

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



**DANGER! BE AWARE, LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS VERY IMPORTANT TO READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY, EACH TIME YOU USE THE BATTERY TESTER.**

Follow these instructions and those published by the battery and vehicle manufacturers, and the maker of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines.

#### 1.1. PERSONAL PRECAUTIONS

- ✓ Ensure that there is another person within hearing range and close enough to come to your aid, should a problem arise when working near a lead-acid battery.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working near battery.
- ✓ Have fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- ✓ Wash immediately with soap and water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current which is high enough to weld such items to the vehicle and cause severe burns.
- ✓ Ensure that hands, clothing (especially belts) are clear of fan blades and other moving or hot parts of engine. Remove ties and contain long hair.
- ✗ **DO NOT** smoke or allow a spark or flame in the vicinity of the battery or engine.



#### 1.2. GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application, limitations and potential hazards of the unit. Also refer to the vehicle manufacturer's hand book. *IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.*
- ✓ Ensure that the unit is in good condition before use. If in any doubt do not use the unit and contact a qualified electrician.
- ✓ Only use recommended attachments and parts. To use unapproved items may be dangerous and will invalidate your warranty.
- ✓ Keep tools and other items away from the engine and ensure that you can see the battery and working parts of engine clearly.
- ✓ Keep children and unauthorised persons away from the work area.
- ✗ **DO NOT** disassemble the unit for any reason.
- ☐ **WARNING!** To prevent the risk of sparking, short circuit and possible explosion **DO NOT** drop metal tools in the battery area, or allow them to touch the battery terminals.
- ✗ **DO NOT** cross-connect unit to battery. Ensure positive (RED) clamp is to positive terminal and negative (BLACK) clamp is to negative terminal.
- ✗ **DO NOT** use the unit outdoors, or in damp, or wet locations and **DO NOT** use in the vicinity of flammable liquids or gases.
- ✓ Ensure there is effective ventilation to prevent a build-up of explosive gases.
- ✗ **DO NOT** use the unit for a task for which it is not designed.
- ✓ When not in use, store the unit carefully in a safe, dry, childproof location.

### 2. INTRODUCTION & SPECIFICATION

Polarity protected unit attaches to a 12Volt slave battery and provides power via the EOBD socket to on-board electronics whilst vehicle's own battery is disconnected. This device saves valuable time spent re-programming lost codes. Features surge protection and three LEDs to indicate power supply status.

### 3. OPERATION

Ensure that you read, understand and apply the safety and operational instructions before proceeding and take care to not touch the clamps together when the unit is plugged into the vehicle's EOBD socket.

- 3.1. Before commencing, if there is any doubt about the charge of the back-up battery to be used, it can be checked by simply connecting VS2072's red clamp to the positive (+) battery terminal and the black clamp to the negative (-) terminal. All three LEDs should now illuminate green to indicate that the battery has over 10V. If the voltage of the back-up battery is below 10V, the centre LED only, will illuminate red. Source another, fully charged battery to use. Disconnect the clamps from the back-up battery before proceeding.
- 3.2. Ensure that the vehicle's ignition is switched off. Locate the vehicle's EOBD socket and plug the VS2072's plug into it. The 2 green LEDs nearest the plug should illuminate.  
**NOTE:** If the voltage of the vehicle's battery is below 9.4V, the centre LED only will illuminate red. The vehicle's battery may need attention and further checks will need to be carried out on it. If the vehicle's battery is completely flat, it is probable that codes will already have been lost, however if there is some power then the following procedure can still be carried out.
- 3.3. Using a back-up 12Volt battery, connect the red clamp to the positive (+) battery terminal and the black clamp to the negative (-) terminal. All three LEDs should now illuminate green. The vehicle's on-board electronics are now powered by the back-up battery and the vehicle's battery can now be disconnected.  
**NOTE:** If the voltage of the back-up battery is below 10V, the centre LED only, will illuminate red. The back-up battery does not have enough voltage to power the vehicle's on-board electronics. **DO NOT** remove the vehicle's battery and source a fully charged battery to use.
- 3.4. Disconnect the vehicle's battery by firstly disconnecting from the negative (-) terminal and then from the positive (+) terminal. Carry out any work on the vehicle required. Reconnect the vehicle's battery by connecting to the positive (+) terminal first and then to the negative (-) terminal. Disconnect the back-up battery by unclamping from the negative (-) terminal and then from the positive (+) terminal. Disconnect the VS2072 unit by unplugging it from the vehicle's EOBD socket. Store the unit carefully in a safe, dry, childproof location.



**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.