



**Power  
TOOLS**

INSTRUCTION MANUAL FOR:  
**AIR BELT SANDER 20 X 520mm**  
MODEL No: **SA355.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 accessories or servicing.
- ✓ Maintain the sander 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 working area, free from unrelated materials and ensure there is adequate lighting.
- ✓ Before each use check abrasive belt for condition. If worn or damaged replace immediately.
- ✓ Use only the correct size and type of sanding belt with this sander.
- ✓ Ensure there are no flammable or combustible materials near the work area.
- WARNING!** Always wear approved eye or face and hand protection when operating the sander.
- ✓ Use face, dust, or respiratory protection in accordance with COSHH regulations.
- ✓ Depending on the task, sander noise level may exceed 85dB, in which case wear safety ear defenders.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, other 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 sander. Never hold a workpiece by hand.
- ✓ Check the workpiece to ensure there are no protruding screws, bolts, nuts, nails, rivets, etc.
- ✓ Avoid unintentional starting.
- 3 Ensure the abrasive belt rating is the same as, or, greater than the RPM rating of the sander.
- 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.
- ✓ Prolonged exposure to vibration from this sander poses a health risk. It is the owner's responsibility to correctly assess the potential hazard and issue guidelines for safe periods of use and offer suitable protective equipment.
- x **DO NOT** use the sander for a task it is not designed to perform.
- x **DO NOT** operate sander if any parts are damaged or missing as this may cause failure and/or personal injury.
- WARNING! DO NOT** sand any materials containing asbestos.
- x **DO NOT** carry the sander by the hose, or yank the hose from the air supply.
- x **DO NOT** force, or apply heavy pressure to, the sander, let the sander do the work.
- x **DO NOT** switch the sander on whilst the belt is in contact with the workpiece.
- x **DO NOT** operate sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** use sander where there are flammable liquids, solids or gases such as paint solvents and including waste wiping or cleaning rags etc.
- x **DO NOT** carry the sander with your finger on the power lever.
- x **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.
- 7 **DO NOT** get the sander wet or use in damp or wet locations.
- 7 **DO NOT** place attachments close to your face and do not point at other persons or animals.

### **⚠ 1.2. LEAD PAINT WARNING!**

Paint once contained lead as a traditional ingredient. The dust from the removal of such paint is toxic if ingested/inhaled and must, therefore, be avoided. The following actions must be taken before using the sander on a surface that you suspect may contain lead paint.

1. User must determine potential hazard relating to age of paint to be removed.  
(Modern paints do not have lead content).
2. **DANGER!** Keep all persons and pets away from the work area. The following persons are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children.*
3. We recommend personal protection by using the following safety items:
  - a) Paint Spray Respirator (Sealey ref. SSP1699)
  - b) PE Coated Hooded Coverall (Sealey ref. SSP267).
  - c) Latex Gloves (Sealey ref. SSP24).
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) above and thoroughly clean all areas when task is complete. Ensure paint waste is disposed of in sealed bags or containers according to local regulations.

## **2. INTRODUCTION & SPECIFICATION**

Aluminium housing with articulated sanding arm. Features belt tracking control, heavy-duty nose roller and one-handed trigger operation. Composite handle with exhaust reduces chill and noise level. Suitable for sanding otherwise inaccessible areas such as around door shuts. Extra width of belt makes tool suitable for welding work too. Replacement belts readily available.

### **Specification**

Belt . . . . .	20 x 520mm	Weight . . . . .	1.3kg
Air Pressure . . . . .	90psi	Noise Power . . . . .	.97dB(A)
Air Consumption . . . . .	15cfm	Noise Pressure . . . . .	.86dB(A)
Air Inlet . . . . .	1/4" BSP		

## **3. PREPARING FOR USE**

### **3.1. Air Supply**

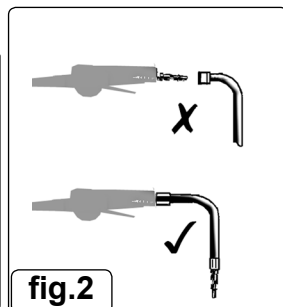
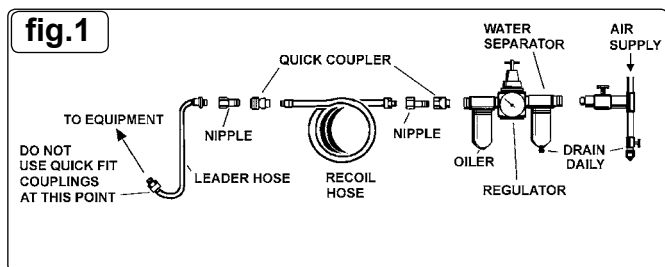
- 3.1.1. Ensure the sander air valve (or throttle) is in the "off" position before connecting to the air supply.
- 3.1.2. You will require an air pressure between 70-90psi, and an air flow of 15cfm.

