



#555 CIRCULATING FAN KIT

INSTALLATION and OPERATING INSTRUCTIONS

CSA approved for use only with:

Valor model 530, RetroFire RF24 and Madrona MF28

Note: This kit must be installed or serviced by a qualified installer, service agency or the gas supplier. These instructions are to be used in conjunction with the main installation instructions for the above listed models.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

GROUNDING: This power supply must be installed and grounded in accordance with local codes, or in the absence of local codes, with the current Canadian Electrical Code CSA C22.1. or in the USA the National Electrical Code ANSI/NFPA70 latest edition.

1. DESCRIPTION OF SYSTEM

The Models listed above have been designed to accommodate the installation of an air circulation fan. Operated by a variable speed control and a thermally actuated switch, a fan is designed to boost the natural convection through the heater; this may be a desirable feature dependent on the fireplace location and room layout. The circulating fan may be installed before the heater

2. ELECTRICAL REQUIREMENTS

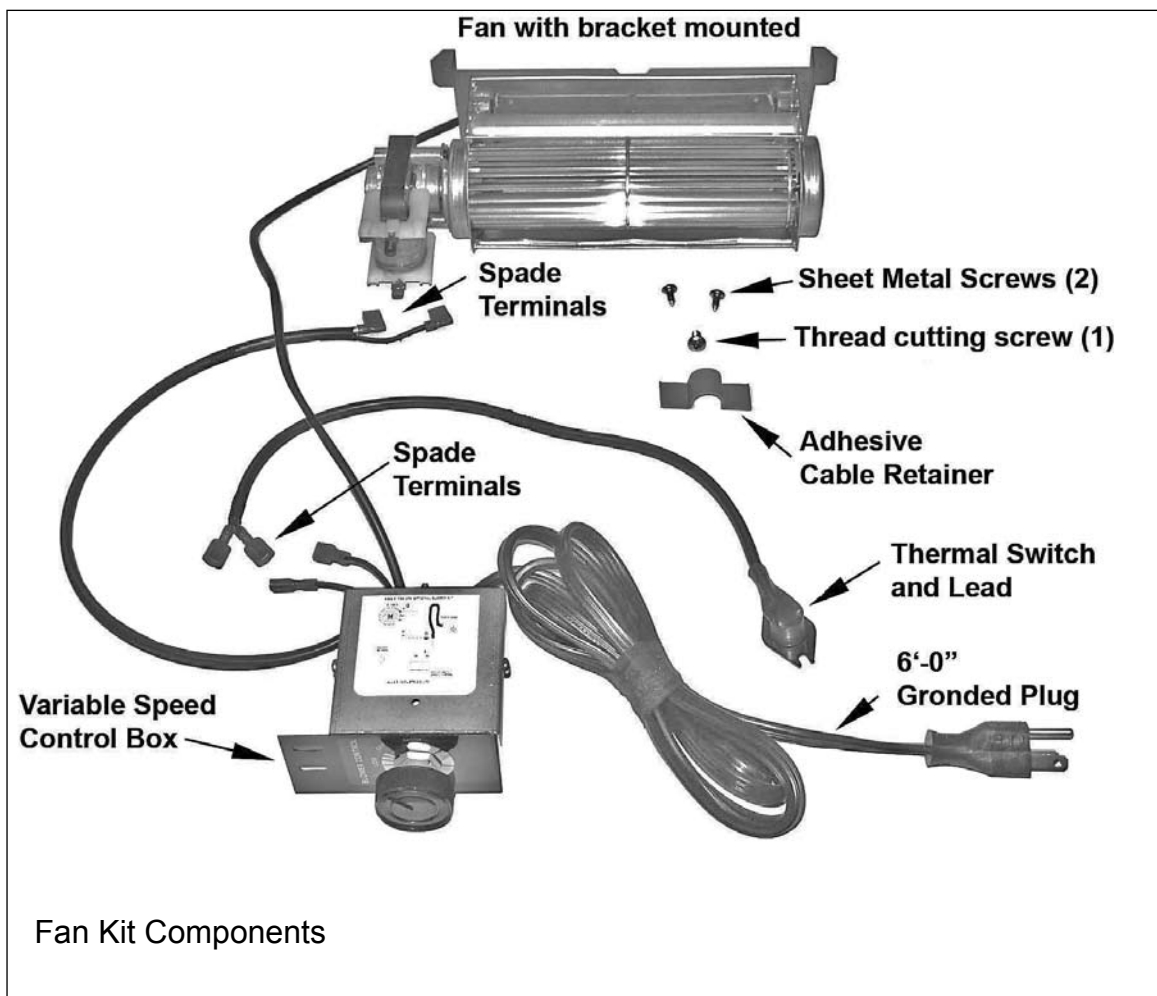
The fan kit requires a power supply of **120 Volts, 1 phase, 60 Hz. Full load current is less than 1 amp.**

