



#555 CIRCULATING FAN KIT

March 2002

INSTALLATION and OPERATING INSTRUCTIONS

Canadian and American Gas Association approved for use only with
VALOR MODEL # 530, 534 and 535

1. DESCRIPTION OF SYSTEM

The Valor Models 530, 534 and 535 have been designed to accommodate the installation of an air circulation fan. Operated by a hi/ lo/ off fan control and a thermally actuated switch, it 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 installation or as a retrofit at a later date.

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:

- Fan /Motor c/w mounting plate, wiring harness with thermal switch and Molex connector.
- Hi/ Lo/ Off controller/ junction box c/w Molex receptacle and 6' cord set.
- Screw and cable tie package

4. INSTALLATION

a) Installing in the 530

- Remove the 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 gas 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 the two bars at the top corners. See figure 1.
- Unscrew the two spring loaded bolts securing the bottom of the window. See figure 1.
- Remove the ceramics from the firebox.
- Carefully lift the window. Keep the window and bolts in a safe place.
- Detach the battery shield by removing two screws. See figure 2.
- Detach the burner module by removing 11 screws. See figure 2.
- Fit the blower unit by placing it into the rear of the liner box and securing to the rear wall using the two screws provided(fig.3)

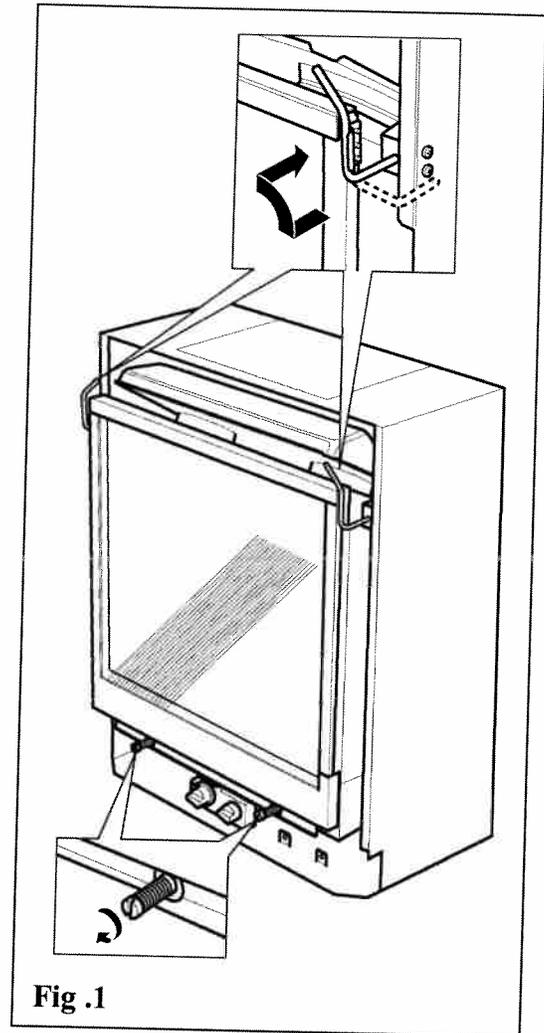


Fig .1

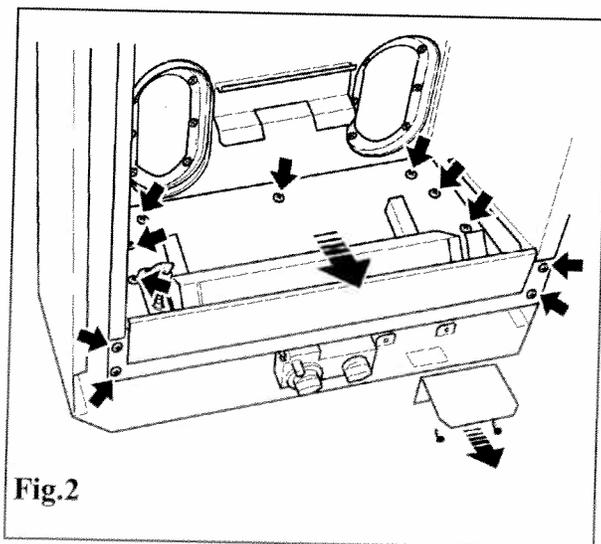


Fig.2

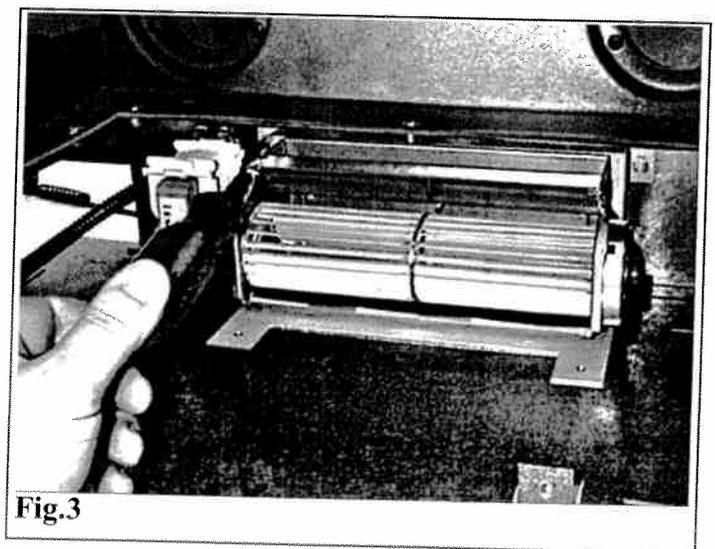


Fig.3

- Secure the thermally actuated switch to the side of the firebox (fig 4)
