

VDIAGTOOL VD10

VDIAGTOOL VD10 OBD2 Scanner Code Reader Instruction Manual

Model: VD10

1. INTRODUCTION

The VDIAGTOOL VD10 OBD2 Scanner Code Reader is a diagnostic tool designed to assist in identifying and resolving vehicle engine issues. This manual provides detailed instructions for the proper use and maintenance of your device.



Image 1: VDIAGTOOL VD10 OBD2 Scanner displaying the main diagnostic menu.

2. PRODUCT OVERVIEW AND FEATURES

The VDIAGTOOL VD10 is a user-friendly device offering essential OBDII diagnostic functions. It is designed for compatibility with most OBDII-compliant vehicles manufactured after 1996 (US-based), 2006 (EU-based), and 2009 (Asian-based), operating on a 12V system.

- **Read Codes (DTCs):** Retrieves generic (P0, P2, P3, U0) and manufacturer-specific (P1, P3, U1) codes, along with pending codes.
- **Clear Codes:** Erases Diagnostic Trouble Codes and turns off the Malfunction Indicator Light (MIL).
- **Live Data:** Displays real-time data stream from vehicle sensors (e.g., Engine RPM, Intake Air Temperature).
- **View Freeze Frame:** Captures a snapshot of operating conditions at the moment a fault code

was set.

- **I/M Readiness:** Checks the operational status of emission-related systems for smog inspection.
- **Vehicle Information:** Retrieves VIN, Calibration ID(s), and Calibration Verification Numbers (CVNs).
- **DTC Lookup Library:** Provides definitions for over 3000 codes directly on the screen.
- **Battery Voltage Test:** Displays current battery voltage.
- **Plug & Play:** Powers directly from the vehicle's OBDII port, requiring no external batteries.
- **Multi-language Support:** Supports English, French, German, Spanish, Italian, and Russian.

WIDE CAPABILITY

Compatible with 99% OBDII-Compliant Vehicles



OBDII Protocol(Plug & Play)

VD10

Diagnostic Menu 1/7

- 1) Read Codes
- 2) Erase Codes
- 3) View Freeze Frame
- 4) Read Data Stream

OBDII/EOBD+CAN

ENTER

EXIT



Americas



Asia



Europe

Support post 1996 US-based, post 2006 for EU-based and post 2009 for Asian-based, 12V cars, SUVs, light trucks.

Image 2: The VD10 scanner highlighting its wide compatibility with vehicles from various regions.

3. WHAT'S IN THE BOX

Your VDIAGTOOL VD10 package includes the following items:

- VDIAGTOOL VD10 OBD2 Scanner Code Reader (1 unit)
- OBDII Connector Cable (1 unit)
- User Manual (1 unit)

4. SETUP

1. **Locate the OBDII Port:** The 16-pin Data Link Connector (DLC) is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's service manual if you cannot locate it.
2. **Connect the Scanner:** Plug the OBDII connector cable into the vehicle's DLC. The scanner will power on automatically.
3. **Turn on Ignition:** Turn the vehicle's ignition to the 'ON' position. The engine should remain off.
4. **Select Language and Units:** Navigate to the 'Settings' menu on the scanner to select your preferred language and units of measurement (e.g., English, Metric).

Your browser does not support the video tag.

Video 1: A demonstration of connecting the VD10 scanner to a vehicle's OBDII port and navigating initial setup options.

5. OPERATING INSTRUCTIONS

5.1 Reading Diagnostic Trouble Codes (DTCs)

To identify why the Malfunction Indicator Light (MIL) is on, follow these steps:

1. From the main menu, select 'Read Codes'.
2. The scanner will display any stored, pending, or permanent DTCs.
3. Use the up/down arrows to scroll through the codes and view their definitions.

DTC LOOKUP

- GUIDE: 10000+ DTC Definition Inside without Searching Online.
- DIAGNOSTIC: Accurate & Easy to Identify Car Problems Quickly.



Image 3: The VD10 scanner displaying a Diagnostic Trouble Code (DTC) and its definition.

5.2 Clearing Diagnostic Trouble Codes (DTCs)

After diagnosing and resolving the underlying issue, you can clear the DTCs:

1. From the main menu, select 'Erase Codes'.
2. Confirm your selection when prompted. This will clear all emission-related diagnostic information and turn off the MIL.
3. Ensure the engine is off but the ignition is on when performing this function.

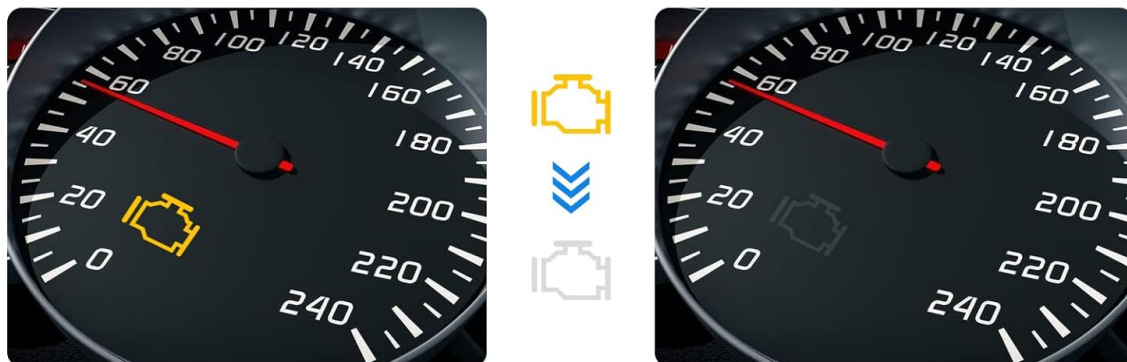


Image 4: The VD10 scanner showing the 'Erase Codes' confirmation screen, indicating the process to clear trouble codes.

