

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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

### 1. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- ✓ Read instructions thoroughly to ensure safe and effective use. **Important! Read instructions in conjunction with vehicle or equipment manufacturer's workshop manual.**
- ✓ Maintain the apparatus in good condition (use an authorised service agent). Before each use check condition of each component. If any component is damaged, replace immediately. Use genuine parts only. Unauthorised parts may not function correctly and will invalidate the warranty.
- ✓ Use in a suitable work area. Keep area free from unrelated materials and ensure that there is adequate lighting.
- ❑ **WARNING!** Always wear approved eye (or face) and hand protection when pressure leakage testing.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** operate the leakage tester when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** clean the equipment with solvents or other harsh chemicals.
- ✗ **DO NOT** use the leakage tester for any purpose other than that for which it is designed.
- ✓ When not in use return parts to the case, and store it in a safe, dry, childproof location.

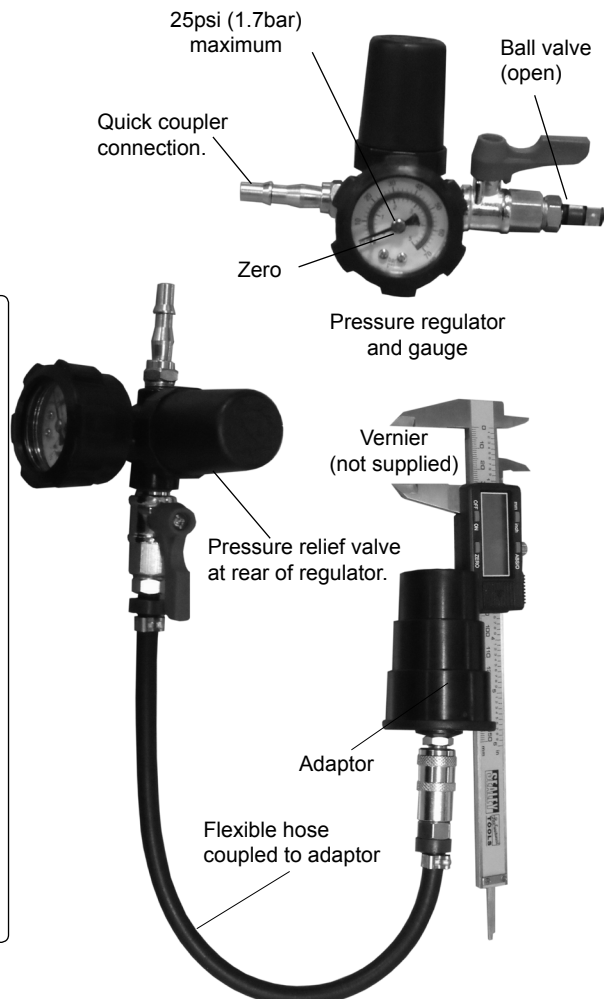
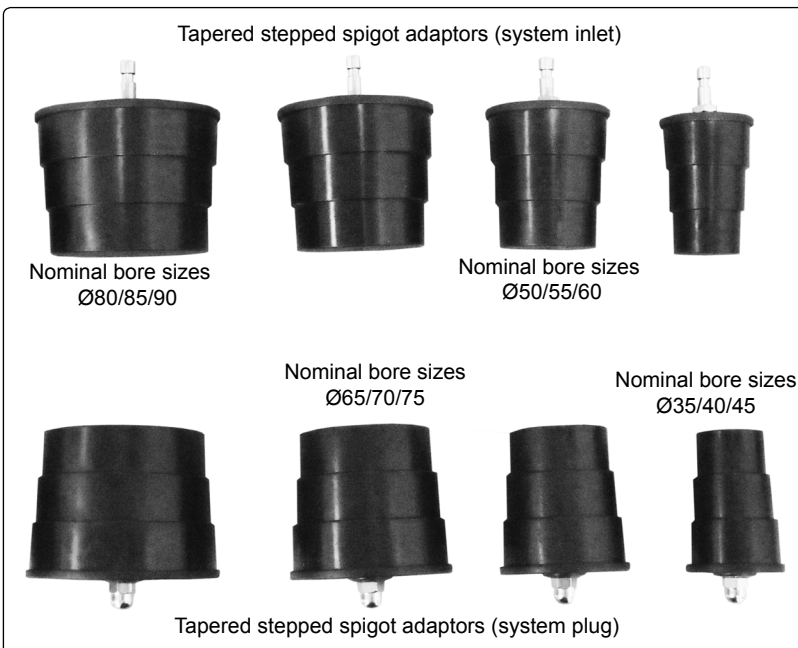
### 2. DESCRIPTION

Designed to charge the turbo system with a low pressure of regulated workshop mains air supply; to indicate the presence of leaks within the system. The kit includes a pressure gauge, a shut off ball valve, a pressure relief valve, a mains air male barbed quick coupler and four pairs of system stepped adaptors for use on a wide range of hose sizes. The kit can also be used on cooling system hoses. All items supplied in a storage case.

