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› AWBLIN Automotive Buzzer Test Light User Manual

AWBLIN NS-837

AWBLIN Automotive Buzzer Test Light User Manual

Model: NS-837

1. INTRODUCTION

The AWBLIN Upgraded Automotive Buzzer Test Light is a versatile 4-60V DC digital LED circuit tester designed for automotive electrical systems. It features a built-in voltmeter, bidirectional voltage testing capabilities, and an audible buzzer warning for enhanced diagnostic efficiency. This heavy-duty tool is engineered for safety and precision, making it ideal for checking various vehicle electrical circuits.



Image: The AWBLIN Automotive Buzzer Test Light, showing its digital display, probe, coiled cable, and alligator clip. A protective cap is shown on the probe tip in the inset.

2. PRODUCT FEATURES

- **Unique Anti-Lost Needle Guard Protection:** Features an integrated probe protection cover to prevent accidental stabs and ensure the guard is not misplaced. This design enhances portability and safety.
- **LED Indication & Bidirectional Voltage Testing:** This circuit test light supports bidirectional voltage testing. The alligator clamp can be connected to either negative or positive ground. A light-emitting diode (LED) on the circuit board indicates polarity: a red light signifies positive polarity, and a green light indicates negative polarity.



Image: The test light demonstrating bidirectional voltage testing. The top image shows the red LED indicating positive polarity when connected to a positive terminal. The bottom image shows the green LED indicating negative polarity when connected to a negative terminal.

- **Buzzer Warning & Over-Voltage Warning:** During testing, the LED light illuminates and an audible buzzing sound is emitted. If the measured voltage exceeds 60V, the screen will display "ol", and both red and green LEDs will flash simultaneously, indicating an over-voltage condition. Discontinue testing immediately if this occurs.

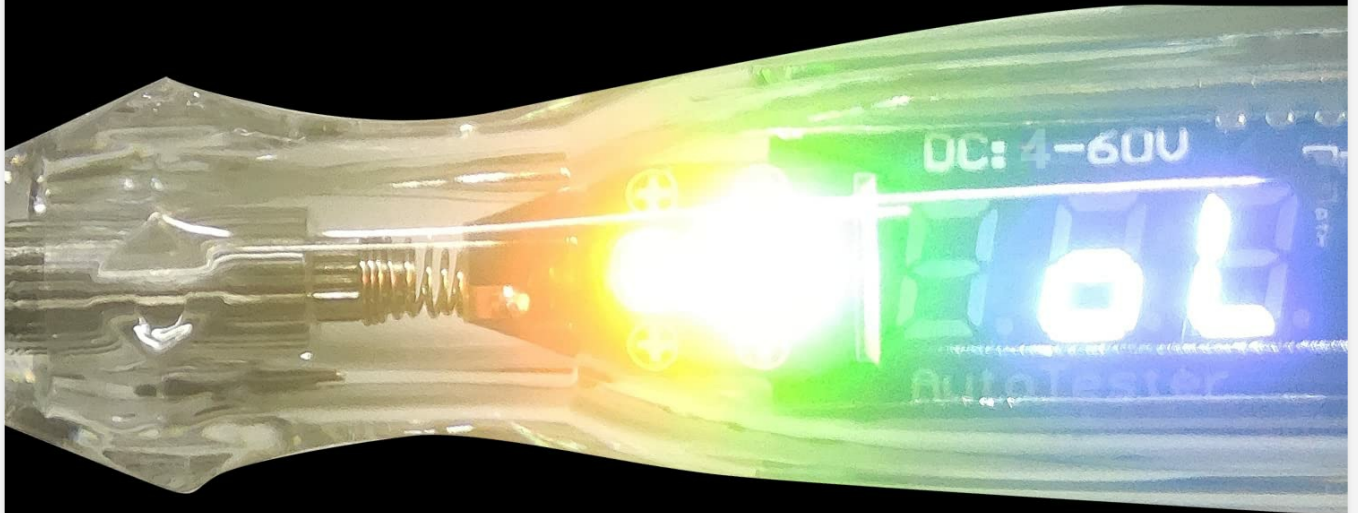
BUZZER WARNING

There will be beeps and lights during the test



Image: The test light in use, with graphic representations of sound waves, indicating the audible buzzer warning feature during testing.

OVER-RANGE WARNING



NOTE: If the measured DC voltage exceeds 60V, the screen will display "ol", please stop testing immediately!

Image: A close-up of the test light's digital display showing "ol" (over-limit) and flashing red and green LEDs, indicating an over-range voltage warning.

- **Computer Safe, Sturdy & Flexible:** Equipped with a built-in circuit board chip, this tester is designed to be safer and more robust than traditional test lights, preventing damage to the vehicle's computer board. The spring wire extends up to 102 inches, offering a wide measuring area. The tail wire features an anti-bending design to prevent poor contact.
- **Wider Voltage Range:** Capable of measuring up to 60V, exceeding the typical 48V maximum of many other automotive electrical testers. This makes it suitable for a broader range of 4-60V DC wirings and circuits.

