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HUIWOSEN V318

HUIWOSEN V318 OBD2 Car Scanner Diagnostic Scan Tool User Manual

Model: V318

1. Introduction

The HUIWOSEN V318 OBD2 Car Scanner Diagnostic Scan Tool is designed to assist in diagnosing vehicle issues by reading and clearing diagnostic trouble codes (DTCs). This device is compatible with all vehicles that comply with the OBD II standard. It provides essential information to help users understand and resolve common engine-related problems.

2. Safety Information

- Always perform automotive testing in a safe environment.
- Wear eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc., away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area; exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires, and spark plugs. These components create hazardous voltages when the engine is running.
- Ensure the transmission is in PARK (for automatic) or NEUTRAL (for manual) and the parking brake is engaged.
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.

3. Product Overview

The HUIWOSEN V318 is a handheld diagnostic tool featuring a clear display and intuitive button layout for easy operation.



Figure 3.1: Front view of the HUIWOSEN V318 OBD2 Car Scanner, showing the screen and control buttons.



Figure 3.2: Front and back view of the HUIWOSEN V318 OBD2 Car Scanner, highlighting the ergonomic design and textured grip on the rear.

3.1. Device Components

- **OBD2 Connector Cable:** Connects the scanner to the vehicle's OBD2 port.
- **LCD Display:** Shows diagnostic information and menu options.
- **ESC Button:** Exits current menu or cancels an operation.
- **I/M Button:** Quick access to I/M Readiness status.
- **OK Button:** Confirms selections or enters menus.
- **Up/Down/Left/Right Navigation Buttons:** Used to scroll through menus and data.

4. Setup

4.1. Connecting to the Vehicle

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This is usually located under the dashboard on the

driver's side.

2. Turn the vehicle's ignition to the **OFF** position.
3. Plug the V318 scanner's OBD2 connector into the vehicle's DLC. Ensure a firm connection.
4. Turn the vehicle's ignition to the **ON** position (engine off). The scanner will automatically power on.

4.2. Initial Setup and Language Selection

Upon first power-on, or if settings are reset, you may need to select your preferred language. The V318 supports 10 languages.

1. From the main menu, navigate to **Settings** using the navigation buttons.
2. Press **OK** to enter the Settings menu.
3. Select **Language** and press **OK**.
4. Choose your desired language from the list and press **OK** to confirm.

5. Operating Instructions

Once connected and powered on, the V318 will establish communication with the vehicle's onboard computer. The main menu will then be displayed.

5.1. Main Menu Navigation

- Use the **Up**/**Down** buttons to scroll through menu options.
- Press the **OK** button to select a highlighted option or enter a submenu.
- Press the **ESC** button to return to the previous menu or exit a function.

5.2. Key Diagnostic Functions

The V318 offers several diagnostic functions:

- **Read Codes:** Retrieves Diagnostic Trouble Codes (DTCs) from the vehicle's computer. These codes indicate specific issues.
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light (MIL). *Note: Ensure the underlying issue is resolved before clearing codes, as they may reappear.*
- **View Freeze Frame:** Displays a snapshot of sensor data recorded by the vehicle's computer at the moment a fault code was set. This helps in diagnosing intermittent problems.
- **I/M Readiness:** Checks the status of the vehicle's emission-related monitoring systems to determine if they are ready for an inspection/maintenance test.
- **Read Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).
- **Data Stream (Real-Time Curve):** Displays live sensor data from the vehicle's engine control unit (ECU) in numerical or graphical format. This includes parameters like engine RPM, vehicle speed, oxygen sensor readings, etc.
- **Battery Voltage Test:** Tests and displays the current voltage value of the car battery in real-time.

6. Maintenance

6.1. Cleaning

To keep your V318 scanner in good condition:

- Use a soft, damp cloth with mild soap to clean the exterior of the unit.
- Do not use abrasive cleaners or solvents.
- Avoid getting moisture into the connectors or display.

6.2. Storage

When not in use, store the scanner in a dry, clean environment, away from extreme temperatures and direct sunlight. Keep the protective caps on the connectors if available.



Figure 6.1: The V318 scanner and its packaging box, suitable for storage.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Scanner does not power on.	Loose connection to DLC; Vehicle ignition not ON; Blown fuse in vehicle's OBD2 circuit.	Ensure the OBD2 connector is securely plugged in. Turn vehicle ignition to ON. Check vehicle's fuse box for a blown fuse related to the OBD2 port.
Communication error with vehicle.	Incorrect protocol; Faulty connection; Vehicle not OBD2 compliant.	Verify the vehicle is OBD2 compliant (most vehicles from 1996 onwards in the US). Re-check the connection. Try on another OBD2 compliant vehicle if possible.
Cannot clear codes.	Engine running; Underlying fault still present.	Ensure the engine is OFF and the ignition is ON. Address the underlying issue causing the fault code before attempting to clear it.
Display is blank or frozen.	Software glitch; Power interruption.	Disconnect the scanner from the vehicle, wait a few seconds, and reconnect. If the issue persists, contact customer support.

8. Specifications

- **Model:** A0268 (V318)
- **Operating Voltage:** DC 12V
- **Operating Temperature:** -20°C to 0°C (-4°F to 32°F)
- **Applicable Models:** OBDII Protocol Cars
- **Item Weight:** 1.65 pounds
- **Package Dimensions:** 0.39 x 0.39 x 0.39 inches
- **Supported Languages:** 10 languages

9. Warranty Information

This product is typically covered by a standard manufacturer's warranty. For specific details regarding your purchase, please refer to the documentation provided at the time of purchase or contact your retailer.

Extended protection plans may be available for purchase, offering coverage for 3 or 4 years. These plans typically cover product malfunctions and provide repair or replacement services.

A 30-day return policy for refund or replacement is generally offered by retailers for new, unused items.

10. Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the manufacturer, HUIWOSEN, or your product retailer. Please have your product model (V318) and purchase details ready when contacting support.

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