



INSTRUCTIONS FOR:  
**AIR SAW RECIPROCATING  
 LOW VIBRATION GENERATION**  
 MODEL NO: **GSA345**

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.**

**1. SAFETY**



Read the instruction manual



Wear ear protection



Wear protective gloves



Wear a mask

- WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from the air supply before changing the saw blade or file, servicing or performing maintenance.
- WARNING!** Always wear approved eye, ear and hand protection when operating this tool. If dust is generated wear a mask.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended air line pressure is 90psi.
- Maintain the tool 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 clean and tidy work area, free from unrelated materials. Ensure that there is adequate lighting.
- 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.
- Ensure that saw blades and files are clamped tightly to the air tool.
- Check moving parts alignment on a regular basis.
- Ensure workpiece is secure before operating the saw. Never hold a workpiece in the hand. Use a vice or clamps.
- Keep the 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 tool 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 saw blades or files that are cracked or deformed.
- DO NOT** use any power source except an air compressor.
- DO NOT** operate the tool near any inflammable substance or on any container that has held an inflammable substance.
- DO NOT** use the tool for a task it is not designed to perform.
- DO NOT** operate the tool if any parts are damaged or missing as this may cause failure and/or personal injury.
- DO NOT** carry the tool by the hose..
  
- WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

**2. INTRODUCTION**

Manufactured with a composite housing for reducing chill affect and added comfort. Features an internal Patented design, providing extremely low vibration during use; meaning the tool can be used for longer periods. Suitable for a wide variety of workshop applications. Supplied with two blades, four files, a hexagon key and leader hose. Additionally the leader hose incorporates an outer sheath which directs the exhaust away from the user, reducing the noise level. See **CONTENTS** for replacement blades/files.

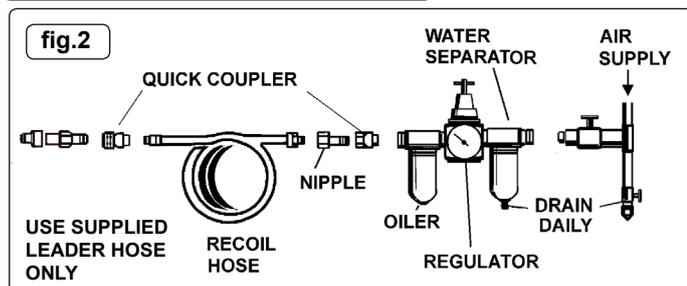
**3. SPECIFICATION**

Model No: .....	<b>GSA345</b>
Free Speed: .....	4300spm
Stroke: .....	10mm
Maximum Sawing Capacity: .....	2mm (Mild Steel) 2.5mm (Aluminium)
Air Consumption: .....	7cfm
Operating Pressure: .....	90psi
Noise Power: .....	65dBA
Noise Pressure: .....	63dBA
Vibration: .....	6.3m/s <sup>2</sup>
Uncertainty: .....	2.5m/s <sup>2</sup>
Air Inlet Size: .....	1/4" BSP
Weight: .....	0.7kg

## 4. CONTENTS

Item No	Description	Qty
1	Main Body	1
2	Leader Hose	1
3	Sheath and Exhaust Duct	1
4	Sheath Clip	1
5	Hexagon Key (3mm)	1
6	Saw Blade	2
7	Needle Files	1 (set of 4)

## 5. OPERATION



### 5.1 Air Supply

Recommended hook-up procedure is shown in fig.2.

- 5.1.1 Ensure Air saw trigger is in the "off" position (fig.1) before connecting to the air supply.
- 5.1.2 You will require an air pressure of 90psi, and an air flow according to specification.
  - 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 be dangerous causing damage and/or personal injury.
- 5.1.3 Drain the air tank daily. Water in the air line will damage the tool.
- 5.1.4 Clean the air inlet filter weekly.
- 5.1.5 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.
- 5.1.6 Keep the hose away from heat, oil and sharp edges. Check the hose for wear, and make certain that all connections are secure.
  - WARNING! Ensure that you read, understand and apply the safety instructions in Section 1.**
  - WARNING! Disconnect from the air supply before changing the blades or files.**

