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› OEMTOOLS 24367 12V Battery and Alternator Tester User Manual

OEMTOOLS 24367

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1. INTRODUCTION

The OEMTOOLS 24367 12V Battery and Alternator Tester is designed for quick and easy assessment of 12-volt automotive batteries and charging systems. This portable device provides clear indications of battery and alternator condition through LED lights, making it suitable for use on various vehicles including cars, trucks, RVs, and golf carts.



Figure 1: OEMTOOLS 24367 12V Battery Tester

2. SAFETY INFORMATION

- Always wear appropriate eye protection when working with vehicle batteries.
- Ensure the vehicle is in a well-ventilated area.
- Avoid contact with battery acid. If contact occurs, flush immediately with water and seek medical attention.

- Do not use the tester on batteries or systems exceeding 15V DC.
- Ensure connections are secure to prevent sparks.

3. PRODUCT COMPONENTS

The OEMTOOLS 24367 12V Battery Tester includes the following components:

- 12V Battery Tester Unit with LED Indicators
- Positive Battery Probe (Red)
- Negative Battery Clamp (Black)
- Integrated Lead Set

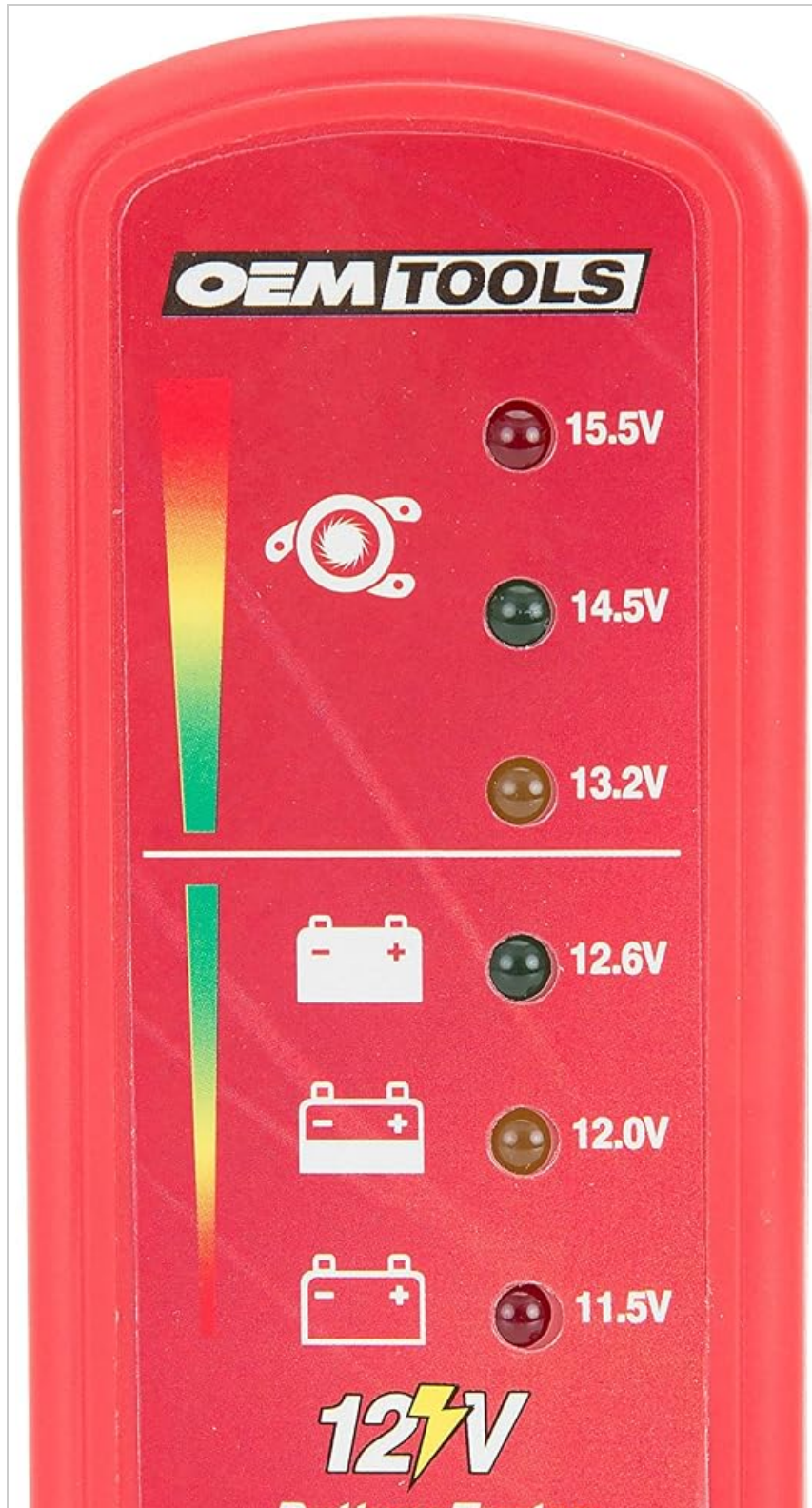




Figure 2: Positive Probe and Negative Clamp

4. SETUP

No extensive setup is required for this device. Ensure the battery terminals are clean and free of corrosion for accurate readings.

5. OPERATING INSTRUCTIONS

5.1. Testing Battery Condition

1. Ensure the vehicle's ignition is off and all accessories are disconnected.
2. Connect the **red positive probe** to the positive (+) terminal of the 12V battery.
3. Connect the **black negative clamp** to the negative (-) terminal of the 12V battery.
4. Observe the LED indicators on the tester. The lights will illuminate to show the battery's voltage and condition.



Figure 3: Testing a vehicle battery

5.2. Testing Alternator/Charging System

1. With the tester still connected to the battery, start the vehicle's engine.
