward or off-balance postures. The operator should change posture during extended tasks; this can help avoid discomfort and fatigue. If the operator experiences symptoms, such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation or stiffness, these warnings should not be ignored. The operator should tell the employer and consult a qualified health professional.

1.2.5. ACCESSORIES:

- ❑ **WARNING!** Disconnect the reciprocating saw from the energy supply before fitting or changing the inserted tool or accessory.
- ✓ Only use sizes and types of accessories and consumables that are recommended by the circular, oscillating or reciprocating saw manufacturer; do not use other types or sizes of accessories or consumables.
- ✓ Avoid direct contact with the inserted tool during and after use as it can be hot or sharp.
- ✓ Inspect the saw blade before use. **DO NOT** use saw blades which may have been dropped or which are chipped, cracked or otherwise defective.

- 1.2.6. **WORKPLACE:**
- ✓ Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by use of the tool and also of trip hazards caused by the air line.
 - ✓ Proceed with care in unfamiliar surroundings. There can be hidden hazards, such as electricity or other utility lines.
 - ✓ The reciprocating saw is not intended for use in potentially explosive atmospheres and is not insulated against coming into contact with electric power.
 - ✓ Ensure that there are no electrical cables, gas pipes, etc., which can cause a hazard if damaged by use of the tool.
- 1.2.7. **DUST AND FUMES:**
- ✓ Dusts and fumes generated when using circular, oscillating and reciprocating saws can cause ill health (for example cancer, birth defects, asthma and/or dermatitis); risk assessment and implementation of appropriate controls for these hazards are essential.
 - ✓ Risk assessment should include dust created by the use of the tool and the potential for disturbing existing dust.
 - ✓ Operate and maintain the circular, oscillating or reciprocating saw as recommended in the instruction handbook, in order to minimize dust or fume emissions.
 - ✓ Direct the exhaust so as to minimize disturbance of dust in a dust-filled environment.
 - ✓ Where dusts or fumes are created, the priority shall be to control them at the point of emission. All integral features or accessories for the collection, extraction or suppression of airborne dust or fumes should be correctly used and maintained in accordance with the manufacturer's instructions.
 - ✓ Select, maintain and replace the consumable/inserted tool as recommended in the instruction handbook to prevent an unnecessary increase in dust or fumes.
 - ✓ Warnings shall be given against the risk of explosion or fire due to the material being processed.
 - ✓ Use respiratory protection in accordance with the employer's instructions and as required by occupational health and safety regulations.
 - ✓ Working in certain materials creates emission of dust and fumes, causing potentially explosive environments.
- 1.2.8. **NOISE:**
- ✓ Exposure to high noise levels can cause permanent, disabling hearing loss and other problems, such as tinnitus (ringing, buzzing, whistling or humming in the ears). Therefore, a risk assessment and implementation of appropriate controls for these hazards are essential.
 - ✓ Appropriate controls to reduce the risk may include actions, such as damping materials to prevent workpieces from "ringing".
 - ✓ Use hearing protection in accordance with the employer's instructions and as required by occupational health and safety regulations. Operate and maintain the circular, oscillating or reciprocating saw as recommended in the instruction handbook, to prevent an unnecessary increase in noise levels.
 - ✓ Select, maintain and replace the consumable/inserted tool as recommended in the instruction handbook, to prevent an unnecessary increase in noise.
 - ✓ If the circular, oscillating or reciprocating saw has a silencer, always ensure it is in place and in good working order whenever the tool is being operated.
- 1.2.9. **VIBRATION:**
- ✓ Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
 - ✓ Wear warm clothing when working in cold conditions and keep your hands warm and dry.
 - ✓ If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, stop using the reciprocating saw, tell your employer and consult a physician. Operate and maintain the reciprocating saw as recommended in the instruction handbook to prevent an unnecessary increase in vibration levels.
 - ✓ Select, maintain and replace the consumable/inserted tool as recommended in the instruction handbook, to prevent an unnecessary increase in vibration levels.
 - ✓ Support the weight of the tool in a stand, tensioner or balancer, if possible.
 - ✓ Hold the tool with a light, but safe, grip taking account of the required hand-reaction forces, because the risk from vibration is generally greater when the grip force is higher.
 - ✓ Improper mounting of the saw blade can cause excessive vibration levels.
- 1.2.10. **PNEUMATIC POWER TOOLS**
- ✓ Air under pressure can cause severe injury: Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs; Never direct air at yourself or anyone else.
 - ✓ Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
 - ✗ **DO NOT** use quick disconnect couplings at tool inlet for impact and impulse wrenches. Use hardened steel (or material with comparable shock resistance) threaded hose fittings.
 - ✓ Whenever universal twist couplings (claw couplings) are used, lock pins shall be installed and whipcheck safety cables shall be used to safeguard against possible hose-to-tool and hose-to-hose connection failure.
 - ✗ **DO NOT** exceed the maximum air pressure stated on the tool.
 - ✗ Never carry an air tool by the hose.
- 1.3. **TRANSPORT:** When transporting ensure disconnection from power supply and take precautions to protect and avoid contact with the exposed portion of the cutting blade.
- 1.4. **STORAGE:** Store in a dry, secure location out of reach of children.

