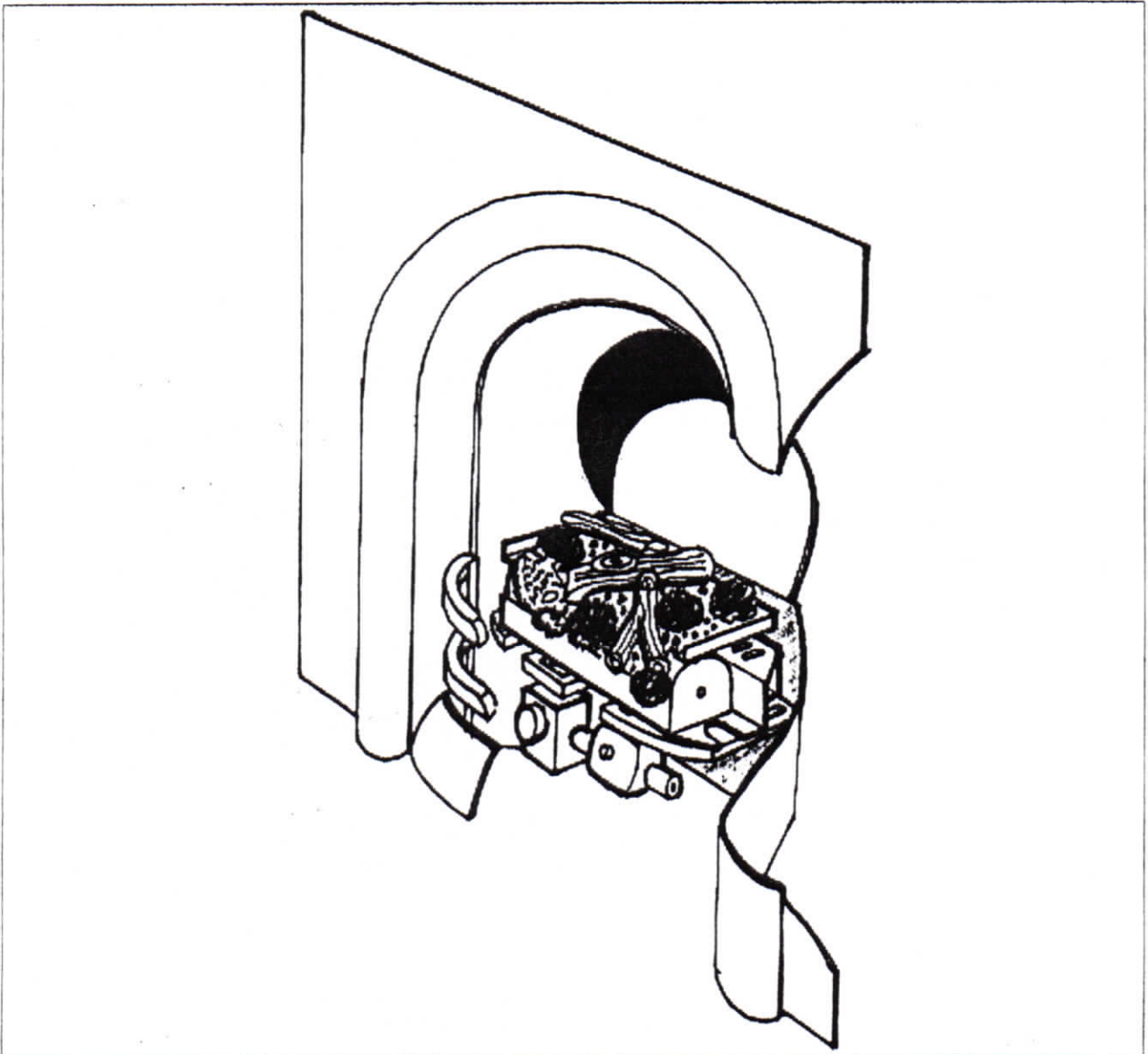




## INSTALLATION AND OPERATING INSTRUCTIONS

MODEL : GFG 2.4

(LOG/COAL EFFECT GAS FIREGRATE/BURNER FOR USE WITH STANDARD CAST IRON INSERTS)



This appliance must be installed by authorized personnel in accordance with the manufacturers instructions, gas fitting regulations, AS/NZ 5601 code for installation of gas burning appliances, electrical wiring regulations, municipal building regulations and any other statutory requirement.

