



INSTRUCTIONS FOR BATTERY AND ALTERNATOR TESTER MODEL NO: TA301

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 & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear protective gloves



Wear eye protection



Warning: Explosive gas

1. SAFETY

- ✓ 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.
- ✗ **DO NOT** smoke or allow a spark or flame in the vicinity of the battery or engine.
- ✓ 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.
- ✗ **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.
- ✗ **DO NOT** attempt to use on 230V AC domestic system or any other system of greater than 12V.
- ✗ **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.
- ✗ **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.

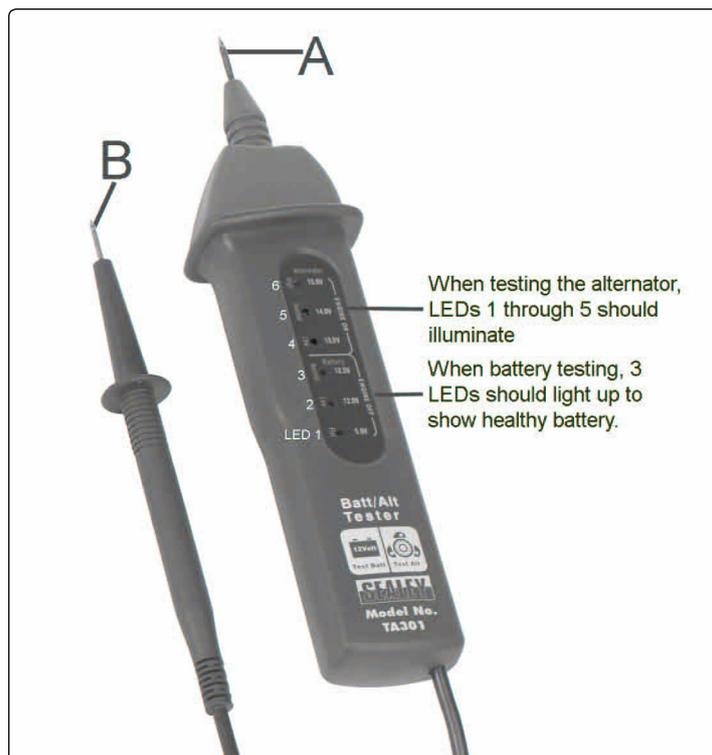
2. INTRODUCTION

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.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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 this product.

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

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