

B1809911S

B1809911 FAN CONTROL BOARD REPLACEMENT KIT INSTRUCTIONS

Goodman Manufacturing Company, L.P. © 2006
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Description

These instructions describe how to replace the B1809911 Fan Control Board with the B1809911S service replacement kit.

Contents needed from kit:

- B1809911 board
- IO-676
- (1) 1/4" straight terminal
- (4) # 6 screws

Attention Installing Personnel

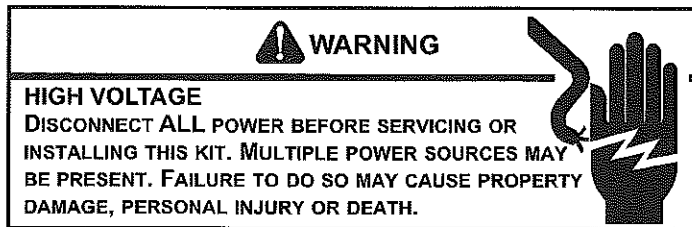
As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.



New B1809911S Replacement Control Installation

NOTE: Discard the wire harness supplied with the kit.

Connection points and wire colors are same as the existing B1809911 control board, except as noted below. The existing wiring diagram may be used as a guide in installing the new replacement board.

1. Hold new control to the left of the original mounting holes approximately 1/4" to 1/2" and mark location of the 4 new mounting holes.
2. Using a 7/64" bit, drill the 4 new mounting holes for the new B1809911S replacement control board.
3. Install the new control board with the 4 phillips head screws provided in the kit.
4. Replace the wires that were removed from terminals R, W, Y, G, and C of the existing B1809911 control board by cutting the spade terminal from the wire, stripping 3/8" insulation and inserting in the corresponding screw terminals on the new control board.
5. Cut the 3/16" spade terminal from the wire that went to C on the XFMR terminal on the B1809911 control board. Install the supplied 1/4" spade terminal and install the wire on the XFMR C terminal on new board.
6. All the remaining wires from the existing B1809911 control board will go to the corresponding terminals on the new control board.

NOTE: The 4 dip switches must remain in the factory set position (switches 1 and 2 in the OFF position, switches 3 and 4 in the ON position).

Operational Reminders

Perform the following checks to ensure the unit is operating properly.

1. Check the supply and manifold gas pressures and make necessary adjustments as needed.
2. Inspect the main burner flames. They should be stable and blue. They should not be yellow in color. They should extend directly outward from the burner ports without curling downward, floating or lifting off the ports.
3. Check for leaks at the gas valve and burner orifices with a soap solution.
4. Ensure that all wire connections are secured and tight. Wires must not interfere with main burner operation or contact high temperature surfaces.
5. Verify the unit cycles on and cycles off properly.

Existing B1809911 Control Removal

1. Disconnect the electrical power supplied to the unit and verify power is off with a volt meter before servicing.
2. Remove and label the wires from the B1809911 control board.
3. Remove the existing B1809911 control board and plastic standoffs.

