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iCarsoft VOL V3.0

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1. INTRODUCTION

The iCarsoft VOL V3.0 is a professional diagnostic tool designed for Volvo and Saab vehicles. This device provides comprehensive system diagnostics, allowing users to read and clear diagnostic trouble codes (DTCs), view live data, perform various special functions, and conduct maintenance tasks. This manual provides essential instructions for setting up, operating, and maintaining your diagnostic tool.

2. PRODUCT OVERVIEW

The iCarsoft VOL V3.0 offers advanced diagnostic capabilities for a wide range of vehicle systems. Key features include:

- Full system diagnosis for Volvo and Saab vehicles.
- Reading and clearing of Diagnostic Trouble Codes (DTCs).
- Live data display in text and graph format.
- Support for various special functions such as Oil Service Reset, Electronic Parking Brake (EPB) Reset, Battery Management System (BMS) Reset, Diesel Particulate Filter (DPF) Regeneration, Steering Angle Sensor (SAS) Calibration, and Electronic Throttle Control System (ETCS) Reset.
- Data review and printing capabilities.



Figure 1: The iCarsoft VOL V3.0 diagnostic device and its packaging. The handheld unit features a screen displaying 'Monitor Overview' data, including 'MIL Status: OFF', 'Codes Found: 0', 'Monitor Completed: 5', 'Monitor Not Completed: 2', 'Monitor Not Supported: 0', 'Ignition Type: Spark', and 'Protocol Type: CAN'. It is connected via an OBD-II cable. The red and black product box is visible in the background.

3. SETUP AND CONNECTION

3.1 What's in the Box

Upon unboxing, ensure all components are present:

- iCarsoft VOL V3.0 OBD diagnostic device
- 16-pin OBD cable adapter
- USB cable (for updates)
- Instruction manual / Technical documentation

3.2 Connecting to Your Vehicle

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is turned off.
3. Connect the 16-pin OBD cable adapter to the vehicle's DLC.
4. Connect the other end of the OBD cable to the iCarsoft VOL V3.0 diagnostic tool.
5. Turn the vehicle's ignition to the 'ON' position (engine off). The diagnostic tool will power on automatically.

4. OPERATING INSTRUCTIONS

4.1 Navigating the Menu

The device features a 4-inch color screen and a user-friendly interface. Use the directional buttons (up, down, left, right) to navigate through menus and select options. The 'Enter' button confirms selections, and the 'Back' button returns to the previous screen.

4.2 Performing a Diagnostic Scan

1. From the main menu, select 'Diagnose' or 'Volvo/Saab' (depending on the specific menu structure).
2. Choose the vehicle model and year.
3. Select 'Auto Scan' to perform a comprehensive scan of all available systems, or choose a specific system (e.g., Engine, ABS, Airbag) for a targeted scan.
4. The tool will display any detected Diagnostic Trouble Codes (DTCs) and their descriptions.
5. To view live data, select the 'Live Data' option from the diagnostic menu.

4.3 Clearing Diagnostic Trouble Codes (DTCs)

After addressing the underlying issue that caused a DTC, you can clear the codes from the vehicle's computer:

1. Ensure the ignition is 'ON' and the engine is off.
2. Navigate to the system where you wish to clear codes (e.g., Engine).
3. Select the 'Clear Codes' or 'Erase DTCs' option.
4. Confirm the action when prompted. This will turn off the Malfunction Indicator Lamp (MIL) if the fault has been resolved.

4.4 Special Functions

The VOL V3.0 supports various special functions. Access these from the main menu or within specific system diagnostic menus. Follow the on-screen prompts carefully for each function.

5. MAINTENANCE

5.1 Device Care

- Keep the device clean and free from dust and moisture.
- Avoid dropping the device or subjecting it to strong impacts.
- Store the device in a cool, dry place when not in use.

5.2 Software Updates

Regular software updates are released to improve functionality, add new vehicle models, and fix bugs. Connect the device to a computer via the provided USB cable and visit the official iCarsoft website for update instructions and software downloads.

6. TROUBLESHOOTING

- **Device does not power on:** Ensure the OBD cable is securely connected to both the vehicle's DLC and the diagnostic tool. Verify the vehicle's ignition is in the 'ON' position.
- **Communication error:** Check all cable connections. Ensure the vehicle's battery has sufficient charge. Try connecting to a different vehicle to rule out a vehicle-specific issue.
- **Codes not clearing:** Ensure the underlying fault has been repaired. Some codes may not clear if the

fault is still present.

- **Screen frozen:** Disconnect the device from the vehicle, wait a few seconds, and reconnect. If the issue persists, perform a software update.

7. SPECIFICATIONS

Feature	Specification
Model	VOL V3.0
Screen Size	4 Inches
Power Source	Corded Electric (via OBD-II port)
Item Weight	1.67 pounds
Package Dimensions	10.39 x 7.48 x 2.64 inches
Manufacturer Part Number	ICARSOFT-VOL-V3

8. WARRANTY AND SUPPORT

The iCarsoft VOL V3.0 diagnostic tool typically comes with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official iCarsoft website for detailed warranty terms and conditions.

For technical support, software updates, or further assistance, please visit the official iCarsoft support portal or contact their customer service department. Contact information can usually be found on the manufacturer's website or in the product packaging.