

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

### 1.1. GENERAL SAFETY

- ❑ **WARNING!** *Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.*
- ✓ Familiarise yourself with the application and limitations of the equipment, as well as the specific potential hazards.
- ✓ Maintain the equipment in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Keep the equipment clean for best and safest performance.
- ✓ Ensure cables, probe and clamps cannot contact moving parts.
- ✗ **DO NOT** place cables, probe or clamps near high voltage items - HT leads, spark plugs or ignition coil.
- ✓ Before road test ensure all cables are secure and, if they become disconnected, cannot contact moving parts.
- ✓ When conducting a road test the **driver must not** operate the VS007.
- ✗ **DO NOT** allow untrained persons to operate the VS007.
- ✗ **DO NOT** allow children to play with the VS007.
- ✗ **DO NOT** operate the equipment when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch off equipment and store in a safe, dry, childproof area.
- ✓ For prolonged storage remove batteries.

## 2. INTRODUCTION

Super-sensitive stethoscope, suitable for detection of faults in:

- Engine, Transmission.
- Cat Intake/Exhaust Manifold.
- Fuel Injectors, Radiators.
- Valves, Fuel Tanks.

Kit includes audio probe, headphones, six clip-on microphones and six-channel microphone selector box. Used by noise, harshness and vibration engineers to isolate problem sources. Enables vehicle to be road-tested and diagnosed simultaneously.

## 3. CONTENT

Check the content against the list below. If any items are missing or damaged contact your supplier.

- Stethoscope
- Stethoscope probe
- Headphones
- Microphone Clamps x 6
- Control Box



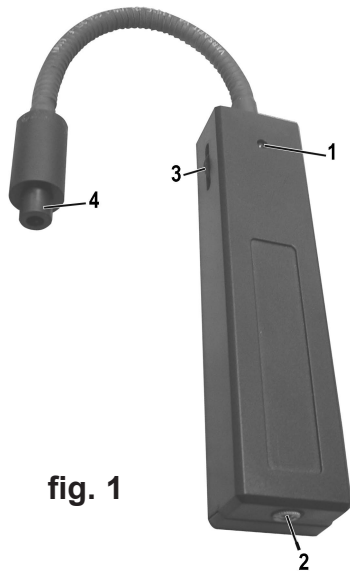


fig. 1

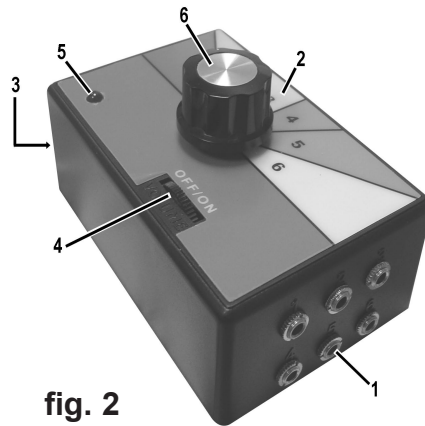


fig. 2

## 4. OPERATION

- ❑ **WARNING! Ensure you read, understand and apply the safety instructions in Section 1.**
- ❑ **WARNING! Prolonged exposure to high volumes of noise, or sudden very loud noises can result in permanent hearing loss.**
- ❑ **WARNING! Feedback can damage the equipment - keep microphones away from headphones.**

### 4.1. Stethoscope.

- 4.1.1. Fit PP9 battery into compartment in base of stethoscope.
- 4.1.2. Confirm that stethoscope is switched off - red indicator LED (fig.1.1) not illuminated.
- 4.1.3. Plug headphone cable jack into socket (fig.1.2) in base of stethoscope.
- 4.1.4. Wearing headphones, switch on stethoscope at rotary switch (fig.1.3) - red LED illuminates - and **slowly** increase volume to a comfortable level.
- 4.1.5. Place rubber tip (fig.1.4) on, or near, suspect component. You can also insert the stethoscope probe into the stethoscope rubber tip, this is useful for detecting noises within casings.

### 4.2. NVH Tests

- 4.2.1. Fit PP9 battery into compartment in base of control box.
- 4.2.2. Install microphone clamp(s) on, or close to, suspect item(s) and/or in reference areas, as required. Pay attention to cable routing and security. Use cable ties to secure cables.
- 4.2.3. Plug the clamp cable jacks into the sockets (fig.2.1) in the control box. Note that sockets are numbered and selector scale (fig.2.2) has corresponding numbers with colour codes to match colour coding on clamp cables, as below:

1 - Blue	3 - Green	5 - Red
2 - Yellow	4 - White	6 - Black

- 4.2.4. Plug headphone cable jack into socket (fig.2.3) in control box.
- 4.2.5. Wearing headphones, switch on control box (fig.2.4) - red LED (fig.2.5) illuminates - and **slowly** increase volume to a comfortable level.
- 4.2.6. Selector switch (fig.2.6) can now be used to listen to each microphone clamp in turn.

### Environmental Protection.



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

### Battery Removal.

- Stethoscope:** Slide off the rear battery cover and remove the battery.
- Control Box:** Slide off the rear battery cover and remove the battery.

**Dispose of batteries according to local authority guidelines.**

*Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme.*

*Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705*

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



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