

INSTALLATION INSTRUCTION FOR SURELIGHT IGNITION BOARD REPLACEMENT KIT (97L48) TO REPLACE SURELIGHT IGNITION CONTROL BOARDS

Shipping & Packing List

Package 1 of 1 contains

- 1 - SureLight™ ignition control board

Shipping Damage

Check all equipment for shipping damage. If you find any damaged equipment, immediately contact the last carrier.

Application

This kit replaces 24L8501, 56L8301, 63K8901 and 97L4801 ignition control boards. G24M-10, G26-3, G26-4, and G27M-1 furnaces that are equipped with a 63K8901 control board must be modified to accommodate the replacement SureLight™ ignition board. (See installation section.)

Installation

Upflow and horizontal applications (G24M-10, G26-3, G26-4 and G27M-1)

G24M-10 and G27M-1

- 1 - Turn off the electrical power and gas supply to the furnace.
- 2 - Remove the access panel.
- 3 - Mark and disconnect the wires from the existing ignition control.
- 4 - Remove the existing ignition control from the panel.
- 5 - Use template 3 to drill new mounting holes for the replacement SureLight™ ignition control board. Align the holes marked "A" with the existing mounting holes. Tape the template to the mounting bracket.
- 6 - Use a 3/16" bit to drill five new mounting holes through the "C" positions on the template. The new holes will be 1" to the right of the original holes.

NOTE - The holes must be precisely positioned to ensure that the mounting tabs match them.

- 7 - Use tape to cover the original holes to prevent air leaks between the controls/burner area and the blower compartment.

- 8 - Align the replacement SureLight™ ignition board with the mounting holes. Snap the board into place.
- 9 - Reconnect the marked wires onto the replacement control board.
- 10 - Replace the access panel.
- 11 - Restore the electrical power and gas supply. Refer to the furnace installation instructions for start-up and check-out procedures.

G26-3 and G26-4

- 1 - Turn off the electrical power and gas supply.
- 2 - Remove the access panel and the ignition control cover.
- 3 - Mark and disconnect the wires from the existing ignition control.
- 4 - Remove the ignition control from the panel.
- 5 - Align the replacement SureLight™ ignition board with the mounting holes. Snap the board into place.
- 6 - Reconnect the marked wires onto the replacement control board.
- 7 - Cut an additional 1/4" notch from the bottom of the ignition control cover. See figure 1.

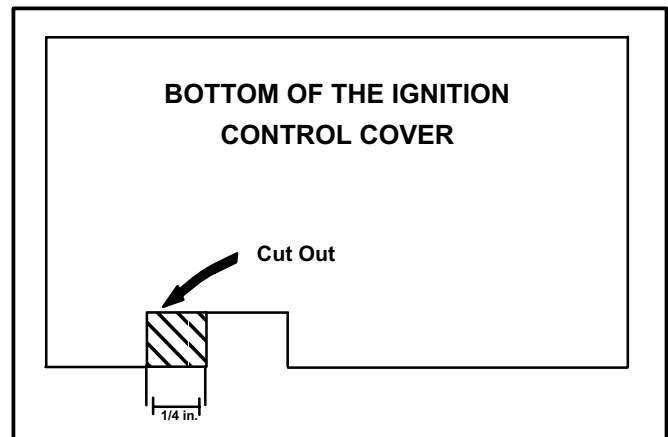


FIGURE 1

- 8 - Replace the ignition control cover and access panel.
- 9 - Restore the electrical power and gas supply. Refer to the furnace installation instructions for start-up and check-out procedures.

Downflow applications

(G24M-10, G27M-60-1, G27M-75-1, G27M-100-1 and G27M-120-1)

- 1 - Turn off the electrical power and gas supply to the furnace.
- 2 - Remove the access panel.
- 3 - Mark and disconnect the wires from the existing ignition control.
- 4 - Remove the existing ignition control from the panel.
- 5 - **G24M-10**

Use template 1 to drill new mounting holes for the replacement SureLight™ ignition control board. Align the holes marked "A" with the existing mounting holes. Tape the template to the mounting bracket.

