

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.**

**1. SAFETY INSTRUCTIONS**

- ✓ Familiarise yourself with the applications and limitations, as well as any potential hazards, of the kit.
- ✓ Keep this product in good working order and condition. (take immediate action to repair or replace damaged parts).
- ✓ Use approved parts only (unapproved parts may be dangerous and will invalidate the warranty).
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Ensure the work area has adequate lighting.
- x **DO NOT** use the kit to perform a task for which it is not designed.
- x **DO NOT** allow untrained persons to use the kit.
- x **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✓ After use, clean equipment and store in a cool, dry, childproof area.
- ✓ Dispose of waste liquids in accordance with local authority regulations.
- ✓ Always read and comply with the warnings on the brake fluid container.
- ✓ Wear eye protection and keep skin contact to a minimum. If brake fluid enters eyes rinse with plenty of water and seek medical advice. If swallowed seek medical advice immediately.
- **WARNING!** Brake fluid is flammable - keep away from sources of ignition, including hot surfaces e.g. exhaust manifold.
- **WARNING!** Brake fluid will damage paintwork. Any spillage should be flushed with water immediately.

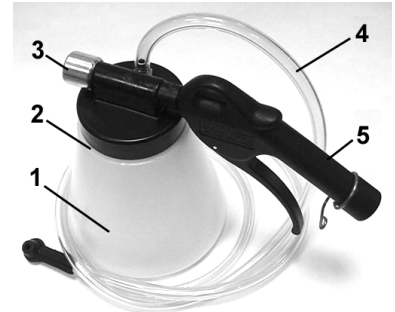


fig.1

**2. INTRODUCTION & SPECIFICATION**

The VS020 pneumatic brake bleeder enables simple, one man operation using a standard workshop air supply ( 90 to 120psi ). Quick clean and efficient operation without requiring specialised brake reservoir caps. Draws fluid from the brake nipple enabling brake bleeding or full replacement of fluid in the system.

Inlet air pressure	.6 - 12 bar (87 - 174psi)
Container capacity	.0.75 litres
Air consumption	.180 ltr/min
Vacuum	.60%
Thread connection	.1/4" female BSP

**3. OPERATION**

**3.01 Brake bleeding procedure.**

- **WARNING! Familiarise yourself with the hazards of brake fluid - read manufacturers instructions on the container. Do not touch the vehicles brake pedal whilst bleeding the brakes.**
- 3.02 Refer to the vehicle manufacturer's instructions for brake bleeding and wheel order sequence before proceeding. If no specific instructions from the vehicle manufacturer exist, follow the instructions detailed below.
- 3.03 Remove the lid of the vehicle's brake fluid reservoir. ( See fig.2 )
- 3.04 Connect the brake bleeder to a suitable compressed air unit.
- 3.05 Mount the black rubber pipe onto the brake nipple on the first wheel and open the nipple about 1/4 of a turn. ( See fig.3 )
- 3.06 Activate the brake bleeder's trigger. The vacuum created will draw the brake fluid from the vehicle's brake system ( See fig.4 )
- 3.07 Check the level of the brake fluid in the reservoir and top up if necessary.
- 3.08 Continue to bleed the system and top up the reservoir until there are no air bubbles visible in the clear tube. ( See fig.5 )
- 3.09 Close the brake nipple. ( See fig.3 )
- 3.10 Remove the rubber pipe from the brake nipple.
- 3.11 Depress the trigger to clear brake fluid from the clear pipe.
- 3.12 Repeat the process at each wheel in turn.
- 3.13 **Changing the brake fluid**
- 3.14 Repeat the brake bleeding procedure as described above until the master cylinder reservoir is at its minimum level. Fill the reservoir with new brake fluid and continue to bleed the system. ( Check reservoir level regularly. )
- 3.15 When new fluid can be seen in the clear tube tighten the brake nipple.
- 3.16 Repeat this procedure at every wheel.
- When brake bleeding and/or fluid changing is complete, test action of brake pedal to ensure that the brakes are working before driving the vehicle.**
- 3.17 Apply copper grease to the brake bleeding nipples before and after the brake bleeding procedure to eliminate the possibility of seized or broken nipples when the brakes are next bled. ( See fig.6 )

**Spare parts.** (See fig.1)  
 (1 Plastic container 390/143201), (2 'O' ring 390/143206), (3 Silencer 390/143800)  
 (4 Hose & pipe 390/143816), (5 Handle/screw cap 390/143814).

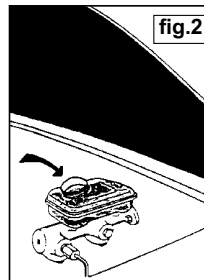


fig.2

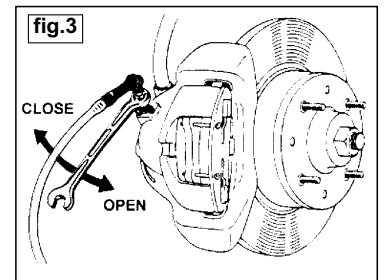


fig.3

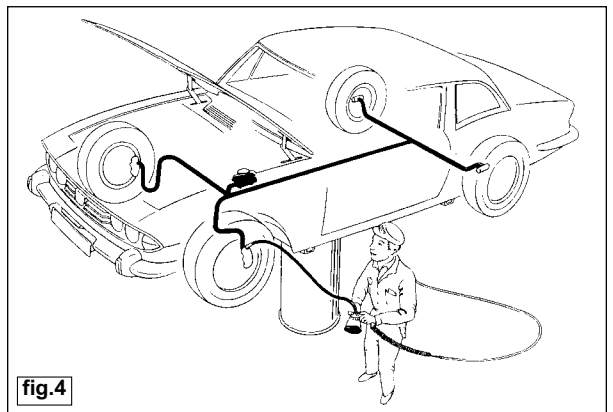


fig.4

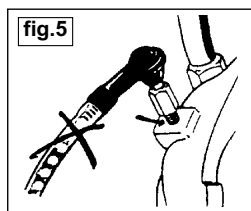


fig.5

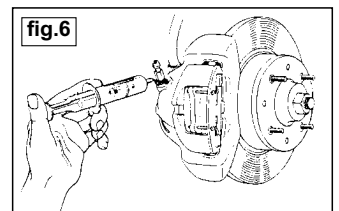


fig.6

**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 01284 757525 and leave your full name and address, including postcode.