

Sealey VS8812

Sealey VS8812 EOBD Code Reader - Live Data User Manual

Model: VS8812 | Brand: Sealey

1. INTRODUCTION

This user manual provides comprehensive instructions for the operation and maintenance of your Sealey VS8812 EOBD Code Reader. This device is designed to provide fast and easy access to On-Board Diagnostics (EOBD) codes for petrol vehicles manufactured from 2001 onwards and diesel vehicles from 2004 onwards. It helps identify the cause of the illuminated Malfunction Indicator Lamp (MIL), commonly known as the engine check light.

The VS8812 is a CAN-enabled tool capable of retrieving generic P0, P2, P3, and U10 codes related to engine emissions, as well as manufacturer-specific P1, P3, and U1 codes. It can turn off the MIL light, clear diagnostic trouble codes (DTCs), and reset monitors. The device supports the new extended sensor list (SAE J1979 2007) and provides access to live data streams from engine and transmission modules, including O2 sensor data. It also stores freeze-frame data for later evaluation and includes I/M Readiness functionality with color-coded LEDs to assist with emissions testing preparation.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the Sealey VS8812 EOBD Code Reader:

- **Vehicle Safety:** Ensure the vehicle is parked on a level surface with the parking brake engaged. The ignition should be off before connecting or disconnecting the tool.
- **Electrical Safety:** Do not connect or disconnect the tool while the ignition is on or the engine is running, as this may damage the tool or the vehicle's electronic system.
- **Personal Safety:** Wear appropriate personal protective equipment, such as safety glasses, when working on vehicles. Avoid contact with hot engine components or moving parts.
- **Tool Care:** Keep the tool dry and clean. Do not expose it to extreme temperatures or direct sunlight for prolonged periods.
- **Proper Use:** Use the tool only for its intended purpose as an EOBD code reader. Misuse may lead to inaccurate readings or damage.

3. PRODUCT OVERVIEW

The Sealey VS8812 EOBD Code Reader is a compact, handheld device designed for automotive diagnostics. It features a clear display screen and intuitive button controls.



Figure 3.1: Front view of the Sealey VS8812 EOBD Code Reader, showing the display screen, "ENTER/Exit" button, "SCROLL" button, and "Fn" button. The device is red with a black screen and buttons.

Key Components:

- **Display Screen:** Shows diagnostic information, menus, and live data.
- **ENTER/Exit Button:** Confirms selections or returns to the previous menu.
- **SCROLL Button:** Navigates through menu options and data lists.
- **Fn (Function) Button:** Provides access to additional functions or shortcuts.
- **OBD-II Connector Cable:** Permanently attached cable for connecting to the vehicle's OBD-II port.



Figure 3.2: The Sealey VS8812 EOBD Code Reader shown with its integrated OBD-II diagnostic cable, which connects to the vehicle's diagnostic port.

4. SETUP

Setting up your Sealey VS8812 EOBD Code Reader is a straightforward process:

1. **Locate the OBD-II Port:** The OBD-II port is typically located under the dashboard on the driver's side, though its exact position may vary by vehicle model. Refer to your vehicle's owner's manual if you cannot locate it.
2. **Turn Off Ignition:** Ensure the vehicle's ignition is in the OFF position.
3. **Connect the Tool:** Plug the OBD-II connector cable from the VS8812 into the vehicle's OBD-II port. Ensure a secure connection.
4. **Power On:** Once connected, the VS8812 will typically power on automatically, drawing power from the vehicle's battery. If it does not power on, turn the vehicle's ignition to the ON position (engine off).
5. **Initial Screen:** The device will display the main menu or a welcome screen.

5. OPERATING INSTRUCTIONS

The Sealey VS8812 offers various diagnostic functions. Navigate through the menus using the SCROLL button and confirm selections with the ENTER/Exit button.



Figure 5.1: The main menu screen of the Sealey VS8812, displaying options such as "OBD/EOBD", "Ready Test", "Setup", and "About".

