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BINTA V314

BINTA OBD2 Scanner V314 User Manual

Comprehensive Instructions for Vehicle Diagnostics and Maintenance

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your BINTA OBD2 Scanner, Model V314. This device is designed to assist in diagnosing vehicle issues by reading and clearing diagnostic trouble codes (DTCs), monitoring real-time data, and performing battery tests. Please read this manual thoroughly before using the device to ensure proper and safe operation.



Image 1.1: The BINTA OBD2 Scanner V314 shown alongside its user manual.

2. PRODUCT OVERVIEW

The BINTA OBD2 Scanner V314 is a compact and portable diagnostic tool featuring a 1.8-inch LCD display. It connects directly to your vehicle's OBDII port for power and data transfer.

2.1 Components and Controls



Image 2.1: Labeled diagram of the BINTA OBD2 Scanner V314, highlighting its components and control buttons.

- **DLC (Data Link Connector):** Connects to the vehicle's OBDII port.
- **LCD Display:** 1.8-inch screen for viewing test results and menu options.
- **OK Button:** Confirms selections or operations.
- **ESC Button:** Cancels selections, operations, or returns to the previous menu.
- **I/M Button:** Quick access to I/M Readiness status.
- **Scroll Up/Down Buttons:** Navigates through menu options and data.

2.2 Package Contents

- 1 x BINTA OBD2 Scanner Code Reader (Model V314)

3. SETUP

The BINTA OBD2 Scanner V314 is a plug-and-play device that does not require batteries or external charging. It draws power directly from your vehicle's OBDII port.

3.1 Initial Connection

1. Locate the OBDII port in your vehicle. This port is typically found under the dashboard on the driver's side, but its exact location may vary by vehicle model. Refer to your vehicle's owner's manual if you cannot locate it.
2. Ensure the vehicle's ignition is in the OFF position before connecting the scanner.
3. Plug the scanner's DLC connector firmly into the vehicle's OBDII port.
4. Turn the vehicle's ignition to the ON position (do not start the engine unless performing live data viewing). The scanner will power on automatically.
5. Press the **OK** button on the scanner to establish a connection with the vehicle's ECU (Engine Control Unit).

If a connection failure occurs, ensure the connection is secure and the vehicle's ignition is on. If issues persist, consult the Troubleshooting section or contact BINTA support.

4. OPERATING INSTRUCTIONS

The BINTA OBD2 Scanner V314 offers various diagnostic functions accessible through its intuitive menu system.

MULTIPLE DETECTION FUNCTION



Image 4.1: The scanner's display showing various diagnostic functions, including Engine Diagnosis, Clear Motor Fault, Frame Frozen Fault, Research DTC, I/M Status, VIN Reading, Graph in Real Time, Oxygen Sense Test, Test EVAP, Reading Data Stream In Real Time, and Battery Tension Reading.

4.1 Navigating the Menu

Use the **Scroll Up** and **Scroll Down** buttons to navigate through the menu options. Press the **OK** button to select an option and the **ESC** button to return to the previous screen.

4.2 Reading and Clearing Diagnostic Trouble Codes (DTCs)

1. From the main menu, select "Read Codes" to retrieve current, pending, and permanent DTCs.
2. The scanner will display the codes and their descriptions.
3. To clear codes, navigate to "Erase Codes" from the main menu and press **OK**. Confirm the action when prompted.
4. *Note: Clearing codes will turn off the Check Engine Light but will not fix the underlying issue. Address the fault before clearing codes to prevent recurrence.*