- Feed the cord set through the clearance hole on the left-hand side of the liner box. Fix the control box to the bracket using the screw provided. The bracket is flat when the unit is received, and should be bent up before securing the control box. (Fig.5)
- With the switch control correctly mounted, connect the Molex plug from the motor leads into the Molex receptacle in the back of the control box. Confirm that the wiring harness is routed correctly against the rear and side of the liner box.
- The fan and controls are factory tested to ensure fan operation but, with the control box energized, check that the fan operates correctly.
- Re assemble the fireplace.

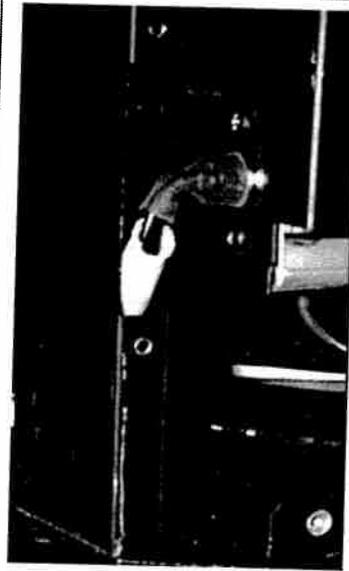


Fig.4

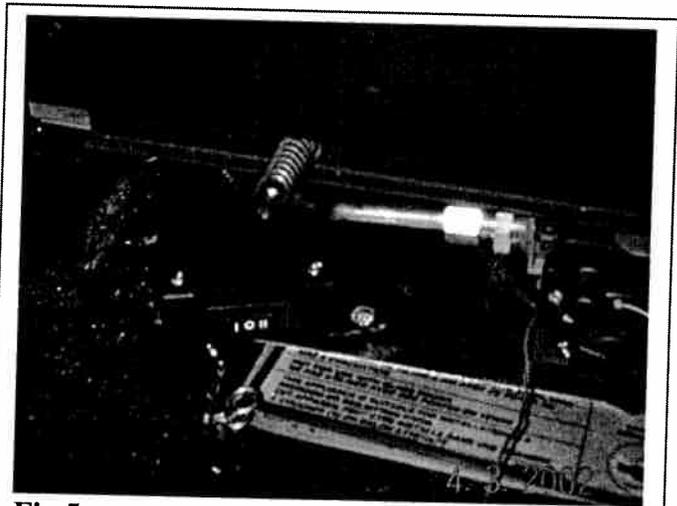


Fig.5

b) Installation in the 534/ 535

- Remove the heater front face and set aside. (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 gas 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.**

- Remove the Window (see fig 6)
Turn the top three spring loaded window bolts through 90° to release the window from the firebox. Remove the bottom three spring-loaded window bolts.
Detach the chain from the top right corner of the window.
Carefully lift the window away. Keep the window and bolts in a safe place.
- Remove the ceramics logs from the firebox.
- Remove the rear ceramic support (fig 7).
- Detach the port cover from the firebox and remove ceramic side bricks (fig. 8)
- Remove the two wires connected to the valve from the wall switch / remote control.
- Remove the burner module (Ten screws)(fig 9).

