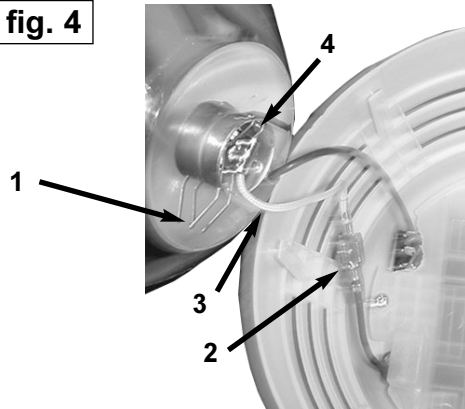


### 3. MAINTENANCE

#### 3.1. CHANGING THE LANTERN BULB

- ❑ **WARNING!** Ensure the lantern is turned off and the lens has cooled prior to changing the bulb.
  1. Remove the hood retaining screw located as shown in fig.1.A.
  2. Undo the lantern hood (fig.1.B) by turning it anti-clockwise.
  3. Carefully lift the hood and reflector assembly revealing the spring clip (fig 4.1.) and the cable connector (fig. 4.2.).
  4. Disconnect wire (fig.4.3.).
  5. Remove the spring clip (fig.4.1.).
  6. Pull bulb (fig.4.4) outward from the reflector.
  7. Hold the new bulb (See Parts List for number) with a lint free cloth, (do not handle the bulb), and install by reversing the above procedure.

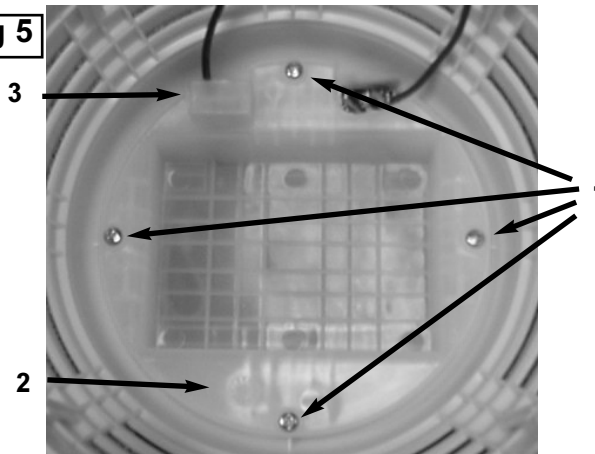
fig. 4



#### 3.2. CHANGING THE BATTERIES

- ❑ **WARNING!** Ensure you read, understand and apply safety instructions relating to the battery before changing.
    1. Remove the hood retaining screw located as shown in fig.1.A.
    2. Undo the lantern hood (fig.1.B) by turning it anti-clockwise.
    3. Carefully lift the hood and reflector assembly revealing the four battery cover retaining screws (fig.5.1.)
    4. Undo the four retaining screws.
    5. Carefully raise the battery cover (fig.5.2.).
    6. Disconnect the battery terminal wires.
  - ❑ **WARNING!** Beware of causing a short circuit.
  - 7. Carefully remove both the batteries.
  - 8. Replace with genuine Sealey batteries and install by reversing the above procedure.
- Notes:
- a) Take care not to pinch or cross-connect any wires.
  - b) When replacing battery cover make sure that charging jack PCB (fig.5.3) is slotted into supports before replacing screws.
  9. Dispose of old batteries in accordance with local authority lead-acid battery regulations. **DO NOT** dispose of with regular refuse.

fig 5



#### PARTS LIST FOR: AK437 RECHARGEABLE LANTERN

Part No	Description	Part No	Description	Version
AK437/B	Bulb	AK437/CC	Car Charger	1
AK437/C	Mains Charger	AK435/BAT	Battery (Qty 2)	Issue Date 070202


### CE Declaration of Conformity

We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives. The construction files for this product are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

#### Rechargeable Lantern Model AK437

73/23/EEC Low Voltage Directive  
89/336/EEC EMC Directive  
93/68/EEC CE Marking Directive

Signed by Mark Sweetman

 11th January 2005

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.


