

Item	Part No	Description	Item	Part No	Description
1	SA651/01	MOTOR HOUSING	19	SA651/19	BALL BEARING
2	SA651/02	VALVE BUSHING	20	SA651/20	REAR END PLATE
3	SA651/03	LEVER PIN	21	SA651/21	PIN
4	SA651/04	VALVE STEM	22	SA651/22	CYLINDER
5	SA651/05	O-RING	23	SA651/23	ROTOR BLADE
6	SA651/06	O-RING	24	SA651/24	ROTOR
7	SA651/07	SPRING	25	SA651/25	FRONT END PLATE
8	SA651/08	REGULATOR	26	SA651/26	WASHER
9	SA651/09	O-RING	27	SA651/27	ANNULAR GEAR
10	SA651/10	O-RING	28	SA651/28	PINION GEAR
11	SA651/11	VALVE SCREW	29	SA651/29	NEEDLE BEARING
12	SA651/12	THROTTLE LEVER	30	SA651/30	GEAR COMPLETE
13	SA651/13	STOP ROD	31	SA651/31	PIN
14	SA651/14	SPRING	32	SA651/32	BALL BEARING
15	SA651/15	PIN	33	SA651/33	HEXAGON NUT
16	SA651/16	SILENCER	34	SA651/34	HOSE HOUSING
17	SA651/17	DEFLECTOR	35	SA651/35	SPANNER WRENCH (14MM)
18	SA651/18	AIR INLET			

Original Date: 010700  
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 Version No: 0  
 Date Modified: N/A

# AIR TYRE BUFFER

Models: **SA651**

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 OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

## 1. SAFETY INSTRUCTIONS

- 3 Follow all workshop safety rules, regulations, and conditions when using buffer.
- p **WARNING!** Disconnect from air supply before changing accessories or servicing.
- 3 Maintain the buffer in good condition and replace any damaged or worn parts. *Use genuine parts only. Non-authorized parts may be dangerous and will invalidate the warranty.*
- p **WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
- 3 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.
- 3 Wear approved safety eye/face shield, ear defenders, and hand protection.
- 3 Only use buffer bits which are specifically designed for use with this air tool.
- 3 Ensure tyre is adequately secured before using the buffer.
- 3 Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- 3 Keep children and non essential persons away from the working area.
- 7 DO NOT use the buffer for a task it is not designed to perform.
- p **WARNING! DO NOT** use buffer if damaged or thought to be faulty. (Contact Service Agent).
- 7 DO NOT use buffer unless you have been instructed in its use by a qualified person.
- 7 DO NOT carry the buffer by the air hose, or yank the hose from the air supply.
- 7 DO NOT operate buffer if you are tired, under the influence of alcohol, drugs or intoxicating medication.
- 7 DO NOT carry buffer with your hand on the power trigger in order to avoid unintentional starting.
- 7 DO NOT direct air from the air hose at yourself or others.
- 3 When not in use disconnect from air supply and store in a safe, dry, childproof location.

## 2. INTRODUCTION & SPECIFICATIONS

Geared tyre buffer with shaped composite cover moulded around lightweight aluminium alloy housing for ultimate comfort and control. Quality air motor with Japanese/Swedish bearings for smooth and powerful operation. Integral sintered brass baffle with rear exhaust gives quiet operation. Fitted safety trigger. Supplied with spanner.

Free speed . . . . . 2500rpm  
 Air consumption . . . . . 4cfm  
 Operating pressure . . . . . 90psi

Air inlet size . . . . . 1/4" BSP  
 Weight . . . . . 0.9kg

**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.

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### 3. PREPARING BUFFER FOR USE

#### 3.1. Air Supply

- 3.1.1. Ensure buffer 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 buffer. 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 air tank daily. Water in the air line will damage the buffer.
- 3.1.5. Clean air inlet filter weekly. Recommended hook-up procedure is shown in fig 1.
- 3.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" 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 buffer. To overcome this, connect a leader hose to the buffer. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See fig 1 & 2.

fig 1

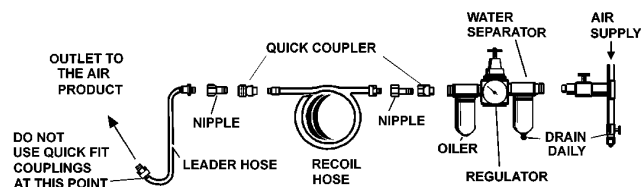
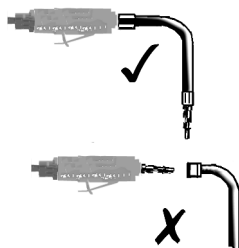


fig 2



### 4. OPERATING INSTRUCTIONS

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

- 4.1. Only use tyre buffing tool bits which are specifically designed for use with the air buffer.
- 4.2. Use wrenches enclosed to lock buffing tool to collar.
- 4.3. Connect the buffer to the air hose as in chapter 3.
- 4.4. To start, hold firmly and push the trigger locking lever forward whilst depressing trigger. The buffer must be running at its maximum speed and then slowly and smoothly bring the buffer toward the workpiece. Exert adequate pressure on the buffer as required. Avoid subjecting buffer to excessive strain or harsh impacts. Hold buffer firmly and maintain a controlled adequate progression.  
DO NOT use any additional force upon the buffer
- 4.5. The flow of air may be regulated by turning the knob on the underside of the air tool.

DO NOT allow buffer to free run for an extended period of time as this will shorten its life.

### 5. MAINTENANCE

- WARNING!** Disconnect buffer from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Non-authorized parts may be dangerous and will invalidate the warranty.*
- 5.1. Lubricate the air buffer daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.
  - 5.2. Clean the buffer after use. DO NOT use worn, or damaged cones or bits.
  - 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 buffer 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 buffer 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 buffer and store in a safe, dry, childproof location.

### Declaration of Conformity



We, the sole importer into the UK, declare that the product listed here is in conformity with the following EEC 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 TYRE BUFFER**

**Model: SA651**

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

Signed by Mark Sweetman

1st July 2000

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