



GRAVITY BRAKE BLEEDER KIT

MODEL NO: **VS0209**

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



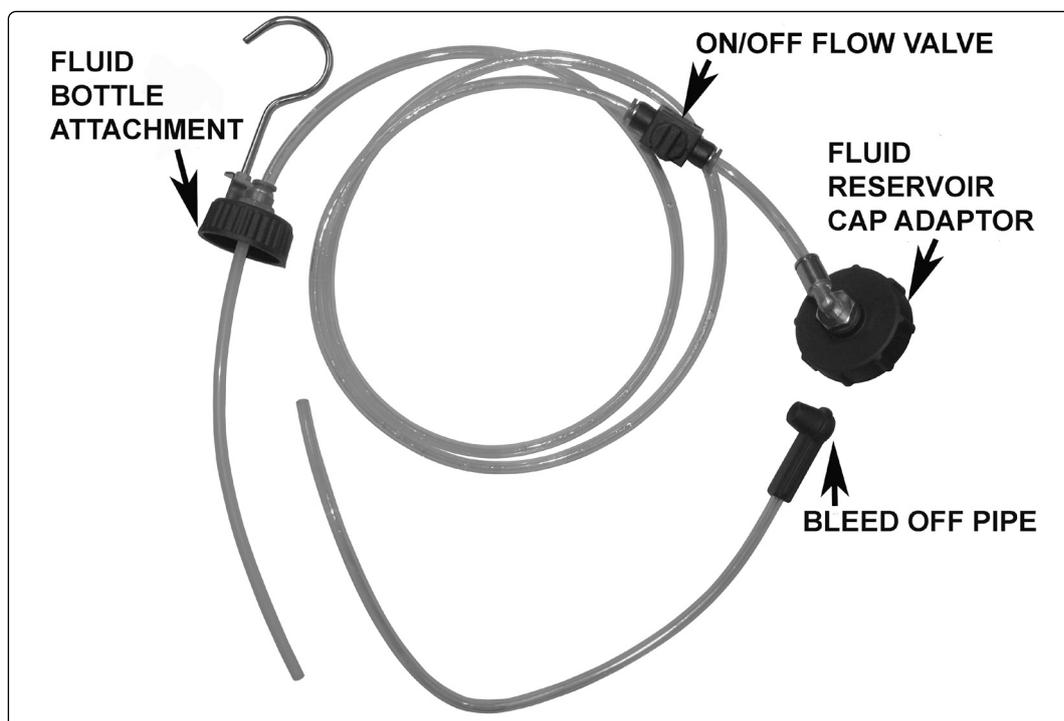
Wear eye
Protection

1. SAFETY

- ✓ Keep this product in good working order and condition.
- ✓ 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 when tired or 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!** Only use new brake fluid, used brake fluid or other fluids will contaminate the system and possible brake system failure may result.
- ❑ **WARNING!** Some brake fluids are hygroscopic, always store brake fluid in a dry area and keep well away from moisture. **WARNING! DO NOT** pollute the environment by allowing uncontrolled discharge of fluids.
- ❑ **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

Patented design maintains the fluid level in the vehicle's brake or clutch fluid reservoir during the bleeding process. No electricity or compressor required, ideal for use on a vehicle lift. Uses the standard 500ml brake fluid bottle in which fluid is supplied, reducing the possibility of contamination. Fast, simple-to-use and features on/off flow valve.



3. OPERATION

3.1. BRAKE BLEEDING PROCEDURE

Refer to the vehicle manufacturer's instructions for brake bleeding and wheel sequence before proceeding. If no specific instructions from the vehicle manufacturer exist, follow the instructions detailed below.

NOTE: The VS0209 Gravity Brake Bleeder Kit requires two persons for use during normal bleeding operations, unless used in conjunction with a vacuum bleeder (Sealey ref: VS020) connected to the bleed nipple.

