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› OEMTOOLS 24359 Digital Car Battery Tester Instruction Manual

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Model: 24359

PRODUCT OVERVIEW

The OEMTOOLS 24359 Digital Battery Analyzer is a versatile diagnostic tool designed for quickly testing 12V batteries, charging systems, and starters. It is suitable for a wide range of vehicles including cars, motorcycles, boats, ATVs, and lawn equipment. This analyzer provides reliable results in seconds, helping users assess battery health, detect weak starters, and verify alternator output.



Image: The OEMTOOLS 24359 Digital Car Battery Tester, showing the main unit with its display and control buttons, connected to red and black alligator clamps via a cable.

- **Fast, Clear Diagnostics:** Obtain accurate battery, starter, and charging system results quickly.
- **Broad CCA Coverage:** Supports batteries from 200 to 1200 CCA, compatible with various vehicle types.
- **Backlit LCD Display:** Easy-to-read screen for voltage (1.5–15VDC), available CCA, and test status, even in low-light conditions.
- **Starter & Charging Tests:** Capable of verifying starter draw and alternator output to diagnose system failures.
- **Standardized Results:** Compliant with SAE, DIN, EN, IEC, and CA standards for trusted data.

SETUP AND CONNECTION

Before using the OEMTOOLS 24359 Digital Battery Tester, ensure the battery terminals are clean and free of corrosion. The unit draws power directly from the battery being tested.

1. **Prepare the Battery:** Ensure the vehicle's ignition is off and all accessories are turned off. Clean the battery terminals if necessary to ensure a good connection.
2. **Connect the Clamps:**
 - Connect the **RED** positive (+) clamp to the positive battery terminal.
 - Connect the **BLACK** negative (-) clamp to the negative battery terminal.



INSULATED ALLIGATOR CLAMPS FOR SAFE AND EASY USE

Image: Close-up view of the insulated red and black alligator clamps, designed for safe and easy connection to battery terminals.

Ensure the clamps are securely attached to prevent false readings or disconnections during testing. The tester will power on automatically once connected.



Image: The OEMTOOLS 24359 Digital Battery Tester connected to a car battery within an engine bay, demonstrating proper setup for testing.

OPERATING INSTRUCTIONS

The OEMTOOLS 24359 features an easy-to-navigate interface with a backlit LCD for clear readings.

**EASY-TO-NAVIGATE
INTERFACE**

**BACKLIT LCD
FOR LOW LIGHT
SITUATIONS**



Image: A close-up of the OEMTOOLS 24359 Digital Battery Tester's backlit LCD screen and control buttons (up, down, enter), highlighting its user-friendly interface.

1. Battery Test

This test assesses the overall health and charge level of the battery.

1. Once connected, the tester will display the current battery voltage.
2. Use the **UP** and **DOWN** arrow buttons to navigate to the "Battery Test" option.
3. Press the **ENTER** button to start the test.
4. Follow any on-screen prompts, such as selecting the battery type (e.g., Regular Liquid, AGM, Gel) and the rating standard (e.g., SAE, DIN, EN, IEC, CA).
5. Enter the battery's rated CCA (Cold Cranking Amps) if prompted.
6. The tester will display results such as battery voltage, CCA value, and a status (e.g., "Good Pass", "Recharge", "Replace Battery").

2. Cranking Test (Starter Test)

This test evaluates the starter motor's performance and the battery's ability to deliver current during engine cranking.

1. From the main menu, navigate to the "Cranking Test" or "Starter Test" option.
2. Press **ENTER**.
3. The display will prompt you to start the engine. Ensure the vehicle is in park/neutral with the parking brake engaged.
4. Crank the engine for a few seconds (do not start if possible, or allow it to start briefly).
5. The tester will analyze the voltage drop during cranking and display results such as "Cranking Volts" and a status (e.g., "Normal", "Low Voltage").

3. Charging System Test (Alternator Test)

This test checks the alternator's output and the overall charging system's efficiency.

1. From the main menu, navigate to the "Charging Test" or "Alternator Test" option.
2. Press **ENTER**.
3. The tester will prompt you to start the engine and let it idle.
4. Follow on-screen instructions, which may include turning on various electrical loads (e.g., headlights, fan, defroster) to simulate real-world conditions.
5. The tester will display results such as "Alt. Idle Volts" and "Alt. Load Volts", indicating the alternator's performance under different conditions. A status (e.g., "Normal", "Low Output", "High Output") will also be provided.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your OEMTOOLS 24359 Digital Battery Tester.

- **Cleaning:** Wipe the unit and clamps with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents. Ensure no moisture enters the device.
- **Storage:** Store the tester in a clean, dry place away from extreme temperatures and direct sunlight. Keep the clamps clean and free of debris.
- **Cable Care:** Avoid sharp bends or kinks in the cable. Do not pull the unit by the cable.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tester does not power on.	Poor connection to battery terminals; Battery voltage too low (below 1.5VDC).	Ensure clamps are securely and correctly connected to the positive and negative battery terminals. Clean terminals if corroded. If battery is completely dead, it may not provide enough power to the tester.
Inaccurate or inconsistent readings.	Loose connections; Corroded battery terminals; Incorrect battery type/standard selected.	Re-seat the clamps firmly on the battery terminals. Clean any corrosion from the terminals. Verify that the correct battery type and testing standard are selected in the tester's menu.
"No CCA" option or unexpected standard.	Tester uses SAE as the primary CCA measurement standard.	The tester uses SAE as its primary Cold Cranking Amps (CCA) measurement. SAE is a widely accepted standard for CCA. Compare results with other testers using the SAE standard for consistency.

Problem	Possible Cause	Solution
Tester freezes or becomes unresponsive.	Temporary software glitch; Extreme operating conditions.	Disconnect the tester from the battery for a few seconds, then reconnect it to reset the device. Ensure operation within specified temperature ranges (14°F to 122°F).

SPECIFICATIONS

Feature	Detail
Model	24359
Brand	OEMTOOLS
Power Source	Battery Powered (draws power from battery under test)
Style	Digital
Color	Green
Item Weight	0.01 Ounces (approx. 0.28 grams)
Dimensions (L x W x H)	8.1 x 6.1 x 1.2 inches
Lower Temperature Rating	14 Degrees Fahrenheit (-10°C)
Upper Temperature Rating	122 Degrees Fahrenheit (50°C)
Minimum Operating Voltage	1.5 Volts DC (for display), 7 Volts DC (for full testing)
Measurement Type	Voltmeter, Ohmmeter (for internal resistance calculation)
CCA Range	200-1200 CCA
Supported Standards	SAE, DIN, EN, IEC, CA, JIS

WARRANTY AND SUPPORT

For specific warranty information regarding your OEMTOOLS 24359 Digital Car Battery Tester, please refer to the warranty card included with your product or visit the official OEMTOOLS website. Warranty terms and conditions may vary.

If you require technical assistance, have questions about product operation, or need to inquire about repairs, please contact OEMTOOLS customer support directly. Contact information can typically be found on the product packaging or the official OEMTOOLS website.

You can also visit the [OEMTOOLS Store on Amazon](#) for more product information and resources.

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