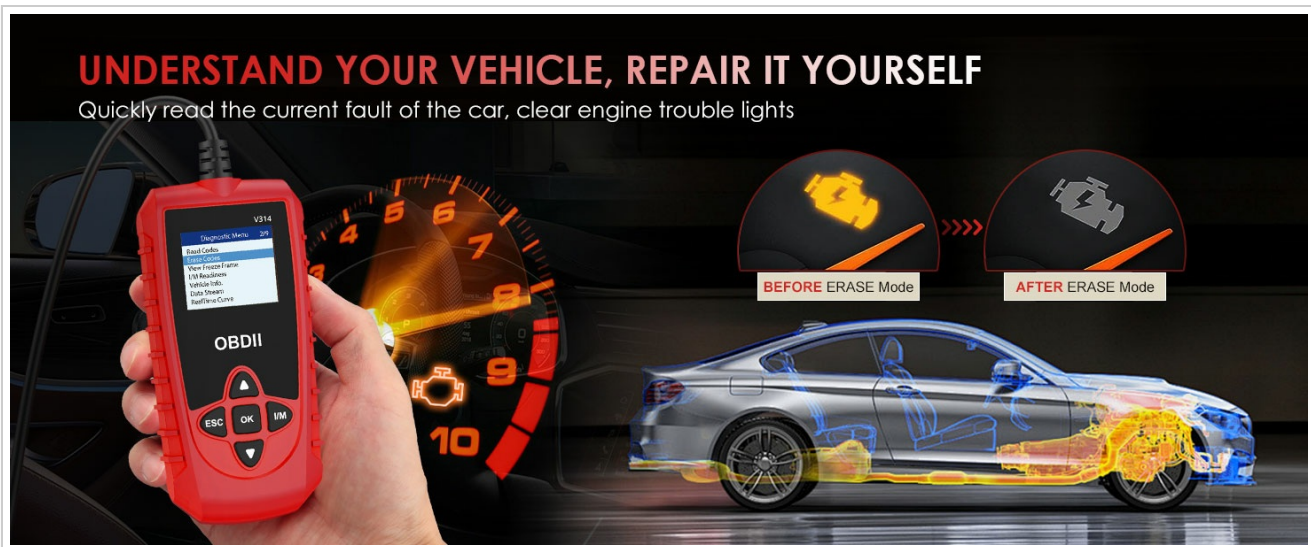


Image 4.2: Illustration of the scanner's ability to read current fault codes and clear the engine trouble light.

4.3 Live Data Stream

This function allows you to view real-time operational parameters of the vehicle's engine. Ensure the engine is running for accurate live data readings.

1. Select "Data Stream" from the main menu.
2. The scanner will display various sensor readings and parameters.
3. Use the **Scroll Up/Down** buttons to view different data points.

4.4 Freeze Frame Data

When an emission-related fault occurs, the vehicle's computer stores a snapshot of operating conditions at that moment. This is called Freeze Frame Data.

1. Select "Freeze Frame" from the main menu.
2. The scanner will display the recorded parameters, aiding in fault diagnosis.

4.5 I/M Readiness Status

This function checks the status of the vehicle's emission-related monitoring systems to determine if they are ready for an inspection/maintenance (I/M) test.

1. Select "I/M Readiness" from the main menu, or press the dedicated **I/M** button.
2. The scanner will display the status of various monitors (e.g., O2 Sensor, EVAP System).

4.6 DTC Lookup

The built-in DTC library allows you to look up the meaning of diagnostic trouble codes.

1. Select "DTC Lookup" from the main menu.
2. Enter the DTC using the navigation buttons.
3. The scanner will display the definition of the code.

4.7 Battery Test

The V314 scanner includes a function to test the vehicle's battery voltage.

1. Select "Battery" from the main menu.
2. The scanner will display the current battery voltage.



Image 4.3: The scanner's display showing detailed views for Freeze Frame data, Real-time Curve, Data Stream, and DTC Lookup.

5. COMPATIBILITY

The BINTA OBD2 Scanner V314 is compatible with a wide range of vehicles that support OBDII and CAN protocols.

- **US-based vehicles:** Compatible with models from 1996 and newer.
- **EU-based vehicles:** Compatible with models from 2002 and newer.
- **Asian vehicles:** Compatible with models from 2008 and newer.

This includes most cars, light trucks, and SUVs, both domestic and foreign. It supports 10 languages: English, German, Italian, Dutch, French, Spanish, Chinese, Russian, Japanese, and Korean.

Note: This product is not compatible with new energy vehicles, hybrids, diesels, and models that are not OBD2/OBDII compliant. Always verify your vehicle's compatibility before purchase and use.

Suitable



American models after 1996



European models after 2002



Asian patterns after 2008

This product is not compatible with new energy vehicles, hybrids, diesels, and models that are not OBD2/OBDII compliant

Image 5.1: Examples of vehicle compatibility, showing American models after 1996, European models after 2002, and Asian patterns after 2008.

