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AUTOOL CS605

AUTOOL CS605 OBD2 Scanner User Manual

Comprehensive Guide for Your AUTOOL CS605 Diagnostic Scan Tool

PRODUCT OVERVIEW

The AUTOOL CS605 OBD2 Scanner is a professional diagnostic tool designed for automotive technicians and DIY enthusiasts. It offers comprehensive vehicle system diagnosis and a range of special service functions to identify and resolve vehicle issues efficiently.



Image: The AUTOOL CS605 diagnostic scanner, showcasing its user interface with options for Diagnose, Special Function, OBDII, Settings, Update, and About.

Key Features:

- **All System Diagnosis:** Capable of diagnosing issues across PCM (Drive System), Chassis System, BCM (Body System), and Electrical System.
- **Five Special Service Resets:** Includes Oil Reset, Electronic Parking Brake (EPB) Reset, Steering Angle Sensor (SAS) Calibration, Anti-lock Braking System (ABS) Bleeding, and Throttle Learn.
- **10 Modes OBDII Function:** Supports full OBDII functions such as Reading Codes, Erasing Codes, Data Stream, I/M Readiness Status, Live Data Stream, Freeze Frame Data, O2 Sensor Test, On-Board Monitor Test, Read Vehicle Information, and Active Test.
- **AUTOVIN Function:** Provides quick and easy vehicle diagnosis by automatically identifying VIN information.
- **Bi-Directional Control / Active Test:** Allows the tool to send commands to vehicle systems to perform specific tests, such as activating fuel pumps or A/C clutches.
- **Multi-Language Support:** Offers a wide range of language options for global usability.

- **Lifetime Free Updates:** Software updates are available free of charge via Wi-Fi or USB connection.

SETUP AND INITIAL USE

Before using your AUTOOL CS605 scanner, ensure your vehicle's ignition is in the ON position (engine off or running, depending on the test). The device is designed for plug-and-play operation.

1. **Locate the OBDII Port:** The OBDII port is typically located under the dashboard on the driver's side, though its exact position may vary by vehicle model.
2. **Connect the Scanner:** Plug the diagnostic cable from the AUTOOL CS605 into the vehicle's OBDII port. Ensure a secure connection.
3. **Power On:** The scanner will automatically power on once connected to the vehicle's OBDII port.
4. **Initial Setup:** Upon first use, you may be prompted to select your preferred language and time zone. Follow the on-screen instructions.
5. **AUTOVIN Function:** The device features an AUTOVIN function that can automatically identify your vehicle's VIN for quick diagnosis. Allow the scanner to perform this function or manually enter VIN if prompted.

OPERATING INSTRUCTIONS

1. All System Diagnosis

This function allows you to scan and diagnose all available electronic control systems in the vehicle, including the Powertrain Control Module (PCM), Chassis System, Body Control Module (BCM), and Electrical System. This comprehensive scan helps identify fault codes and live data from various vehicle components.

ALL DIAGNOSTIC SYSTEMS

All diagnostic systems for PCM (drive system), chassis system, BCM (body system), electrical system.



Image: Visual representation of the four main diagnostic systems covered by the AUTOOL CS605: PCM (Drive System), Chassis System, BCM (Body System), and Electrical System.

- From the main menu, select "Diagnose".
- Choose "Auto Scan" or select a specific system for diagnosis.
- The scanner will communicate with the vehicle's ECUs and display any detected Diagnostic Trouble Codes (DTCs) and live data.

2. 5 Special Service Resets

The CS605 provides access to five commonly used maintenance and reset functions:

5 SPECIAL SERVICE RESETS

5 special service resets for oil reset, EPB reset, SAS calibration, ABS bleeding, and throttle learn.

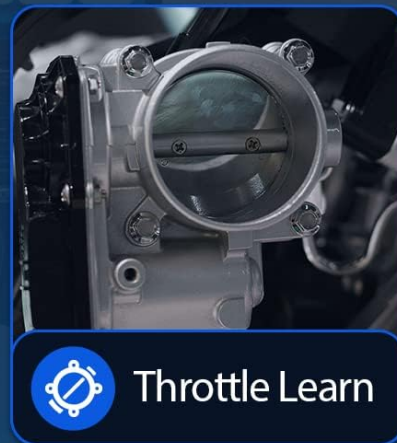
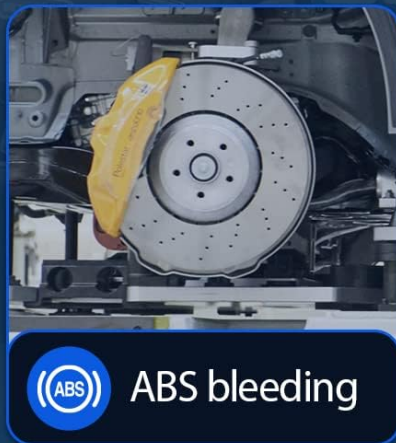


Image: Icons illustrating the five special service resets available: Oil Reset, SAS Calibration, EPB Reset, ABS Bleeding, and Throttle Learn.

