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GZLMMY KW470

GZLMMY KW470 OBDII Code Reader & Battery Tester & Full System Diagnostic Scanner User Manual

Introduction

This manual provides comprehensive instructions for the GZLMMY KW470, a multi-functional diagnostic tool designed for automotive use. It combines an OBDII code reader, a full system diagnostic scanner for Ford vehicles, and a battery tester for cars, motorcycles, trucks, and boats. Please read this manual thoroughly before operating the device to ensure correct usage and to maximize its functionality.

Product Overview

Key Features

- Full system diagnostic scanner for Ford vehicles (90+ types).
- Universal OBDII code reader for engine systems (vehicles manufactured after 1996).
- Battery health tester for 12V car, motorcycle, truck, and boat batteries.
- Supports multiple reset functions: Oil Reset, EPB Replacement, KEYFOB programming, Battery Match, ABS, SRS, SAS, Brake Pad Replacement, Lamp Adjust, Injector Coding, Suspension, TPS Replacement Reset, DPF Regeneration.
- Multi-language support.

Package Contents

- 1x KW470 All System OBDII Scanner
- 1x OBDII Cable
- 1x Battery Tester Clamp Clip Cable
- 1x USB Cable
- 1x Storage Bag
- 1x User Manual (this document)

Device Layout




KW470
Main Menu
OBDII
Car BAT
Oil Reset
No fault code
Pending fault code
Permanent fault code
ESC
I/M
?
OK
OBDII + EOBD

An image showing the front of the KW470 device with its screen displaying the main menu, control buttons (ESC, I/M, OK, arrow keys), and the attached OBDII connector and battery clamp cables.

Setup

Powering the Device

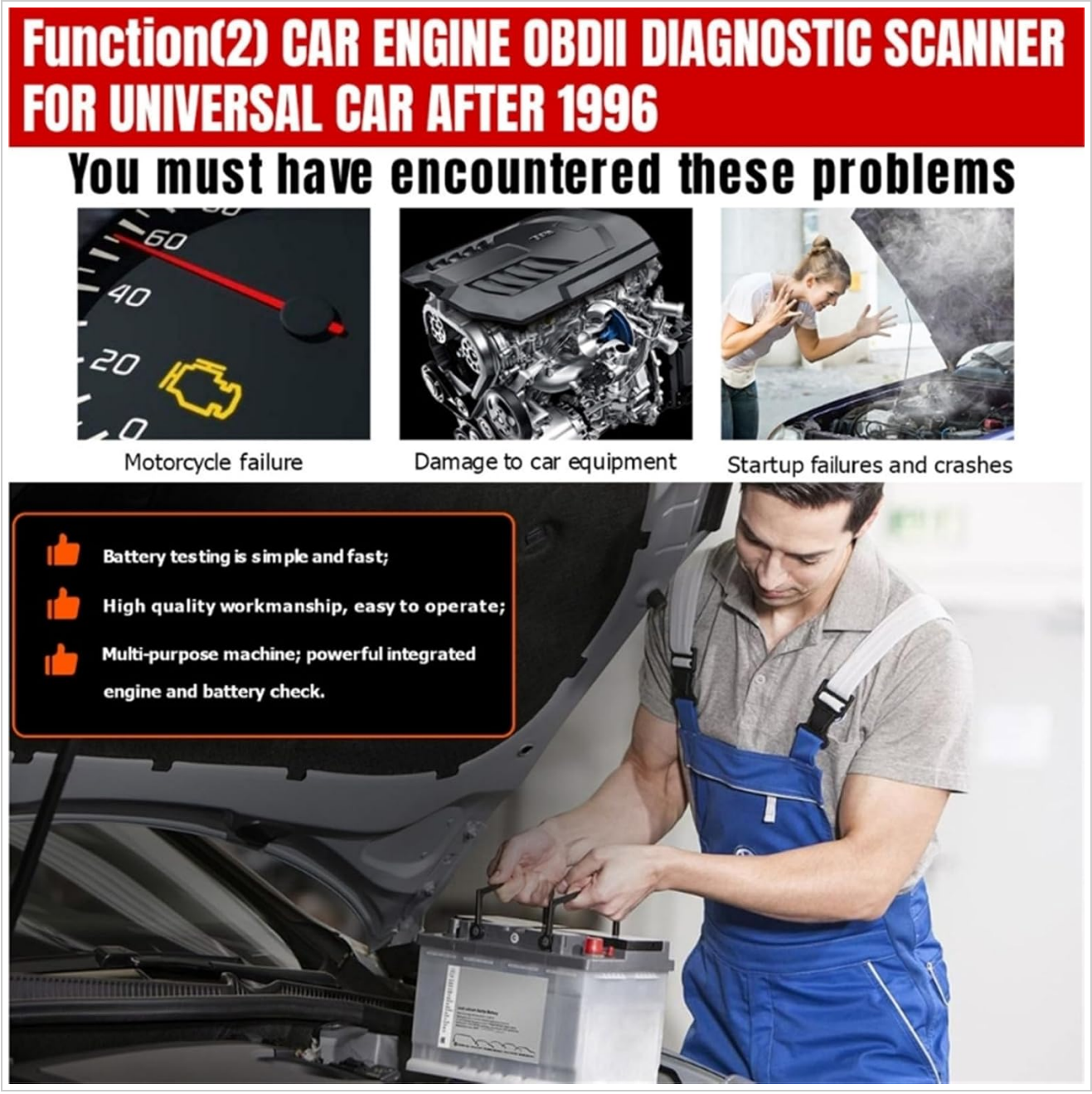
The KW470 is typically powered directly from the vehicle's OBDII port when connected, or via the battery clamp cable when performing battery tests. No external power source is usually required during operation.