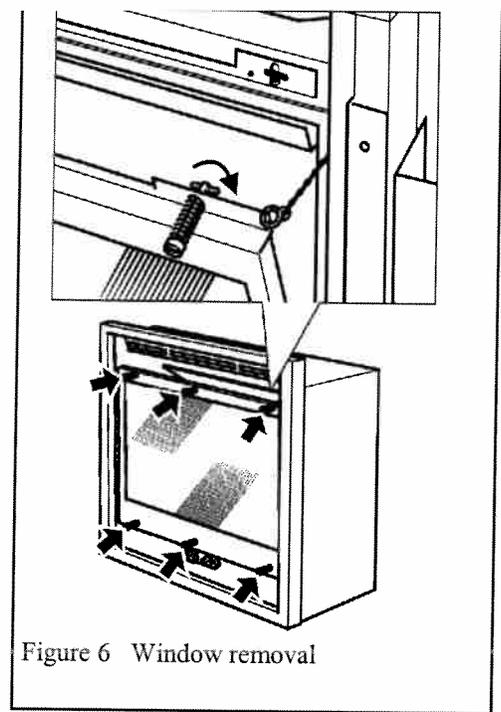


Figure 6 Window removal

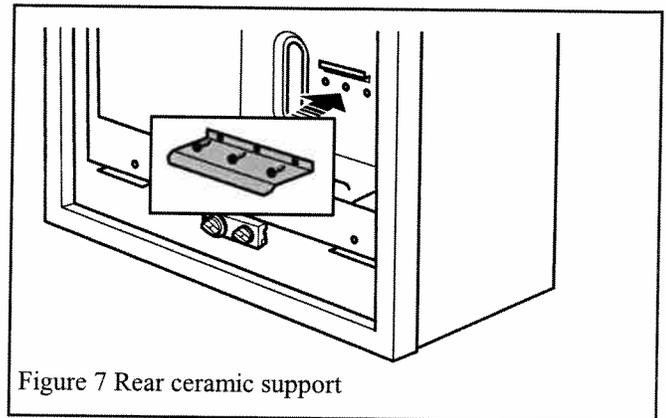


Figure 7 Rear ceramic support

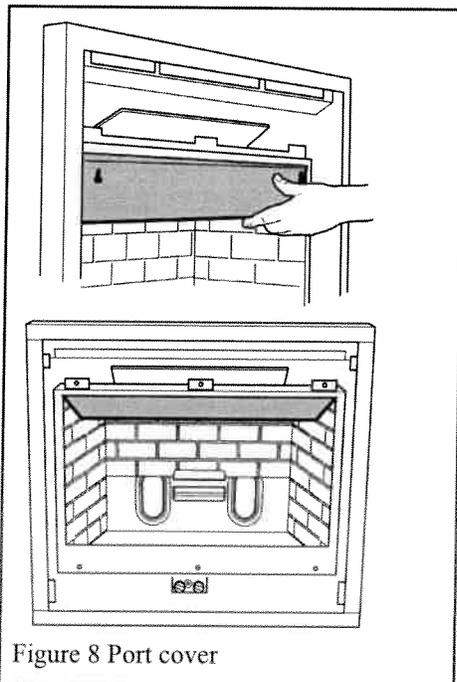


Figure 8 Port cover

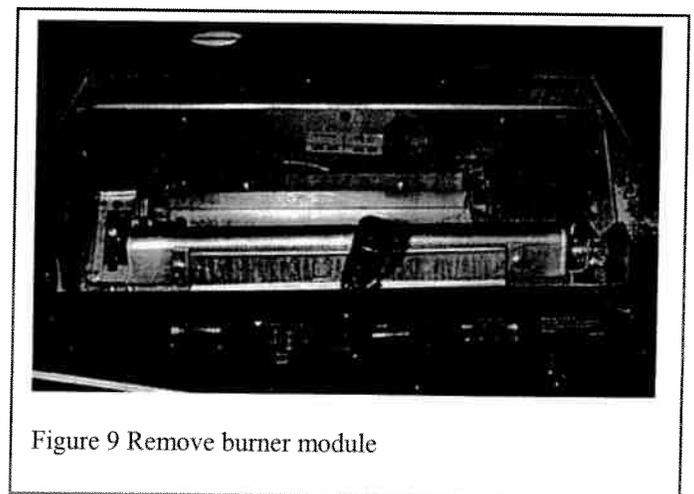


Figure 9 Remove burner module

- Fit the blower unit by placing it into the rear of the liner box and securing to the rear wall using the two screws provided(fig.10)
- Remove two screws from the top of the burner module, retain them to secure the thermal switch to the underside of the module (fig. 11)
- Secure the thermally actuated switch to the underside of the burner module, using screws previously removed from the module(fig 12).
- Refit the burner module to the firebox.
