

## Lennox 83M00 LB-109531A

# Lennox 83M00 LB-109531A Sure Light Replacement Kit Instruction Manual

Model: 83M00 LB-109531A

## INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the Lennox 83M00 LB-109531A Sure Light Replacement Kit. This kit contains all components required to replace an existing single-stage SureLight® ignition control in a Lennox gas furnace. Adherence to these instructions is crucial for safe and efficient operation.

## SAFETY INFORMATION

### WARNING

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Installation and service must be performed by a licensed professional HVAC installer (or equivalent), a qualified service agency, or the gas supplier.

### CAUTION

As with any mechanical equipment, personal injury can result from contact with sharp sheet metal edges. Exercise caution when handling this equipment.

## KIT COMPONENTS OVERVIEW

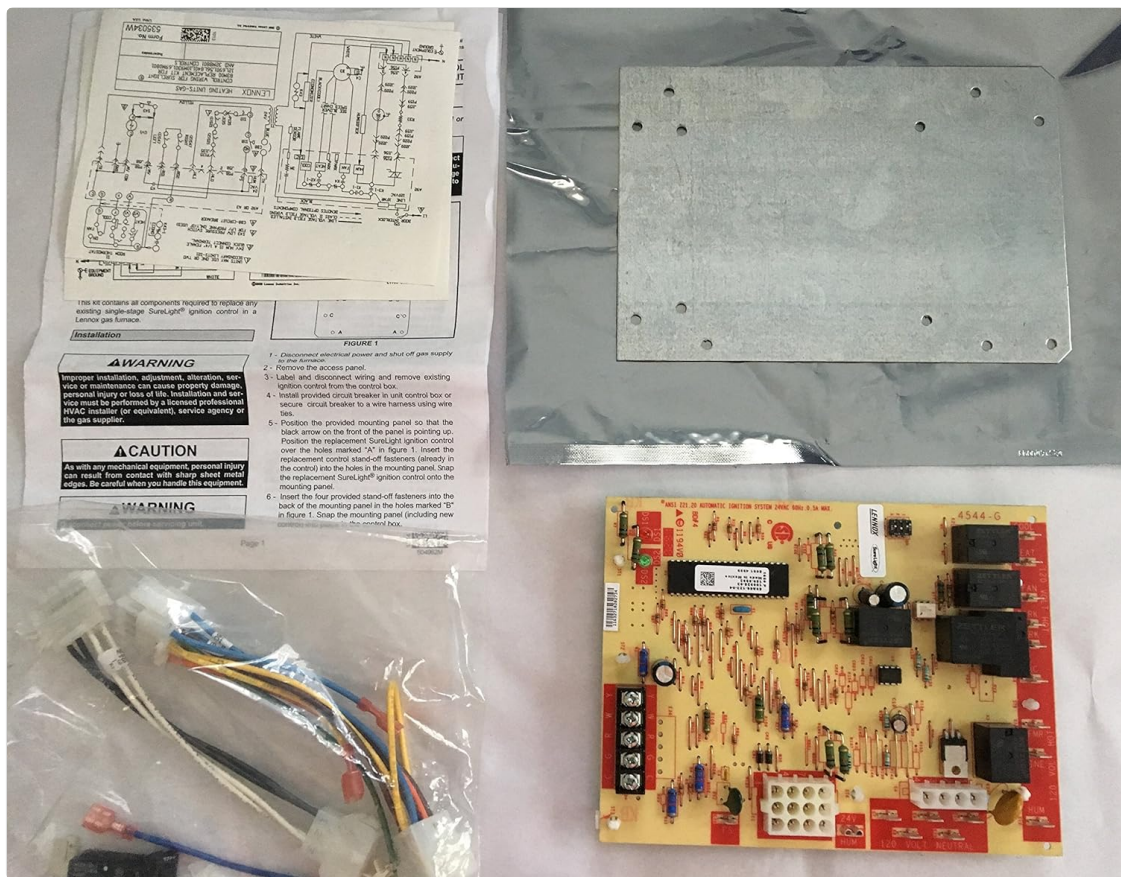


Figure 1: The image displays the complete Lennox 83M00 LB-109531A Sure Light Replacement Kit. Visible components include the instruction manual with wiring diagrams, a metal mounting plate, a wiring harness with various connectors, and the main SureLight ignition control circuit board (4544-G).

## INSTALLATION INSTRUCTIONS

Follow these steps carefully for proper installation:

1. Disconnect electrical power and shut off the gas supply to the furnace before beginning any work.
2. Remove the furnace access panel to gain access to the control area.
3. Carefully label and disconnect all wiring from the existing ignition control. Then, remove the existing ignition control from its mounting in the control box.
4. Install the provided circuit breaker in the unit control box or secure the circuit breaker to a wire harness using wire ties.
5. Position the provided mounting panel so that the black arrow on the front of the panel is pointing upwards. Align the replacement SureLight ignition control over the holes marked "A" in Figure 1 (refer to the manual's diagram). Insert the replacement control stand-off fasteners (which are already integrated into the control) into the corresponding holes in the mounting panel. Snap the replacement SureLight® ignition control securely onto the mounting panel.
6. Insert the four provided stand-off fasteners into the back of the mounting panel, aligning them with the holes marked "B" in Figure 1. Snap the mounting panel (including the newly installed control) into the control box.

## OPERATION

Once properly installed by a qualified professional, the Lennox Sure Light Replacement Kit operates automatically to control the ignition sequence of your gas furnace. The control board manages the flow of electricity and gas to ensure safe and efficient furnace startup and operation. No direct user interaction is typically required for its operation.

## MAINTENANCE

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The Lennox 83M00 LB-109531A Sure Light Replacement Kit is designed for reliable, long-term operation with minimal maintenance. Regular maintenance of the overall furnace system by a qualified HVAC technician is recommended to ensure all components, including the ignition control, are functioning correctly. This typically involves annual inspections and cleaning of the furnace.

## TROUBLESHOOTING

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If the furnace experiences ignition issues after the installation of this kit, consult a qualified HVAC technician. Common issues related to ignition controls often require specialized diagnostic tools and knowledge. Ensure all wiring connections are secure and that the furnace is receiving proper power and gas supply. Refer to the furnace's main instruction manual for specific troubleshooting steps related to the overall heating system.

## SPECIFICATIONS

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- **Brand:** Lennox
- **Model:** 83M00 LB-109531A
- **Unit Count:** 1.0 Count
- **Number of Items:** 1
- **Item Package Quantity:** 1
- **Item Weight:** 0.01 Ounces
- **ASIN:** B00Y1PIQ56
- **Date First Available:** May 21, 2015
- **Automatic Ignition System:** 24VAC 60Hz, 0.5A MAX (as per circuit board label)

## WARRANTY INFORMATION

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For specific warranty details regarding the Lennox 83M00 LB-109531A Sure Light Replacement Kit, please refer to the documentation provided with your original furnace or contact Lennox customer support directly. Warranty terms typically cover manufacturing defects under normal use conditions.

## CUSTOMER SUPPORT

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If you require technical assistance, have questions about installation, or need to report an issue, please contact Lennox customer support or your authorized Lennox dealer. Ensure you have your product model number (83M00 LB-109531A) and any relevant purchase information available when contacting support.