❑ **WARNING! Familiarise yourself with the hazards of brake fluid - read manufacturer's instructions on the container.**

NOTE: Ensure that the brakes are adjusted where necessary before proceeding with bleeding the brakes.

- 3.1.1. Remove the master cylinder fluid reservoir cap.
- 3.1.2. Assemble the kit as shown in fig.1, hanging the brake fluid container at a suitable point above the master cylinder (fig.2). Do not fully tighten the fluid reservoir cap adaptor.
- 3.1.3. Squeeze the brake fluid container until brake fluid is present in the clear plastic pipe (fig.2) to start the siphoning process.
- 3.1.4. Once flow is established, tighten the fluid reservoir cap adaptor so that it is fluid tight. The rate of flow of the fluid can be controlled by altering the position of the On/Off flow valve (fig.3).
- 3.1.5. Starting at the wheel station furthest away from the master cylinder, remove any bleed nipple protection covers and place a correct size ring spanner on the hexagon segment of the bleed nipple. Press the black rubber adaptor on one end of the bleed off pipe over the bleed nipple (fig.4) and place the other end of the bleed off pipe into a suitable container.
- 3.1.6. One person should apply pressure to the brake pedal whilst the other person opens the bleed nipple (fig.4) to allow brake fluid to flow through the bleed off pipe and into the container. When the brake pedal is at the bottom of its stroke, it should be held in position until the bleed nipple is closed. Once the bleed nipple is closed, the brake pedal can be released. Continue until the brake fluid flowing through the bleed off pipe is clean and free from air bubbles. Close and tighten the bleed nipple and replace any bleed nipple protection covers.
- 3.1.7. Continue to the next furthest wheel station away from the master cylinder and work back in sequence, finishing at the wheel station closest to the master cylinder.

NOTE: Ensure that the brake fluid container does not run out of brake fluid. Once the brake fluid container is replaced, loosen the fluid reservoir cap adaptor, squeeze the container until a flow of fluid has been re-established. Re-tighten the fluid reservoir cap adaptor and continue the bleeding procedure.

- 3.1.8. When the bleeding procedure has been successfully completed, close the On/Off flow valve, open the bleed nipple on the final wheel station and bleed out sufficient fluid until the master cylinder fluid reservoir is at the 'MAX' level. Close and tighten the bleed nipple.

NOTE: When brake bleeding and/or fluid changing is complete, test the action of the brake pedal to ensure that the brakes are working and the 'feel' of the pedal is firm and not spongy before using the vehicle on the road.

3.2. TANDEM MASTER CYLINDER BRAKE SYSTEMS

- 3.2.1. Some vehicles require two lines to be bled simultaneously (normally one front and one rear), in this situation open both bleed nipples and control the flow using the On/Off flow valve.

3.3. UNCOMMON BRAKE SYSTEMS

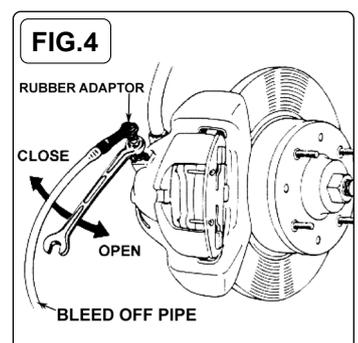
- 3.3.1. In some cases the master cylinder outlet is below the inlet, this may require pumping the pedal once or twice to remove any trapped pockets of air. Alternatively the vehicle can be jacked up to raise the outlet.

3.4. CLUTCH BLEEDING PROCEDURE

- 3.4.1. Refer to the relevant vehicle manufacturer's instructions for clutch bleeding procedure.
- 3.4.2. If no specific instructions from the vehicle manufacturer exist, the same procedures as for brake bleeding should be followed.

3.5. AFTER USE

- 3.5.1. Safely drain all fluid from the pipework and store in a safe, dry and childproof area.



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.



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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



sales@sealey.co.uk



www.sealey.co.uk