- Feed the cord set through the clearance hole on the left-hand side of the liner box.
- Fix the control box to the bracket using the screw provided. The bracket is flat when the unit is received, and should be bent up before securing the control box. (Fig.13)

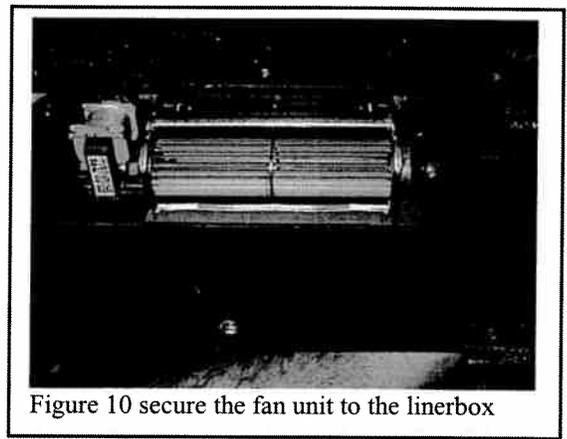


Figure 10 secure the fan unit to the linerbox

- With the switch control correctly mounted, connect the Molex plug from the motor leads into the Molex receptacle in the back of the control box. Confirm that the wiring harness is routed correctly against the rear and side of the liner box.
- The fan and controls are factory tested to ensure fan operation but, with the control box energized, check that the fan operates correctly.
- Re assemble the fireplace.

