

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*).
- ✓ Wear approved eye protection. Contact your Sealey dealer for details.
- ✓ 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, place in case 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.

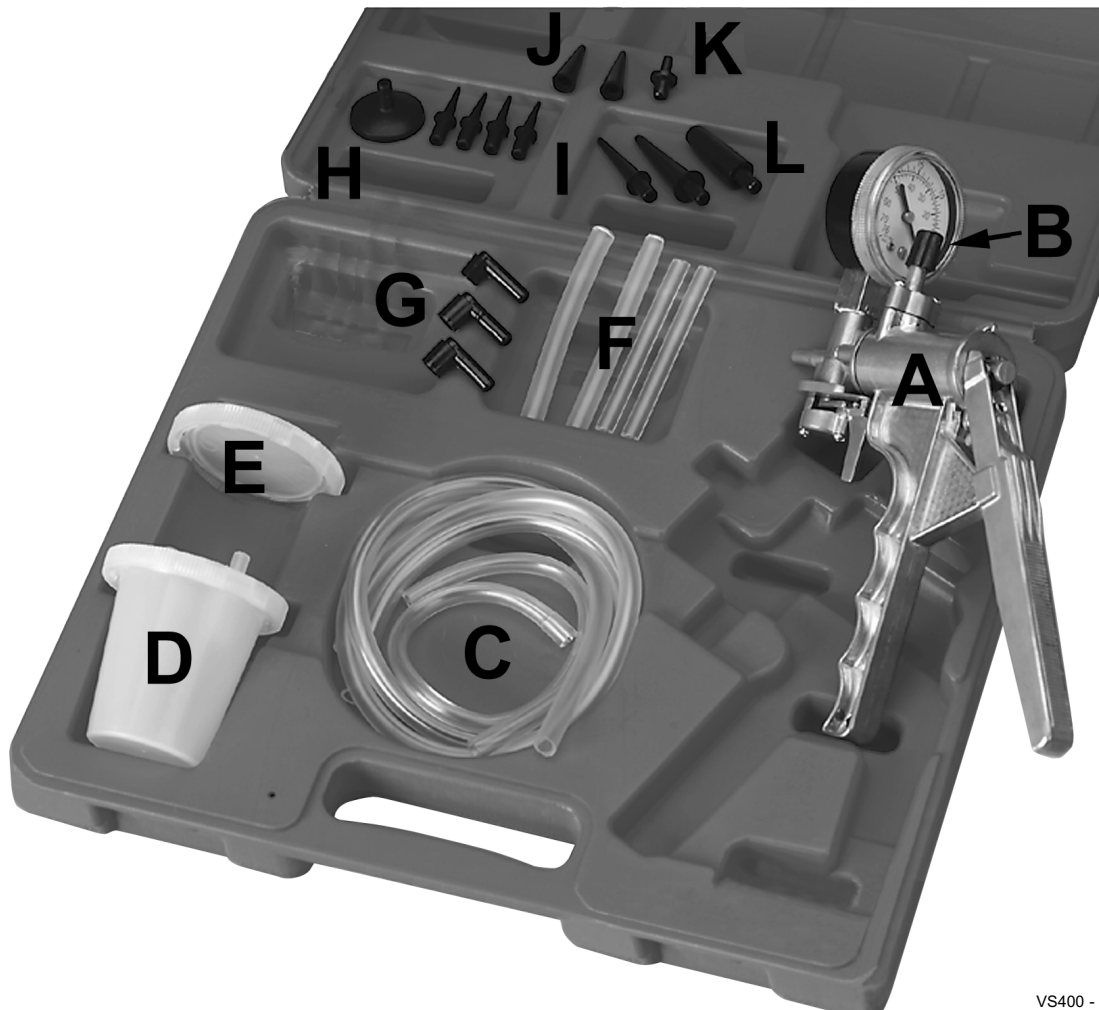
## 2. CONTENT

Check the contents of the case against the list below. If any item is missing or damaged contact your supplier immediately.