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### IMPORTANT

It is important that the information contained within this booklet is read and followed for reasons of safety, proper installation and operation.

Firefox decorative log/coal effect gas firegrate burners burn with a live naked flame which is designed to mimic a real open wood fire. It is important therefore to treat the operation of the appliance with care and respect as you should with any live naked flame apparatus.

Firefox gas firegrate can operate on either Natural Gas (NG) or Liquid Petroleum Gas (LPG). The correct gas type for which the gas firegrate has been set will be marked on the DATA PLATE which is affixed to the appliance.

### INSTALLATION APPLICATIONS

#### TYPE 1.

Installation of the gas firegrate/burner into an existing open fireplace cast insert and chimney which must be completely constructed of masonry and otherwise suitable for solid fuel burning e.g. wood.

#### TYPE 2.

Installation of the gas firegrate/burner in conjunction with a Firefox pre-fabricated steel 'Zero Housing' along with the specified steel flue exhaust system. (See separate installation detail 'Zero Housing' for use with Standard Cast Iron Insert).

### WARNING

Firefox decorative gas firegrates burn with a live naked flame.

**DO NOT PLACE FOREIGN ARTICLES ON OR AGAINST THE APPLIANCE.**

**DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THE APPLIANCE.**

**DO NOT SPRAY AEROSOLS IN THE VICINITY OF THE APPLIANCE WHILST IN OPERATION.**

**DO NOT USE LOG/COALS OTHER THAN THOSE SUPPLIED WITH THE APPLIANCE.**



### DEFINITION

The Firefox gas firegrate/burner can only be installed into an existing fireplace cast insert chamber with a chimney which is completely constructed of masonry and complies with building regulations for fireplaces which are suitable for solid fuel burning e.g. wood OR with a Firefox pre-fabricated steel 'Zero Housing' along with the specified steel flue exhaust system. (See separate installation detail).

1. Check that the fireplace insert chamber and chimney is undamaged, structurally sound and in proper working condition.
2. Chimney dampers or baffles must be removed or permanently fixed open. The chimney must be free of any obstructions which may cause a restriction in up-draught.

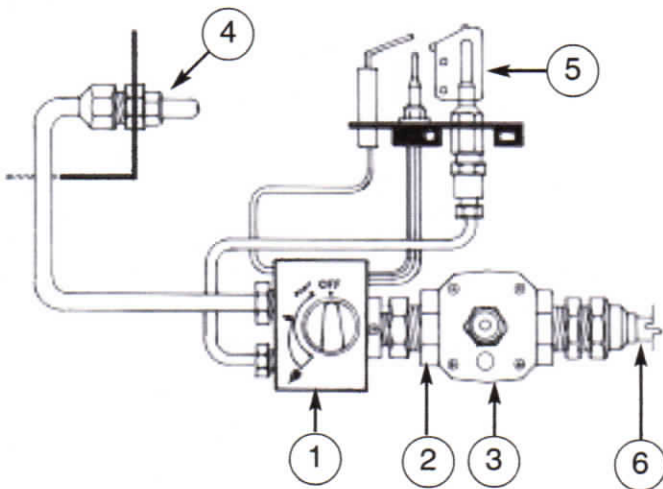
It is mandatory that the fireplace has sufficient up-draught in order to draw and exhaust combustion gases away and up the chimney.

3. Check that any air extraction devices located in the vicinity of the fireplace do not cause a negative air pressure (suction) which could cause a spillage of combustion gases into the room where the fireplace is located when in operation.
4. Permanent ventilation of a minimum cross sectional area of 40,000 mmsq (64 sq") must be provided into the room/area where the gas firegrate is located.
5. The fireplace insert/chamber must be wide and deep enough to fully accommodate the gas firegrate. It is preferable that the gas firegrate/burner be located as far back into the chamber as possible.

For the installation and commissioning of the gas burner/firegrate refer to separate details.

### BURNER CONNECTION

1. Select the appropriate Firefox gas firegrate/burner for the application.
2. Run appropriate gas supply lines in from right hand side with a tail of approx. 3/4 way along the width of the fireplace.
3. Locate the gas firegrate/burner into insert as shown in fig: A1
4. Connect gas line to burner using the 1/2 flared brass/copper union supplied.