Connecting to a Vehicle (OBDII)

1. Locate the vehicle's 16-pin Data Link Connector (DLC), usually under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is off.
3. Connect the KW470's OBDII cable to the vehicle's DLC.
4. Turn the vehicle's ignition to the ON position (engine off). The device should power on automatically.

Connecting for Battery Test

1. Ensure the vehicle's ignition is off and all accessories are turned off.
2. Connect the red clamp of the battery tester cable to the positive (+) terminal of the battery.
3. Connect the black clamp of the battery tester cable to the negative (-) terminal of the battery.
4. The device should power on.



An image illustrating the KW470 device with its red and black clamps connected to a car battery terminals, ready for a battery health test.

Operating Instructions

Navigation

Use the **UP** and **DOWN** arrow buttons to scroll through menu options. Press the **OK** button to confirm a selection. Use the **ESC** button to return to the previous screen. The **I/M** button provides quick access to I/M Readiness status.

Language Selection

From the main menu, navigate to the "Language" setting to select your preferred language. The device supports English, French, German, Italian, Spanish, Russian, and Polish.



An image displaying the KW470 device with its screen showing a list of available languages, including English, French, German, Italian, Spanish, Russian, and Polish.

Universal OBDII Engine Diagnostics

This function allows you to access engine-related diagnostic information for most vehicles manufactured after 1996.

1. Connect the KW470 to the vehicle's OBDII port.
2. Select "OBDII" from the main menu.
3. Choose from the following options:
    - **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) stored in the vehicle's computer.
    - **Erase Codes:** Clears DTCs and turns off the Check Engine Light (MIL). Ensure all issues are resolved before clearing codes.
    - **I/M Readiness:** Checks the status of emission-related monitors.
    - **Data Stream:** Displays live data parameters from the vehicle's sensors.
    - **Freeze Frame:** Shows a snapshot of sensor data when an emission-related fault occurred.
    - **O2 Sensor Test:** Retrieves O2 sensor monitoring test results.
    - **On-Board Monitoring:** Retrieves test results for emission-related powertrain components and systems.

- **EVAP System Test:** Initiates a test of the Evaporative Emission Control System.
- **Vehicle Information:** Displays vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).
- **DTC Lookup:** Provides definitions for generic and manufacturer-specific DTCs.



An image illustrating the KW470 device with its screen displaying a list of OBDII diagnostic functions such as Read Codes, Erase Codes, I/M Readiness, and Data Stream.

Battery Health Test

The KW470 can perform comprehensive tests on 12V automotive batteries, including health, cranking, and charging system tests.

1. Connect the battery clamp cable to the vehicle battery.
2. Select "Car BAT" from the main menu.
3. Choose the desired test:
    - **Battery Test:** Assesses the overall health and charge level of the battery.

- **Cranking Test:** Measures the battery's ability to start the engine.
- **Charging Test:** Evaluates the vehicle's charging system (alternator, regulator).
- **Battery Waveform:** Displays the battery voltage waveform.
- **Print:** Allows printing of test results (requires connection to a computer with appropriate software).

4. Follow on-screen prompts to input battery type (e.g., Regular Flooded, AGM Flat Plate, GEL) and Cold Cranking Amps (CCA) if required.