This power supply must be installed and grounded in accordance with local codes, or in the absence of local codes, with the current Canadian Electrical Code CSA C22.1. or in the USA the National Electrical Code ANSI/NFPA70 latest edition.

3. FAN KIT COMPONENTS

The complete #555CFK Kit contains the following:

- Blower & motor unit assembled to blower mounting bracket c/w wiring harness, speed control junction box, thermal sensor switch and 6' cord set.
- Control box mounting screw and cable retainer.
- Unit mounting screws (2).

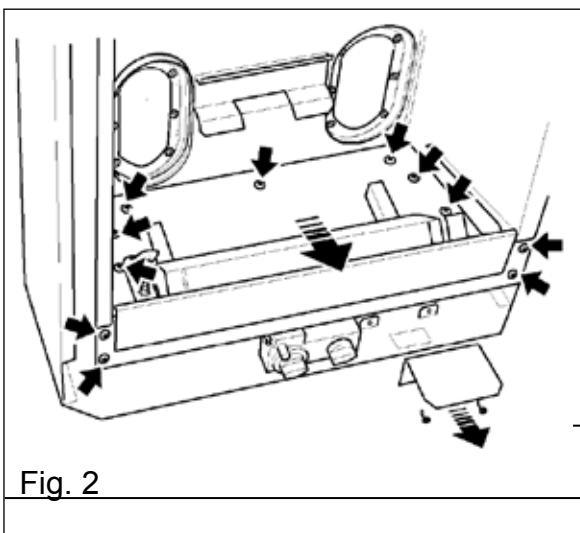
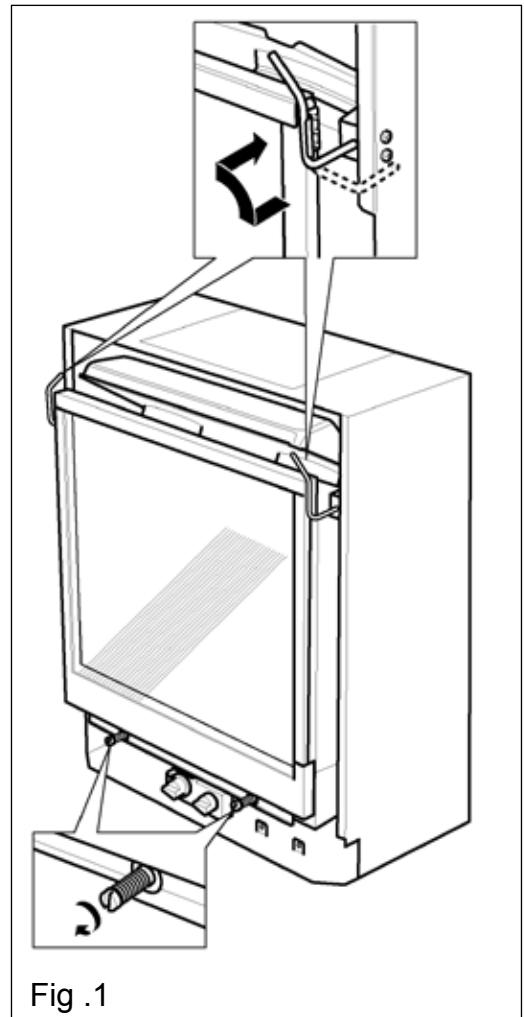


4. INSTALLATION - VALOR MODEL 530

- Remove heater front face and set aside, if fitting this kit to a freestanding model then stove top needs to be removed before the front. (Refer to fireplace installation instructions.)
- Shut off gas supply to the fireplace and disconnect the gas line.