1. Control Valve
2. Pressure Test Point
3. Regulator
4. Injector to Burner Tube
5. Oxy Pilot Assembly
6. Gas Inlet

Fig: A1

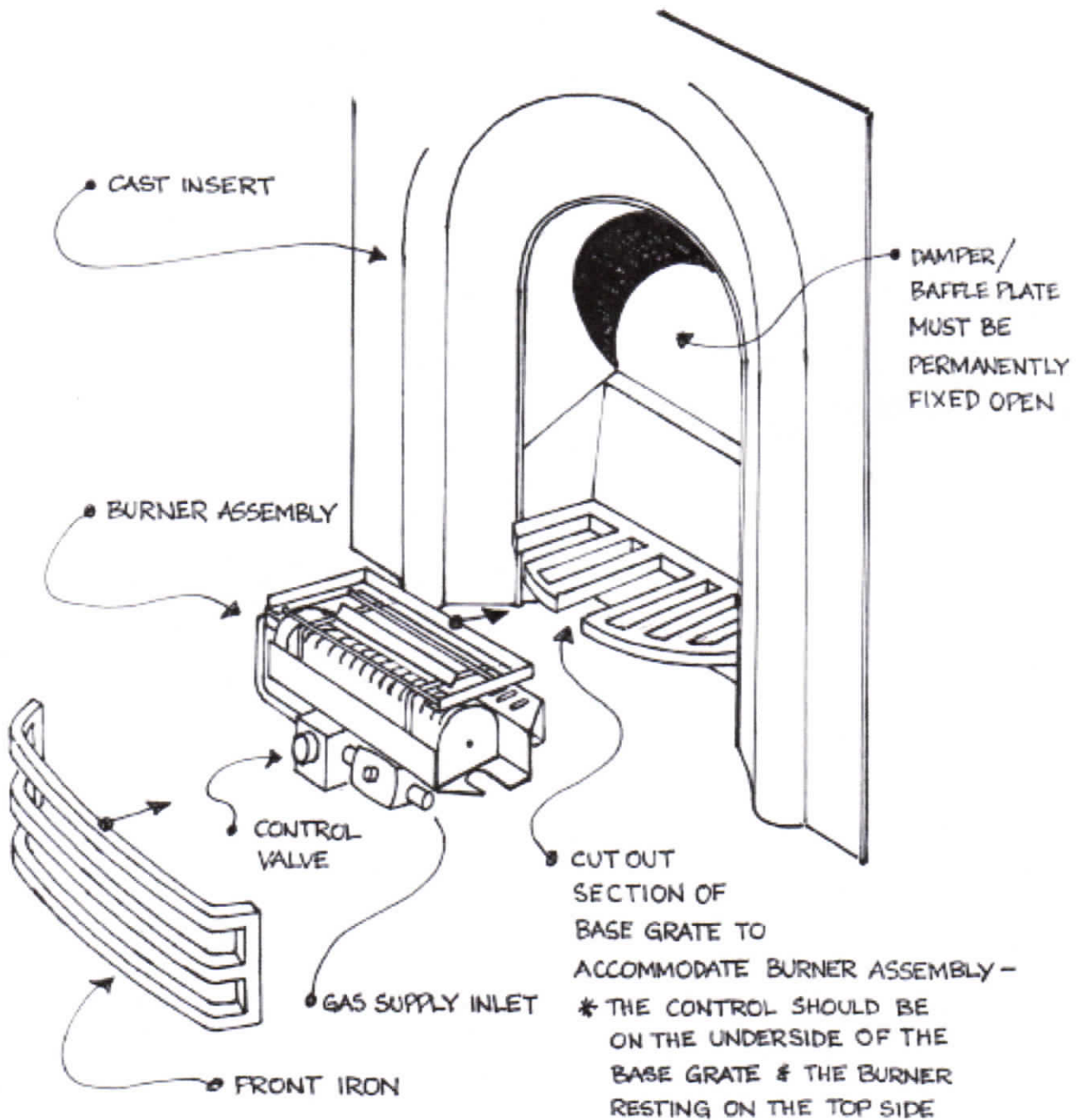


Fig: A2

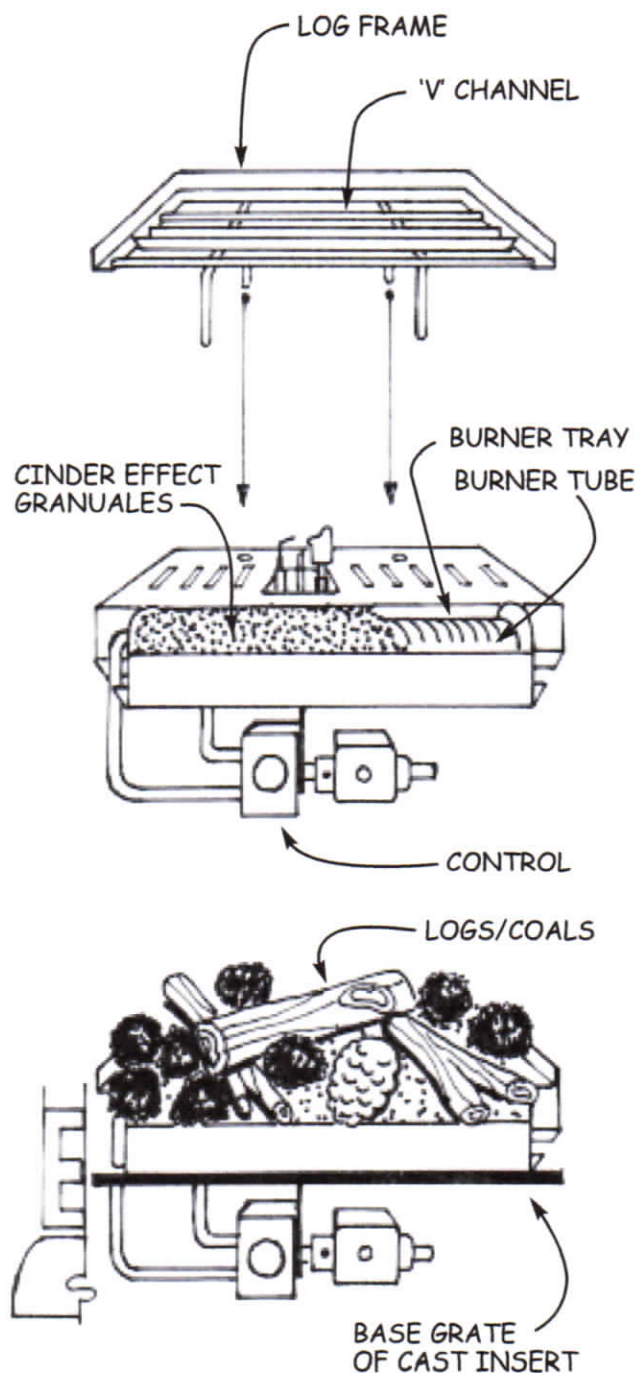
### LOG/COAL ASSEMBLY

1. Remove log frame from the burner tray by pulling upwards. (See Fig: A2)
2. Fill the burner tray with 'Cinder Effect Granules' provided until the tray and burner tube is slightly covered over with the 'Cinder Effect Granules'.
3. Replace log frame into position and press down firmly.
4. Sprinkle a handful of 'Cinder Effect Granules' along the 'V' channel of the log frame.
5. Assemble the logs/coins as randomly shown in diagram.
6. Using small pieces of 'Glowool' about the size and thickness of a 10 cent piece place a few pieces in between the logs/coins.
7. After lighting the fire (See Lighting Instructions) using a screwdriver or tongs, fine tune the log/coal and Glowool positioning in order to achieve a realistic flame pattern.

**WARNING** – Care must be taken when performing this procedure to prevent personal injury.

DO NOT clog or choke the burner with additional logs/coins. Allow 15-20 mm gaps between the log/coal medium to allow the gas to flow freely.

DO NOT use any other logs/coins other than those supplied by the manufacturer.



### LIGHTING AND SHUT DOWN PROCEDURE

To light the pilot from OFF position (See Fig. 1) press the control knob in and turn anti-clockwise to PILOT (See Fig 2).

