

LIGHT KEEPER PRO 230566

LIGHT KEEPER PRO Quick Fix Incandescent Christmas Holiday Light Set Repair Tool User Manual

Model: 230566

INTRODUCTION

The LIGHT KEEPER PRO Quick Fix Tool is designed to diagnose and repair incandescent Christmas and holiday light sets quickly and efficiently. This manual provides detailed instructions for its proper use, maintenance, and troubleshooting to ensure your light sets are working perfectly.



Image: The LightKeeper Pro Quick Fix Tool, a red handheld device, shown alongside a collection of small clear replacement incandescent bulbs.

SETUP AND COMPONENTS

Battery Installation

The LightKeeper Pro requires three 1.5V Alkaline batteries (LR44, AG13, A76, or 357). These are typically pre-installed. To replace or install batteries:

1. Locate the battery compartment cover on the underside of the tool.
2. Press the 'PUSH' button or slide the cover to open it.
3. Insert three 1.5V Alkaline batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover securely.



Image: The LightKeeper Pro tool with its battery compartment open, revealing the battery slots. A small plastic bag containing spare bulbs is also visible next to the tool.

Understanding Tool Components

Familiarize yourself with the key components of your LightKeeper Pro tool:

- **Bulb & Fuse Tester:** For checking individual bulbs and fuses.
- **Audible Voltage Detector:** Detects voltage in light strands.
- **LED Headlight:** Illuminates work area.
- **Bulb Puller:** Assists in removing stubborn bulbs.
- **Light Set Socket Connector:** For connecting to light set sockets.
- **Quick Fix Trigger:** Activates the quick fix function.
- **Storage Organizer:** Compartment for spare bulbs.

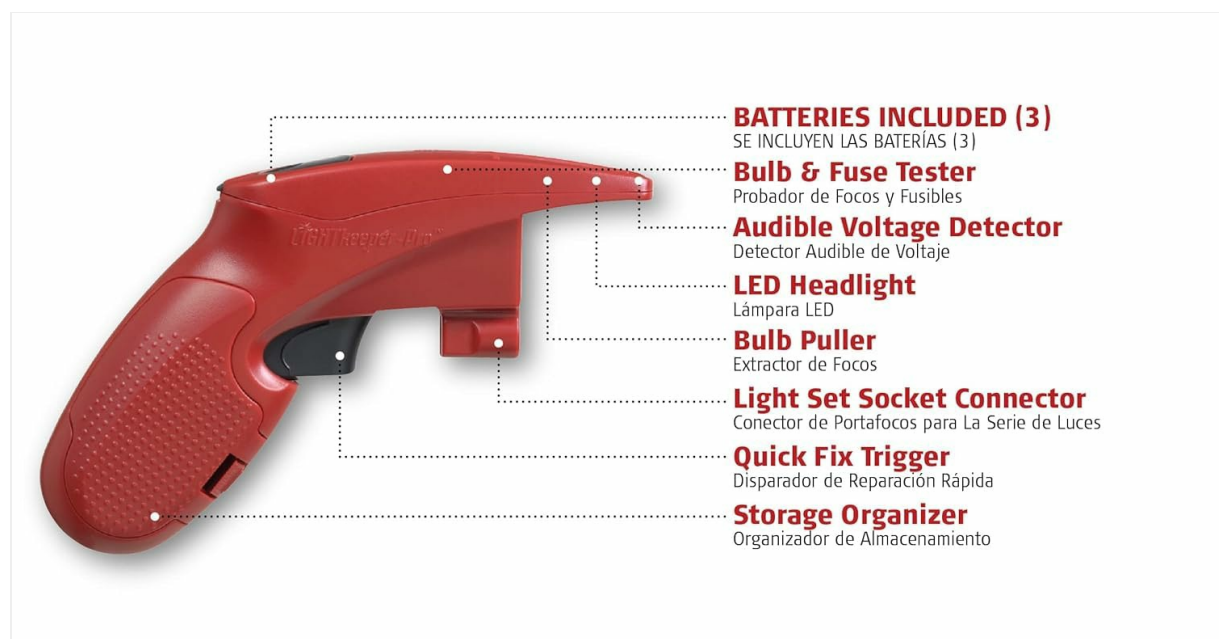


Image: A diagram of the LightKeeper Pro tool, highlighting and labeling its various components such as the Bulb & Fuse Tester, Audible Voltage Detector, LED Headlight, Bulb Puller, Light Set Socket Connector, Quick Fix Trigger, and Storage Organizer.