**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 equipment.

**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.



 01284 757500

 01284 703534

**Sole UK Distributor, Sealey Group,**  
Bury St. Edmunds, Suffolk.

 [www.sealey.co.uk](http://www.sealey.co.uk)

 [sales@sealey.co.uk](mailto:sales@sealey.co.uk)



INSTRUCTIONS FOR:

**RECHARGEABLE LANTERN**

Model: **AK437**

*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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

### 1. SAFETY INSTRUCTIONS

#### 1.1. GENERAL

- ✓ Ensure the lantern is correctly charged before initial use.
- ✓ When fully charged, lantern must not be used for more than 20 minutes of continuous use. To do so may damage the lamp.
- ❑ **WARNING!** The lens becomes very hot during operation.
  - x **DO NOT** cover or block the lens during use.
  - x **DO NOT** turn the lantern on when it is being re-charged.
  - x **DO NOT** shine directly into your, other person's or animal's eyes.
  - x **DO NOT** stand the lantern near any surface or item that may be adversely effected by the heat emitted by the lens.
  - x **DO NOT** allow children to use the lantern.
  - x **DO NOT** handle or move the lantern whilst it is being charged.
  - x **DO NOT** use the lantern if you suspect that the battery or the lantern casing is damaged.
  - x **DO NOT** handle lamp bulb with your fingers. Use a soft lint-free cloth.
- ✓ Ensure that correctly rated battery and bulb are used for replacements.
- ✓ When not in use store the lantern in a safe, dry, childproof location.

#### 1.2. BATTERY SAFETY

**DANGER! - BE AWARE, LEAD-ACID BATTERIES MAY BE DANGEROUS IF NOT HANDLED WITH CARE AND ACCORDING TO THESE INSTRUCTIONS.**

- ✓ Before exposing the batteries for replacement, remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current high enough to weld a ring to metal, which would cause severe burns.
- x **DO NOT** smoke or allow a spark or flame in the vicinity of batteries.
- ✓ Ensure the charger is switched off and disconnected from the lantern before attempting to open the lamp unit.
- ✓ If the batteries' terminals are corroded or dirty, clean them before replacing batteries.
- x **DO NOT** dis-assemble the batteries for any reason.
- ❑ **WARNING! DO NOT** allow metal tools to touch both battery terminals simultaneously. Arcing or short circuit will result.
- x **DO NOT** allow battery wires to touch each other or to make contact with any other metallic part.
- x **DO NOT** cross-connect wires to the batteries as this will damage the unit. Ensure positive (+) (RED) is to positive and negative (-) BLACK is to negative.
- x **DO NOT** leave batteries in a discharged state, recharge batteries immediately. If the lantern is not in use, recharge the batteries every three months. Dispose of the old batteries in accordance with local authority acid battery regulations. **DO NOT** dispose of with regular refuse.

### 1.3. ELECTRICAL SAFETY.

**USE ONLY THE SUPPLIED CHARGER PLUG FOR CONNECTING LANTERN TO THE POWER SUPPLY.**

**ONLY USE THE SUPPLIED ADAPTOR FOR CONNECTING TO A VEHICLE 12V SOCKET.**

**WARNING!** It is the user's responsibility to read, understand and comply with the following electrical instructions:

You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products, particularly portable equipment which is plugged into an electrical supply not protected by an RCCB.