NO LANGUAGE BARRIER, NO COMPATIBILITY WORRIES

Offer diagnosis assistance for worldwide vehicles

- Support 9 OBD2 PROTOCOLS:**
- ✓ SAE J1850 PWM (41.6Kbaud)
 - ✓ SAE J1850 VPW (10.4Kbaud)
 - ✓ ISO9141-2 (5 baud init, 10.4Kbaud)
 - ✓ ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
 - ✓ ISO14230-4 KWP (fast init, 10.4 Kbaud)
 - ✓ ISO15765-4 CAN (11bit ID, 500 Kbaud)
 - ✓ ISO15765-4 CAN (29bit ID, 500 Kbaud)
 - ✓ ISO15765-4 CAN (11bit ID, 250 Kbaud)
 - ✓ ISO15765-4 CAN (29bit ID, 250 Kbaud)



- English
- Italian
- French
- German
- Spanish
- Russian
- Chinese
- Korean
- Japanese
- Dutch

Image 5.2: Visual representation of global vehicle compatibility (US, EU, Asia) and the 10 supported languages.

6. SUPPORTED PROTOCOLS

The BINTA OBD2 Scanner V314 supports the following OBD2 communication protocols:



Image 6.1: The scanner displaying a list of supported OBD2 communication protocols.

1. SAE J1850 PWM (41.6 Kbaud)
2. SAE J1850 VPW (10.4 Kbaud)
3. ISO9141-2 (5 baud init, 10.4 Kbaud)
4. ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
5. ISO14230-4 KWP (fast init, 10.4 Kbaud)
6. ISO15765-4 CAN (11bit ID, 500 Kbaud)
7. ISO15765-4 CAN (29bit ID, 500 Kbaud)
8. ISO15765-4 CAN (11bit ID, 250 Kbaud)
9. ISO15765-4 CAN (29bit ID, 250 Kbaud)

7. MAINTENANCE

To ensure the longevity and proper functioning of your BINTA OBD2 Scanner V314, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the cable excessively. Do not pull the cable to disconnect the scanner; always grasp the connector.
- **Impact Protection:** Protect the device from drops and impacts, which can damage the internal components or the screen.

8. TROUBLESHOOTING

If you encounter issues with your BINTA OBD2 Scanner V314, refer to the following common problems and solutions:

- **Scanner does not power on:**
 - Ensure the scanner is securely plugged into the vehicle's OBDII port.
 - Verify that the vehicle's ignition is in the ON position.
 - Check the vehicle's fuse for the OBDII port (refer to your vehicle's manual).
- **"Link Error" or "Connection Failed" message**
 - Confirm the scanner is properly connected to the OBDII port.
 - Ensure the vehicle's ignition is ON.
 - Verify your vehicle is OBDII compliant (1996 US, 2002 EU, 2008 Asia, or newer).
 - Try connecting to a different OBDII compliant vehicle to rule out a scanner issue.
- **Cannot clear codes:**
 - Ensure the ignition is ON and the engine is OFF when attempting to clear codes.
 - Some codes (e.g., permanent codes) may require multiple drive cycles to clear after the fault is resolved.
 - If the underlying fault is still present, codes will reappear immediately after clearing.
- **Inaccurate readings or intermittent operation:**
 - Check for loose connections at the OBDII port.
 - Ensure the scanner's cable is not damaged.
 - Clean the OBDII port and scanner connector pins if they appear dirty.

For further assistance, please contact BINTA customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	BINTA
Model	V314
Item Weight	5.3 ounces

Feature	Specification
Product Dimensions	5.12 x 2.5 x 0.79 inches
Display	1.8-inch LCD
Operating System	DTC Lookup, Supports all OBD II protocols
Automotive Fit Type	Universal Fit (OBDII/CAN compliant vehicles)
Supported Languages	English, German, Italian, Dutch, French, Spanish, Chinese, Russian, Japanese, Korean
Power Source	Vehicle OBDII port (no external battery required)

10. WARRANTY AND SUPPORT

BINTA products are manufactured to high-quality standards. For specific warranty information regarding your BINTA OBD2 Scanner V314, please refer to the warranty card included with your purchase or visit the official BINTA website.

If you require technical assistance, have questions about product operation, or need to report a defect, please contact BINTA customer support through the following channels:

- **Online Support:** Visit the BINTA official website for FAQs and support contact forms.
- **Email Support:** Refer to your product packaging or the BINTA website for the customer service email address.

Please have your product model (V314) and purchase details ready when contacting support.