5.3 Viewing Live Data

To monitor real-time sensor data:

1. From the main menu, select 'Live Data'.
2. Choose to view all items or select specific parameters.
3. The scanner will display numerical values for various engine parameters.

5.4 Viewing Freeze Frame Data

To review vehicle conditions at the time a fault occurred:

1. From the main menu, select 'View Freeze Frame'.
2. The scanner will display recorded sensor values and operating conditions.

5.5 I/M Readiness Test

To check if your vehicle is ready for an emissions test:

1. From the main menu, select 'I/M Readiness'.
2. The display will show the status of various emission monitors (OK, INC - Incomplete, N/A - Not Applicable).

Simple Operation & Powerful Function



Image 5: The VD10 scanner displaying the I/M Readiness screen, indicating the status of emission monitors.

5.6 Vehicle Information

To retrieve specific vehicle details:

1. From the main menu, select 'Vehicle Info'.
2. The scanner will display the VIN, Calibration ID(s), and CVNs.

5.7 DTC Lookup

To manually look up a Diagnostic Trouble Code:

1. From the main menu, select 'DTC Lookup'.
2. Enter the DTC using the navigation buttons.
3. The scanner will display the definition of the entered code.

5.8 Battery Voltage Test

To check the vehicle's battery voltage:

1. From the main menu, select 'Battery'.
2. The scanner will display the current battery voltage and its status.

6. MAINTENANCE

- Keep the scanner clean and dry. Use a mild detergent on a clean cloth to wipe the exterior.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Store the scanner in a safe place when not in use to prevent damage.
- Regularly check for software updates to ensure optimal performance and compatibility with new vehicle models. Updates are free for the lifetime of the product.

7. TROUBLESHOOTING

- **Scanner Fails to Power On:** Ensure the OBDII cable is securely connected to the vehicle's DLC. Verify the vehicle's ignition is in the 'ON' position.
- **Linking Error:** Check if the vehicle is OBDII compliant. Verify the ignition is on and the cable is securely connected. Turn the ignition off for about 10 seconds, then turn it back on and retry.
- **No Codes Found:** If the MIL is not illuminated, there may be no current fault codes. Check for pending codes or I/M readiness status.
- **Incorrect Data Display:** Ensure the correct units of measurement are selected in the 'Settings' menu.







8. SPECIFICATIONS

- **Model:** VD10
- **Display:** 2.2-inch LCD screen with white backlight and contrast adjustment
- **Operating Voltage:** 8.0 to 18.0 V (powered via vehicle battery)
- **Supported Protocols:** CAN, ISO9141, KWP2000, J1850 PWM, J1850 VPW
- **Dimensions:** 9.8 x 6.69 x 1.58 inches
- **Weight:** 9.2 ounces
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)
- **Storage Temperature:** -20°C to 70°C (-4°F to 158°F)

9. WARRANTY AND SUPPORT

The VDIAGTOOL VD10 OBD2 Scanner comes with a 3-year warranty from the date of purchase. Additionally, VDIAGTOOL provides lifetime free software updates for this product. For technical support or warranty claims, please refer to the contact information provided in your product packaging or visit the official VDIAGTOOL website.

Related Documents - VD10

 <p>Manual de usuario Lector de códigos multifuncional VD31</p>	<p>VDIAGTOOL VD31 Multifunctional Code Reader User Manual</p> <p>Comprehensive user manual for the VDIAGTOOL VD31 multifunctional OBDII/EOBD code reader, covering safety, operation, features, troubleshooting, and support. Learn how to diagnose vehicle issues with this advanced diagnostic tool.</p>
 <p>OBD VD10 User's Manual</p>	<p>OBD VD10 User's Manual: Automotive Diagnostic Scan Tool Guide</p> <p>Comprehensive user's manual for the VDIAGTOOL OBD VD10 scan tool, covering safety precautions, general information on OBD II, how to use the tool, diagnostic functions, and warranty details.</p>
 <p>OBD VD10 User's Manual</p>	<p>OBD VD10 User's Manual: Automotive Diagnostic Scan Tool Guide</p> <p>Comprehensive user manual for the VDIAGTOOL OBD VD10 scan tool, covering safety precautions, OBD II diagnostics, tool operation, specifications, and warranty information. Learn how to read and erase trouble codes, view live data, and check I/M readiness.</p>
 <p>VDIAGTOOL USER MANUAL OBDII/EOBD CODE READER</p>	<p>VDIAGTOOL VD10 OBDII/EOBD Code Reader User Manual</p> <p>User manual for the VDIAGTOOL VD10 OBDII/EOBD Code Reader, providing detailed instructions on safety, general information, device operation, technical specifications, and support resources.</p>
 <p>VDIAGTOOL USER MANUAL OBDII/EOBD CODE READER</p>	<p>VDIAGTOOL VD30 Pro OBDII/EOBD Code Reader User Manual</p> <p>Comprehensive user manual for the VDIAGTOOL VD30 Pro OBDII/EOBD Code Reader, detailing its features, operation, safety information, and diagnostic functions for vehicle maintenance and troubleshooting.</p>
 <p>VDIAGTOOL USER MANUAL OBDII/EOBD CODE READER</p>	<p>VDIAGTOOL VD30 PRO OBDII/EOBD Code Reader User Manual</p> <p>Comprehensive user manual for the VDIAGTOOL VD30 PRO OBDII/EOBD Code Reader, detailing its features, operation, diagnostic functions, safety guidelines, and technical specifications.</p>

