SEALEY POWER TOOLS

INSTRUCTIONS FOR:
MINI RECIPROCATING AIR SAW / NEEDLE FILE
MODEL No: **SA347**

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 or file, servicing or performing maintenance.
✓ 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 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 work area.
✗ **DO NOT** use blades or files that are cracked or deformed.
✓ Ensure that blades and files are clamped tightly to the airtool.
✓ 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 is 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 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 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 tool for a task it is not designed to perform.
✗ **DO NOT** operate 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, or yank the hose from the air supply.
✗ **DO NOT** operate tool when you are tired or under the influence of alcohol, drugs or intoxicating medication.
✗ **DO NOT** carry the tool 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. SPECIFICATION

Suitable for a variety of body shop applications particularly where space is limited. Use as a cutting saw for panels or a file for de-burring and shaping metalwork.
Fitted with safety trigger device. Supplied with a starter pack of blades and files.

Free Speed:	7500spm
Stroke:	5.5mm
Maximum Cutting Capacity:	1.2mm (Steel & Aluminium)
Air Consumption:	4cfm
Operating Pressure:	90psi
Sound Pressure:	80dB.A
Vibration:	3.9m/s²
Air Inlet Size:	1/4"BSP
Weight:	0.5kg

3. PREPARATION

3.1 Air Supply

Recommended hook-up procedure is shown in fig.1.

3.1.1 Ensure Air saw trigger is in "off" position before connecting to the air supply.

3.1.2 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.

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

3.1.4 Clean air inlet filter weekly.

3.1.5 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.

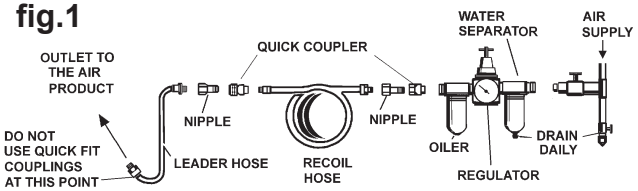
3.1.6 Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

3.2 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. A quick change coupling may then be used to connect the leader hose to the air line recoil hose (fig.2).

fig.1



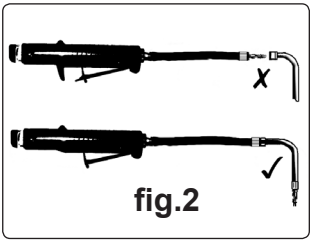


fig.2

4. OPERATION

❒ **WARNING! Ensure that you read, understand and apply the safety instructions in Section 1.**

❒ **WARNING! Disconnect from air supply before changing the blades or files.**

4.1 Using the saw

4.1.1 Loosen the blade set screws, slide the saw blade into place and tighten the blade set screws.

4.1.2 Ensure that the workpiece is properly secured and, if necessary, marked out.

4.1.3 Adjust the depth of cut by sliding the saw blade guide to the required position and secure by tightening the blade guide set screw.

4.1.4 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.

4.1.5 If the cut starts within the bounds of the material, cut a starter slot by handsaw.

4.1.6 If the cut ends within the material, allow the blade to come to a stop before removing the saw from the workpiece.

4.1.7 Do not allow the air tool to run free, whilst not being applied to the material, for any length of time, as this will damage the bearings.

4.2 Using the file

4.2.1 Select a file attachment appropriate for the job, loosen the blade set screws, slide the file into place and tighten the blade set screws.

4.2.2 Ensure that the workpiece is properly secured and, if necessary, marked out.

4.2.3 Start the saw by pushing the safety catch forward, then pushing the trigger down and bring the file to the the work surface evenly and slowly.

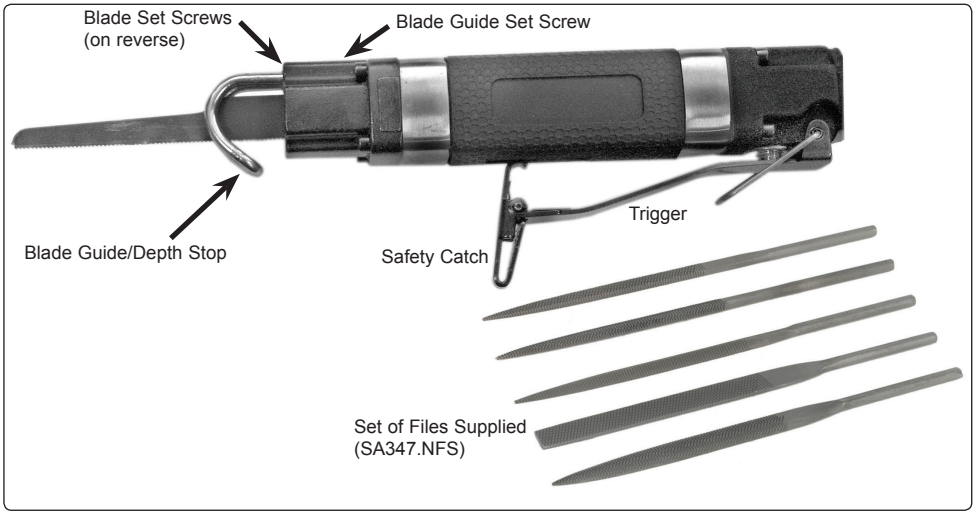
DO NOT attempt to start the air tool with the stationary file in contact with the workpiece.

4.2.4 Move the file back and forth in overlapping areas.

4.2.5 Remove the file from the work surface before stopping the air tool.

4.2.6 Do not allow the air tool to run free, whilst not being applied to the material, for any length of time, as this will damage the bearings.

4.2.7 Regularly check the file attachments for wear, always change them if cracked or damaged.



5. MAINTENANCE

❒ **WARNING!** Disconnect saw from air supply before changing the blade or file, 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 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)).

5.2 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 3.

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.

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

5.4 When not in use, disconnect from air supply, clean saw and store in a safe, dry, childproof location.

Risk of Hand Arm Vibration Injury.

Mini Reciprocating Air Saw/Needle File, Model No. SA347 when operated in accordance with these instructions and tested in accordance with BS EN 28662-1:1993, ISO 8662-1:1988 and BS EN ISO 8662-12:1997 in the following vibration emission declared in accordance with BS EN12096:1996.

Measured vibration emission value: .....3.9 m/s²

Uncertainty: .....1.56 m/s²

These values are suitable for comparison with emission levels of other tools that have been subject to the same test.

This tool may cause hand-arm vibration syndrome if its use is inadequately managed.

Recommended Measures to reduce risk of hand-arm vibration syndrome:

This tool should not be used by an individual regularly for more than 6 hours and 40 minutes in any 8 hour period. This duration of use should be reduced if the individual is exposed to hand-arm vibration from other sources.

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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SEALEY POWER TOOLS
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