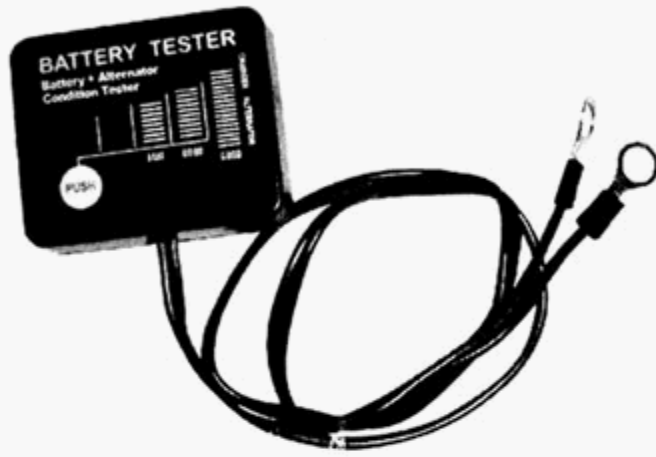


# BATTERY & ALTERNATOR TESTER

## 12 VOLT WITH RING TERMINALS

### SET UP AND OPERATING INSTRUCTIONS



**Read this material before using this product.**  
**Failure to do so can result in serious injury.**  
**Save this manual.**

ABR-SIDEWINDER Battery Tester / Monitor  
12V DC only. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of ABR-SIDEWINDER. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### Save This Manual

Keep this manual for the safety warnings and precautions, assembly and operating instructions. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

### IMPORTANT SAFETY Information

1. Wear ANSI-approved safety goggles during set up and use of the Battery & Alternator Tester.
2. Test in a well ventilated area. Explosive gases may be produced during testing. Do not smoke, cause sparks, or strike matches near the battery when testing.
3. Always refer to the user manual of the battery/alternator being tested for testing instructions and precautions prior to using the Battery Tester.
4. Do not reverse the polarity of the Battery & Alternator Tester's Ring Terminals or vehicle battery.
5. Do not immerse this product in water or expose to constant water spray.
6. Maintain this product. Check for breakage of parts and any other condition that may affect this product's operation. If damaged, have the unit repaired before use.
7. Use this product in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of this product for operations different from those intended could result in a hazardous situation.
8. This product is not a toy. Keep it out of reach of children.
9. Maintain labels and nameplates on the unit. These carry important safety information. If unreadable or missing, contact your supplier for a replacement.
10. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to a heart pacemaker could cause pacemaker interference or pacemaker failure.
11. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by

the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

12. Avoid dropping the Tester; this tool can be easily damaged.

### INSTALLATION INSTRUCTIONS

1. Turn the vehicle engine and all accessories off.
2. Disconnect the BLACK (--) Negative cable from the vehicle battery.
3. Select a convenient location on or near the battery to attach the Battery & Alternator Tester. Make sure to clean the surface to which you will attach the unit.
4. If your battery does not have a battery adapter (not included), you will need to attach one so that the lugs can be attached to the adapter connectors.
5. Attach the Ring Terminal on the RED Wire to the Positive (+) terminal on the battery.
6. Attach the Ring Terminal on the BLACK Wire to the Negative (--) part of the battery.
7. Attach the Battery & Alternator Tester unit to the desired location using the hook and loop strips provided.
8. Re-connect the BLACK (--) Negative battery cable to the Negative battery terminal.

### OPERATING INSTRUCTIONS

#### 1. IMPORTANT NOTES:

- a. For the most accurate readings always allow the battery to "rest" for a minimum period of twelve hours without charging or discharging or running the engine. When testing a battery, test only
- b. with the engine and all accessories and lights turned off.
- c. Test an alternator/charging system only when the engine is running and

without lighting and accessories turned on.

2. **To test a battery**, the vehicle's engine, lighting, and accessories must be off.
  - a. Press the area on the unit marked "PUSH".
  - b. If all three LED's illuminate (red, yellow, and green) the battery is in "good" condition and fully charged (12.3 to 12.7 volts).
  - c. If only the red and yellow LED's illuminate, the battery is in "fair" condition (11.8 to 12.2 volts).
  - d. If only the red LED illuminates, the battery is in "poor" condition (11.3 to 11.7 volts). The battery should be desulphated fully before it can be further evaluated to determine if it can be returned to "good" condition.
  - e. When no LED's illuminate, the battery can be considered "dead" and unlikely to be restored.
3. To test an alternator/charging system, the engine must be running at 2,000 RPM minimum.
  - a. Press the area on the unit marked "PUSH"
  - b. If all four LED's illuminate, the alternator/charging system is in "good" condition.
  - c. If the green LED (marked "ALTERNATOR") does not illuminate, the alternator/charging system is faulty and must be repaired.
4. When "jump starting" using booster battery cables (not included):
  - a. Turn off all lights and power using accessories.
  - b. Keep hands and body clear of all hot and moving parts in the engine compartment.
  - c. Attach the RED (+) battery cable clamp to the Positive (+) battery terminal of the "good" vehicle.
  - d. Attach the BLACK (--) battery cable clamp to the Negative (--) battery terminal of the "good" vehicle.
  - e. Attach the RED (+) battery cable clamp to the Positive (+) battery terminal

of the "dead" vehicle.

- f. Attach the BLACK (--) battery cable clamp to a clean, non-painted, metal, non-moving part of the "dead" vehicle at least three feet away from the battery.
- g. Run the "good" vehicle at a slightly higher speed than idle.
- h. While testing the battery using the Battery/Alternator Tester, check the condition of the "dead" battery. The Battery/Alternator Tester must indicate "fair" (Yellow LED) or "good" (Green LED) before you attempt to start the "dead" vehicle. (Green LED) before you attempt to start the "dead" vehicle.
- i. After the engine has started, carefully disconnect the battery cable clamps from the batteries in the exact reverse order they were attached.

### PLEASE READ THE FOLLOWING CAREFULLY

The manufacturer and/or distributor has provided the parts list and assembly diagram in this manual as a reference tool only. Neither the manufacturer or distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product, or that he or she is qualified to replace any parts of the product. In fact, the manufacturer and/or distributor expressly states that all repairs and parts replacements should be undertaken by certified and licensed technicians, and not by the buyer. The buyer assumes all risk and liability arising out of his or her repairs to the original product or replacement parts thereto, or arising out of his or her installation of replacement parts thereto.