

Issue: 2  
Date Issued: 121202

Item	Part No.	Description
1	SA91/01	Motor Housing
2	SA91/02	Anvil Bushing
3	SA91/03	Oil Seal
4	SA91/04	Nose Guard
5	SA91/05	Throttle Lever
6	SA91/06	Throttle Pin
7	SA91/07	Oiler Screw
8	SA91/08	O-Ring
9	SA91/09	Back Cap
10	SA91/10	Air Inlet Block
11	SA91/11	O-Ring
12	SA91/12	O-Ring
15	SA91/15	Regulator
16	SA91/16	O-Ring
17	SA91/17	Retainer Plate

Item	Part No.	Description
19	SA91/19	Screw
20	SA91/20	Fixing Ring
21	SA91/21	Retaining Ring
22	SA91/22	Valve Spring
23	SA91/23	Valve Seat
24	SA91/24	Valve
25	SA91/25	Plunger Spring
26	SA91/26	Plunger
27	SA91/27	Back Cap Gasket
28	B/607ZZ	Bearing
29	SA91/29	Rear End Plate
30	SA91/30	Rotor
32	SA91/32	Rotor Blade
33	SA91/33	Cylinder
34	SA91/34	Motor Pin

Item	Part No.	Description
35	SA91/35	Front End Plate
36	SA91/36	Oil Seal
37	B/608ZZ	Bearing
38	SA91/38	O-Ring
39	SA91/39	Snap Ring
40	SA91/40	Hammer Cage
41	SA91/41	Cam
42	SA91/42	Hammer
43	SA91/43	Hammer Pin
44	SA91/44	Anvil
45	SA91/45	O-Ring
46	SA91/46	Socket Set Ring
47	SA91/47	Cage Bushing
48	SA91/48	Lock Washer
49	SA91/49	Cap Screw

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 Health & Safety and general workshop rules, regulations and conditions when using the 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 eye/face 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 that the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and non-essential persons away from the work area.
- x **DO NOT** use the wrench for a task that it is not designed to perform.
- ❑ **WARNING! DO NOT** use the wrench if it is damaged or thought to be faulty.
- x **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- x **DO NOT** carry the wrench by the air hose, or yank the hose from the air supply.
- x **DO NOT** operate the wrench if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x To avoid unintentional starting **DO NOT** carry the wrench with your finger on the trigger.
- x **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use, disconnect from the air supply and store in a safe, dry, childproof location.

**2. INTRODUCTION & SPECIFICATION**

**2.1. Introduction**  
Finger-tip forward/reverse throttle control. Fitted with rocking-dog clutch, 9-position air/torque control and Z-swivel air inlet. One-handed operation and compact size make this tool especially suitable for engine-bay work.

**2.2. Specification**

Drive . . . . .	3/8"sq	Air Inlet . . . . .	1/4" BSP
Working/Max Torque . . . . .	.90/120lb.ft	Weight . . . . .	.0.9kg
Ultimate Torque . . . . .	200lb.ft	Vibration . . . . .	.3m/s <sup>2</sup>
Air Consumption . . . . .	.2.5cfm	Noise . . . . .	.103.8dBA
Operating Pressure . . . . .	.90psi		

**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.

### 3. AIR SUPPLY & COUPLINGS

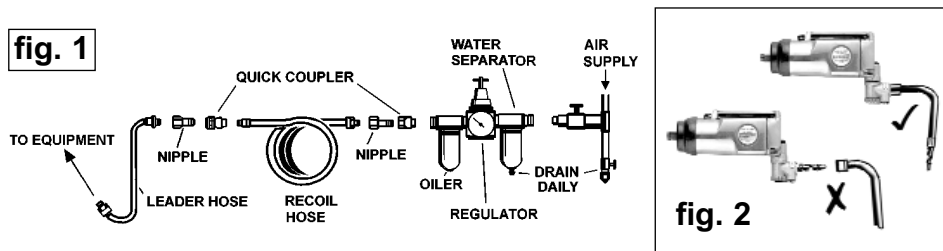
#### 3.1. Air Supply

Recommended hook-up is shown in fig 1.

- 3.1.1. Ensure that the wrench trigger is in the "Off" position before connecting the air supply.
- 3.1.2. You will require an air pressure of 90psi and an air flow of 2.5cfm.  
 **WARNING!** Ensure that the air supply is clean and does not exceed 90 psi. Too high an air pressure and/or unclean air will cause excessive wear and may result in damage and/or personal injury.
- 3.1.3. Drain the compressor air tank daily. Water in the air line will damage the wrench.
- 3.1.4. Clean compressor air inlet filter weekly.
- 3.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). Hose internal diameter and the bore of fittings should be 1/4" minimum.
- 3.1.6. Keep hose away from heat, oil and sharp edges. Before each use check hose for wear and make certain that all connections are secure.

#### 3.2. Couplings

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



### 4. OPERATING INSTRUCTIONS

- WARNING!** Ensure that 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. DO NOT use worn or damaged sockets.
  - 4.2. Connect the wrench to the air supply as described in Section 3.
  - 4.3. Place the socket over the nut/bolt and depress the trigger to operate the wrench.
  - 4.4. To change rotation, push the opposite side of the trigger. Press the side marked F for forward (clockwise) and the side marked R for reverse (anticlockwise).
  - 4.5. The flow of air may be regulated by adjusting the flow valve at the base of the handle.
  - 4.6. DO NOT use any additional force on the wrench in order to loosen/tighten a fixing.
  - 4.7. DO NOT allow the wrench to free-run for an extended period as this may damage the bearings.

### 5. MAINTENANCE

- WARNING!** Disconnect the wrench from the 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 wrench daily with a few drops of Sealey air tool oil dripped into the air inlet.

- 5.2. On a monthly basis lubricate the wrench mechanism with machine oil via the screw plug just in front of the throttle lever.
- 5.3. Clean the wrench after use.
- 5.4. 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 rectify, check the air supply and follow instructions in Section 3.
  - b) Grit or gum deposits in the wrench will also reduce performance. If your model has an air strainer (located in the air inlet), remove the strainer and clean it. Flush the wrench out with gum solvent oil or an equal mixture of SAE 10 oil and paraffin. Allow to dry before use.
- 5.5. When not in use, disconnect from the air supply, clean and store in a safe, dry, childproof location.



### 6. DECLARATION OF CONFORMITY

#### Declaration of Conformity

**CE** 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.

**Air Impact Wrench**

**Model: SA91**

98/37/EC Machinery Directive  
93/68/EEC Marking Directive

Signed by Mark Sweetman

5th December 2002

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Tools.