An image showing the KW470 device screen displaying options for selecting battery types such as Regular Flooded, AGM Flat Plate, AGM Spiral, GEL, EFB, and LITHIUM.

Ford Full System Diagnostics & Special Functions

The KW470 offers advanced diagnostic capabilities and reset functions specifically for Ford vehicles.

1. Connect the KW470 to the vehicle's OBDII port.
2. Select the Ford-specific diagnostic option from the main menu.
3. Follow on-screen instructions to identify the vehicle.
4. Available functions include:

- **ABS (Anti-lock Braking System) Diagnostics:** Read and clear codes related to the ABS system.

- **SRS (Supplemental Restraint System) Diagnostics:** Read and clear codes related to airbags and seatbelts.
- **SAS (Steering Angle Sensor) Calibration:** Calibrates the steering angle sensor after replacement or repair.
- **Oil Reset:** Resets the engine oil life system after an oil change.
- **EPB (Electronic Parking Brake) Replacement:** Retracts and engages the electronic parking brake calipers for brake pad replacement and resets the system.
- **KEYFOB Programming:** Used for programming new key fobs to the vehicle.
- **Battery Match:** Registers a new battery with the vehicle's battery monitoring system.
- **Lamp Adjust:** Adjusts various lighting parameters.
- **Injector Coding:** Programs new injector codes into the engine control unit.
- **Suspension:** Performs diagnostics or adjustments related to the vehicle's suspension system.
- **TPS (Throttle Position Sensor) Replacement Reset:** Resets the throttle position sensor after replacement.
- **DPF (Diesel Particulate Filter) Regeneration:** Initiates forced regeneration of the DPF.



An image showing the KW470 screen with icons representing various Ford diagnostic functions such as ABS, EPB Replacement,

SAS, SRS, Erase Codes, Read Codes, Brake Pad Replacement, Battery Match, KEYFOB, and OBDII.



Another image showing the KW470 screen with icons for Oil Service Reset, TPS Replacement Reset, EPB, Battery Matching, DPF, SAS, Injector Coding, Suspension, and Lamp Adjust.

Maintenance

To ensure the longevity and proper functioning of your KW470 device, follow these maintenance guidelines:

- Keep the device clean and free from dust, dirt, and grease. Use a soft, damp cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Store the device in its provided storage bag when not in use to protect it from damage.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel if issues arise.
- Regularly check the cables for any signs of wear or damage. Replace damaged cables immediately.

Troubleshooting

If you encounter issues while using the KW470, please refer to the following common troubleshooting steps:

- **Device does not power on:**
  - Ensure the OBDII cable or battery clamp cable is securely connected.
  - Verify the vehicle's ignition is in the ON position (for OBDII connection).
  - Check the vehicle's battery voltage (for battery clamp connection).
- **Communication error with vehicle:**
  - Confirm the vehicle supports the OBDII protocol (most vehicles after 1996).
  - Check for loose connections of the OBDII cable.
  - Ensure the vehicle's ignition is ON.
  - Try the device on another compatible vehicle to rule out a device fault.
- **Screen is blank or frozen:**
  - Disconnect the device from the vehicle and reconnect it.
  - If the issue persists, contact customer support.
- **Incorrect readings during battery test:**
  - Ensure battery clamps are securely attached to the correct terminals.
  - Verify the battery type and CCA values entered are accurate.
  - Clean battery terminals if corroded.

For further assistance, please contact GZLMMY customer support.

Specifications

Feature	Specification
Model	KW470
Item Name	All System OBDII Scanner
Screen	2.8-inch Color Screen
Dimensions (L x W x H)	20cm x 10cm x 3.5cm (7.87" x 3.94" x 1.38")
Item Weight	1.65 pounds
Power Source	Vehicle OBDII Port / 12V Battery
Battery Detection Range	8V - 16V
Supported Languages	English, French, German, Italian, Spanish, Russian, Polish
Supported Protocols	OBDII / EOBD
Manufacturer	China
UPC	799748217985



Product model	KW470
Item name	Ford Full System Diagnostic Tool Universal Car OBDII Code Reader
Screen	2.8 inches colorful screen
Language	English German French Russian Spanish Italian Polish

A diagram illustrating the length, width, and thickness of the KW470 device, with measurements provided in both centimeters and inches.

Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase.

For general inquiries or troubleshooting not covered in this manual, please visit the GZLMMY official website or contact their customer service department.

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

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