5.1. Reading and Clearing Diagnostic Trouble Codes (DTCs)

1. From the main menu, select "OBD/EOBD" and press ENTER.

2. Choose **"Read Codes"** to display current, pending, and historic DTCs. The screen will show the code and its definition.
3. To clear codes, select **"Erase Codes"** from the OBD/EOBD menu. Confirm your choice when prompted. This action will turn off the Malfunction Indicator Lamp (MIL) and reset all monitors.

5.2. Live Data Stream

The VS8812 can display real-time data from various vehicle sensors and modules.



Figure 5.2: The Sealey VS8812 being used to display live data streams, showing various engine parameters such as LOAD, ECT, RPM, and vehicle speed.

1. From the OBD/EOBD menu, select **"Live Data"**.
2. Use the SCROLL button to view different parameters such as engine RPM, vehicle speed, coolant temperature, O2 sensor readings, and more.
3. The tool also stores freeze-frame data, which captures engine conditions at the moment a fault code was set.

5.3. I/M Readiness

This function checks the readiness of the emission-related monitoring systems on the vehicle, which is crucial for emissions testing.

- From the main menu, select **"Ready Test"**.
- The screen will display the status of various monitors (e.g., O2 Sensor Monitor, Catalyst Monitor). Color-coded LEDs on the device may also indicate readiness status (e.g., green for ready, yellow for incomplete).

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Sealey VS8812 EOBD Code Reader:

- **Cleaning:** Wipe the tool with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tool in a clean, dry environment, away from direct sunlight and extreme temperatures.
- **Cable Care:** Do not bend or crimp the diagnostic cable excessively. Store it neatly to prevent damage.
- **Software Updates:** Check the official Sealey website periodically for any available software updates for your model to ensure compatibility with newer vehicles and improved functionality.

7. TROUBLESHOOTING

If you encounter issues with your Sealey VS8812, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not power on.	Loose connection to OBD-II port. Vehicle ignition not on (if required). Vehicle battery low or dead. Faulty OBD-II port fuse in vehicle.	Ensure cable is securely plugged in. Turn vehicle ignition to ON position (engine off). Check vehicle battery voltage. Inspect and replace vehicle's OBD-II fuse if blown.
"Link Error" or "Communication Error" message.	Incorrect protocol detected. Vehicle not EOBD compliant. Faulty connection.	Verify vehicle is EOBD compliant (Petrol 2001+, Diesel 2004+). Ensure cable is securely connected. Try connecting to a different EOBD compliant vehicle to rule out tool issue.
Cannot clear codes.	Engine running. Underlying fault still present.	Ensure engine is off and ignition is on. Codes will reappear if the underlying issue is not resolved. Address the vehicle fault first.

If problems persist, contact Sealey customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	VS8812
Manufacturer	Sealey
Product Dimensions	0.71 x 3.23 x 0.71 inches (approx.)
Item Weight	12 ounces (approx.)
Power Source	Corded Electric (via OBD-II port)
Color	Red
Supported Protocols	EOBD (Petrol 2001+, Diesel 2004+), CAN

Feature	Detail
Functions	Read/Clear DTCs, Live Data, Freeze Frame, I/M Readiness
Included Components	Sealey VS8812 EOBD Code Reader - Live Data




9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Sealey VS8812 EOBD Code Reader, please refer to the official Sealey website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Sealey Official Website: www.sealey.co.uk

