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› MUCAR CDE900 and CDL20 Car Code Reader User Manual

MUCAR CDE900, CDL20

MUCAR CDE900 and CDL20 Car Code Reader User Manual

1. INTRODUCTION

This manual provides detailed instructions for the MUCAR CDE900 and MUCAR CDL20 Car Code Readers. It covers product overview, setup, operation, maintenance, troubleshooting, and technical specifications. Please read this manual thoroughly before operating the devices to ensure correct usage and optimal performance.

2. PRODUCT OVERVIEW

2.1 MUCAR CDE900 Car Code Reader

The MUCAR CDE900 is a full OBDII diagnostic scan tool featuring a 4-inch touchscreen and running on Android 6.0. It provides comprehensive diagnostic functions for various vehicle systems.



Image 2.1: MUCAR CDE900 (left) and MUCAR CDL20 (right) Car Code Readers. The CDE900 features a larger screen and more advanced interface.

Key Features of CDE900:

- Full OBDII Diagnostic Functions
- 4-inch Touchscreen Display
- Android 6.0 Operating System
- WiFi Update Capability
- Supports ECM, TCM, ABS, SRS diagnostics

2.2 MUCAR CDL20 Universal OBD2 Scanner

The MUCAR CDL20 is a universal OBD2 scanner designed for essential diagnostic functions, providing quick access to vehicle information and trouble codes.

Full OBD2 Diagnostic Functions



Image 2.2: MUCAR CDL20 OBD2 Scanner showing its main diagnostic menu with options like Read Codes, Erase Codes, I/M Readiness, and Data Stream.

Key Features of CDL20:

- Universal OBD2 Scanner
- Read and Clear Diagnostic Trouble Codes (DTCs)
- View Freeze Frame Data
- Display Live Data Stream
- I/M Readiness Monitor Status

- O2 Sensor Test, On-Board Monitoring Test, EVAP System Test
- Retrieve Vehicle Information (VIN, CIN, CVN)

3. SETUP

3.1 Initial Setup

1. **Unpack:** Carefully remove the device from its packaging.
2. **Inspect:** Check for any physical damage. If damage is found, contact customer support.
3. **Power On (CDE900 only):** The CDE900 may require an initial charge or will power on automatically when connected to the vehicle's OBDII port.

3.2 Connecting to Vehicle

1. **Locate OBDII Port:** The OBDII port is typically located under the dashboard on the driver's side, often near the steering column. Refer to your vehicle's owner's manual for the exact location.
2. **Turn Off Ignition:** Ensure the vehicle's ignition is in the OFF position.
3. **Connect Device:** Plug the device's OBDII connector firmly into the vehicle's OBDII port.
4. **Turn On Ignition:** Turn the vehicle's ignition to the ON position (engine off). The device should power on automatically.

4. OPERATING INSTRUCTIONS

4.1 General Navigation

- **MUCAR CDE900:** Navigate using the touchscreen interface. Tap on icons or menu items to select. Swipe to scroll through lists.
- **MUCAR CDL20:** Use the UP/DOWN arrow buttons to scroll through menu options. Press the 'OK' button to confirm a selection. Use the 'Return' button to go back to the previous screen.

4.2 Diagnostic Functions

1. **Read Codes:** Select 'Read Codes' from the main menu to display current, pending, and permanent Diagnostic Trouble Codes (DTCs).
2. **Clear Codes:** After addressing the issue, select 'Clear Codes' to erase DTCs from the vehicle's computer.
Warning: Clearing codes will also clear readiness monitor status.
3. **Live Data:** View real-time operational parameters of the vehicle. This can include engine RPM, vehicle speed, oxygen sensor readings, and more. The CDE900 may offer graphical display options.
4. **I/M Readiness:** Check the status of the vehicle's emission-related monitors to determine if the vehicle is ready for an emissions test.
5. **Freeze Frame:** When an emission-related fault occurs, the vehicle's computer records certain operating conditions. 'Freeze Frame' displays this snapshot data.
6. **DTC Lookup:** (CDL20 shown below) Allows you to manually input a DTC and view its description.

More Professional Diagnostic Scanner

DTC Lookup

Please input DTC:

P0006

[▼]-change input,
[▲]-select position,
[OK]-confirm.

▲ ▼ OK ↩

Vehicle Information

VIN:

123456789ABCDEFGH

▲ ▼ OK ↩

I/M Readiness

Misfire monitor	OK
Fucl systcm	OK
Fucl System	OK
Comp.component	OK
Catalyst monitor	OK

1/4



Image 4.1: MUCAR CDL20 displaying various diagnostic screens, including DTC Lookup (top), Vehicle Information (middle), and I/M Readiness (bottom).

4.3 CDE900 Specific Functions

- **System Diagnostics:** Access specific diagnostic functions for ECM (Engine Control Module), TCM (Transmission Control Module), ABS (Anti-lock Braking System), and SRS (Supplemental Restraint System).
- **WiFi Update:** Connect the CDE900 to a Wi-Fi network to download and install software updates, ensuring the device has the latest vehicle coverage and features.

5. MAINTENANCE

5.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is disconnected from the vehicle and powered off before cleaning.

5.2 Software Updates (CDE900)

Regularly check for software updates via the Wi-Fi connection on your MUCAR CDE900. Updates provide improved vehicle compatibility and new features. Follow the on-screen prompts for installation.

5.3 Storage

Store the device in a clean, dry environment away from extreme temperatures, direct sunlight, and corrosive materials. Keep the OBDII cable free from kinks or damage.

6. TROUBLESHOOTING

6.1 Device Does Not Power On

- Ensure the OBDII connector is securely plugged into the vehicle's port.
- Verify the vehicle's ignition is in the ON position (engine off).
- Check the vehicle's fuse for the OBDII port (usually labeled 'Cigar' or 'Accessory').
- For CDE900, ensure the internal battery has sufficient charge if operating without vehicle power.

6.2 Communication Error with Vehicle

- Confirm the vehicle supports the OBDII protocol (most vehicles manufactured after 1996 in the US, 2001 in EU, and 2008 in Asia).
- Check for a loose connection at the OBDII port.
- Turn off the ignition, disconnect the device, wait 10 seconds, then reconnect and try again.
- Ensure the vehicle's battery voltage is stable. Low battery voltage can interfere with communication.

6.3 Screen Freezes or Device is Unresponsive

- Disconnect the device from the vehicle.
- For CDE900, press and hold the power button to force a shutdown, then restart.
- For CDL20, simply disconnect and reconnect.
- If the issue persists, contact customer support.

7. SPECIFICATIONS

Feature	MUCAR CDE900	MUCAR CDL20
Brand	MUCAR	MUCAR
Display	4-inch Touchscreen	LCD Display

Feature	MUCAR CDE900	MUCAR CDL20
Operating System	Android 6.0	Proprietary
Connectivity	OBDII, Wi-Fi	OBDII
Diagnostic Functions	Full OBDII, ECM, TCM, ABS, SRS	Universal OBD2
Updates	Online via Wi-Fi	N/A
ASIN	B0DT6FMLHM (for the bundle)	B0DT6FMLHM (for the bundle)
Date First Available	January 16, 2025	January 16, 2025

8. WARRANTY AND SUPPORT

8.1 Warranty Information

MUCAR products typically come with a limited warranty covering manufacturing defects. Please refer to the warranty card included with your product or visit the official MUCAR website for specific warranty terms and conditions.

8.2 Customer Support

If you encounter any issues or have questions regarding the MUCAR CDE900 or CDL20, please contact MUCAR customer support. Contact information can usually be found on the official MUCAR website or in the product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question