2. INTRODUCTION

Ideal for initial crash repair prep where quick removal of damaged panels is required. Fitted with trigger lock to prevent accidental activation during handling. Adjustable blade guide ensures precision and stability during use. Supplied with a starter pack of blades for immediate operation. Designed for light garage use and general bodywork tasks.

3. SPECIFICATION

Model No:..... S01045.V4
 Air Consumption:..... 8cfm
 Consumable Parts:
 SA34/B24 - 24tpi Air Saw Blade (x1)
 SA34/B32 - 32tpi Air Saw Blade (x1)
 Free Speed: 9000spm
 Inlet Size: 1/4" BSP
 Maximum Cutting Capacity: 1.6mm (Steel), 2mm (Aluminium)
 Weight: 0.65kg
 Noise Power/Pressure: 99/88dB(A)
 Operating Pressure: 90psi
 Stroke: 10mm
 Vibration/Uncertainty: 18.93/2.32m/s²

4. AIR SUPPLY

- 4.1. Recommended hook-up procedure is shown below.
- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi.
- 4.2. Too high an air pressure and/or unclean air will result in excessive wear and may be dangerous, causing damage and/or personal injury. Drain the air tank daily. Water in the air line will damage the saw **and will invalidate your warranty.** Clean compressor air inlet filter weekly.
- 4.3. 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.
- 4.4. Keep hose away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure. Couplings Vibration may cause failure if a quick-change coupling is connected directly to the air saw. To overcome this, connect a leader hose (Sealey Part No. AH2R) to the saw. A quick-change coupling may then be used to connect the leader hose to the air line recoil hose.