### 3. TECHNICAL SPECIFICATIONS

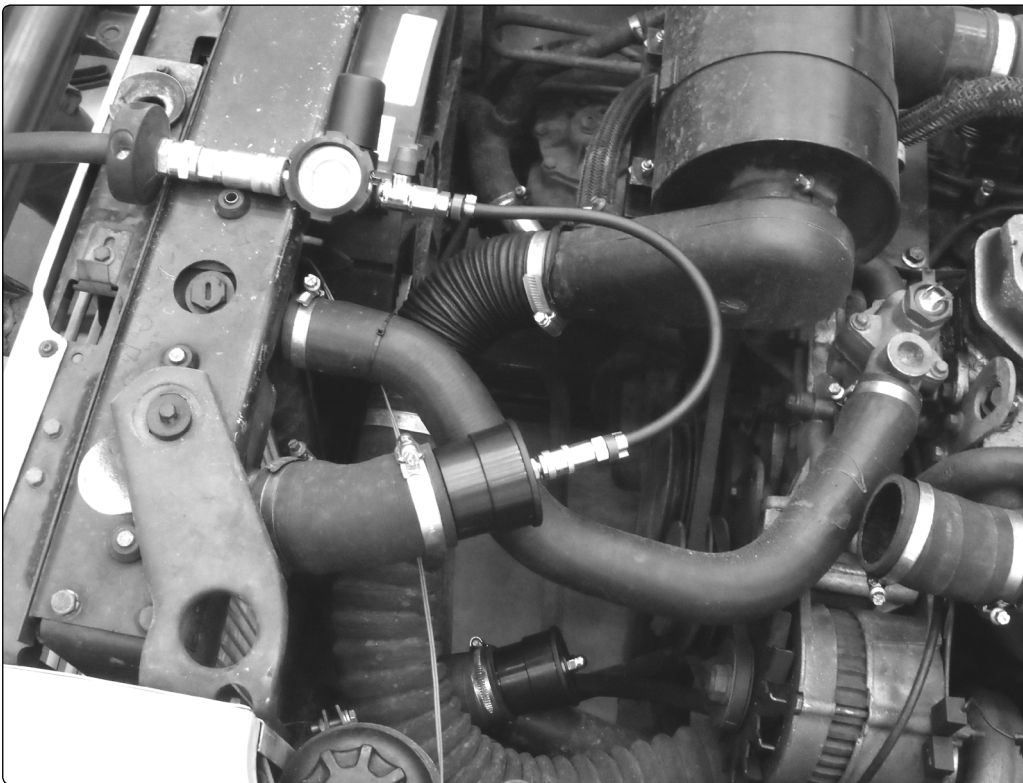
Part No	Adaptor sizes
VS2030.01	Ø80/85/90mm
VS2030.02	Ø65/70/75mm
VS2030.03	Ø50/55/60mm
VS2030.04	Ø35/40/45mm

### 4. CONTENTS

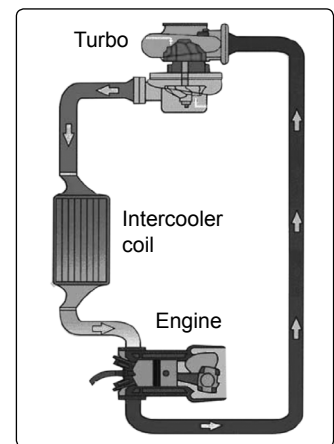


## 5. OPERATION

- 5.1** Follow the manufacturer's instructions for the removal, if required, of the device or hose to be tested. Use a damp cloth or gloves and arm protection if the system is known to be hot.
- 5.2** Connect an air line with known air pressure to the regulator of the tester with the ball valve shut (operating lever at 90° to hose axis). **IMPORTANT! Regulate air pressure in tester to 25psi maximum.** Refer to manufacturer's manual relating to the maximum air pressure of the turbo or other system being tested. Over pressurisation may damage system components. For example the maximum pressure in most vehicle turbo systems is approximately 15psi (1bar) up to 25psi (1.7bar). A vehicle coolant system is typically rated at 15psi. A graduated approach to leakage testing is recommended.
- 5.3 Method**
- 5.3.1** Select the correct air inlet spigot adaptor and plug adaptor by first measuring the orifice diameter and then couple the tester hose to the selected air inlet adaptor. Each adaptor has three stepped tapered sides to facilitate three sizes, insertion, sealing and gripping.
- 5.3.2** Set regulator of tester to 5psi to check for large leaks with valve shut (operating lever at 90° to hose axis).
- 5.3.3** Plug the exit orifice of the system with the plug adaptor.
- 5.3.4** Connect the inlet adaptor set at 5psi to the entry orifice of the system.
- 5.3.5** Open valve fully (operating lever in line with hose axis) to check for leaks and or pressurisation up to pre-set (5psi). If a leak is found, by listening or if the pointer falls, it indicates that the system has a leak resulting in loss of pressure. Repair the leak and retest.
- 5.3.6** If no leaks are evident, regulate pressure to 10psi and check for leaks and or pressurisation up to pre-set (10psi). If a leak is found, by listening or if the pointer falls, it indicates that the system has a leak resulting in loss of pressure. Repair the leak and retest.
- 5.3.7** If no leaks evident, regulate pressure to a maximum of 15psi or to the manufacturer's maximum pressure and retest. If a leak is found, by listening or if the pointer falls, it indicates that the system has a leak resulting in loss of pressure. Repair the leak and retest. If the gauge pointer remains stationary for one minute it will indicate that the system is in good working order.
- 5.3.8** Release pressurised system by rotating the ball valve lever to align with hose axis.
- 5.3.9** Disconnect the quick coupler, clean and return all items to carry case.



Example (left) shows the kit testing a turbo system intercooler coil for integrity.



System schematic

## 6. MAINTENANCE

- 6.1** Always keep the plastic adaptors clean and free of oil and grease. Clean them regularly with a non-aggressive cleaner, ensuring dry before storage.

**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.

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