



INSTRUCTIONS FOR: DIAGNOSTIC SOCKET MEMORY SAFE - EOBD

MODEL No: **VS2073**

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.

1. SAFETY



WARNING:
EXPLOSIVE
MATERIAL



**WEAR EYE
PROTECTION**



CORROSIVE



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 MEMORY SAFE. 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 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 VEHICLE 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** 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

Professional low cost tool saves all the vehicle settings to prevent loss and expensive reprogramming not just for radio codes but for immobilisers, traction control, engine management and satellite navigation. Bright, easy to read LEDs for at-a-glance confirmation of connection. Must be used with any existing booster packs with a standard AUX socket or even vehicle-to-vehicle.

3. SPECIFICATION

Model No: **VS2073**
Cable Length: 1.8m
Connection: EOBD

4. OPERATION

NOTE: Some vehicle manufacturers **DO NOT** allow the use of a memory saver through the OBDII. Consult the vehicle manufacturer before use, to determine if a memory saver is acceptable for use on the vehicle.

- 4.1. Make sure that the power source used is greater than or equal to 12VDC. If using a portable battery device, make sure it is fully charged.
- 4.2. Turn off the vehicle and make sure all accessories are off.
- 4.3. Wait at least 30 minutes before using Memory Safe. This ensures that the accessories are no longer drawing current from the car battery. Current draw must be measured to be less than or equal to 2Amps maximum before attaching the Memory Safe to the vehicle.

- 4.4. Connect the Memory Safe's 12V accessory plug to your 12VDC power supply. The yellow **CONNECTED** LED in box no.1 will light, indicating a good connection.
- ☐ **WARNING! DO NOT** plug the 12V power plug into the power outlet within the same vehicle from which you are removing the battery.
- 4.5. Connect the Memory Safe's 12V EOBD diagnostic connector to the vehicle's EOBD plug. Make sure the connector is fully engaged. The yellow **CONNECTED** LED in box no.2 will light, indicating a good connection.
- 4.6. Make sure that the green **PROCEED** LED in box no.3 is lit, indicating that you may disconnect the vehicle's battery. If the **DO NOT PROCEED** LED in box no.3 lights, **DO NOT disconnect the vehicle's battery; disconnect the Memory Safe** and contact a qualified vehicle electrician for electrical system repair.
- ☐ **WARNING!** When working with the vehicle's battery, review all of the battery manufacturer's safety instructions, warnings and directives regarding disconnection, removal and replacement.
- 4.7. Disconnect the vehicle's battery cables and cover the positive and negative cables with insulator, such as electrical tape. This prevents the connectors from touching metal, each other or the chassis and causing a short circuit, due to the vehicle's electrical system receiving power through the EOBD connection.
- 4.8. Remove the old battery and put the new battery into position.
- 4.9. Remove the insulator from the positive cable and connect it to the positive terminal of the new battery.
- 4.10. Remove the insulator from the negative cable and connect it to the negative terminal of the new battery.
- 4.11. Once the new battery is connected, unplug the memory safe's EOBD connector from the vehicle's EOBD plug and disconnect the 12V DC plug from the 12V power supply.

5. TROUBLESHOOTING

PROBLEM	SOLUTION
The yellow LED in box no.1 does not illuminate.	Make sure that the Memory Safe's 12V accessory power plug is fully engaged with the power source connector socket.
The yellow LED in box no.2 does not illuminate.	Make sure that the Memory Safe's diagnostics connector is fully engaged with the vehicle's EOBD socket.
The red LED in box no.3 does not illuminate.	Indicates that the vehicle, by design, may not allow the use of the Memory Safe.



Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.

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.

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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