3. WHAT'S IN THE BOX

The package includes the following components:

- 1 x AWBLIN Automotive Circuit Tester (Model: NS-837)

4. SPECIFICATIONS

Brand	AWBLIN
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Model Number	NS-837
Style	4-60V LED Digital
Voltage Range	4-60V DC
Power Source	Corded Electric
Color	Green, Red
Item Weight	0.17 Kilograms (6 ounces)
Package Dimensions	12.05 x 2.72 x 1.5 inches
Country of Origin	China

PRODUCT DIMENSION



Image: A diagram showing the physical dimensions of the AWBLIN Automotive Buzzer Test Light, including its length and the extended

length of its coiled wire.



Image: A detailed view of the test light with its key components labeled, including the LED display, red and green polarity indicators, stainless steel needle, probe cover, large size alligator clip, and extended spring wire.

5. SETUP

Before using your AWBLIN Automotive Buzzer Test Light, ensure you understand its basic connections:

1. **Connect the Alligator Clamp:** Attach the large alligator clamp securely to a known good ground point (e.g., vehicle chassis, negative battery terminal) for testing positive circuits, or to a known positive power source (e.g., positive battery terminal) for testing ground circuits.
2. **Prepare the Probe:** Remove the protective probe cover from the stainless steel needle.
3. **Extend the Wire:** The coiled spring wire can be stretched up to 102 inches to reach various testing points within the vehicle.

6. OPERATING INSTRUCTIONS

The AWBLIN Automotive Buzzer Test Light is designed for straightforward operation. Follow these steps for accurate circuit testing:

6.1. Bidirectional Voltage Testing

1. Testing Positive Polarity:

- Connect the alligator clamp to a negative ground point.
- Touch the probe to the circuit or component you wish to test.
- If the circuit has positive voltage, the digital display will show the voltage reading, and the **red LED** will illuminate. An audible buzzer will also sound.

2. Testing Negative Polarity (Ground):

- Connect the alligator clamp to a positive power source (e.g., positive battery terminal).
- Touch the probe to the circuit or component you wish to test.
- If the circuit is a good ground, the digital display will show the voltage reading (typically near 0V or a small residual voltage), and the **green LED** will illuminate. An audible buzzer will also sound.

6.2. Reading the Digital Display

The integrated digital display provides a precise voltage reading of the circuit being tested. This allows for more accurate diagnostics compared to traditional test lights that only indicate presence or absence of voltage.

6.3. Audible Buzzer Warning

The buzzer provides an immediate audible confirmation when a circuit is live (either positive or negative, depending on how the clamp is connected). This is particularly useful in noisy environments or when visual confirmation is difficult.

6.4. Applications

This circuit tester is ideal for checking various vehicle electrical circuits, including:

- Automotive headlights and taillights
- Turn signal circuits
- Faulty sockets
- Fuse connections
- Other 4-60V DC wirings and circuits found in cars, trucks, boats, and other vehicles.



Image: A collage of images depicting various vehicles such as cars, trucks, and boats, highlighting the wide range of applications for the AWBLIN circuit tester.

7. MAINTENANCE

To ensure the longevity and accurate performance of your AWBLIN Automotive Buzzer Test Light, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe the probe and the body of the tester with a clean, dry cloth to remove any dirt, grease, or moisture. Do not use abrasive cleaners or solvents.
- **Storage:** Always replace the protective probe cover before storing the tester. Store the tool in a dry, cool place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.
- **Cable Care:** Avoid sharp bends or kinks in the coiled wire. When extending or retracting the wire, do so gently to prevent damage to the internal conductors.

8. TROUBLESHOOTING

If you encounter issues with your AWBLIN Automotive Buzzer Test Light, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No display/LEDs, no buzzer	No power to the circuit being tested, or poor connection.	Ensure the alligator clamp has a solid connection to a power source (for ground testing) or ground (for positive testing). Verify the circuit being tested is live.
"ol" displayed, flashing LEDs, buzzer	Over-voltage detected (voltage exceeds 60V).	Immediately disconnect the tester. This tool is rated for 4-60V DC. Do not use it on circuits exceeding 60V to prevent damage to the tool and potential injury.

Problem	Possible Cause	Solution
Incorrect polarity indication	Alligator clamp connected to the wrong polarity for the test.	Ensure the alligator clamp is connected to the appropriate ground or positive source based on whether you are testing for positive voltage or ground.
Inconsistent readings	Poor contact with the circuit or corroded connections.	Ensure the probe makes firm contact with the test point. Clean any corrosion from the test point or clamp connection.

9. WARRANTY & SUPPORT

AWBLIN is committed to providing high-quality automotive tools and customer satisfaction. If you experience any dissatisfaction with your Automotive Buzzer Test Light for any reason, please do not hesitate to contact AWBLIN customer support. We are dedicated to assisting you and resolving any issues you may encounter.

For support, please refer to the contact information provided with your purchase or visit the official AWBLIN store on Amazon.

Note: This manual provides general instructions. Always refer to your vehicle's service manual for specific wiring diagrams and safety precautions.

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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