NOTE: Ensure that the metal base of the fireplace enclosure is supported.
If the metal base can flex up and down, it may be a source of vibration noise when the blower unit is installed.
Now is the time to correct this.

- Release the top of the window by pulling forward and rotating outwards two bars at the top corners. See figure 1.
- Unscrew the two spring-loaded bolts securing the bottom of the window (see Fig. 1).
- Remove all ceramics from the firebox.
- Carefully lift the window. Keep the window and bolts in a safe place.
- Detach the burner module by removing 11 screws (see Fig. 2).



4. INSTALLATION - VALOR MODEL 530 (cont.)

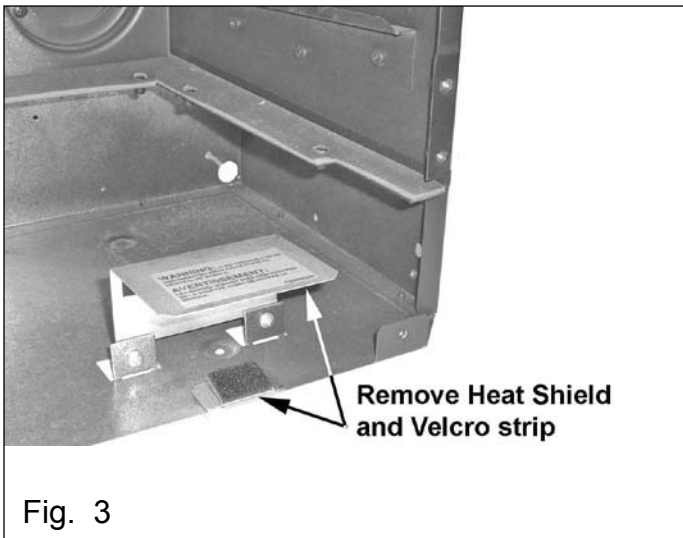


Fig. 3

- Fasten Motor Control and Heat Shield to single tab (see Fig. 5).

