

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



ALTERNATOR/BATTERY TESTER

FOR CUSTOMER SERVICE

Technical Question?

CALL 1-866-458-2472

customerservice@oem-tools.com

UNPACKING

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. If any damage is observed, a shipping damage claim must be filed with carrier. Do not use Battery Tester if broken, bent, cracked or damaged parts (including labels) are noted. Any Battery Tester that appears damaged in any way, operates abnormally or is missing parts should be removed from service immediately. If you suspect that the Fluid Dispensing System was subjected to a shock load (a load that was dropped suddenly, unexpectedly, etc.) immediately discontinue use until it has been checked by a factory authorized service center.



⚠️ WARNING

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



ALTERNATOR/BATTERY TESTER

Thank you very much for choosing an OEMTOOLS Product!

For future reference, please complete the owner's record below:

Model: _____ **Purchase Date:** _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it. This machine is designed for certain applications only. OEMTOOLS cannot be responsible for issues arising from modification. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted OEMTOOLS to determine if it can or should be performed on the product.

For technical questions please call 1-866-458-2472.



IMPORTANT INSTRUCTIONS AND SAFETY RULES

1. Know your tool. Read this manual carefully. Learn the tool's applications and limitations, as well as, potential hazards specific to it.
2. Keep work area clean and well lit. Cluttered or dark work areas invite accidents.
3. Keep children away. All children should be kept away from the work area. Never let a child handle a tool without strict adult supervision.
4. Do not operate this tool if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to operate.
5. Use safety equipment. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat or hearing protection should be used in appropriate conditions.
6. Wear proper apparel. Loose clothing, gloves, neckties, rings, bracelets or other jewelry may present a potential hazard when operating this tool. Keep all apparel clear of the tool.
7. Don't overreach. Keep proper footing and balance at all times when operating this tool.
8. Check for damage. Check your tool regularly. If part of the tool is damaged it should be carefully inspected to make sure that it can perform its intended function correctly. If in doubt, the part should be repaired. Refer all servicing to a qualified technician. Consult your dealer for advice.
9. Keep away from flammables. Do not attempt to operate this tool near flammable materials or combustibles. Failure to comply may cause serious injury or death.
10. Store idle tools out of the reach of children and untrained persons. Tools may be dangerous in the hands of untrained users.
 - Maintain tools with care.
 - Keep tools dry and clean.
 - Properly maintained tools are less likely to bind and are easier to control. Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.
 - Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.
 - If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
 - Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.
 - Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
 - When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.
 - Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding workspace. Keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use this product in a damp or wet location.
 - Maintain labels and nameplates on this product. These carry important information. If unreadable or missing, contact OEM for a replacement.
 - Keep the handle dry, clean, and free from brake fluid, oil, and grease.



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- Before use, read and understand all warnings, safety precautions, and instructions as outlined in the vehicle manufacturer's service manual. It is beyond the scope of this manual to properly describe the correct procedure and test data for each vehicle.
- Always perform vehicle service in a properly ventilated area. Never run an engine without proper ventilation for its exhaust. Stop work and take necessary steps to improve ventilation in the work area if you develop momentary eye, nose, or throat irritation as this indicates inadequate ventilation.
- Engine parts that are in motion and unexpected movement of a vehicle can injure or kill. When working near moving engine parts, wear snug fit clothing and keep hands and fingers away from moving parts. Keep hoses and tools clear of moving parts. Always stay clear of moving engine parts. Hoses and tools can be thrown through the air if not kept clear of moving engine parts. The unexpected movement of a vehicle can injure or kill. When working on vehicles always set the parking brake or block the wheels.
- Avoid accidental fire and/or explosion. Do not smoke near engine fuel and battery components.
- The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- For safety purposes and the prevention of damage to expensive components it is advised that the user have an understanding of basic automotive repair and a working knowledge of automotive systems.
- We believe the information contained herein to be reliable. However, general technical information is given by us without charge and the user shall employ such information at his own discretion and risk. We assume no responsibility for results or damages incurred from the use of such information in whole or in part. Always refer to specific instructions and technical information supplied by vehicle manufacturer.
- The manufacturer declines any and all responsibility for damage to vehicles or components if said damage is the result of unskillful handling by the operator or of failure to observe the basic safety rules set forth in the instruction manual.

DISPOSAL

At the end of the useful life of the Battery Tester, dispose of the components according to all state, federal, and local regulations.

PURPOSE

A safe, fast, simple, and portable Battery, Charging System Analyzer.

PRODUCT SPECIFICATIONS

Battery Voltage	12V
Input Voltage Range	8-15VDC



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Figure	Description	Quantity
24367A	Positive Battery Probe (Red)	1
24367B	Negative Battery Clamp (Black)	1
24367C	Lead Set	1
24367D	LED Display	1



Always wear safety glasses and gloves!