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Related Documents - VS8812

	<p>Sealey VS8812.V2 EOBD Code Reader - Live Data User Manual</p> <p>Comprehensive user manual for the Sealey VS8812.V2 EOBD Code Reader, providing instructions on safety, operation, diagnostics, and maintenance for vehicle fault finding.</p>
	<p>Sealey VS8811 EOBD Code Reader User Manual</p> <p>Comprehensive instructions for the Sealey VS8811 EOBD Code Reader, covering safety, operation, reading codes, erasing codes, I/M readiness status, VIN number retrieval, rescan data, and maintenance.</p>
	<p>Sealey VS8811 EOBD Code Reader User Manual</p> <p>Instructions and specifications for the Sealey VS8811 EOBD Code Reader, a tool for diagnosing engine and transmission issues in Petrol 2001 onwards and Diesel 2004 onwards vehicles.</p>



Instructions For:
VAG Code Reader
and Reset Tool

Model No: VS862
FW VERSION: V2.4 (V1.8)

Table of Contents

1.	Safety Precautions and Warnings	3
2.	Product Information	2
2.1	Tool Description	3
2.2	Specifications	4
2.3	Accessories Included	4
2.4	Navigation Characters	4
2.5	Keyboard	5
2.6	Power	5
2.7	Product Setup	5
2.8	Vehicle Coverage	10
3.	Operating Instructions	10
3.1	VW/AUDI Diagnostics	10
3.2	OBDII/EOBD Diagnostics	16
3.3	Oil Service	30
4.	Warranty and Service	34
4.1	Limited One Year Warranty	34
4.2	Service Procedures	34

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Comprehensive user manual for the Sealey VS862 VAG Code Reader and Reset Tool. Provides detailed instructions for diagnosing and resetting VAG vehicles, along with OBDII/EOBD diagnostics and oil service functions.



Instructions for:
OBD CODE READER
MODEL: VS870

Table of Contents

1.	Safety Precautions and Warnings	1
2.	General Information	2
2.1	General Information	2
2.1.1	On-Board Diagnostics (OBD)/OBD-2	2
2.2	Diagnostic Trouble Codes (DTC)	3
2.3	Accessing the Data Link Connector (DLC)	4
2.4	OBD Readiness Monitors	4
2.5	Accessing the Readiness Status	5
2.6	OBD Definitions	6
3.	Using the Code Reader	7
3.1	Tool Description	7
3.2	Specifications	8
3.3	Accessories Included	9
3.4	Navigation Characters	9
3.5	Voltage Power	9
3.6	Pinout Setup	10
3.7	Voltage Coverage	13
4.	OBDII Codes	14
4.1	Reading Codes	15
4.2	Erasing Codes	16
4.3	Viewing Freeze Frame Data	16
4.4	Retrieving ILM Readiness Status	19
4.5	Viewing Vehicle Information	20
4.6	Erasing OBDII/EOBD Tool	21
5.	Warranty and Service	25
5.1	One Year/One Year Warranty	25
5.2	Service Procedures	26

This manual provides detailed instructions for the Sealey VS8700 EOBd Code Reader, covering safety precautions, general information on OBDII/EOBD systems, tool operation, diagnostic procedures, and warranty details.