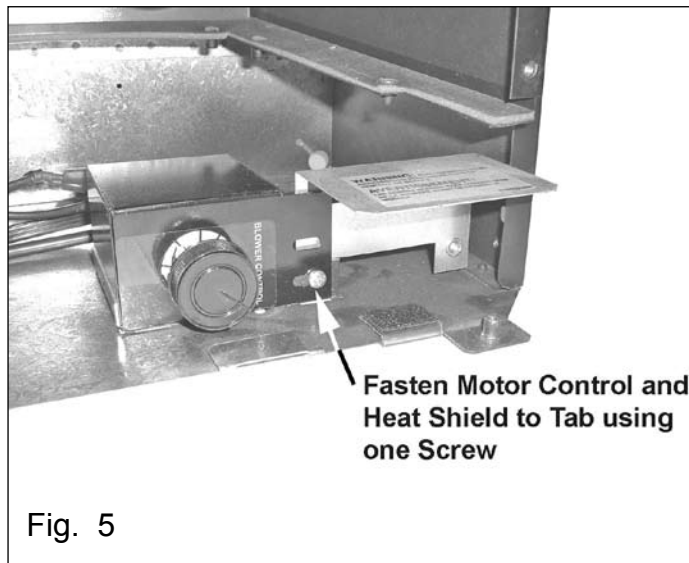


Fig. 5

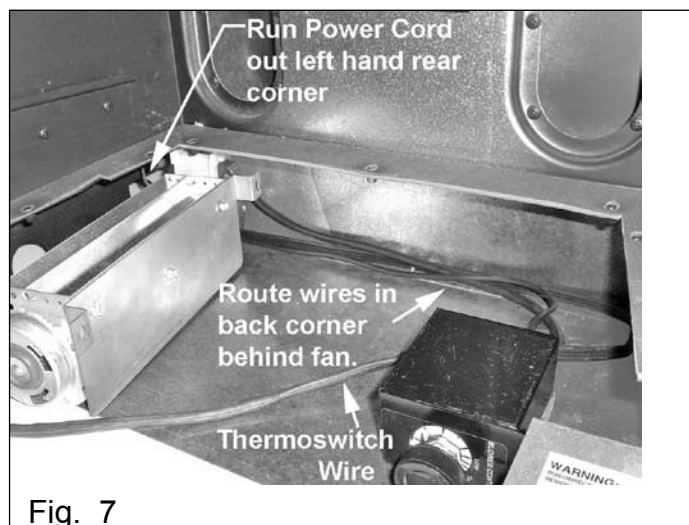


Fig. 7

- Remove Heat Shield and Velcro Strip (see Fig. 3).
- Move Velcro Strip to the right and bend 2 sheet metal tabs down flat (see Fig. 4).

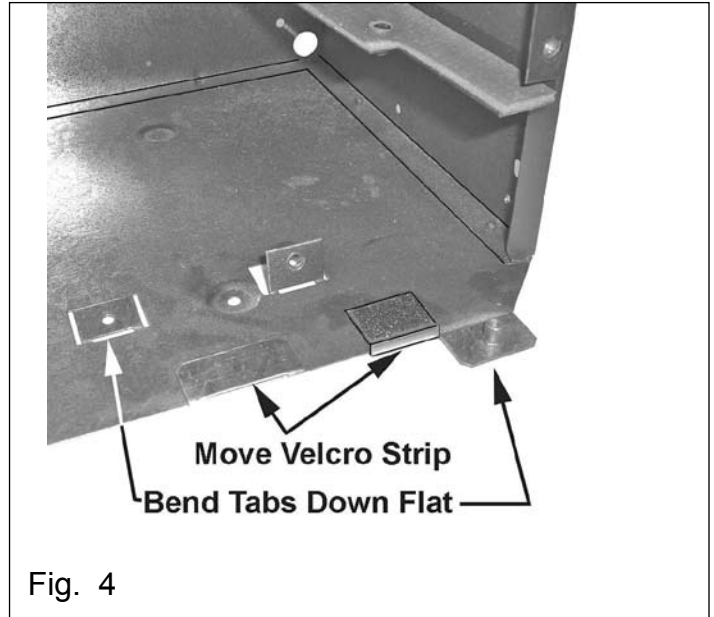


Fig. 4

- Break off threaded nut from tab to allow room for Remote Receiver (see Fig. 6).

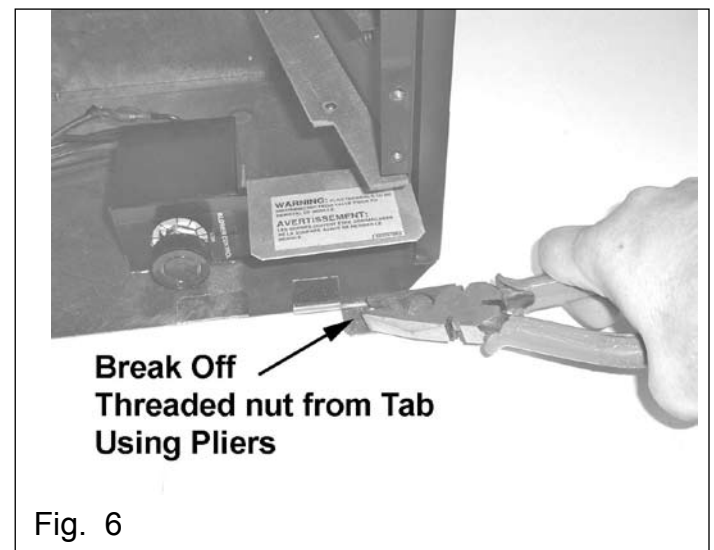


Fig. 6

- Feed the power cord out through the opening in the rear left corner of the heater. Tuck wires in back corner so they will be behind the blower unit when installed (see Fig. 7).