**WARNING!** Ensure the air supply is clean and does not exceed 90psi. 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 sander **and will invalidate your warranty.**
- 3.1.4. Clean compressor air inlet filter weekly. Recommended hook-up procedure is shown in fig.1.
- 3.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose size should be 1/4" internal diameter with fittings of compatible dimensions.
- 3.1.6. Keep hoses away from heat, oil and sharp edges. Check hoses 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 air sander. To overcome this, connect a leader hose to the sander (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. See figs.1 & 2.

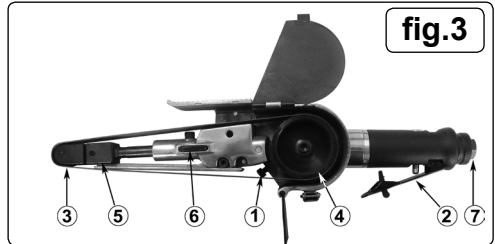


## 4. OPERATING INSTRUCTIONS

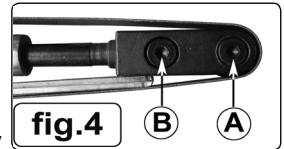
- 4.1. Unpack the product and check contents against the parts listed below. If there is anything damaged or missing contact your supplier immediately.

Contents:

- a) SA355 Belt Sander.
- b) Spare sanding Belt
- c) 1 x Hex. Key



- WARNING! Ensure that you have read, understood and apply Section 1 safety instructions.**
- 4.2. Referring to fig. 3, loosen the clamp bolt (1) to allow the angle between the grip and the belt to be altered to suit the job in hand. After adjustment retighten the clamp bolt.
- 4.3. Once connected to the air supply the sander is started by pushing the lock and squeezing the trigger (2).
- 4.4. To remove and replace the sanding belt push the nose roller (3) towards the drive pulley (4) against spring pressure. The nose roller bracket (5) will retract and lock allowing removal/fitting of the belt. When the new belt is in position release the pulley bracket by pushing in and holding the nose roller bracket (5), then press and hold the tension bar (6) whilst releasing the pressure on the nose roller bracket.
- 4.5. The tracking of the belt can be altered by adjusting the two recessed hex socket screws on the nose roller bracket (see fig.4). Turning the screw 'A' in either direction will alter the lateral position of the nose roller within its bracket. Turning the screw 'B' in either direction will alter the lateral position of the complete nose roller bracket in relation to the body of the sander.
- 4.6. To adjust the track of the belt, disconnect the sander from the air supply and remove the belt as described in paragraph 4.4. Loosen the lock nut holding screw 'B' in position so that screw 'B' can be easily adjusted using the hex key provided. Replace the belt, reconnect the air supply and operate the sander, observing the track of the belt. Adjust the track of the belt by turning the screws 'A' and 'B' until the belt is running true. When the belt is running true, switch off, disconnect from the air supply and remove the belt. Secure screw 'B' into position with the lock nut and replace the belt.



## 5. MAINTENANCE

- WARNING! Disconnect sander from 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.**
- 5.1. If the air supply system does not have an oiler, lubricate the sander daily with a few drops of a good grade air tool oil, such as Sealey ATO500S, dripped into the air inlet (fig.3.7) before use.
- 5.2. Clean the sander after use and change belt when required.
- 5.3. Loss of power or erratic action may be due to the following:
- a) Excessive drain on the air supply. 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 sander may also reduce performance. If your model has an air filter (located in the area of the air inlet), remove the filter and clean it. Flush the sander 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.
- 5.4. For a full service contact your local Sealey service agent.
- 5.5. When not in use, disconnect from air supply, clean and store in a safe, dry, childproof location.



### Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste.

All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

**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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**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 to be operated in accordance with these instructions.

**Measured vibration emission value (a): . . . . . 0.89m/s<sup>2</sup>**

**Uncertainty value (k):. . . . . 0.58m/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.