



#796 CIRCULATING FAN KIT

DECEMBER 1999

INSTALLATION and OPERATING INSTRUCTIONS

Canadian and American Gas Association approved for use only with
VALOR LEGEND ULTRA MODEL 737X

1. DESCRIPTION OF SYSTEM

The Valor Legend Ultra Model 737 has 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 process 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 #796CFK Kit contains the following:

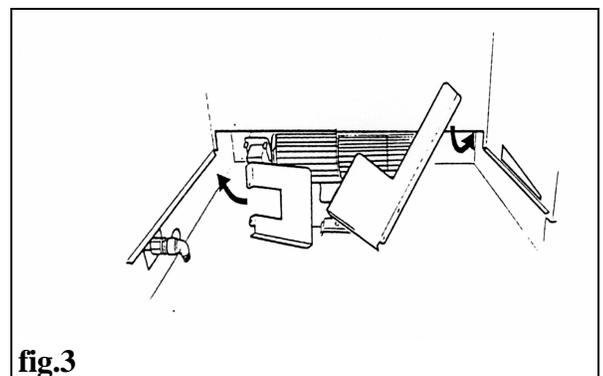
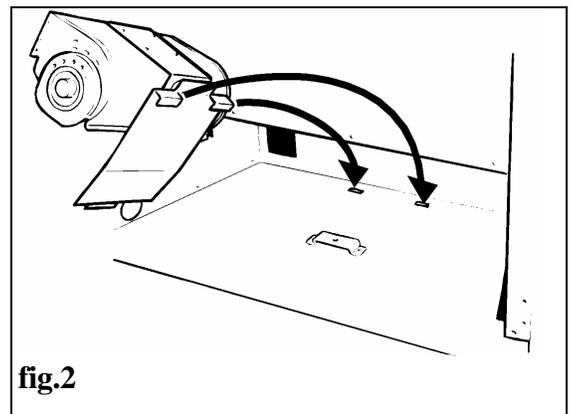
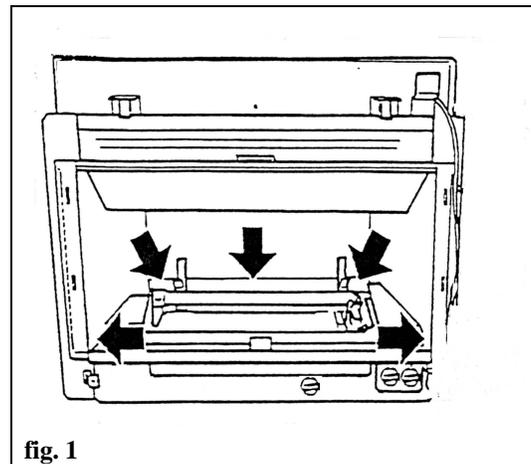
- Fan /Motor c/w mounting plate, wiring harness c/w thermal switch and Molex connector.
- Hi/ Lo/ Off controller/ junction box c/w Molex receptacle and 6' cord set.
- Right hand heat baffle
- Left hand heat baffle
- Control mounting bracket
- Screw and cable tie package

4. INSTALLATION

- Remove the heater inner front and front frame in sequence and set aside. (refer to fireplace installation instructions)
- Remove the window, log set and brick set. (refer to fireplace installation instructions)
- Shut off gas supply to the fireplace and disconnect the gas line.
- Remove five screws securing the burner/control assembly. The complete burner assembly can now be withdrawn from the fireplace by pulling it forward. (Fig. 1)

NOTE: Ensure that the metal base of the gas fireplace enclosure is supported and anchored to the floor (or bottom of masonry firebox). 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.**

- Fit the blower unit by placing it into the rear of the insert box and engage the back edge of the mount into the raised cleats on the floor of the box. Fasten the front of the mount to the bracket using the machine screw provided.(fig.2)
- Fit the right hand and left hand heat baffles to the sides of the liner box using the screws provided. (Fig.3)
- Route the wiring harness to the left side of the liner box, through the cutout in the left hand heat baffle, and fasten to the side wall using the cable tie and the lower baffle securing screw. (fig.4)



- Remove the metal between the two cutouts in the side of the linerbox. (Fig.5)
- Secure the control mounting bracket to the battery heat shield(see fig 6)
- Connect the Molex connector from the fan to the control box, feed the cord set through the left-hand side of the liner box, and then secure the control box and the control heat shield to the mounting bracket (see fig 7)
- On the burner module, drill a 1/8" hole on the burner tray approx 1" from the front.(see fig 8)
- Place the burner module back in engine and secure the thermal switch (see fig 9).
- If the fireplace is installed as an insert, route the cord directly across the hearth on the left side, away from the fireplace. Do not attempt to route the cord behind, in front of or over the liner box as damage to the cord may result in an electrical hazard.
- Re assemble the fireplace.
- The fan and controls are factory tested to ensure the fan operation but, with the control box energized, check that the fan operates correctly. **The unit must be hot to do this.**



fig.5



fig.6



fig.7



fig.8



fig.9

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.

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.

This can be accessed by removing the bottom grill 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.

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.

PLEASE LEAVE INSTALLATION AND OPERATING INSTRUCTIONS WITH THE HOMEOWNER.

LIMITED WARRANTY POLICY

Miles Industries Ltd. warrants all components of the model 796 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, 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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The model 796 circulating fan kit must be installed by a qualified installer in accordance with the instructions furnished. The defective components should be returned at your expense to the dealer from where the product was purchased or authorized service agent. Any components returned for warranty repair/replacement must be accompanied by the sales invoice evidencing proof of purchase and date of purchase. Miles Industries Ltd. reserves the right to repair and return any defective component.

Manufactured and distributed in Western Canada and USA by

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