### 5.2 Using the saw

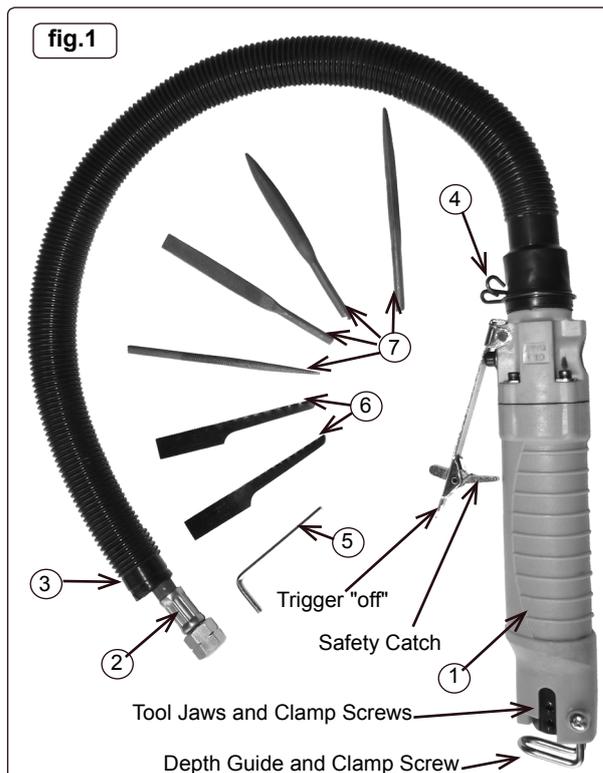
- 5.2.1 Loosen the blade socket set screws, slide the saw blade into the jaws full depth and tighten the socket set screws with item 5.
- 5.2.2 Ensure that the workpiece is properly secured and, if necessary, marked out.
- 5.2.3 Adjust the depth of cut by sliding the saw blade guide to the required position and secure by tightening the blade guide domed screw.
- 5.2.4 Start the saw by pushing the safety catch forward, then pushing the trigger down and bring the moving blade onto the workpiece.
  - DO NOT** attempt to start the saw with the stationary blade in contact with the workpiece.
- 5.2.5 If the cut starts within the bounds of the material, cut a starter slot by hacksaw.
- 5.2.6 If the cut ends within the material, allow the blade to come to a stop before removing the saw from the workpiece.
- 5.2.7 **DO NOT** allow the air tool to run free, for any length of time, as this will shorten the life of wearing parts.

### 5.3 Using the file

- 5.3.1 Select a file appropriate for the job (flat, triangular, round or semi round), loosen the jaws, slide the file into the jaws full depth and tighten the socket set screws with item 5.
- 5.3.2 Ensure that the workpiece is properly secured and, if necessary, marked out.
- 5.3.3 Start the saw by pushing the safety catch forward, then pushing the trigger down and bring the file to the work surface evenly and slowly. **DO NOT** attempt to start the air tool with the stationary file in contact with the workpiece.
- 5.3.4 Move the file back and forth in overlapping areas.
- 5.3.5 Remove the file from the work surface before stopping the air tool.
- 5.3.6 **DO NOT** allow the air tool to run free, as this will shorten the life of wearing parts.
- 5.3.7 Regularly check the file attachments for wear, always change them if cracked or damaged.

## 6. MAINTENANCE

- WARNING!** Disconnect saw from the air supply before changing the blade or file, servicing or performing maintenance. Replace 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 [Sealey part no's. ATO500S (500ml) or ATO1000S (1 Litre)].
- 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 5.
  - 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 air ways 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 the air supply, clean the tools and jaws with a brush or dry cloth. Wipe clean the composite body and sheath with a moist cloth and mild detergent. Store all 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): . . . . . 6.3 m/s<sup>2</sup>**

**Uncertainty value (k): . . . . . 2.5 m/s<sup>2</sup>**

*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 HSC website [www.hse.gov.uk](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.

### Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

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

**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.



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