



INSTRUCTIONS FOR:

Diagnostic Socket Memory Safe - EOBD 12V

MODEL No: **VS2071.V2**

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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction
manual



Wear eye
protection

1. SAFETY

1.1. GENERAL SAFETY.

- ✓ Observe standard workshop safety procedures when using the unit.
- ✓ Ensure that the vehicle ignition switch is turned OFF before connecting the unit.
- ✓ Ensure there is another person within hearing range, or close enough to come to your aid when working near, or with, lead-acid batteries.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working with or near the vehicle 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 high enough to weld a ring or the like to metal, which may cause severe burns.
- ✓ Keep the work area clean and uncluttered and ensure there is adequate lighting. Keep tools and other items away from the engine and ensure you can see the vehicle battery and working parts of engine clearly.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ☐ **WARNING! DO NOT** use the unit where there are flammable gases or liquids.
- ☐ **WARNING! DO NOT** use the unit on any vehicles other than those with 12Volt DC systems.
- ✗ **DO NOT** use the unit if you suspect that the battery pack or the casing is damaged.
- ✗ **DO NOT** smoke or allow a spark or flame in the vicinity of the vehicle battery or engine.
- ✗ **DO NOT** get the unit wet or use in damp or wet locations or areas where there is condensation.
- ✗ **DO NOT** use the unit for any purpose other than that for which it is designed
- ✗ **DO NOT** operate the unit if damaged.
- ✓ When not in use store the unit in a safe, dry, childproof location.
- ✓ Ensure that the unit is fully charged before storage.

1.2. Charger plug electrical safety. *Use only the supplied charger plug for connecting the charger to the power supplier.*

- ☐ **WARNING!** It is the user's responsibility to read, understand and comply with the following electrical instructions: You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that a RCD (Residual Current Device) is used with all electrical products, particularly portable equipment which is plugged into an electrical supply not protected by an RCCB. **You must** also read and understand the following instructions concerning electrical safety: **The Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.



The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**

- ✓ **You must ensure that you:** Inspect the charger plug, cable and connector for wear and damage to ensure items are safe before connecting to the mains power supply. If worn or damaged **DO NOT** use.
- ✓ Check that the voltage marked on the charger plug is the same as the unit.
- ✓ Uncoil the cable between the charger plug and the unit.
- ✗ **DO NOT** pull the charger plug from the mains socket by the lead.
- ☐ **WARNING! DO NOT** use any other type of charger with this product other than the supplied mains charger. Failure to observe this warning could result in injury and/or fire and will invalidate the warranty.
- ✗ **DO NOT** attempt to dismantle the charger plug.
- ✗ **DO NOT** use the charger plug to charge or power any other electrical item.
- ✗ **DO NOT** get the charger plug wet, or use in wet, damp conditions.

1.3. BATTERY PACK SAFETY.

- ☐ **WARNING!** The unit is powered by a sealed lead-acid battery which can be dangerous if not handled with care.
- ✓ Charge battery pack prior to first use. The battery will have been shipped in a low charge state.
- ✗ **DO NOT** charge battery pack when room temperature is below 50°F (10°C) or above 104°F (40°C).
- ✗ **DO NOT** attempt to recharge the battery pack by means of an engine generator or a DC power source.
- ✗ **DO NOT** short-circuit the battery pack by linking both terminals with a metal object.
- ✗ **DO NOT** store the unit in locations where the temperature may exceed 104°F (40°C).
- ☐ **WARNING!** Dispose of spent battery pack correctly and in accordance with local regulations as it contains acid.
- ✗ **DO NOT** attempt to dismantle the battery pack. For safety and environmental reasons **DO NOT** discard in domestic waste or by burning. **ONLY** discard or recycle according to local waste authority regulations.

- ❑ **WARNING!** If you come into contact with battery acid take immediate action:
 - a) **Skin contact:** Wash immediately with soap and water.
 - b) **Eye contact:** Flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ❑ **WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

Used to preserve the memory to on-board electronics whilst the vehicle's own battery is disconnected. Saves valuable time spent re-programming lost codes. Can be connected via the vehicle's EOBD or accessory socket. Unit features an internal 12V 4Amp sealed battery and LEDs provide battery condition and charge indicator. Supplied with mains charger.

3. SPECIFICATION

Model No: VS2071.V2
 EOBD Lead Length:..... 1.4m
 Accessory Lead Length:..... 1.4m
 Unit Charger: 230V Input/12V Output

4. CONTENTS



5. OPERATION

5.1. CHARGING THE BATTERY PACK

NOTE: The unit battery pack will have been shipped in a low charge state. Charge the battery prior to first use.

- 5.1.1. Ensure that the power switch is in the 'OFF' position and the unit is disconnected from the vehicle.
- 5.1.2. Plug the charger into the charger adaptor and switch on the mains power supply. The red 'CHARGING' LED will illuminate whilst the unit is charging. Once the unit has fully charged the green 'CHARGED' LED will illuminate.
- 5.1.3. If the yellow 'REPLACE BAT.' LED illuminates, the battery pack is unserviceable and must be replaced (refer to Section 6).
- 5.1.4. Once the unit is fully charged, disconnect from the mains supply and remove the charger from the charger adaptor.

5.2. OPERATION

- 5.2.1. The VS7021 is supplied with 2 leads enabling connection using either the EOBD socket lead or the vehicle accessory socket lead, refer to fig.1.
- 5.2.2. Ensure that the vehicle ignition switch is turned OFF.
- 5.2.3. Plug the lead into the output socket on the unit. **DO NOT** switch the power switch to the 'ON' position.
- 5.2.4. Connect the other end of the lead to the vehicle. The LED on the plug at the unit should illuminate red, indicating a voltage from the vehicle. If the LED does not illuminate, check the connections at the vehicle and the unit.
- 5.2.5. Once the unit is connected to the vehicle press the power switch to the 'ON' position. The green 'BAT. OK' will illuminate, indicating a good connection and adequate operating voltage in the battery pack.

NOTE: If the red 'BAT. LOW' illuminates, the battery pack will require charging. Press the power switch to the 'OFF' position, disconnect from the vehicle and charge the battery (refer to Section 5.1.1.).
- 5.2.6. When connected to the vehicle with the green 'BAT. OK' LED illuminated, it is safe to disconnect the vehicle battery without eliminating any codes.

fig.2



6. MAINTENANCE

6.1. REPLACING THE BATTERY PACK.

6.1.1. Remove the six screws at the back of the unit.

6.1.2. Lift off the rear cover.

6.1.3. Disconnect the black wire from the NEGATIVE (-) terminal of the battery, then disconnect the red wire from the POSITIVE (+) terminal of the battery.

6.1.4. Remove the unserviceable battery from the unit.

6.1.5. Replace battery and connect the red wire to the POSITIVE (+) terminal, then connect the black wire to the NEGATIVE (-) terminal.

6.1.6. Replace the rear cover and secure with the six screws.

NOTE: Use genuine parts only. Non authorised parts may be dangerous and will invalidate the warranty.

Environmental Protection



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

When the product becomes completely unserviceable and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.



WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). 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



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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