Contents

Table of Contents

1	Safety Procedures and Warnings	2
2	General Information	3
3	On Road Disasters (O-Road)	3
4	On Road Disasters (O-Road)	3
5	Location of the Road Side Camera (RSC)	4
6	O-Road Disasters (O-Road)	4
7	O-Road Disasters (O-Road)	4
8	O-Road Disasters (O-Road)	4
9	O-Road Disasters (O-Road)	4
10	O-Road Disasters (O-Road)	4
11	O-Road Disasters (O-Road)	4
12	O-Road Disasters (O-Road)	4
13	O-Road Disasters (O-Road)	4
14	O-Road Disasters (O-Road)	4
15	O-Road Disasters (O-Road)	4
16	O-Road Disasters (O-Road)	4
17	O-Road Disasters (O-Road)	4
18	O-Road Disasters (O-Road)	4
19	O-Road Disasters (O-Road)	4
20	O-Road Disasters (O-Road)	4
21	O-Road Disasters (O-Road)	4
22	O-Road Disasters (O-Road)	4
23	O-Road Disasters (O-Road)	4
24	O-Road Disasters (O-Road)	4
25	O-Road Disasters (O-Road)	4
26	O-Road Disasters (O-Road)	4
27	O-Road Disasters (O-Road)	4
28	O-Road Disasters (O-Road)	4
29	O-Road Disasters (O-Road)	4
30	O-Road Disasters (O-Road)	4
31	O-Road Disasters (O-Road)	4
32	O-Road Disasters (O-Road)	4
33	O-Road Disasters (O-Road)	4
34	O-Road Disasters (O-Road)	4
35	O-Road Disasters (O-Road)	4
36	O-Road Disasters (O-Road)	4
37	O-Road Disasters (O-Road)	4
38	O-Road Disasters (O-Road)	4
39	O-Road Disasters (O-Road)	4
40	O-Road Disasters (O-Road)	4
41	O-Road Disasters (O-Road)	4
42	O-Road Disasters (O-Road)	4
43	O-Road Disasters (O-Road)	4
44	O-Road Disasters (O-Road)	4
45	O-Road Disasters (O-Road)	4
46	O-Road Disasters (O-Road)	4
47	O-Road Disasters (O-Road)	4
48	O-Road Disasters (O-Road)	4
49	O-Road Disasters (O-Road)	4
50	O-Road Disasters (O-Road)	4
51	O-Road Disasters (O-Road)	4
52	O-Road Disasters (O-Road)	4
53	O-Road Disasters (O-Road)	4
54	O-Road Disasters (O-Road)	4
55	O-Road Disasters (O-Road)	4
56	O-Road Disasters (O-Road)	4
57	O-Road Disasters (O-Road)	4
58	O-Road Disasters (O-Road)	4
59	O-Road Disasters (O-Road)	4
60	O-Road Disasters (O-Road)	4
61	O-Road Disasters (O-Road)	4
62	O-Road Disasters (O-Road)	4
63	O-Road Disasters (O-Road)	4
64	O-Road Disasters (O-Road)	4
65	O-Road Disasters (O-Road)	4
66	O-Road Disasters (O-Road)	4
67	O-Road Disasters (O-Road)	4
68	O-Road Disasters (O-Road)	4
69	O-Road Disasters (O-Road)	4
70	O-Road Disasters (O-Road)	4
71	O-Road Disasters (O-Road)	4
72	O-Road Disasters (O-Road)	4
73	O-Road Disasters (O-Road)	4
74	O-Road Disasters (O-Road)	4
75	O-Road Disasters (O-Road)	4
76	O-Road Disasters (O-Road)	4
77	O-Road Disasters (O-Road)	4
78	O-Road Disasters (O-Road)	4
79	O-Road Disasters (O-Road)	4
80	O-Road Disasters (O-Road)	4
81	O-Road Disasters (O-Road)	4
82	O-Road Disasters (O-Road)	4
83	O-Road Disasters (O-Road)	4
84	O-Road Disasters (O-Road)	4
85	O-Road Disasters (O-Road)	4
86	O-Road Disasters (O-Road)	4
87	O-Road Disasters (O-Road)	4
88	O-Road Disasters (O-Road)	4
89	O-Road Disasters (O-Road)	4
90	O-Road Disasters (O-Road)	4
91	O-Road Disasters (O-Road)	4
92	O-Road Disasters (O-Road)	4
93	O-Road Disasters (O-Road)	4
94	O-Road Disasters (O-Road)	4
95	O-Road Disasters (O-Road)	4
96	O-Road Disasters (O-Road)	4
97	O-Road Disasters (O-Road)	4
98	O-Road Disasters (O-Road)	4
99	O-Road Disasters (O-Road)	4
100	O-Road Disasters (O-Road)	4

This comprehensive user manual provides detailed instructions for operating the Sealey Scan Tool Pro, including OBD II/EOBD diagnostics, troubleshooting, product setup, and warranty information for automotive professionals and enthusiasts.