

INSTRUCTIONS FOR:
**CIRCUIT TESTER SET -
 3 PIECE**

MODEL No: **AK4011**

Thankyou for purchasing this 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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS JACK CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ IF YOU ARE IN ANY DOUBT ABOUT ELECTRICAL SAFETY, CONSULT A QUALIFIED AUTO-ELECTRICIAN.
- ✓ Only for use with 6 - 36V DC systems (voltage depends on individual tester selected).
- ✗ **DO NOT** apply voltage to the probes that exceeds the specified maximum of that tester.
- ✗ **DO NOT** use with industrial/domestic 110V/230V systems.
- ✗ **DO NOT** use on any circuit directly or indirectly connected to AC lines or any other AC power source.
- ✗ **DO NOT** use with any component parts or circuits of the ignition system.
- ✓ Observe standard workshop safety procedures when using these testers.
- ✓ Maintain correct balance and footing. Do not over reach, ensure the floor is not slippery, wear non-slip shoes.
- ✓ When working near a running vehicle engine, remove loose fitting clothing, ties, watches, rings, loose jewellery, and contain or tie back long hair.
- ✓ Wear appropriate protective clothing and keep hands and body clear of moving engine parts.
- ✓ When working with a running vehicle engine, ensure that there is adequate ventilation.
- ✓ Before using the testers, check the vehicle's electrical wiring and disconnect any part or sub-system that is sensitive to voltage and current pulses, such as air bags, electronic control modules, etc.
- ✓ Refer to the instructions and procedures laid out in the vehicle's manual, before attempting to disconnect any part or subsystem of the electrical circuit.
- ✓ Ensure that the testers and leads are kept clear of any moving engine parts or hot surfaces, at all times.
- ✓ The testers' probes have an extremely sharp point - extreme caution is needed when using them.
- ✗ **DO NOT** use the testers in the presence of explosive gases, vapour or dust. Take care when working with lead acid batteries as they can produce explosive gases.
- ✗ **DO NOT** use leads if damaged or if wires are bared in any way.
- ✗ **DO NOT** use these testers for any purpose other than those for which they have been designed.
- ✓ When not in use, store the testers carefully in a safe, dry, childproof location. Avoid extremes of temperature.

2. SPECIFICATION

Set of 3 circuit testers. Allows voltage and continuity to be tested on 6-36Volt DC systems. Pointed probe tests through wire insulation. Supplied with 1.2mtr cable and shrouded earth clip. Continuity tester powered by 1 AA battery (not supplied).

3. OPERATING INSTRUCTIONS

- 3.1. Continuity Tester.**
 - 3.1.1. The continuity tester requires an AA (1.5V) battery (not supplied). Unscrew the handle from the base and place a battery into the handle, negative end first, screw handle back onto the base. Check the condition of the battery and the bulb in the tester by touching the probe against the clip, the bulb should illuminate.
 - 3.1.2. Disconnect the vehicle's battery. Select a vehicle component/wire to be tested.
 - 3.1.3. Attach the tester's clip to an earthing point, such as the vehicle's bodywork, touch the probe onto a terminal of the component or pierce a wire's insulation with the probe, if the circuit is complete then the bulb will illuminate. Ensure that the connections are clean, otherwise a false result may be given.
 - 3.1.4. When battery is exhausted, remove it by unscrewing the handle from the base and remove the battery. Dispose of the battery carefully and in line with local authority guidelines.
- 3.2. 18-36V and 6-12V Testers.**
 - 3.2.1. Before using the voltage testers, check to ensure that the bulb is working. Connect the tester to the vehicle's battery by touching the probe of the tester to one terminal and the clip to the other terminal, the bulb should illuminate.
 - 3.2.2. Depending on the component, it may require the ignition to be in the 'ON' or 'ACCESSORY' position and the engine may need to be running - see the vehicle's user manual.
 - 3.2.3. Attach the tester's clip to an earthing point, or to the negative terminal of the vehicle's battery. Touch the probe onto a terminal of the component or pierce a wire's insulation with the probe, if the circuit is complete then the bulb will illuminate. Ensure that the connections are clean, otherwise a false result may be given.
 - 3.2.4. If there is no circuit, further investigation will be needed to rectify the problem. Refer to the vehicle's manual for the position of the fuses/fuse box. If relevant fuse has blown, establish the reason for this before replacing it with the same fuse type. If the fuse is not blown, then work back along the wiring from the component, testing where possible for a live connection, to narrow down where there is an open circuit, circuit break or a bad connection or earth.
- 3.3. Maintenance.**
 - 3.3.1. To change the bulb, unscrew the handle from the base and remove bulb (screw cap on Continuity Tester), replace bulb with a similar wattage bulb and screw handle back onto the base.
 - 3.3.2. Occasionally wipe the testers using a clean cloth, do not immerse them in any liquids.



Environmental Protection.



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



When the product is no longer required, it must be disposed of in an environmentally protective way.



Battery Removal.

See section 3.1.4.

Dispose of batteries according to local authority guidelines.

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme.

Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

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 catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.



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