Keeping the knob depressed, turn anti-clockwise towards the 'STAR' icon to activate the piezo ignition spark (you should hear a 'click' noise during this procedure (See Fig 3) and keep the knob depressed for approximately 20 seconds. The pilot should now be alight. If the pilot is not alight, repeat the procedure.

To light the burner, turn the control knob clockwise to the 'HIGH FLAME' icon (See Fig 4).

To extinguish the burner, turn the control knob clockwise to 'PILOT' position. This will allow the pilot light to remain on (See Fig 2).

To shut down the pilot, press the control knob in and turn clockwise to 'OFF' position (See Fig 1).



Fig: 1



Fig: 2



Fig: 3



Fig: 4

### COMMISSIONING PROCEDURE

Upon completion of the installation, the installer must check for spillage.

1. Light the fire burner and allow to warm up to approx. 10 minutes.
2. Use a smoke match test at 25mm down from the head (top) and 25mm in from the fireplace opening and drag the match along with full width of the opening. The smoke should be drawn away and up the chimney or flue.
3. Repeat the test with all windows and doors in a closed and open position and also with any extraction fans running on high, along with any other flued appliances located in the same room or areas adjacent to where the firegrate is located.
4. If spillage is evident, it could indicate a faulty chimney, flue obstruction, lack of ventilation or negative air pressure. If the problem cannot be rectified, the appliance must be rendered inoperable immediately. Advise the customer that the appliance cannot be used until the problem is resolved.
5. The customer should be advised that regular servicing checks should be carried out to ensure proper operation of the appliance.
6. Advise the customer of operating procedures and refer to USER INSTRUCTIONS in this booklet.



## USER INSTRUCTIONS

Congratulations on having a FIREFOX Decorative Gas Log/Coal Firegrate installed in your home. We are sure it will provide you with many years of realistic fireside pleasure, comfort and enjoyment.

It is important that you familiarize yourself with the appliance by reading through this instruction booklet.

If your installer has not shown you how to light the appliance refer to 'LIGHTING AND COMMISSIONING PROCEDURE' in this booklet.

Initially, your first fire may emit a slight smell. This should disappear forever within an hour or so. It is only the residues of the manufacturing process burning off.

Whenever you light your gas firegrate it will burn initially with a blue flame. After about 15-20 minutes the burner will reach optimum temperature and the flames will develop yellow tips and the logs/coins will begin to glow around the edges. Some slight sooting may occur. This adds to the realism and is normal.

Your Firefox gas firegrate is relatively maintenance free. However, we recommend that you have the appliance/installation checked once a year to ensure correct operation.

### SAFETY PRECAUTIONS

Firefox Decorative Gas Firegrates burn with a live naked flame. It is important therefore in order to protect against personal injury or property damage to treat its operation with care and respect, as you should with any live naked flame apparatus. A safety screen/fireguard should be used for the protection of children, elderly and infirm.

**DO NOT PLACE FOREIGN ARTICLES ON OR AGAINST THE APPLIANCE.**

**DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THE APPLIANCE.**

**DO NOT SPRAY AEROSOLS IN THE VICINITY OF THE APPLIANCE WHILST IN OPERATION.**

**DO NOT USE LOGS/COALS OTHER THAN THOSE SUPPLIED WITH THE APPLIANCE.**

### TROUBLE SHOOTING

PROBLEM	CORRECTIVE ACTION
You smell gas	<ol style="list-style-type: none"><li>1. Vacate premises immediately.</li><li>2. Shut down gas supply at your gas meter.</li><li>3. Do not operate any electrical - appliances phones included.</li><li>4. When you are outside and away from the premises in the open air, you can use a mobile or neighbours phone to call your local gas supplier or Fire Brigade.</li></ol>
Pilot won't light	<ol style="list-style-type: none"><li>1. Pressure too low. Set to correct pressure.</li><li>2. Check for spark at electrode. If none, check lead connection. If not solved replace electrode.</li></ol>
Pilot light does not Stay on	<ol style="list-style-type: none"><li>1. Light pilot and keep knob depressed for 30 seconds before releasing. If pilot does not stay on replace thermocouple.</li></ol>
Main flame goes out or very little flame.	<ol style="list-style-type: none"><li>1. Check for correct pressure.</li><li>2. Check for faulty thermocouple.</li><li>3. Excessive draught can cause flame to extinguish.</li></ol>