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› MUCAR OBD2 Scanner CS99 User Manual

mucar MUCAR CS99

MUCAR CS99 OBD2 Scanner User Manual

Model: MUCAR CS99

1. INTRODUCTION

The MUCAR CS99 OBD2 Scanner is an advanced diagnostic tool designed for automotive enthusiasts, home mechanics, and professional technicians. It offers OE-level full system diagnostics, 5 essential reset services, full OBDII functions, and features like Auto VIN and lifetime free updates. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device.



Image 1.1: The MUCAR CS99 OBD2 Scanner, shown with its retail packaging.

2. PRODUCT OVERVIEW AND FEATURES

The MUCAR CS99 is equipped with a 5-inch touchscreen display and runs on an Android 7.0 system. It features a 1.8GHz quad-core processor and 16GB memory (expandable to 128GB via TF card). Key features include:

- **OE-Level Full System Diagnostics:** Access and scan all available vehicle systems.
- **5 Hot Maintenance Services:** Oil Reset, EPB Brake Reset, Steering Angle Calibration (SAS), Throttle Adaptation (ETS), and DPF Regeneration.
- **Full OBDII Test Modes:** Comprehensive OBDII functions including Read Codes, Clear Codes, Live Data, Freeze Frame, I/M Readiness, O2 Sensor Test, On-board Monitor Test, EVAP System Test, DTC Library Lookup, and Vehicle Information.
- **Battery Monitoring:** Real-time monitoring of battery parameters.
- **Auto VIN Scan:** Automatic vehicle identification for quick diagnosis.
- **Lifetime Free Updates:** One-click software updates via Wi-Fi.
- **Multi-language Support:** Supports 13 languages including English, French, German, Italian, Spanish, Portuguese, Japanese, Russian, Polish, Hungarian, Arabic, Greek, and Slovak.



Image 2.1: Overview of the MUCAR CS99's advanced features and design.

3. SETUP

3.1 Initial Power-Up

1. Connect the scanner to your vehicle's OBDII port. The device will power on automatically.
2. Follow the on-screen prompts to select your preferred language.
3. Connect the device to a Wi-Fi network for updates and online resources. Go to **Settings > Wi-Fi** and select your network.

3.2 Software Updates

It is recommended to update the software regularly to ensure optimal performance and access to the latest vehicle models and functions.

1. Ensure the device is connected to Wi-Fi.
2. From the main menu, tap on the **Update** icon.
3. Select the available updates and tap to install. The device will restart after the update is complete.

4. OPERATING INSTRUCTIONS

4.1 Vehicle Connection and Auto VIN

1. Locate your vehicle's 16-pin OBDII port (usually under the dashboard).
2. Plug the MUCAR CS99 connector into the OBDII port.
3. Turn the vehicle's ignition to the ON position (engine off or running).
4. The device will automatically attempt to read the Vehicle Identification Number (VIN) and identify the vehicle. If Auto VIN fails, you can manually input the VIN or select the vehicle make/model.



Image 4.1: The MUCAR CS99 displaying various diagnostic screens, including Auto VIN scan.

4.2 OE-Level Full System Diagnostics

This function allows you to access and diagnose all available electronic control units (ECUs) in your vehicle.

1. From the main menu, tap the **Scan** or **Diagnostic** icon.
2. Select the vehicle brand (if not automatically detected).
3. Choose **System Scan** to perform a comprehensive scan of all systems (e.g., Engine, Transmission, ABS, SRS, Air Conditioning, EPB, TPMS, etc.).
4. The scanner will display Diagnostic Trouble Codes (DTCs) and live data streams for each system.
5. You can read DTC definitions, clear codes, and view live data in text or graph format.



Image 4.2: The MUCAR CS99's capability to perform full system diagnosis across various vehicle modules.

4.3 5 Reset Services

The CS99 provides access to 5 commonly used maintenance reset functions:

- **Oil Reset:** Resets the engine oil life system after an oil change.
- **EPB Brake Reset:** Deactivates and activates the brake control system for brake pad replacement.
- **Steering Angle Sensor (SAS) Reset:** Calibrates the steering angle sensor after replacement or repair.
- **Throttle Adaptation (ETS):** Initializes the throttle actuators to their default state after cleaning or replacement.
- **DPF Regeneration:** Manages the Diesel Particulate Filter system, including regeneration and component replacement learning.

1. From the main menu, tap the **Maintenance** icon.
2. Select the desired reset service from the list.
3. Follow the on-screen instructions to complete the procedure.