4. INSTALLATION - VALOR MODEL 530 (cont.)

- Fit the blower unit by placing it into the rear of the liner box (with the wires running behind) and secure to the rear wall using the two screws provided (see Fig. 8).
- Secure the thermally actuated switch to the side of the firebox using 2 screws (see Fig. 9).

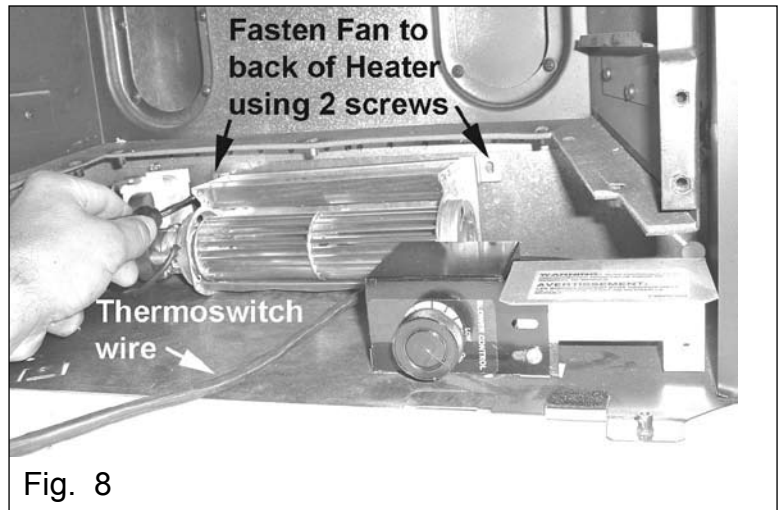
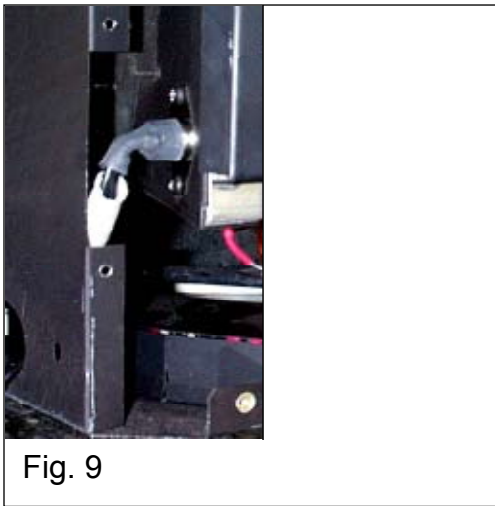


Fig. 8

- Use the U shaped self-adhesive cable retainer to hold the thermoswitch wiring to the floor of the appliance and away from the fan inlet (see Fig. 10).

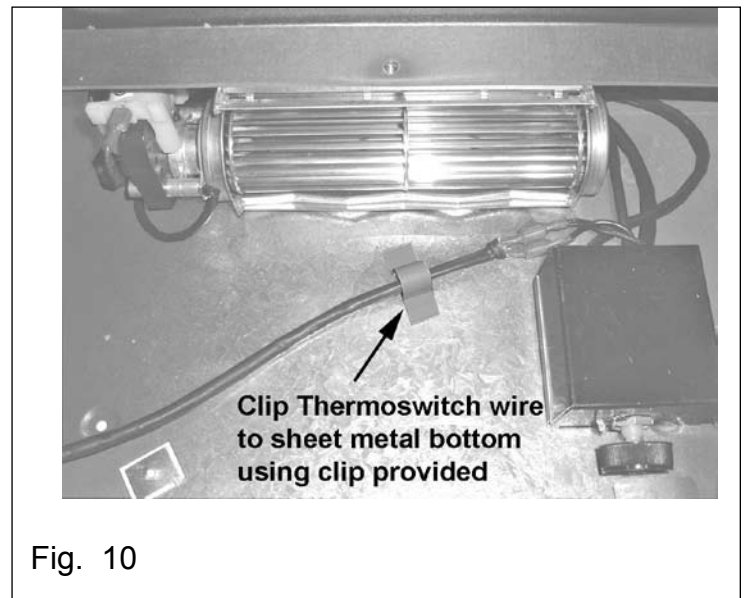


Fig. 10

- Although the blower and controls are factory tested to ensure blower operation, a check should be performed at this point prior to reassembling the fireplace.