OPERATING INSTRUCTIONS

1. Quick Fix Method (for Shunted Bulbs)

This method is effective for light sets where a single non-working bulb causes the entire section to go out. This typically indicates a shunted bulb.

1. Ensure the light set is plugged into a power outlet.
2. Remove any bulb from the non-working section of the light set.
3. Plug the empty bulb socket into the LightKeeper Pro's Light Set Socket Connector.
4. Press and release the **Quick Fix Trigger** multiple times. The tool sends a pulse of electricity through the light set, which can repair the shunt in the faulty bulb, allowing the rest of the section to light up.
5. If the section lights up, replace the original bulb (or a new one) into the socket.



Image: A person's hands holding the red LightKeeper Pro tool, connecting it to a green wire of a Christmas light strand on a decorated tree.

2. Audible Voltage Detector (for Non-Shunted Bulbs or Locating Breaks)

Use this feature to locate the exact point where voltage stops flowing, indicating a break in the wire or a non-shunted faulty bulb.

1. Ensure the light set is plugged into a power outlet.
2. Activate the voltage detector by pressing the button or sliding the switch (refer to component diagram).
3. Move the tip of the LightKeeper Pro along the light strand.
4. The tool will emit an audible beep when voltage is detected. When the beeping stops, you have passed the point of interruption (e.g., a broken wire or a non-shunted bad bulb).
5. Inspect the bulbs and wiring between the last point of sound and the first point of no sound to identify the fault.

3. Bulb Tester

To test individual incandescent bulbs:

1. Locate the bulb test socket on the top of the tool.

2. Insert the bulb into the socket.
3. If the bulb lights up, it is functional. If it does not, the bulb is faulty and needs replacement.



Image: A top-down view of the LightKeeper Pro tool, clearly showing the bulb test slot and the fuse test slot with their respective labels.

4. Fuse Tester

To test fuses from your light set:

1. Locate the fuse test slot on the top of the tool.
2. Insert the fuse into the slot.
3. If the LED headlight on the tool illuminates, the fuse is good. If it does not, the fuse is blown and needs replacement.

5. Bulb Puller

The integrated bulb puller helps remove miniature incandescent bulbs from their sockets, especially if they are tight or difficult to grasp.

1. Position the bulb puller jaws around the base of the bulb.
2. Gently squeeze and pull the bulb straight out of the socket.

MAINTENANCE

Battery Replacement

Replace the three 1.5V Alkaline batteries (LR44, AG13, A76, or 357) when the tool's functions (LED headlight, audible detector) become weak or stop working. Follow the battery installation steps outlined in the "Setup" section.

Storage

Store the LightKeeper Pro in a cool, dry place away from direct sunlight and extreme temperatures. The tool includes a storage organizer for spare bulbs. Ensure the tool is clean before storage.

TROUBLESHOOTING

- **Tool Not Functioning:**

Check battery installation and ensure batteries are fresh. Replace if necessary. Ensure the tool is clean and free of debris.

- **Light Set Still Not Working After Quick Fix:**

The Quick Fix method is primarily for shunted bulbs. If the light set still doesn't work, use the Audible Voltage Detector to pinpoint a broken wire or a non-shunted faulty bulb. Test individual bulbs with the Bulb Tester. Replace any faulty bulbs or fuses.

- **Audible Voltage Detector Not Beeping:**

Ensure the light set is plugged in and receiving power. Check the tool's batteries. The detector may not beep if there is no voltage in the section being tested.

For further assistance, refer to the support information provided or visit the manufacturer's website.

SPECIFICATIONS

Model	230566
Brand	LIGHT KEEPER PRO

Power Source	3 x 1.5V Alkaline Batteries (LR44, AG13, A76, or 357)
Light Source Type (for repair)	Incandescent
Material	Acrylonitrile Butadiene Styrene
Indoor/Outdoor Usage	Indoor
Controller Type	Button Control

WARRANTY AND SUPPORT

Warranty Information

For detailed warranty information, please refer to the manufacturer's official website or contact their customer support directly. Warranty terms and conditions may vary.

Customer Support

If you require further assistance or have questions regarding your LightKeeper Pro tool, please contact:

- **Phone:** 888-858-2548
- **Website:** UltraLit.com
- **Instructional Videos:** LightKeeperPro.com

Manufacturer: Ultra-Lit Tree Company, Glenview, IL 60025