

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS



DANGER! BE AWARE, LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS VERY IMPORTANT TO READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY, EACH TIME YOU USE THE BATTERY TESTER.

Follow these instructions and those published by the battery and vehicle manufacturers, and the maker of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and engines.



1.1 PERSONAL PRECAUTIONS

- ✓ Ensure that there is another person within hearing range and close enough to come to your aid, should a problem arise when working near a lead-acid battery.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working near battery.
- ✓ Have fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
- ✓ Wash immediately with soap and water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current which is high enough to weld such items to the vehicle, and cause severe burns.
- ✓ Ensure that hands, clothing (especially belts) are clear of fan blades and other moving or hot parts of engine. Remove ties and contain long hair.
- x **DO NOT** smoke or allow a spark or flame in the vicinity of the battery or engine.

1.2 GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application, limitations and potential hazards of the tester. Also refer to the vehicle manufacturer's hand book. *IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.*
- ✓ Ensure that the tester is in good condition before use. If in any doubt do not use the unit and contact a qualified electrician.
- ✓ Only use recommended attachments and parts. To use unapproved items may be dangerous and will invalidate your warranty.
- ✓ Keep tools and other items away from the engine and ensure that you can see the battery and working parts of engine clearly.
- ✓ Confirm that the battery to be tested is 12 volt, and not 6 or 24 volt, before using the tester.
- ✓ If the tester receives a sharp knock or blow the unit must be checked by a qualified service agent before using.
- ✓ If the battery terminals are corroded or dirty clean them before using the tester.
- ✓ Keep children and unauthorised persons away from the work area.
- x **DO NOT** dis-assemble the tester for any reason. The tester must only be checked by qualified service personnel.
- WARNING!** *To prevent the risk of sparking, short circuit and possible explosion DO NOT drop metal tools in the battery area, or allow them to touch the battery terminals.*
- ✓ Ensure there is effective ventilation to prevent a build-up of explosive gases.
- x **DO NOT** attempt to use on 230V AC domestic system or any other system of greater than 12V.
- x **DO NOT** use the tester for a task for which it is not designed.
- ✓ When not in use, store the tester carefully in a safe, dry, childproof location.
- x **DO NOT** load test for more than 5 seconds at a time. Use for longer may result in the tester overheating and will invalidate your warranty.

2. INTRODUCTION

Professional quality, heavy-duty tester. Features colour coded, 6-LED display, showing battery and alternator voltages. Suitable for 12V systems. No internal battery required.



3. OPERATION

- ❑ **WARNING!** Ensure that you read, understand and apply the safety and operational instructions before applying the tester probes to the battery. Only when you are sure that you understand the procedures is it safe to proceed with the testing process.

3.1 PREPARATION

- ❑ **WARNING!** Ensure that the vehicle, or battery, is in a well ventilated area before starting.
- 3.1.1 Check battery casing for cracks or leakage and confirm that it is 12 volts.
- 3.1.2 Clean battery terminals.
- 3.1.3 If possible, check electrolyte levels and top-up with distilled water as necessary.

DO NOT test for more than 10 seconds as damage may occur.

3.2 BATTERY TESTING

- 3.2.1 Press probe (fig.1.A) to the positive (+) battery terminal and probe (fig.1.B) to negative (-) terminal.
- 3.2.2 LEDs 1 through 3 at the bottom of the tester should light up showing a healthy battery, if less than 3 illuminate the battery requires immediate maintenance.

NOTE: Some late models or larger vehicles may cause 4 LEDs to light up. **This is OK.**

3.3 ALTERNATOR TESTING

NOTE: Idle the engine at 2000 rpm during the test (some vehicles may require a higher engine speed for an accurate test).

- 3.3.1 Press the positive (+) probe (fig.1.A) onto the positive battery terminal and negative (-) probe (fig.1B) onto the negative terminal.
- 3.3.2 The LEDs 1 through 3 should illuminate to show a healthy battery plus two more to show the alternator is working efficiently. If only 1 illuminates or all LEDs illuminate the alternator is not working efficiently and will require maintenance.

Declaration of Conformity We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives.

BATTERY AND ALTERNATOR TESTER

MODEL: TA301

2004/108/EC EMC Directive
2002/95/EC RoHS Directive
2002/96/EC WEEE Directive
93/68/EEC CE Marking Directive
2006/95/EC Low Voltage Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by
Mark Sweetman 30th August 2007

For Jack Sealey Ltd. Sole importer into the UK of Sealey Professional Tools.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
IMPORTANT: No liability is accepted for incorrect use of product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



fig.1

When testing the alternator, LEDs 1 through 5 should illuminate

When battery testing, 3 LEDs should light up to show healthy battery.



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