- **Oil Reset:** Resets the engine oil life system after an oil change.
- **EPB Reset:** Resets the electronic parking brake system after brake pad replacement.
- **SAS Calibration:** Calibrates the steering angle sensor after steering system repairs or alignment.
- **ABS Bleeding:** Performs bleeding procedures for the Anti-lock Braking System.
- **Throttle Learn:** Relearns the throttle body position after cleaning or replacement.
- To access these functions, select "Special Function" from the main menu and choose the desired reset. Follow the on-screen prompts carefully.

3. 10 Modes OBDII Function

This section covers standard OBDII diagnostic functions, essential for emissions-related checks and basic engine diagnostics.

FULL OBDII MODE FUNCTIONS

Full OBDII mode functions for read codes, clear codes, dynamic graphics, read live data stream, I/M readiness, view freeze frame data, On-board monitor test, O2 sensor test, read vehicle information, and active test.

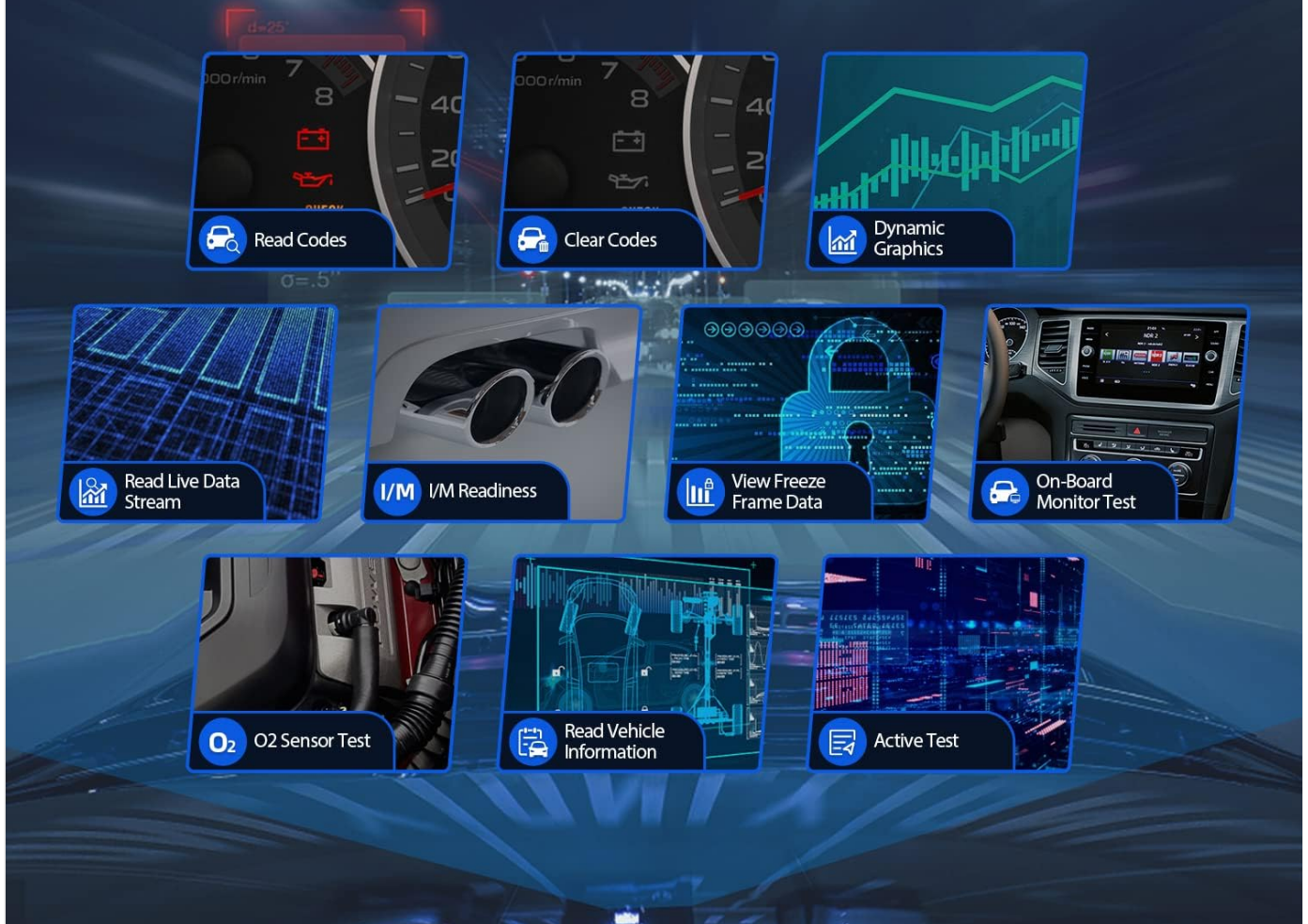


Image: A comprehensive display of the 10 OBDII mode functions, including reading and clearing codes, viewing live data, I/M readiness, and more.