A - Vacuum Gun and Gauge  
B - Vented Cap  
C - 24" x 1/4"ID Tubing x2  
D - Fluid Container

E - Sealing Lid (container)  
F - Extension Tubes, 1/4"ID x 2, 1/8"ID x 2  
G - Bleed Nipple Adaptors x 3  
H - Suction Cup

I - Tube End Cones x 6  
J - Gun Cones x 2  
K - Tube Adaptor  
L - Hose Cone



### 3. INTRODUCTION

The VS400 vacuum gun is capable of maintaining depressions of up to 25in(64cm)Hg and has a displacement of 1in<sup>3</sup>(16ml) per stroke. Accessories are supplied to allow single handed brake and clutch bleeding, the testing of vacuum actuated switches and modulators and many other applications.

### 4. APPLICATIONS

**WARNING!** Before use, ensure you read, understand and apply safety instructions in Section 1.

**Note:** These instructions are of a general nature only. Always follow the specific instructions in the vehicle manufacturer's, or a proprietary, manual.

#### 4.1. Vacuum gun

4.1.1. When using gun with outlet port ( fig.1.2) unconnected, protect it with vented cap (fig.1.B) to prevent ingress of dirt.

4.1.2. At any time during use of the gun the vacuum generated may be released by pulling trigger (fig.1.3).

#### 4.2. Bleeding

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

4.2.1. Fit appropriately sized adaptor (G) to the bleed nipple of the wheel brake (or clutch actuating) cylinder.

4.2.2. Connect the adaptor to the vacuum port (fig.1.1) of the gun using tubing provided.

4.2.3. Connect outlet port (fig.1.2) of the gun to top of fluid container (port marked 'Pump') with second length of tubing provided.

4.2.4. Ensure master cylinder reservoir level is above minimum and then unscrew bleed nipple approx. 1/4 turn.

4.2.5. Operate vacuum gun to draw brake fluid through system and into fluid container. **DO NOT allow level in reservoir to fall below minimum. Check frequently and refill as necessary with new fluid.**

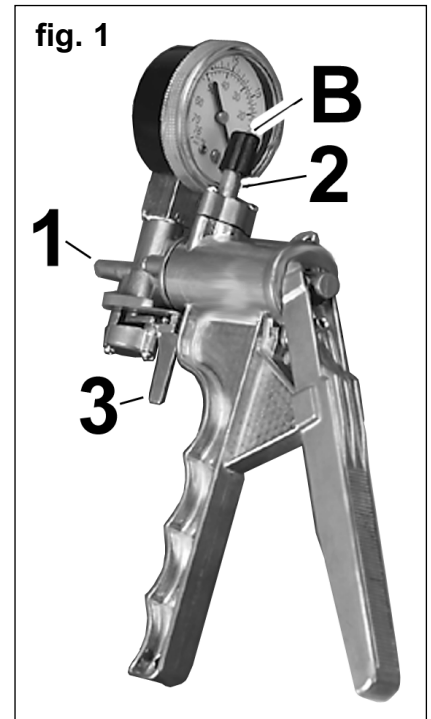
4.2.6. Continue until fluid entering container is clean and bubble-free. Retighten bleed nipple and then remove adaptor.

4.2.7. After bleeding brakes **always** check that brake pedal feels firm and that brakes operate normally, **before** going onto public roads.

#### 4.3. General applications

Because the gun creates a partial vacuum it can be use to:

- test the operation and calibration of any item which responds to a vacuum during normal operation e.g. ignition vacuum advance/retard mechanism.
- check systems (fuel, air con., heating, brake servo etc.) for leakage.
- test 2-stroke engines for crankcase seal leaks.
- test pressure switches etc. if the vacuum pump can be connected to the 'atmospheric' side of the component.



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



Sole UK Distributor,  
Sealey Group, Bury St. Edmunds, Suffolk.

☎ 01284 757500

📠 01284 703534

E-mail: [sales@sealey.co.uk](mailto:sales@sealey.co.uk)