**You must** also read and understand the following instructions concerning electrical safety.

**1.3.1. The Electricity At Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.

**1.3.2. The Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**

#### 1.3.3. You must ensure that you:

- ✓ Inspect the charger plug, cable and connector for wear and damage to ensure items are safe before connecting to the mains power supply. If worn or damaged **DO NOT** use.
- ✓ Check cables are always protected against short circuit and overload.
- ✓ Important: Check that the voltage marked on the charger plug is the same as the power supply to be used.
- ✓ Uncoil the cable between charger and the lantern.
- x **DO NOT** pull the charger plug from the mains socket by the lead.
- x **DO NOT** use any other type of charger with this product.
- x **DO NOT** place the connector into any area of the lantern except the correct jack inlet socket.
- x **DO NOT** try to take the charger plug apart.
- x **DO NOT** use the charger plug to charge or power any other electrical item.
- x **DO NOT** get the charger wet, or use in wet, damp conditions (for indoor use only).

**WARNING!** NEVER substitute a standard 13 amp 3 pin plug, or any other type of plug, for the charger plug.

**Cable extension reels.** If a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected.

fig.1



fig. 2

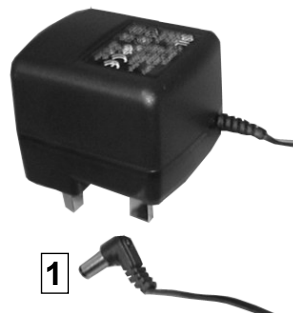
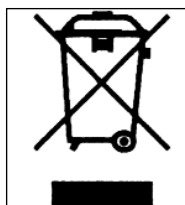
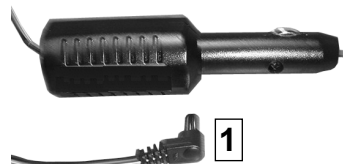


fig. 3



**WEEE REGULATIONS**  
Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment.

## 2. INTRODUCTION & OPERATION

### 2.1. INTRODUCTION

The AK437 quartz halogen rechargeable lantern has an output of 3,500,000 candle power and provides a clean white beam which can be seen for miles. The lantern may be stood on a flat surface or hand held. The lantern is powered by two, sealed, rechargeable, 6 volt, lead-acid batteries which may be charged via the charger plug or the vehicle cigarette lighter adaptor, both supplied.

### 2.2. OPERATION

**WARNING!** Ensure you read and understand safety instructions before use.

**Reminder:** This lantern is designed for intermittent use only. Continuous use may damage the unit.

1. Charge the batteries before use. **IMPORTANT: Turn off lantern while charging. Failure to do so will damage the charger plug/vehicle plug.**

2. Turn lantern 'On' and 'Off' by the switch on the main body.

3. The lantern has a fixed carrying handle and two adjustable standing supports (fig.1.).

### 2.3. BATTERY CHARGING

**WARNING!** Ensure you read, understand and apply safety instructions relating to the battery and charger before use.

#### 2.3.1. Charger plug

1. Plug the charger adaptor (fig. 2.1) into the jack inlet on lantern body and stand the lantern in a safe location ready to charge.

2. Ensure the lantern is turned 'Off' and then plug charger into the mains supply and switch on. The green LED on the charger will light.

3. Allow approximately 20 hours for charging. When fully charged the red LED on the charger will light in addition to the green LED. When full charge has been reached, switch off the mains supply and unplug the charger. Remove the charger adaptor (fig.2.1) from the lantern and seal the jack inlet. The lantern may now be used.

4. Store the charger in a safe, dry location.

**Notes:** a) A fully charged battery will last for approximately 30 minutes.  
b) There is no need to fully discharge the batteries before recharging.

#### 2.3.2. Vehicle plug

1. Ensure lantern is turned 'Off' and then plug the 12 volt vehicle plug adaptor (fig.3.1.) into the jack inlet on the lantern body. Stand the lantern in a safe location ready to charge.

2. Insert plug into vehicle cigarette lighter socket. Allow approximately 20 hours for charging.

3. When fully charged, unplug the adaptor from the vehicle socket and from the lantern before turning the lantern on.

4. Store the adaptor in a safe, dry location.

**NOTE:** Charging the lantern from a 12 volt vehicle socket will drain the vehicle battery.