- From the main menu, select "OBDII".
- **Read Codes:** Displays current, pending, and permanent Diagnostic Trouble Codes (DTCs).
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Malfunction Indicator Lamp (MIL).
- **Data Stream:** Shows real-time data from various sensors and components.
- **I/M Readiness Status:** Checks the status of emission-related monitors.
- **View Freeze Frame Data:** Displays a snapshot of vehicle conditions when an emission-related fault code was set.
- **O2 Sensor Test:** Retrieves O2 sensor monitoring test results.
- **On-Board Monitor Test:** Retrieves results for emission-related powertrain components and systems that are not continuously monitored.
- **Read Vehicle Information:** Displays the vehicle's VIN, Calibration ID (CALID), and Calibration Verification Number (CVN).
- **Active Test:** Allows the scanner to control vehicle components for testing purposes.

4. Bi-Directional Control / Active Test

This advanced function allows the diagnostic tool to send commands to the vehicle's Electronic Control Units (ECUs) to activate specific components or perform tests. This is crucial for verifying the functionality of actuators and diagnosing issues that cannot be identified through passive monitoring.



Image: Examples of bi-directional control tests, specifically for the fuel pump and A/C clutch, demonstrating the scanner's ability to command vehicle components.

- From the main menu, navigate to "Diagnose" and then select the specific system or function that supports active tests.
- Common active tests include turning the fuel pump on/off, cycling the A/C clutch, or performing evaporative emissions leak tests.
- Follow the on-screen instructions to perform the desired active test. Observe the component's response to verify its operation.

5. Multi-Language Options and Software Updates

The AUTOOL CS605 supports a wide array of languages for user convenience and offers flexible software update options.



Image: The scanner's interface displaying various language options and an indicator for Wi-Fi connectivity for software updates.

- **Language Selection:** To change the language, go to "Settings" from the main menu and select "Language". Choose from English, Portuguese, Hungarian, Russian, Polish, Dutch, Italian, Spanish, French, German, Turkish, Simplified Chinese, Traditional Chinese.
- **Software Updates:** The device supports lifetime free updates via Wi-Fi or USB.
 - **Wi-Fi Update:** Connect the device to a stable Wi-Fi network via "Settings" > "WLAN". Then, select "Update" from the main menu to check for and install available updates.
 - **USB Update:** Connect the scanner to a computer using the provided USB Type-C cable. Follow instructions on the AUTOOL website for PC-based updates.

MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your AUTOOL CS605 scanner.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents that could damage the screen or casing.
- **Storage:** Store the scanner in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided carrying case for protection when not in use.
- **Cable Care:** Inspect the diagnostic cable regularly for any signs of wear or damage. Do not bend or crimp the cable excessively.
- **Software Updates:** Regularly check for and install software updates to ensure compatibility with the latest vehicle models and to access new features and bug fixes.

TROUBLESHOOTING

If you encounter issues while using your AUTOOL CS605, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	No power from OBDII port; loose connection; vehicle ignition off.	Ensure cable is securely connected. Check vehicle's OBDII port for power (some vehicles require ignition ON). Try on another vehicle if possible.
Communication error with vehicle.	Incorrect protocol; faulty cable; vehicle's ECU issue.	Verify vehicle's ignition is ON. Check cable for damage. Ensure the vehicle supports standard OBDII protocols. Try restarting the scanner and vehicle.
Scanner freezes or responds slowly.	Software glitch; low internal memory.	Restart the device. Perform a software update if available.
Unable to perform a specific reset function.	Vehicle incompatibility; incorrect procedure.	Not all functions are universally compatible with all vehicles. Refer to the vehicle's service manual or contact AUTOOL support with your VIN for compatibility verification. Ensure all pre-conditions for the reset are met.

For issues not covered here, please contact AUTOOL customer support.

PRODUCT SPECIFICATIONS

Specification	Detail
Model Number	CS605
Brand	AUTOOL
Product Dimensions	19 x 29 x 10.5 cm
Item Weight	1.42 kg
Operating System	Android 4.0
Display Resolution	1600*1200

Specification	Detail
Communication Interface	USB / RJ45 / WLAN

WARRANTY AND SUPPORT

AUTOOL is committed to providing high-quality products and customer satisfaction.

- **Lifetime Free Updates:** The AUTOOL CS605 comes with lifetime free software updates, ensuring your device remains compatible with new vehicle models and features. Regularly check for updates via Wi-Fi or USB.
- **Customer Support:** For technical assistance, troubleshooting, or compatibility inquiries, please contact AUTOOL customer support. When contacting support, please have your product model (CS605) and vehicle VIN (if applicable) ready.
- **Compatibility Note:** As stated in the product features, service functions and special functions are not universally compatible with all vehicles. It is recommended to send your vehicle's VIN to AUTOOL support to check compatibility for specific functions before purchase or use.