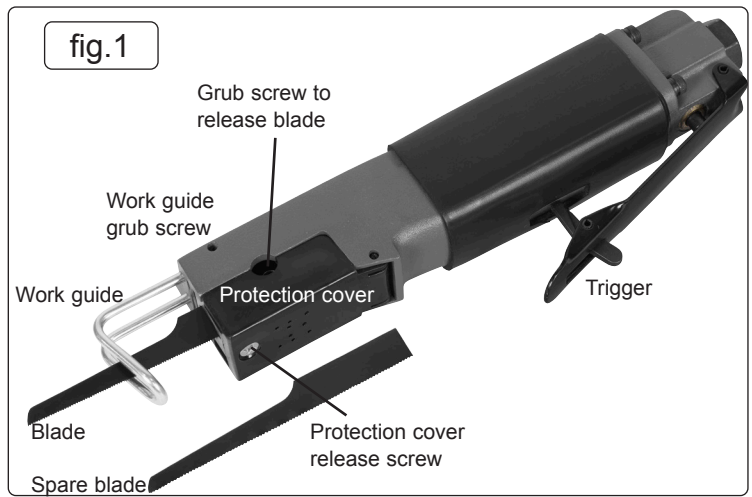


fig.2

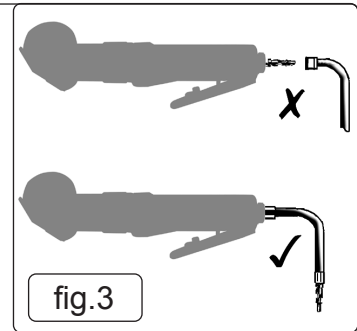
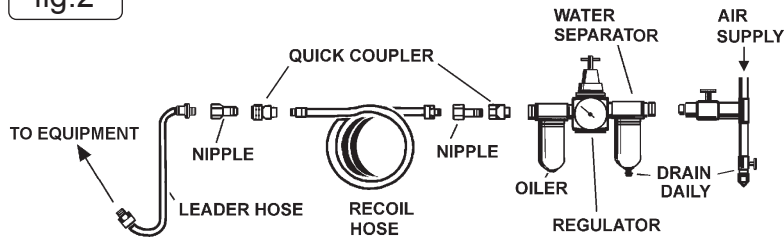


fig.3

5. OPERATION

- ❑ **WARNING!** Ensure that you read, understand and apply the safety instructions.
- 5.1. Loosen the work guide grub screw, fig.1 and adjust, or change, the work guide. Tighten the grub screw.
- 5.2. Ensure that your workpiece is properly secured and, if necessary, marked out. Start the saw by operating the trigger and bring the moving blade onto the workpiece. **DO NOT** attempt to start the saw with the stationary blade in contact with the workpiece.
- ✕ The maximum blade speed may be regulated by turning the valve screw (fig.4).
- 5.4. If the cut ends within the sheet material, allow the blade to come to a stop before removing the saw from the workpiece.
- 5.5. If the cut starts within the bounds of the material cut a starter slot by hand.
- ✕ **DO NOT** allow the saw to run without load for any length of time as this will damage the bearings.
- 5.6. **TO CHANGE THE BLADE:**
- ❑ **WARNING!** Disconnect the saw from the air supply.
- 5.6.1. Undo the blade release grub screw, fig.5 and remove the blade.
- 5.6.2. Slide new blade into place and tighten the loosened grub screw.

fig.4



Blade release grub screw with hex key inserted



fig.5

5.7. EMERGENCY STOP/BREAKDOWN

- 5.7.1. If tool makes any unusual noises or vibrations release trigger and once it has come to a stop, disconnect from air supply and investigate cause.

6. MAINTENANCE

- ❑ **WARNING!** Disconnect saw from air supply before changing the blade, servicing or performing maintenance.
- 6.1. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- 6.2. Unless the air supply system includes an oiler, lubricate the air saw daily with a few drops of air tool oil, dripped into the air inlet before use (use Sealey part no. ATO/500 or ATO1000).
- 6.3. 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 line. 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 saw 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 saw out with gum solvent oil or an equal mixture of SAE No 10 oil and kerosene. Allow to dry before use.If you continue to experience problems, contact your local Sealey service agent.
- 6.4. For a full service contact your local Sealey service agent.
- 6.5. When not in use, disconnect from air supply, clean saw and store in a safe, dry, childproof location.

❑ **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 subject to the vibration testing section of the Machinery Directive 2006/42/EC.
This tool is to be operated in accordance with these instructions.

Measured vibration emission value (a): 18.93m/s²

Uncertainty value (k): 2.32m/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.

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 HSE website

www.hse.gov.uk - Hand-Arm Vibration at Work.

7. END OF LIFE

Tool must be disassembled and recycled according to regulations in force.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR
PURCHASE HERE

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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