



INSTRUCTIONS FOR:  
**RECIPROCATING AIR SAW**  
MODEL No: **SA34.V2**

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 the blade, servicing or performing maintenance.
- ✓ Maintain the saw 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 suitable clean and tidy work area, free from unrelated materials, Ensure that there is adequate lighting.
- WARNING!** Always wear approved eye or face and hand protection when operating the saw.
- ✓ Remove ill fitting clothing. Remove ties, 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. 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 workpiece is secure before operating the saw.
- ✗ Never hold a workpiece by hand. Use a vice or clamps.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 50-90psi.
- ✓ 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 this saw poses a health risk. It is the employer's/owner's responsibility to correctly assess the hazard and issue guidelines for safe periods of use and offer suitable protective equipment.
- ✗ **DO NOT** use any power source except an air compressor.
- ✗ **DO NOT** operate saw near any inflammable substance or on any container that has held an inflammable substance.
- ✗ **DO NOT** use the saw for a task it is not designed to perform.
- ✗ **DO NOT** operate saw if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** carry the saw by the hose, or yank the hose from the air supply.
- ✗ **DO NOT** operate saw when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** carry the saw with your finger on the trigger.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.

## 2. INTRODUCTION & SPECIFICATION

The SA34 is suitable for a variety of bodyshop and workshop applications including cutting body panels, sills and chassis members. Excellent for initial crash-repair preparation when quick removal of damaged panels is required. Fitted with a safety trigger device. Supplied with a starter pack of two blades.

Max. Cutting Capacity: 2mm(Steel), 2.5mm(Aluminium)	Stroke: . . . . .	10mm
Free Speed: . . . . . 10000spm	Weight: . . . . .	0.6kg
Operating Pressure: . . . . . 90psi	Vibration: . . . . .	27.95m/s <sup>2</sup>
Air Consumption: . . . . . 6cfm	Noise Level (Power): . . . . .	100dB(A)
Air Inlet: . . . . . 1/4" BSP	Noise Level (Pressure): . . . . .	89dB(A)

### 3. CONTENT

If any item is missing or damaged please contact your supplier immediately.

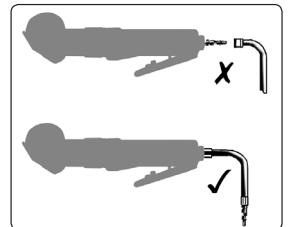
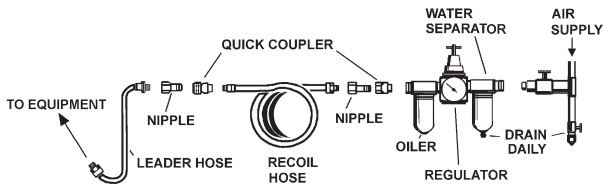
- ✓ SA34 saw complete with fitted blade and work guide (long)
- ✓ Spare blade
- ✓ Short work guide
- ✓ Two hex keys



### 4. AIR SUPPLY

Recommended hook-up procedure is shown below.

- 4.1. The saw requires an air pressure of between 50-90psi and an air flow of 6cfm.
- 4.2.  **WARNING!** Ensure the air supply is clean and does not exceed 90psi. Too high an air pressure and/or unclean air will result in excessive wear and may be dangerous, causing damage and/or personal injury.
- 4.3. Drain the air tank daily. Water in the air line will damage the saw **and will invalidate your warranty.**
- 4.4. Clean 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 diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 4.6. Keep hose 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 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.



### 5. OPERATING INSTRUCTIONS

- WARNING!** Ensure that you read, understand and apply the safety instructions.  
**NOTE: Numbers in brackets refer to item numbers in the parts diagram and list.**
- 5.1. Loosen the two set screws (24) and adjust, or change, the work guide to suit the job. Tighten the set screws.
  - 5.2. Ensure that your workpiece is properly secured and, if necessary, marked out.
  - 5.3. Start the saw and bring the moving blade onto the workpiece. **DO NOT** attempt to start the saw with the stationary blade in contact with the workpiece.
  - 5.4. The maximum blade speed may be regulated by turning the valve screw (1).
  - 5.5. If the cut ends within the sheet material, allow the blade to come to a stop before removing the saw from the workpiece.

- 5.6. If the cut starts within the bounds of the material cut a starter slot by hand.
- 5.7. Do not allow the saw to run without load for any length of time as this will damage the bearings.
- 5.8. **To change the blade:**
  - 5.8.1. Disconnect the saw from the air line.
  - 5.8.2. Undo the screw (38) and open the hinged chuck cover (26).
  - 5.8.3. Slightly loosen one of the two blade retaining set screws (30) and remove the blade.
  - 5.8.4. Slide new blade into place and tighten the loosened set screw (30). Check that blade is fitted with the cutting edge towards the chuck cover (26).
  - 5.8.5. Close chuck cover (26) and retain with screw (38).

## 6. MAINTENANCE

- WARNING!** Disconnect saw from air supply before changing the blade, servicing or performing maintenance. Replace or repair damaged parts.  
*Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 6.1. 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).
- 6.2. 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.
- 6.3. For a full service contact your local Sealey service agent.
- 6.4. 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 is subject to the vibration testing section of the Machinery Directive 2006/42/EC. When operated in accordance with these instructions and tested in accordance with the standard below, results in the following vibration emission declared in accordance with EN 12096:1997

**Tested in accordance with:** BS EN ISO 28927-8:2009 **Measured vibration emission value (a):** 27.95 m/s<sup>2</sup>

**Uncertainty value(k):** 3.26 m/s<sup>2</sup>

These values are suitable for comparison with the vibration emission levels of other tools that have been obtained using the same test method.

### **This tool may cause hand-arm vibration syndrome if its use is not adequately managed.**

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. Note that the value declared is an average figure from a series of tests according to the applicable standard. The value may differ depending on a number of variables including but not limited to; the user; the condition of the tool; attachments made to the tool i.e. sockets, grinding/cutting discs, sanding discs, blades, handles, leader hoses (always recommended as this helps to reduce vibration).

### **Correct use and maintenance.**

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

### **Health surveillance.**

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

### **Personal protective equipment.**

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury by attenuating the vibration emissions 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.

Guidance relating to the management of hand arm vibration can be found on the HSC website [www.hse.gov.uk](http://www.hse.gov.uk) – Hand-arm Vibration at Work.

**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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