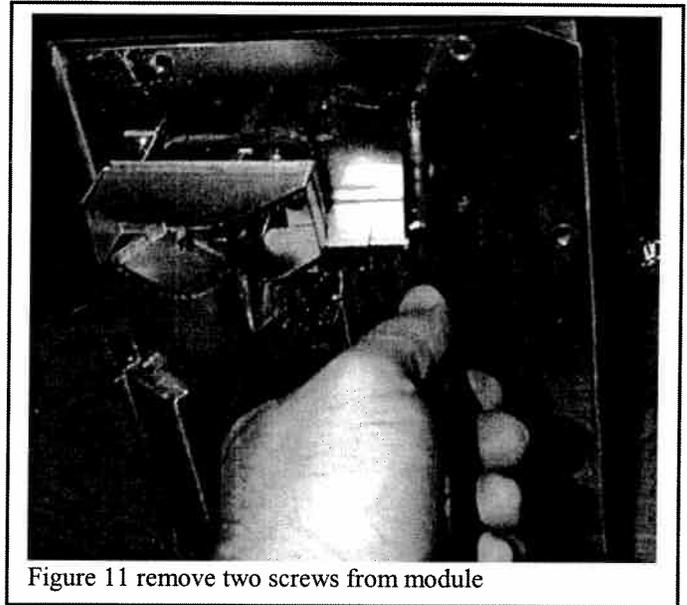


Figure 11 remove two screws from module

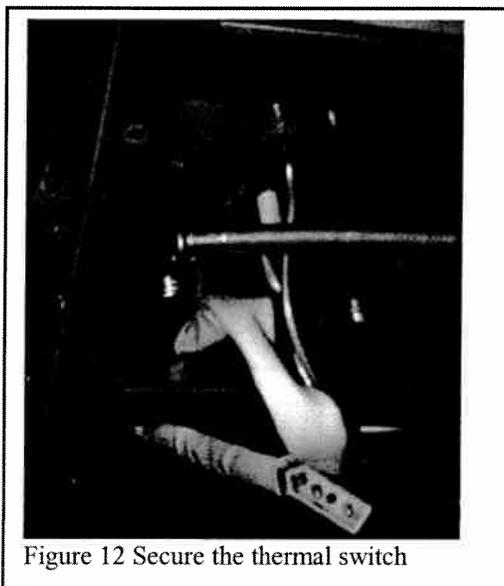


Figure 12 Secure the thermal switch

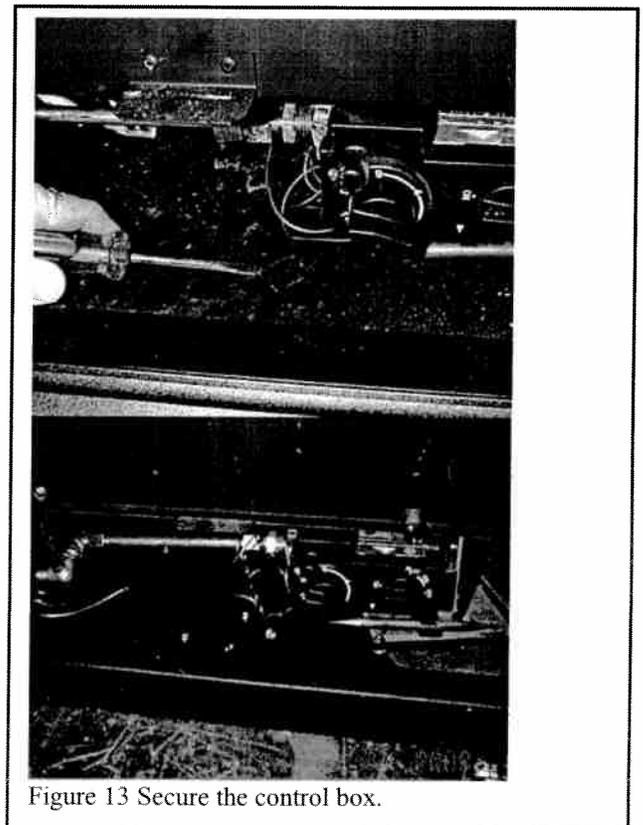


Figure 13 Secure the control box.

5. OPERATION

The fan is designed for automatic operation using a thermal switch. To operate the fan, press the switch to the left or right from the central off position, the position marked with two dashes being the hi speed, one dash being the lo. The fan will not run until the thermal switch is heated by the fireplace, this takes approx 5 to 10 mins. Should electrical power fail, the heater operation will remain unaffected. If the fire is turned off, the fan will continue to operate until the thermal switch cools, unless the switch is moved to the central, off position

Should electrical power fail, the heater operation will remain unaffected.

6. MAINTENANCE

This fan does not require any regular maintenance or lubrication, however periodic cleaning of the fan compartment to remove household lint will help to maintain peak fan performance and extend the fan life.

This can be accessed by opening the lower door and using the crevice tool on the end of a vacuum cleaner hose, carefully clean the bottom area of the fireplace linerbox paying particular attention to the area under the burner box base.

Should the fan require additional servicing, it must be done by a qualified gas appliance service person.

Over time, it may be useful to clean the fan blades themselves for dust accumulation. To do this, it is necessary to remove the burner assembly. This must be done by a qualified gas appliance service person.

7. WIRING DIAGRAM

Warning- Electrical Grounding Instructions

This appliance is equipped with a three-prong (grounded) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounded prong from this plug.