2. Allow the engine to idle.
3. Observe the LED indicators. The lights will show the charging system's voltage output.
4. A healthy charging system typically shows a voltage between 13.2V and 14.5V.



Figure 4: Clear LED indicators for readings

5.3. Interpreting LED Indicators

Indicator	Voltage	Condition
15.5V (Red)	Over 15.0V	Alternator Overcharging
14.5V (Green)	14.0V - 15.0V	Alternator Good
13.2V (Amber)	12.7V - 13.9V	Alternator Low / Battery Good
12.6V (Green)	12.4V - 12.6V	Battery Good
12.0V (Amber)	11.8V - 12.3V	Battery Low
11.5V (Red)	Below 11.8V	Battery Bad

6. MAINTENANCE

The OEMTOOLS 24367 Battery Tester requires minimal maintenance. Keep the probes and clamps clean and free of dirt or corrosion. Store the device in a dry place away from extreme temperatures.

7. TROUBLESHOOTING

- **No LED indication:** Ensure the probes are securely connected to the correct battery terminals. Check for corrosion on battery terminals that might prevent a good connection.
- **Inconsistent readings:** Verify that battery terminals are clean. Ensure the tester's probes and clamps are clean and making solid contact.
- **Tester feels warm:** This is normal during operation, especially if testing multiple times. Allow the unit to cool if it becomes excessively hot.

8. SPECIFICATIONS

Feature	Detail
Model Number	24367
Power Source	Battery Powered (from tested battery)
Voltage Range	8-15V DC
Measurement Type	Volts
Indicator Type	LED (Red, Yellow, Green)
Compatible Devices	Cars, Trucks, Golf Carts, RVs, and other vehicles with 12V batteries
Item Weight	0.11 Kilograms
Item Dimensions	8.7 x 4.5 x 0.9 inches

9. WARRANTY

This OEMTOOLS product is covered by a 90-day warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance or customer support, please visit the official OEMTOOLS website or contact their customer service department. Refer to the product packaging for specific contact details.

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