

Item	Part No	Description	Item	Part No	Description
1	SA291 V2-01	OIL SEAL	29	SA291 V2-29	SCREW
2	SA291 V2-02	SCREW	30	SA291 V2-30	TRIGGER
3	SA291 V2-03	WASHER	31	SA291 V2-31	SET PIN
4	SA291 V2-04	HOUSING	32	SA291 V2-32	SET PIN
5	SA291 V2-05	SEAL PLATE	33	SA291 V2-33	O-RING
6	SA291 V2-06	BUSHING	34	SA291 V2-34	INLET CONNECTOR
7	SA291 V2-07	WASHER	35	SA291 V2-35	SLEEVE
8	SA291 V2-08	RETAINER RING	36	SA291 V2-36	PIN
9	SA291 V2-09	O-RING	37	SA291 V2-37	PLUG
10	SA291 V2-10	ANVIL 2"	38	SA291 V2-38	SPRING
11	SA291 V2-11	HAMMER PIN	39	SA291 V2-39	O-RING
12	SA291 V2-12	HAMMER	40	SA291 V2-40	SET SCREW
13	SA291 V2-13	DRIVE CAM	41	SA291 V2-41	O-RING
14	SA291 V2-14	HAMMER CAGE	42	SA291 V2-42	NUT
15	SA291 V2-15	WASHER	43	SA291 V2-43	SET PIN
16	B6208-2RS	BEARING, 6208	44	SA291 V2-44	BRASS SLEEVE
17	SA291 V2-17	NUT	45	SA291 V2-45	SET PIN
18	SA291 V2-18	HOUSING	46	SA291 V2-46	PLUNGER
19	B6205	BEARING	47	SA291 V2-47	O-RING
20	SA291 V2-20	FRONT PLATE	48	SA291 V2-48	SWITCH
21	SA291 V2-21	SET PIN	49	SA291 V2-49	SET PIN
22	SA291 V2-22	CYLINDER	50	SA291 V2-50	SPRING
23	SA291 V2-23	ROTOR	51	SA291 V2-51	STEEL BALL
24	SA291 V2-24	ROTOR BLADE	52	SA291 V2-52	HANDLE
25	SA291 V2-25	REAR PLATE	53	SA291 V2-53	SCREW
26	SA291 V2-26	SET PIN	54	SA291 V2-54	WASHER
27	SA291 V2-27	OIL SEAL	55	SA291 V2-55	SCREW
28	SA291 V2-28	REAR COVER			

Issue: 1  
Date: 30/11/05

INSTRUCTIONS FOR:  
**1"SQ DRIVE AIR IMPACT WRENCH**  
(EXTRA HEAVY DUTY)  
Model: SA291.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**

- ✓ Follow all workshop safety rules, regulations and conditions when using wrench.
- ☐ **WARNING!** Disconnect from 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 air hose away from heat, oil and sharp edges. Check 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 eyeface shield, ear defenders and hand protection.
- ☐ **WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend you wear suitable respiratory 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.
- ☐ **WARNING!** **DO NOT** use wrench if damaged or thought to be faulty (Contact 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** use the wrench for a task it is not designed to perform.
- ☐ **DO NOT** carry wrench with your finger 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.

**2. INTRODUCTION & SPECIFICATION**

Suitable for heavy commercial tyre shop, fleet and workshop use. Features air/torque device, to control power output, and reverse action. Long pattern anvil gets into deeply dishd wheels. Supplied with side handle.

Drive size	..... 1" Sq	Operating pressure	..... 90psi
Working max torque	..... 1350 lb.ft	Air inlet size	..... 1/2" BSP
Air consumption	..... 21cfm	Weight	..... 14.2kg

**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 equipment.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** Call us for a copy of our latest catalogue and promotions on 01284 757525 and leave your full name and address including your postcode.

Sole UK Distributor, Sealey Group, Bury St. Edmunds, Suffolk.