Before energizing the control box, manually bypass the thermal switch with a jumper either at the switch or at the spade terminals (be careful not to short out if a non-insulated jumper is used). Plug in power cord to energize the control box. Rotate the control knob and check that the fan operates correctly at all speeds. Once verified, disconnect power, remove jumper, and reconnect thermoswitch wires.

- Re assemble the fireplace.
- Place the Remote Receiver under the heat shield and run wiring to the valve as per instructions (see Fig. 11).

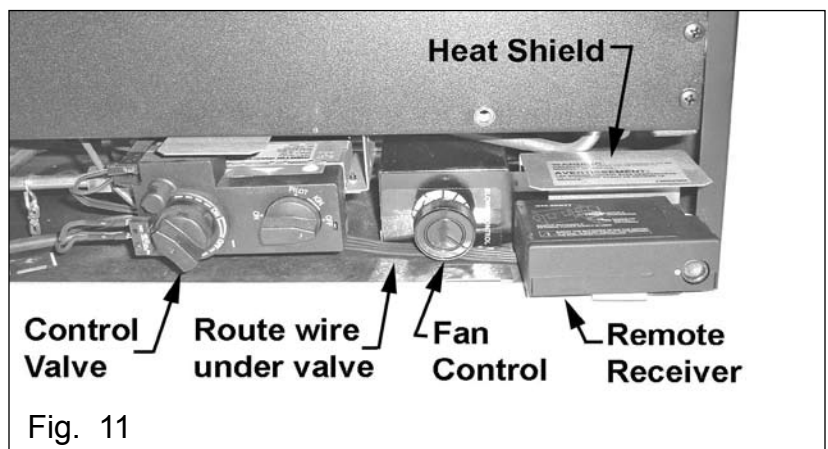


Fig. 11

5. INSTALLATION - RETROFIRE MODEL RF24

- Remove and reinstall the Fan Mounting Bracket to the fan assembly reversed (see Fig. 12 & 13). (The mounting bracket is supplied set up for heater model 530 application).

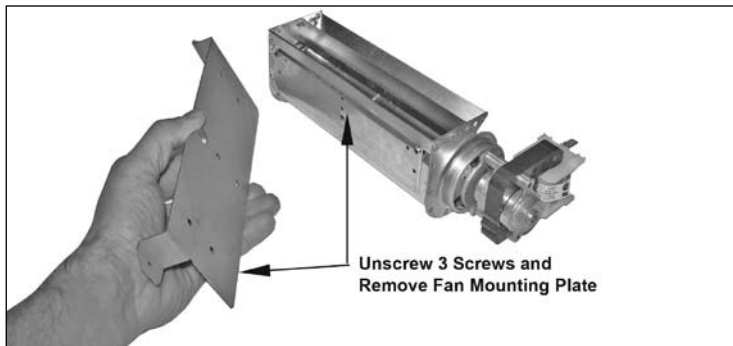


Fig. 12 Remove Fan Bracket

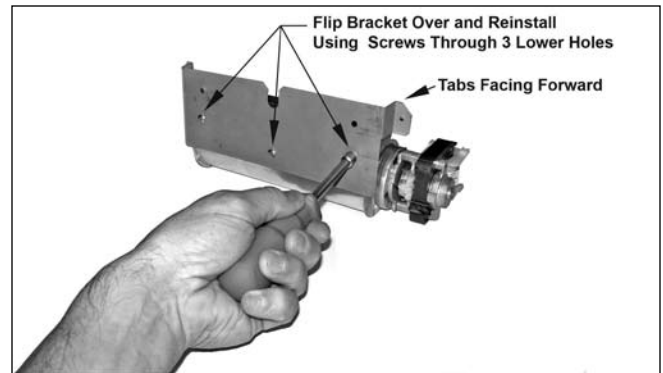


Fig. 13 Reinstall Fan Bracket Reversed

- With Burner Module removed, install fan unit into rear convection channel on heater (see Fig. 14).

