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› Lennox Surelight Ignition Control Board Replacement Kit 19V36 User Manual

Lennox 19V36

Lennox Surelight Ignition Control Board Replacement Kit 19V36 User Manual

Model: 19V36

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1. INTRODUCTION

This manual provides essential information for the safe and correct installation, operation, and maintenance of your Lennox Surelight Ignition Control Board Replacement Kit, model 19V36. This genuine OEM (Original Equipment Manufacturer) part is designed for specific Lennox heating systems. Please read this manual thoroughly before proceeding with any installation or service.



Figure 1: Lennox Surelight Ignition Control Board Replacement Kit 19V36. This image shows the control board with various connectors and components.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect electrical power to the heating system before installing or servicing the control board.
- Turn off the gas supply to the appliance before beginning any work.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Verify proper operation after installation to prevent gas leaks or electrical hazards.

3. PACKAGE CONTENTS

Your Lennox Surelight Ignition Control Board Replacement Kit 19V36 package should contain the following items:

- One (1) Lennox Surelight Ignition Control Board (Model 19V36)
- Installation Guide / Wiring Diagram (*Refer to this guide for specific wiring instructions and migration matrix if replacing an older board model.*)

4. SETUP & INSTALLATION

Installation of the ignition control board requires technical expertise. It is strongly recommended that this procedure be performed by a certified HVAC technician.

General Installation Steps:

1. **Power Disconnection:** Turn off all electrical power to the furnace or heating system at the main service panel. Verify power is off using a voltage tester.
2. **Gas Shut-off:** Turn off the gas supply to the appliance.
3. **Access Control Board:** Locate and open the furnace access panel to expose the existing control board.
4. **Document Wiring:** Before disconnecting any wires, take clear photographs or make detailed diagrams of all existing wiring connections to the old control board. Pay close attention to wire colors and terminal labels.
5. **Disconnect Old Board:** Carefully disconnect all wires and mounting screws from the old control board. Remove the old board.
6. **Install New Board:** Mount the new Lennox 19V36 control board in the same location as the old one, securing it with appropriate fasteners.
7. **Connect Wiring:** Refer to your documented wiring and the installation guide provided with the new board. Connect all wires to the corresponding terminals on the new 19V36 board. Ensure all connections are tight and secure. *Note: Some older board models may have different terminal labels. The provided installation guide will include a migration matrix to assist with correct wiring.*
8. **Close Access Panel:** Once all connections are verified, close and secure the furnace access panel.
9. **Restore Gas & Power:** Turn on the gas supply to the appliance. Restore electrical power to the furnace at the main service panel.
10. **Test Operation:** Initiate a heating cycle to verify the furnace operates correctly. Observe the ignition sequence and ensure the burner ignites and operates as expected.

5. OPERATION

The Lennox Surelight Ignition Control Board 19V36 is an automatic component designed to manage the ignition sequence and safe operation of your furnace. Once correctly installed, its operation is integrated into the furnace's overall control system.

Normal Operation Sequence:

- Upon a call for heat from the thermostat, the control board initiates the sequence.
- The inducer motor starts, clearing any residual combustion gases.
- The pressure switch closes, signaling the control board that proper airflow is established.
- The igniter (hot surface igniter or spark igniter) is energized by the control board.

- After a pre-purge period, the gas valve opens, allowing gas to flow to the burners.
- The igniter ignites the gas.
- A flame sensor detects the flame, signaling the control board to keep the gas valve open and de-energize the igniter.
- After a short delay, the main blower motor starts, circulating heated air.
- When the thermostat's call for heat is satisfied, the control board reverses the sequence, shutting down the gas valve and blower.

Any deviation from this sequence or error codes displayed on the furnace (if applicable) may indicate an issue requiring professional diagnosis.

6. MAINTENANCE

The Lennox Surelight Ignition Control Board 19V36 itself typically does not require routine user maintenance. Its longevity is primarily dependent on the overall health and proper functioning of the entire HVAC system.

General System Maintenance Recommendations:

- **Annual Professional Inspection:** Have your entire heating system inspected and serviced by a qualified HVAC technician annually. This ensures all components, including the control board, are operating within specifications.
- **Air Filter Replacement:** Regularly replace or clean your furnace's air filter as recommended by the furnace manufacturer. A clogged filter can restrict airflow, leading to overheating and potential stress on electrical components.
- **Keep Area Clear:** Ensure the area around your furnace is clear of obstructions and combustible materials to allow for proper airflow and safe operation.
- **Check Vents:** Ensure all supply and return air vents in your home are unobstructed.

7. TROUBLESHOOTING

If your furnace is not operating correctly after installing the Lennox Surelight Ignition Control Board 19V36, consider the following common issues. For complex problems, always consult a qualified HVAC technician.

Problem	Possible Cause	Solution
Furnace not starting / No heat	No power to furnace	Check circuit breaker.
	Thermostat issue	Ensure thermostat is set to heat and fan is on auto.
	Gas supply off	Verify gas valve is open.
	Incorrect wiring	Re-check all wiring connections against the diagram.
	Safety lockout	Cycle power to reset the board (turn off for 30 seconds, then on).
Burners not igniting	No gas flow	Verify gas valve is open.
	Faulty igniter	Inspect igniter for cracks or damage (<i>requires professional assessment</i>).
	Dirty flame sensor	Clean flame sensor (<i>requires professional assessment</i>).
	Pressure switch issue	Check for blockages in flue or intake (<i>requires professional assessment</i>).

Problem	Possible Cause	Solution
Intermittent operation	Loose wiring connections	Ensure all connections are secure.
	Draft issues	Check for proper venting and combustion air.
	Component failure	Contact a qualified technician for diagnosis.

Many modern furnaces have diagnostic lights on the control board that flash specific codes to indicate problems. Consult your furnace's specific manual for interpreting these codes.

8. SPECIFICATIONS

Feature	Detail
Model Number	19V36
Brand	Lennox
Part Type	Ignition Control Board Replacement Kit
Product Dimensions	13 x 11 x 7 inches
Item Weight	1.25 pounds
Manufacturer	Lennox
Compatibility	Designed for specific Lennox heating systems (refer to your furnace manual for exact compatibility).

9. WARRANTY & SUPPORT

As a genuine OEM (Original Equipment Manufacturer) part, the Lennox Surelight Ignition Control Board 19V36 is covered by Lennox's standard warranty for replacement parts. Specific warranty terms and duration may vary. Please retain your proof of purchase.

For Warranty Claims and Technical Support:

- Contact your authorized Lennox dealer or the professional HVAC technician who installed the part.
- Visit the official Lennox website for customer service contact information.
- Have your product model number (19V36) and proof of purchase readily available.

Lennox provides products that are widely used in the foodservice industry and residential HVAC, ensuring quality and reliability.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question