

# INSTRUCTIONS FOR: PNEUMATIC BRAKE BLEEDER

## 1. SAFETY INSTRUCTIONS

- ✓ 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 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.**

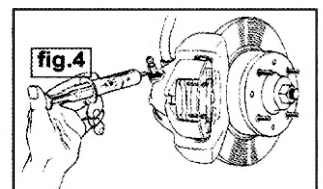
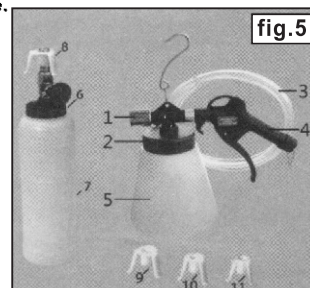
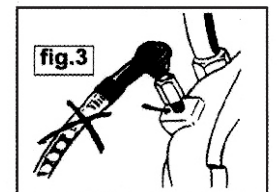
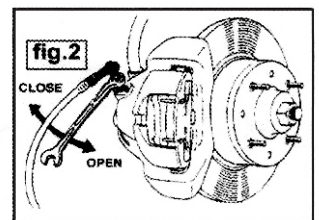
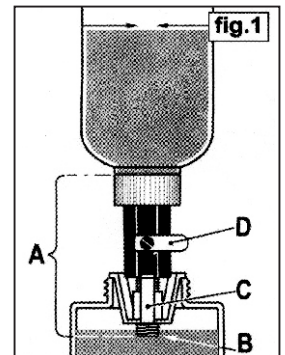
## 2. INTRODUCTION & SPECIFICATION

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

## 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.
- ☐ **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.**
- 3.1.1 Remove the cap of the vehicle's brake fluid reservoir. If the fluid level is not at maximum top it up.  
 3.1.2 Remove the cap assembly (see 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.  
 3.1.3 Ensure the valve is closed as shown in fig.1-D.  
 3.1.4 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.  
 3.1.5 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.  
 3.1.6 Connect the brake bleeder to a suitable compressed air unit.  
 3.1.7 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.2)  
 3.1.8 Activate the brake bleeder's trigger. The vacuum created will draw the brake fluid from the vehicle's brake system.  
 3.1.9 Continue to bleed the system until there are no air bubbles visible in the clear tube. (See fig.3)  
 3.1.10 Close the brake nipple. (See fig.2)  
 3.1.11 Remove the rubber pipe from the brake nipple.  
 3.1.12 Depress the trigger to clear brake fluid from the clear pipe.  
 3.1.13 Repeat the process at each wheel in turn.
- 3.2 Changing the brake fluid**  
 3.2.1 Repeat the brake bleeding procedure as described above. As the fluid is being completely changed regularly check the level in the replenishment bottle.  
 3.2.2 When new fluid can be seen in the clear tube tighten the brake nipple.  
 3.2.3 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.**  
 3.2.4 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.4)



## 4. PARTS (FIG 5)

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1.	FILTER	7.	CONTAINER
2.	LID ASSY	8.	ADAPTOR A
3.	HOSE ASSY	9.	ADAPTOR B
4.	TRIGGER ASSY	10.	ADAPTOR C
5.	CONTAINER	11.	ADAPTOR D
6.	LID (FOR 7)		

**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.