Use a 3/16" bit to drill five new mounting holes through the "B" positions on the template. The new holes will be 5/8" (16 mm) above the original holes.

G27M-100-1 and G27M-120-1

Use template 3 to drill new mounting holes for the replacement SureLight™ ignition control board. Align the holes marked "A" with the existing mounting holes. Tape the template to the mounting bracket.

Use a 3/16" bit to drill five new mounting holes through the "C" positions on the template. The new holes will be 1" to the right of the original holes.

G27M-60-1 and G27M-75-1

Use template 1 to drill new mounting holes for the replacement SureLight™ ignition control board. Align the holes marked "A" with the existing mounting holes. Tape the template to the mounting bracket.

Use a 3/16" bit to drill five new mounting holes through the "B" positions on the template. The new holes will be 5/8" (16 mm) above the original holes.

NOTE - The new holes must be precisely positioned, so that the mounting tabs match them.

NOTE - The two-stage control must be moved to accommodate the replacement SureLight™ ignition control board.

Use template 2 to drill new mounting holes for the two-stage control board. Align the holes marked "A" with the existing mounting holes. Tape the template to the mounting bracket.

Use a 3/16" bit to drill four new mounting holes for the existing two-stage control. The new holes will be 3/8" (10 mm) above the original mounting holes for the two-stage control.

The strain relief opening for the motor lead (which is routed through the panel from the blower compartment) must be relocated. Use a 7/8" (22.2 mm) bit to drill a hole 2" to the right of the existing knockout. When you have relocated the strain relief, secure the motor leads in place as you route them through the panel. Also, ensure that there are no gaps around the strain relief or the motor leads.

- 6 - Use tape to cover the original holes to prevent air leaks between the controls/burner area and the blower compartment.
- 7 - Align the replacement SureLight™ ignition control board with the mounting holes. Snap the board into place.
- 8 - Reconnect the marked wires onto the replacement SureLight™ control board.
- 9 - Replace the access panel.
- 10 - Restore the electrical power and gas supply. Refer to the furnace installation instructions for start-up and check-out procedures.

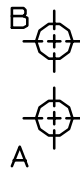
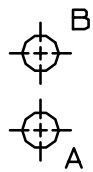
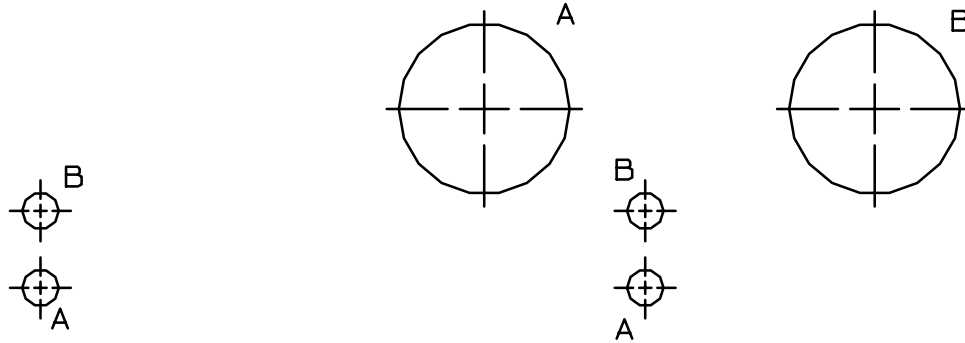
TEMPLATE 1
Replacement SureLight Control G24M-10, G27M-60-1, & G27M-75-1 (Downflow)



* "A" Existing mounting holes

"B" Use 3/16 in. bit to drill mounting holes for the replacement SureLight board.

TEMPLATE 2
Relocation of the existing two-stage control
for G27M-60-1 & G27M-75-1 (Downflow)



* "A" Existing mounting holes

"B" Drill required holes to relocate existing two-stage control.

TEMPLATE 3
Replacement SureLight Control G24M-10 &
G27M-1 (Upflow/Horizontal) or G27M-100-1 or G27M-120-1 (Downflow)



* "A" Existing mounting holes
"C" Use 3/16 in. bit to drill mounting holes for the replacement SureLight board.