**SEALEY POWER TOOLS**

01284 757500 sales@sealey.co.uk  
01284 703534 www.sealey.co.uk

### 3. PREPARING WRENCH FOR USE

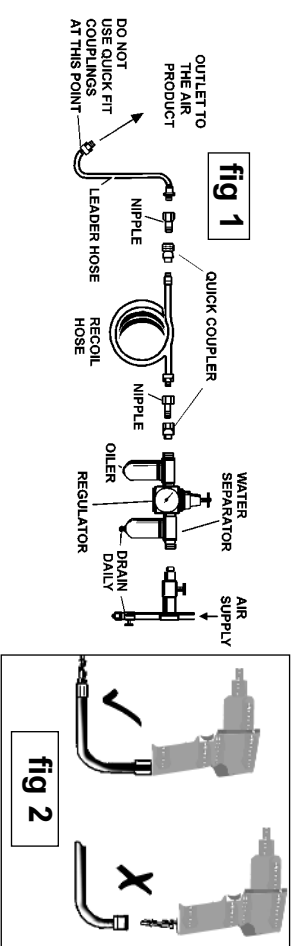
#### 3.1. Air Supply

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

- 3.1.1. Ensure wrench air valve (or trigger) is in the "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.
- 3.1.3. **WARNING!** Ensure the air supply is clean and does not exceed 90 psi while operating the wrench. 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.
- 3.1.4. Drain the compressed air tank daily. Water in the air line will damage the wrench.
- 3.1.5. Clean air inlet filter weekly.
- 3.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/2" I.D. and fittings must have the same inside dimensions.
- 3.1.7. 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 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**.



### 4. OPERATING INSTRUCTIONS

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

- 4.1. Only use impact sockets which are specifically designed for use with an impact wrench.
- 4.2. Connect the wrench to the air hose as in chapter 3.
- 4.3. Place the socket over the fixing and depress the trigger to operate the wrench.
- 4.4. To change wrench direction, rotate the stepped rotary control left or right.
- 4.5. The air flow is also regulated by turning the stepped rotary control.



**DO NOT** use any additional force upon the wrench in order to remove a fixing. **DO NOT** allow wrench to free run for an extended period of time as this will shorten its life.

### 5. MAINTENANCE

**WARNING!** Disconnect wrench 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 does not have an oiler, lubricate the wrench daily with a few drops of Sealey air tool oil dripped into the air inlet.
- 5.2. Clean the wrench after use. **DO NOT** use worn, or damaged sockets.
- 5.3. 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 instructions in chapter 3.
  - b) Grit or gum deposits in the wrench 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 wrench out with gum solvent oil or an equal mixture of SAE No 10 oil and paraffin. Allow to dry before use.
- 5.4. For a full service contact your local Sealey service agent.
- 5.5. When not in use, disconnect from air supply, clean wrench and store in a safe, dry, childproof location.

#### Risk of Hand Arm Vibration Injury

<sup>†</sup>SO DRIVE SUPER HEAVY DUTY AIR IMPACT WRENCH, SA291.V2 when operated in accordance with these instructions and tested in accordance with EN 28662-2: 1994 results in the following vibration emission declared in accordance with BS EN12096: 1996.

Measured vibration emission value: ..... 11.0 m/s<sup>2</sup>  
 Uncertainty: ..... 15.4m/s<sup>2</sup>  
 Noise: ..... 103 dB pressure.

**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 item represents a High Hand Arm Vibration risk to users. The calculated minimum usage period exceeds 50 minutes. We recommend appropriate safety equipment is utilised and regular breaks for the operator are employed to reduce any residual risk of fatigue or repetitive strain injury.

### Declaration of Conformity



We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives. The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

#### EXTRA HEAVY DUTY AIR IMPACT WRENCH

Model: SA291.V2

98/37/EC Machinery Directive

93/68/EEC Marking Directive

Signed by Mark Sweetman

24th November 2005

For Jack Sealey Ltd, Sole Importer into the UK  
 of Sealey Power Tools

**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 equipment.

**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.



Sole UK Distributor, Sealey Group, Bury St. Edmunds, Suffolk.  
 01284 757500 sales@sealey.co.uk  
 01284 703534 www.sealey.co.uk