



# PNEUMATIC VACUUM BRAKE BLEEDER

MODEL NO: VS021.V3

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  
instruction  
manual



Wear eye  
protection



Wear protective  
gloves

## 1. SAFETY

- ✓ 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.
- ✗ **DO NOT** use the kit to perform a task for which it is not designed.
- ✗ **DO NOT** allow untrained persons to use the kit.
- ✗ **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.
- WARNING!** **DO NOT** pollute the environment by allowing uncontrolled discharge of fluids.
- ✓ Always read and comply with the warnings on the brake fluid container.
- ✓ Wear eye and skin protection. 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.

## 2. INTRODUCTION

Simple, one man operation using standard workshop air supply (90-120psi). Quick, clean and efficient. Does not require specialised brake reservoir caps. Draws fluid from the bleed nipple enabling either bleeding or full replacement of fluid in system. Includes reservoir top-up kit guidance notes. Utilises same vacuum unit as Model no. VS020. Includes reservoir top-up kit.

## 3. SPECIFICATION

Model no .....	VS021.V3
Inlet size.....	1/4"BSP
Maximum air pressure.....	120psi
Air consumption .....	180lt/min

## 4. CONTENTS

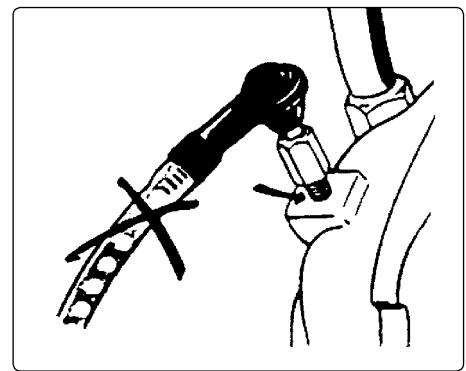
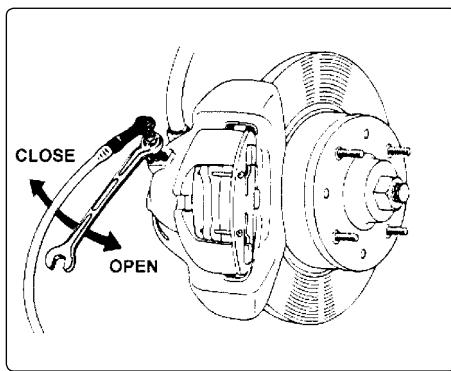
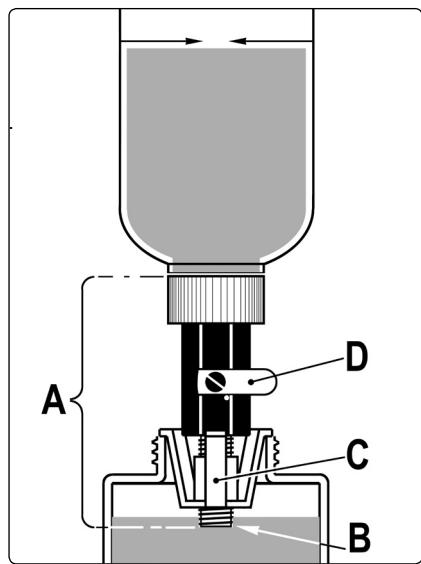
1. Filter
2. Lid assembly
3. Hose
4. Trigger
5. Container
6. Reservoir lid
7. Reservoir
8. Adaptor A
9. Adaptor B
10. Adaptor C
11. Adaptor D



## 5. OPERATION

### 5.1. BRAKE BLEEDING PROCEDURE

- 5.1.1. Refer to the vehicle manufacturer's instructions for brake bleeding and wheel sequence before proceeding.
- WARNING!** Familiarise yourself with the hazards of brake fluid - read manufacturers instructions on the container. **DO NOT** touch the vehicle's brake pedal whilst bleeding the brakes.
- 5.1.2. Remove the cap of the vehicle's brake fluid reservoir. If the fluid level is not at maximum top it up.
- 5.1.3. Remove the cap assembly (fig.1-A) from the replenishment bottle and invert it within the neck of the reservoir as shown in fig.1. The threaded outlet 'B' must be immersed in the brake fluid. If it is not, rotate the three legged moulding 'C' clockwise towards the valve 'D' until sufficient thread is exposed to allow the outlet to be immersed in the brake fluid.
- 5.1.4. Ensure the valve is closed as shown in fig.1-D.
- 5.1.5. Fill the replenishment bottle just under half full with new brake fluid and screw the cap assembly back down onto the bottle. Invert the bottle over your container of new brake fluid and open the valve so that the fluid level begins to drop towards the level marked on the bottle. As soon as the level mark is reached close the valve.
- 5.1.6. Place the bottle into the neck of the vehicle brake fluid reservoir as shown in fig.1. and open the valve. As the brakes are bled the fluid level in the reservoir will begin to drop and expose the bottle outlet. Brake fluid will begin to flow from the replenishment bottle. Once the level in the reservoir has risen sufficiently to cover the outlet the flow will automatically stop.
- 5.1.7. Connect the brake bleeder to a suitable compressed air supply.
- 5.1.8. Mount the black rubber pipe onto the brake nipple on the first wheel and open the nipple about  $\frac{1}{4}$  of a turn (fig.2).
- 5.1.9. Activate the brake bleeder's trigger. The vacuum created will draw the brake fluid from the vehicle's brake system.
- 5.1.10. Continue to bleed the system until there are no air bubbles visible in the clear tube (fig.3).
- 5.1.11. Close the brake nipple (fig.2).
- 5.1.12. Remove the rubber pipe from the brake nipple.
- 5.1.13. Depress the trigger to clear brake fluid from the clear pipe.
- 5.1.14. Repeat the process at each wheel in turn.
- 5.2. CHANGING THE BRAKE FLUID**
- 5.2.1. Repeat the brake bleeding procedure as described above. As the fluid is being completely changed regularly check the level in the replenishment bottle.
- 5.2.2. When new fluid can be seen in the clear tube tighten the brake nipple.
- 5.2.3. Repeat this procedure at every wheel. When brake bleeding and/or fluid changing is complete, test the action of the brake pedal to ensure that the brakes are working correctly, before driving the vehicle on the road.



### 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.

**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.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR

01284 757500

01284 703534

sales@sealey.co.uk

www.sealey.co.uk