

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 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

## 1. SAFETY INSTRUCTIONS

- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
  - DO NOT** use tester if damaged.
  - DO NOT** use this tool for purposes other than that for which they are designed.
  - Maintain tools in good and clean condition for best and safest performance.
  - Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
  - Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery and tie back long hair.
  - Keep children and unauthorised persons away from the work area.
  - Account for all tools and parts being used and do not leave them in or near the engine.
  - Keep yourself, clothing and test equipment away from all moving or hot engine parts.
  - Before performing a test with the engine running, set the parking brake and place the gear selector in neutral or park and block the drive wheels.
  - DO NOT** use the tester when you are tired or under the influence of alcohol, drugs or intoxicating medicines.
  - WARNING!** High Tension ignition systems operate at a very high voltage. Care must be exercised whilst using this tester on such systems.
  - Store this in a safe, dry, childproof location.
  - WARNING!** Failure to comply with these instructions may result in damage to the tester or vehicle and/or personal injury.
  - WARNING!** The warnings referred to in this guide cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
- NOTE!** Using this tester on non-COP vehicles will give inaccurate results.

## 2. INSTRUCTIONS

- 2.1. Assembling the tester.**
- 2.1.1. Attach the extension probe onto the tester's probe tip.
  - 2.1.2. Press fit the signal receiver pad onto the extension probe.
- 2.2. How to operate the tester.**
- 2.2.1. Turn on the tester by turning the rotary switch. To indicate the tester is on, the red and green LEDs rapidly flash alternately, and the tester emits an ascending beeping sound for a short period. After use, until the tester is turned off, the green LED continues to slowly flash to indicate the tester is on.
  - 2.2.2. With the engine running, firmly place the tester's signal receiver pad against the COP'S body. Make sure the marked side of the pad is towards the COP, adjust the sensitivity switch until the red and green LEDs flash simultaneously. As the tester relies on a signal emitted from the COP body, it may be necessary to move the signal receiver pad around until the pad is in a position to pick up the strongest signal.
- Note:** The strength of signal that each car produces is different, so you will need to adjust the sensitivity switch when you test another vehicle until the red and green LEDs flash simultaneously.
- 2.2.3. It is possible that a misfire may not develop whilst the engine is at idle, so it may be necessary to test the COP with raised engine revs.
  - 2.2.4. Continue testing each COP and compare the results.
- 2.3. Test Results.**
- 2.3.1. A consistent steady flashing red LED light, supported by an audible beeping indicates that the COP is producing the correct amount of voltage. No response or an inconsistent response indicates that the COP is not producing the correct voltage. Possible causes are a fouled spark plug or an incorrect gap, damaged or corroded connectors and wires, or a faulty coil.
  - 2.3.2. A consistent steady flashing green light indicates that the duration of the arc is correct. No response or an inconsistent response indicates that the duration of the arc is not correct. Possible causes are shorted windings inside the coil, resistance or bad connections, or a faulty coil.
  - 2.3.3. Refer to the vehicle manufacturer's service instructions or proprietary manual to establish the current procedures for repairing or replacing COP's.
- 2.4. Turning the tester off.**
- 2.4.1. Turn off the tester by turning the rotary switch until it clicks. The tester will also automatically turn off after approximately 2 minutes of non-use. Before shutting off, both LED's flash and a descending beeping sound is emitted.

## 3. MAINTENANCE

- 3.1. Replacing the battery.**
- 3.1.1. Remove the two screws from the handle and carefully separate the two halves.
  - 3.1.2. Lift the metal contact and carefully remove the old battery. Replace with a new battery (CR2032). The positive '+' side should be facing uppermost.
- 3.2. Signal Pad.**
- Visually inspect the signal pad for any damage. If any damage has been sustained, replace the signal pad.
- 3.3.** The red and green LED's are non replaceable.

**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 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.