5 Most Commonly Used Services Functions

Effectively solve your problems

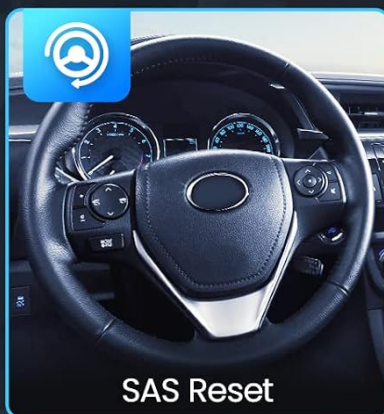
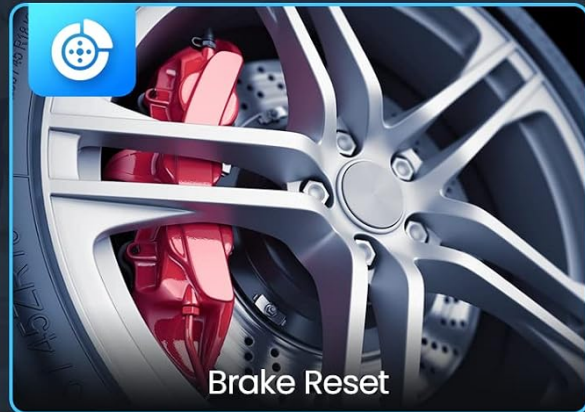


Image 4.3: Visual representation of the five key reset services offered by the MUCAR CS99.

4.4 Full OBDII Functions

The CS99 supports all 10 modes of OBDII testing for emissions-related diagnostics.

- **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) and their descriptions.
- **Clear Codes:** Erases DTCs and turns off the Malfunction Indicator Lamp (MIL).
- **Live Data:** Shows real-time data stream from the vehicle's sensors and components.
- **Freeze Frame:** Captures a snapshot of vehicle operating conditions at the time a fault code was set.
- **I/M Readiness:** Checks the readiness of emission-related monitors.
- **O2 Sensor Test:** Retrieves O2 sensor monitoring test results.
- **On-board Monitor Test:** Retrieves results for emission-related powertrain components and systems.
- **EVAP System Test:** Initiates a test of the evaporative emission system.
- **DTC Library Lookup:** Provides definitions for generic and manufacturer-specific codes.
- **Vehicle Information:** Displays VIN, CID, and CVN.

1. From the main menu, tap the **OBD** icon.

2. Select the desired OBDII function.
3. Follow the on-screen instructions to perform the test or view data.



Image 4.4: The MUCAR CS99's comprehensive suite of OBDII diagnostic functions.

4.5 Diagnostic Report and Data Management

The device can generate diagnostic reports and manage recorded data.

1. After a diagnostic session, a report can be generated and saved.
2. Access saved reports and recorded data via the **File** or **History** icon on the main menu.
3. Reports can be printed or shared via email (requires Wi-Fi connection and email setup).

5. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a dry, cool environment away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates to ensure optimal performance and

compatibility.

- **Cable Care:** Inspect the OBDII cable for any damage before each use. Do not bend or crimp the cable excessively.

6. TROUBLESHOOTING

6.1 Device Does Not Power On

- Ensure the OBDII cable is securely connected to the vehicle's OBDII port.
- Verify the vehicle's ignition is in the ON position.
- Check the vehicle's battery voltage.

6.2 Communication Error with Vehicle

- Confirm the vehicle supports the OBDII protocol (most vehicles after 1996 do).
- Check for loose connections at both the scanner and the vehicle's OBDII port.
- Ensure the vehicle's ignition is ON.
- Try another OBDII compliant vehicle to rule out scanner malfunction.

6.3 Screen Freezes or Responds Slowly

- Restart the device by disconnecting and reconnecting it from the vehicle.
- Ensure sufficient memory is available; clear unnecessary files if needed.
- Perform a software update to resolve potential bugs.

7. SPECIFICATIONS

Feature	Specification
Model Number	MUCAR CS99
Operating System	Android 7.0
Processor	1.8GHz Quad-Core
Memory	16GB (expandable to 128GB via TF card)
Screen Size	5 Inches
Connectivity	Wi-Fi (2.4Ghz & 5Ghz), Bluetooth
Power Source	Battery Powered (via OBDII port)
Supported Protocols	KWP2000, ISO9141, J1850 VPW, J1850 PWM, CAN
Vehicle Coverage	10,000+ vehicles after 1996 (American, European, Asian, etc.)
Item Weight	1.18 kg
Parcel Dimensions	27 x 21.4 x 7.7 cm

94+ CAR BRANDS

Give away one vehicle brand software



 USA	Ford	Ford , Lincoln , Mercury
	GM	Chevrolet , GMC , Cadillac , Buick , Saturn , Pontiac
	Chrysler	Chrysler , Dodge , Jeep , Ram , Plymouth
 EUPOPE	Mercedes	Mercedes , Smart , Maybach
	BMW	BMW , Mini
	Volkswagen	VW , Audi , Lamborghini , Bentley
 ASIA	Toyota	Toyota , Lexus , Scion
	Nissan	Nissan , Infiniti , Renault
	Hyundai	Hyundai Kia
	Honda	Honda Acura
13+ Language		
		
Japanese	English	French
		
Russian	German	Italian
		
Polish	Spanish	Portuguese
		
Hungarian	Greek	Slovak
		
Arabic		

Image 7.1: The MUCAR CS99 supports a wide range of car brands and multiple languages.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Please refer to the warranty card included with your product for specific warranty terms and conditions. MUCAR provides lifetime free software updates for the CS99 scanner.

8.2 Technical Support

For technical assistance, operating skills, DTC help, or automotive technical manuals, please utilize the online maintenance resources available through the device or MUCAR's official support channels. The device also supports Remote Assistance, allowing MUCAR's technical engineers to provide remote support.

Note: No official product videos were available for embedding based on the provided data.