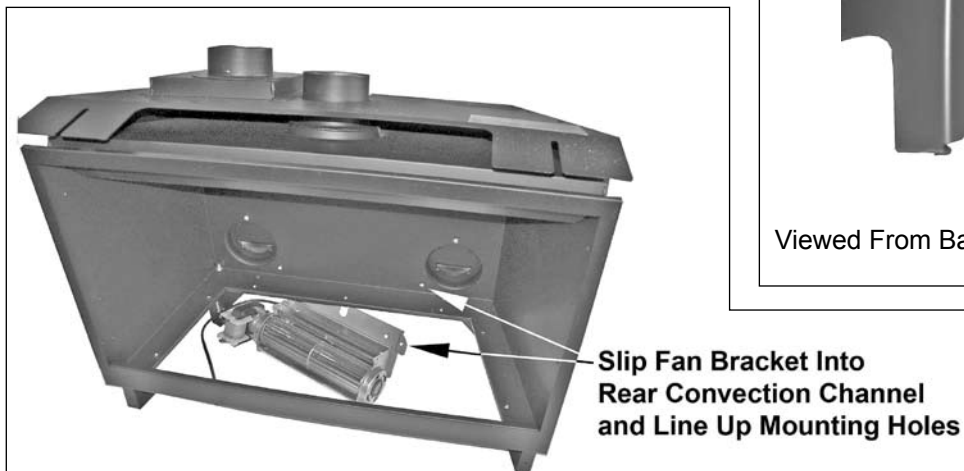


Fig. 14 Install Fan and Bracket Into Rear Convection Channel



Viewed From Back Side

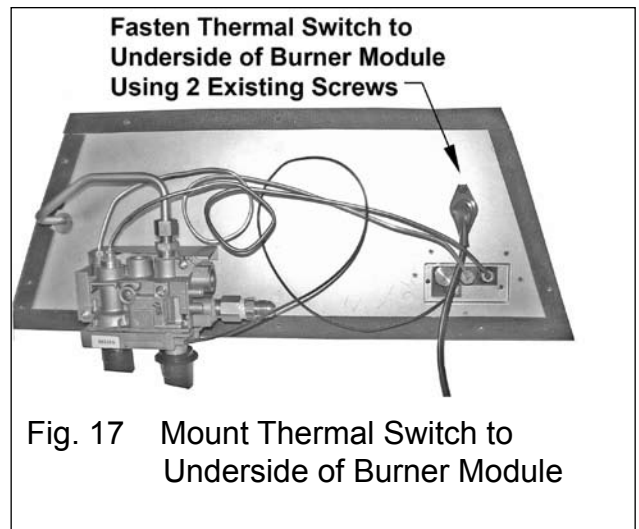
- Line up screw holes and secure fan assembly using 2 screws (see Fig. 15).



Fig. 15 Secure Fan Bracket Using 2 Screws

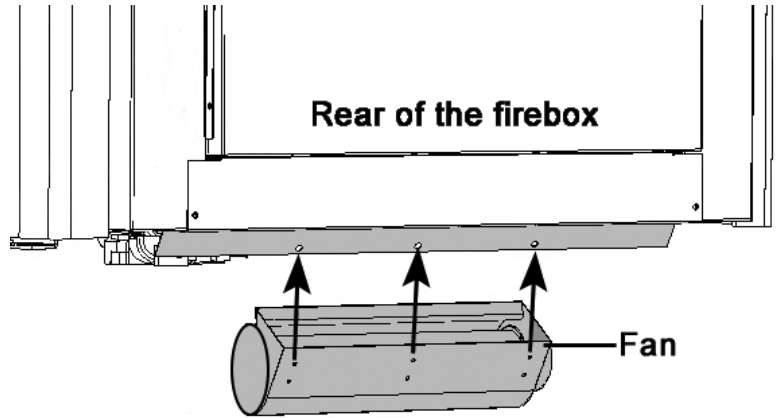
5. INSTALLATION - RETROFIRE MODEL RF24 (cont.)