OPERATING INSTRUCTIONS

- WORKING NEAR A LEAD ACID BATTERY IS DANGEROUS. BATTERIES CAN GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. BATTERY EXPLOSION CAN KILL, INJURE, AND CAUSE PROPERTY DAMAGE! TO REDUCE RISK OF BATTERY EXPLOSION, READ THE FOLLOWING OPERATING INSTRUCTIONS AND THOSE PUBLISHED BY THE BATTERY MANUFACTURER AND THE PREVIOUS SAFETY INSTRUCTIONS PRIOR TO OPERATING THIS TESTER.
- **RISK OF CONTACT WITH BATTERY ACID.** BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.
- BE SURE AREA IS WELL VENTILATED WHILE THE BATTERY IS BEING TESTED.
- IF BATTERY ACID COMES INTO CONTACT WITH SKIN OR THE CLOTHES, PLEASE IMMEDIATELY WASH WITH SOAP AND WATER. IF THE BATTERY ACID GETS INTO EYES, PLEASE RINSE EYES WITH WATER RIGHT AWAY FOR AT LEAST 10 MINUTES THEN GO TO THE HOSPITAL.
- This equipment is intended only for professional use by personnel trained in performing the service functions for which it is has been designed



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- This equipment is designed for servicing a variety of vehicles in a safe, convenient manner. However, differences in vehicle makes and models may make it impossible to use this equipment as it is intended. Do not attempt to force the use of this equipment on an application for which it is not designed to perform.
 - The procedures documented in this manual are to serve as guidelines for the use of this equipment.
 - In addition to these guidelines, always follow the manufacturer's recommended procedures when servicing each unique vehicle.
 - The use of this equipment is simple and straightforward if you follow the instructions. When operating this equipment, use common sense, and always stop to think before connecting the Battery Tester or performing any tests
 - Position cords to reduce risk of damage by hood, door or moving engine parts.
 - Stay clear of fan blades, belts, pulleys, and other moving parts that can cause injury to persons.
 - Check polarity of battery posts.
- c. (Yellow Light On) Voltage is less than 12.0 V, batter voltage is low, the charging system test should be performed to see if alternator can bring battery up to full charge. If it does and battery cannot maintain 12.6 V to 13.2 V, it is approaching the end of its life.

CHARGING SYSTEM TEST

1. With Tester Connected as above, start engine and increase RPM to 1200-1500 RPM. Alternator output will display.

POSSIBLE RESULTS ARE

- a. (Green Light On) Voltage between 13.4 V and 14.6 V, the system is showing normal output from the alternator. No problem is detected
- b. (Red Light On) Voltage is more than 15.5V; the voltage output from the alternator to the battery exceeds the normal limits of a functioning regulator. Check to ensure there are no loose connections and that the ground connection is normal. If there are no connection issues, replace the regulator. Since most alternators have the regulator built-in, this will require you to replace the alternator.
- c. (Yellow Light On) Voltage is less than 13.2 V, the alternator is not providing sufficient current to the battery. Check the belts to ensure the alternator is rotating with engine running. If the belts are slipping or broken, replace the belts and retest. Check the connections from the alternator to the battery. If the connection is loose or heavily corroded, clean or replace the cable and retest. If the belts and connections are in good condition, replace the alternator.

THESE TEST PROCEDURES ARE FOR NEGATIVE GROUNDED VEHICLES ONLY. FOR POSITIVE GROUNDED VEHICLES, SEE VEHICLE MANUFACTURER'S REPAIR MANUAL

BATTERY TEST

1. Before you test a battery in a vehicle, turn off the ignition, all accessories and loads.
2. Close all the vehicle doors and the trunk lid.
3. Determine which post of the battery is grounded (connected) to the chassis.
4. Connect NEGATIVE (black) clip to vehicle chassis or engine block away from the battery
5. Do not connect clip to carburetor, fuel lines, or sheet metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
6. Touch POSITIVE (red) probe from battery tester to POSITIVE (POS, P, +) ungrounded post of battery
7. LED Display indicates state of charge for Battery

POSSIBLE RESULTS ARE

- a. (Green Light On) Voltage between 12.6 V and 13.2 V, battery is fully charged.
- b. (Red Light On) Voltage is less than 11.5 V, battery needs to be fully charged then retested.

MAINTENANCE

1. Always store the Battery Tester in a well-protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements.
2. Keep the Battery Tester clean for better and safer performance.
3. Clean clamps and case after each use to prevent corrosion from battery fluid



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OEMTOOLS™ LIMITED 90 DAY WARRANTY

From 90 days from the original purchase of this product, OEMTOOLS will warranty this item. If you find any defect in material or workmanship, through normal usage, return it to the place of purchase or to OEMTOOLS for repair or replacement at our discretion. In order to obtain this service send your tool and proof of purchase, transportation pre-paid, to OEMTOOLS Q.A. Dept., 3850 Raines Road #3, Memphis. We will not be responsible for lost or damaged goods during transportation, please insure your package. If our inspection verifies the defect, we will either repair or replace the product at our election, or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

OEMTOOLS does not provide warranty for products labeled other than OEM or OEMTOOLS. OEMTOOLS will not provide any warranty for products subjected to abnormal use. Abnormal use includes, but is not limited to, abuse, accident, alteration, neglect, and unauthorized or unreasonable use or repairs. This warranty does not cover bits, blades, files, batteries, or calibration. We recommend that you maintain your tools and sharpen or replace blades, bits, files, and batteries as necessary. OEMTOOLS reserves the right to make any changes in construction or design at any time without any obligation in incorporating such changes to tools or equipment previously sold.

OEMTOOLS makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear or to lack of maintenance.

We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.