



# 1/2"SQ DRIVE STUBBY AIR IMPACT WRENCH - TWIN HAMMER

MODEL NO: SA203.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 & 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 instructions



Wear eye protection



Wear protective gloves



Wear safety footwear



Wear protective clothing



Wear ear protection



Wear respiratory protection

## 1. SAFETY

- WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems it is recommended that suitable respiratory protection is worn.
- ✓ Follow all workshop safety rules, regulations, and conditions when using wrench.
- WARNING!** Disconnect from the air supply before changing accessories or servicing.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
- ✓ Keep the air hose away from heat, oil and sharp edges. Check the air hose for wear before each use and ensure that all connections are secure.
- ✓ Only use impact sockets which are specifically designed for use with an impact wrench.
- ✓ Wear approved safety eye/face shield, ear defenders and hand protection.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and non essential persons away from the working area.
- \* **DO NOT** use worn, or damaged sockets.
- \* **DO NOT** use the wrench for a task that it is not designed to perform.
- WARNING! DO NOT** use wrench if damaged or thought to be faulty. Contact a Service Agent.
- \* **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- \* **DO NOT** carry the wrench by the air hose, or yank the hose from the air supply.
- \* **DO NOT** operate wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- \* **DO NOT** carry the wrench with your hand on the power trigger, in order to avoid unintentional starting.
- \* **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.

**NOTE:** Use a calibrated torque wrench for final tightening

## 2. INTRODUCTION

Combination of composite materials, alloyed metals and twin hammer design, result in a lightweight, durable and powerful air impact wrench. Composite handle helps reduce the effects of vibration and chill. Stubby length of 120mm from anvil to rear casing allows access into tight areas. Handle exhaust reduces noise output and limits the circulation of brake dust on wheel applications. One hand operation with three-speed selector switch and forward/reverse control at your fingertips. Suitable for garage, tyre shop and workshop applications.

## 3. SPECIFICATION

Model No:.....SA203.V2  
 Air Consumption: ..... 5cfm  
 Breakaway Torque: .....524lb.ft (710Nm)  
 Drive: ..... 1/2" Sq  
 Free Speed: ..... 9000rpm  
 Inlet Size: ..... 1/4" BSP  
 Maximum Torque:.....450lb.ft (610Nm)  
 Noise Power/Pressure: ..... 102/91dB(A)  
 Operating Pressure:..... 90psi  
 Vibration/Uncertainty:.....4/2m/s<sup>2</sup>

## 4. PREPARATION

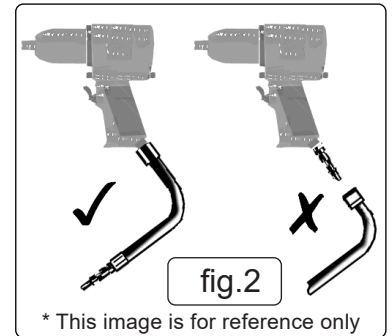
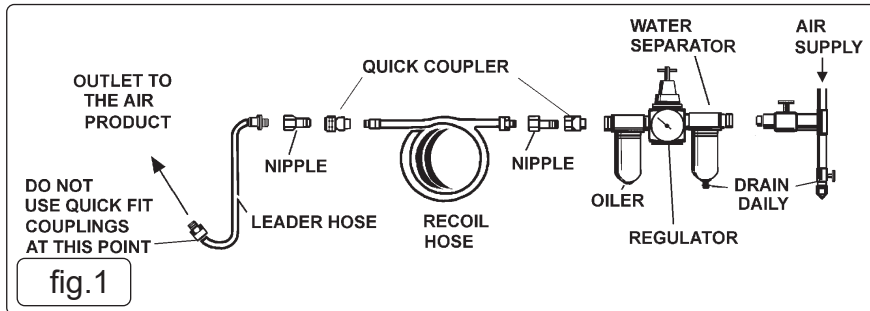
- ❑ **WARNING!** Ensure the air supply is clean and does not exceed 90psi whilst operating the wrench. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury

### 4.1. AIR SUPPLY

- 4.1.1. Ensure wrench air valve (or trigger) is in the "off" position before connecting to the air supply.
- 4.1.2. An air pressure of 90psi is required, and an air flow according to specification.
- 4.1.3. Drain the compressor air tank daily. Water in the air line will damage the wrench.
- 4.1.4. Clean compressor air inlet filter weekly. Recommended hook-up procedure is shown in fig.1.
- 4.1.5. 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.
- 4.1.6. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

### 4.2. COUPLINGS

Vibration may cause failure if a quick change coupling is connected directly to the wrench. To overcome this, connect a leader hose to the wrench. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See figs.1 & 2.



## 5. OPERATION

- ❑ **WARNING! Ensure you read, understand and apply safety instructions before use.**

- 5.1. Only use impact sockets which are specifically designed for use with a impact wrench.
- 5.2. Connect the wrench to the air hose as in Section 4.
- 5.3. Place the socket over the subject nut and depress the trigger to operate the wrench.
- 5.4. To change direction turn the air regulator on the front of the body to the desired direction.
- 5.5. The air flow can be regulated by adjusting the air regulator on the front of the body to one of the 3 positions.
- × **DO NOT** use any additional force upon the wrench in order to remove a nut.
- × **DO NOT** allow the wrench to free run for an extended period of time, as this will reduce the life of the bearings.

**NOTE:** Use a Calibrated Torque Wrench for Final Tightening.

## 6. MAINTENANCE

- ❑ **WARNING!** Disconnect the wrench from the air supply before changing accessories, servicing or performing maintenance.
- 6.1. Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- 6.2. If the air system does not have an oiler, lubricate the air wrench daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 6.3. Check and top up the gearbox by removing grub screw located under the impact head.
- 6.4. Clean the wrench after use.
- 6.5. 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 pipe. Incorrect size or type of hose connectors. To remedy, check the air supply and follow the instructions in section 4.
  - b) Grit or gum deposits in the wrench may also reduce performance. If the model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE No.10 oil and paraffin. Allow to dry before use.
- 6.6. For a full service contact your local Sealey service agent.
- 6.7. When not in use, disconnect from air supply, clean the wrench and store in a safe, dry, childproof location.



### 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.

**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](mailto: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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