- Fasten Fan Control Box to Lower Right Hand support Leg (see Fig. 16). (Control box may alternatively be flipped over and secured to the left hand support leg if desired.)
- Fasten Thermal Switch to underside of Burner Module using 2 screws (see Fig. 17).
- Although the blower and controls are factory tested to ensure proper operation, a check should be performed at this point prior to reassembling the fireplace.
- Before energizing the control box, manually bypass the thermal switch by placing a wire jumper into the spade terminals (be careful not to short out if a non-insulated jumper is used). Plug in power cord to energize the control box. Rotate the control knob to confirm the fan operates correctly at all speeds. Once verified, disconnect the power cord and remove the jumper.
- Position the Burner Module in the Firebox and connect the Thermal Switch leads to the spade terminals from the control box.
- Continue with the Fireplace installation following the manual packed with the heater.

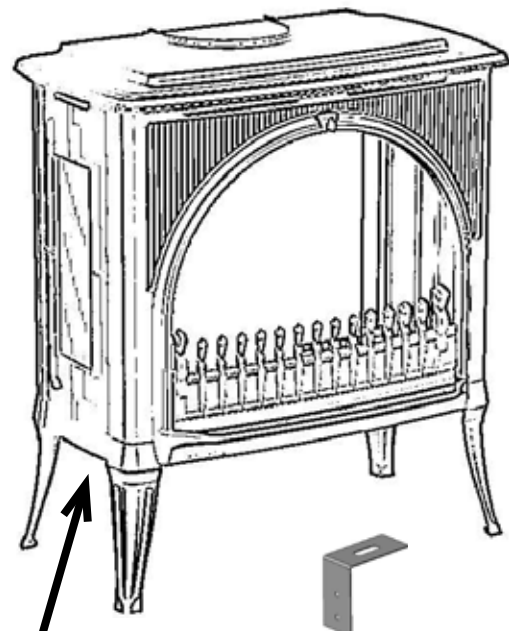
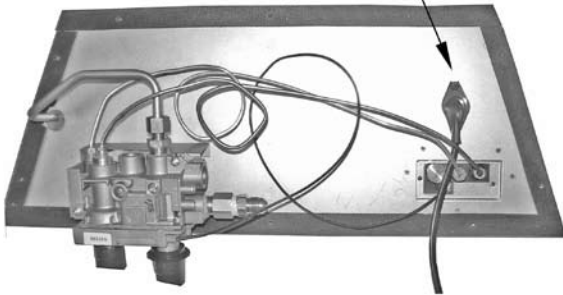


6. INSTALLATION - MADRONA MODEL MF28

- Remove the mounting plate from the fan and discard it.
- Position the fan in such way that its exhaust is directed upwards, towards the space between the inner and the outer walls of the firebox.
- Using 3 screws, fix the fan to the firebox bracket.
- Fix the fan control box bracket provided to the control box with 2 screws.
- Fix the bracket with the control box attached to the base of the stove from underneath.
- Fix the thermoswitch to the underside of the burner plate, behind the pilot area with 2 screws taken from the burner plate.



**Fasten Thermal Switch to
Underside of Burner Module
Using 2 Existing Screws**



Fan control
box position

Fan control box
bracket

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LIMITED WARRANTY POLICY

Miles Industries Ltd. warrants all components of the model 555 circulating fan kit for a period of one year from the date of purchase against defects in materials or workmanship. This warranty covers only the cost of defective parts and applies only to the original consumer purchaser. The replacement of defective parts by Miles Industries Ltd. will be without charge during the warranty period. This warranty does not extend to (1) components damaged by accident, neglect misuse, abuse, alteration, and negligence of others, including the installation thereof by unqualified installers (2) the costs of removal, reinstallation or transportation of defective parts or (3) incidental or consequential damages.

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A qualified installer in accordance with the instructions furnished must install the model 555 circulating fan kit. The defective components should be returned at your expense to the dealer from where the product was purchased or authorized service agent. The sales invoice evidencing proof of purchase and date of purchase must accompany any components returned for warranty repair/replacement. Miles Industries Ltd. reserves the right to repair and return any defective component.

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