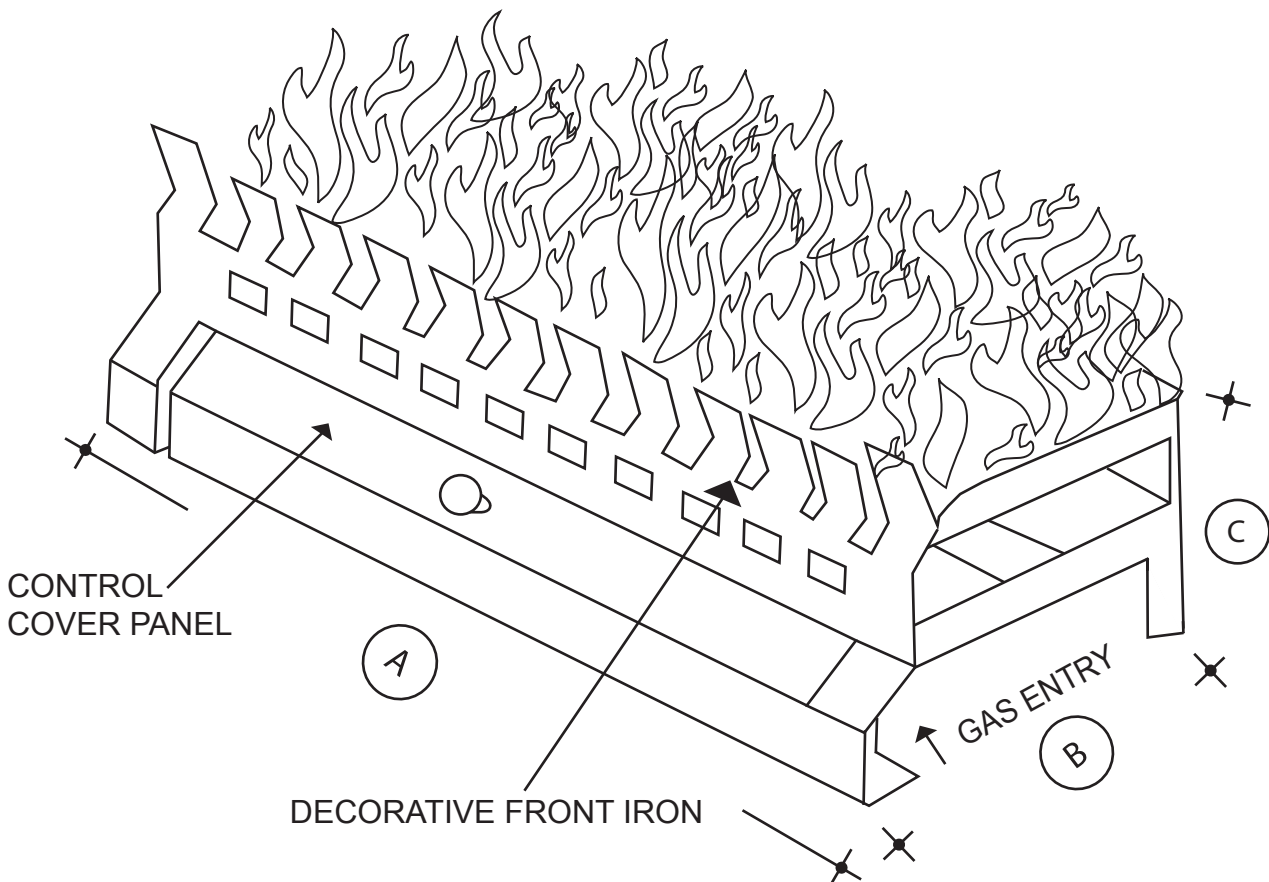




INSTALLATION & OPERATING INSTRUCTIONS

'GFG' SERIES (GAS FIREGRATES - LOG/COAL EFFECT)

MODEL	DIMENSION (mm)			GAS - INPUT (Mj)	
	A	B	C	N. Gas	LP. Gas
GFG 2.7	550	270	200	36	35
GFG 3.0	610	270	200	41	40
GFG 3.5	730	270	200	52	50
GFG 4.0	850	270	200	52	50



This appliance must be installed by authorized personnel in accordance with manufacturers instructions, gas fitting regulations, AGA 601 code for installation of gas burning appliances, electrical wiring regulations and any other statutory requirement. The guidelines here-in have been tested and approved to AS 4558/AG 108. AGA Approval No. 6386.



INTRODUCTION

IMPORTANT

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

The Firefox range of decorative log/coal effect gas firegrates (GFG) burn with a live naked flame. 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 firegrates 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

EXAMPLE A. Installation of the gas firegrate (GFG) only into an existing open fireplace chamber and chimney which must be completely constructed of masonry and otherwise suitable for solid fuel burning e.g. wood (See Example A detail).

EXAMPLE B. Installation of the gas firegrate in conjunction with a Firefox OGF Series firebox which has been installed in accordance with Firefox instructions for open GAS Firebox (See Example B detail)

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.



INSTALLATION EXAMPLE A.

DEFINITION

Installation of a FireFox gas firegrate (GFG) into an existing fireplace chamber and chimney which is completely constructed of masonry and complies with building regulations for fireplaces which are suitable for solid fuel burning e.g. wood.

1. Check that the fireplace 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 40,000mmsq (64 sq") must be provided into the room/area where the gas firegrate is located.

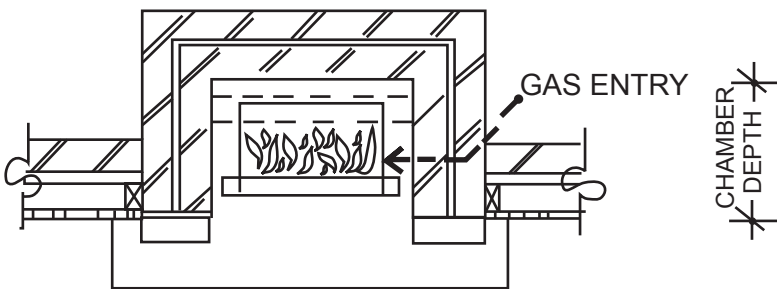
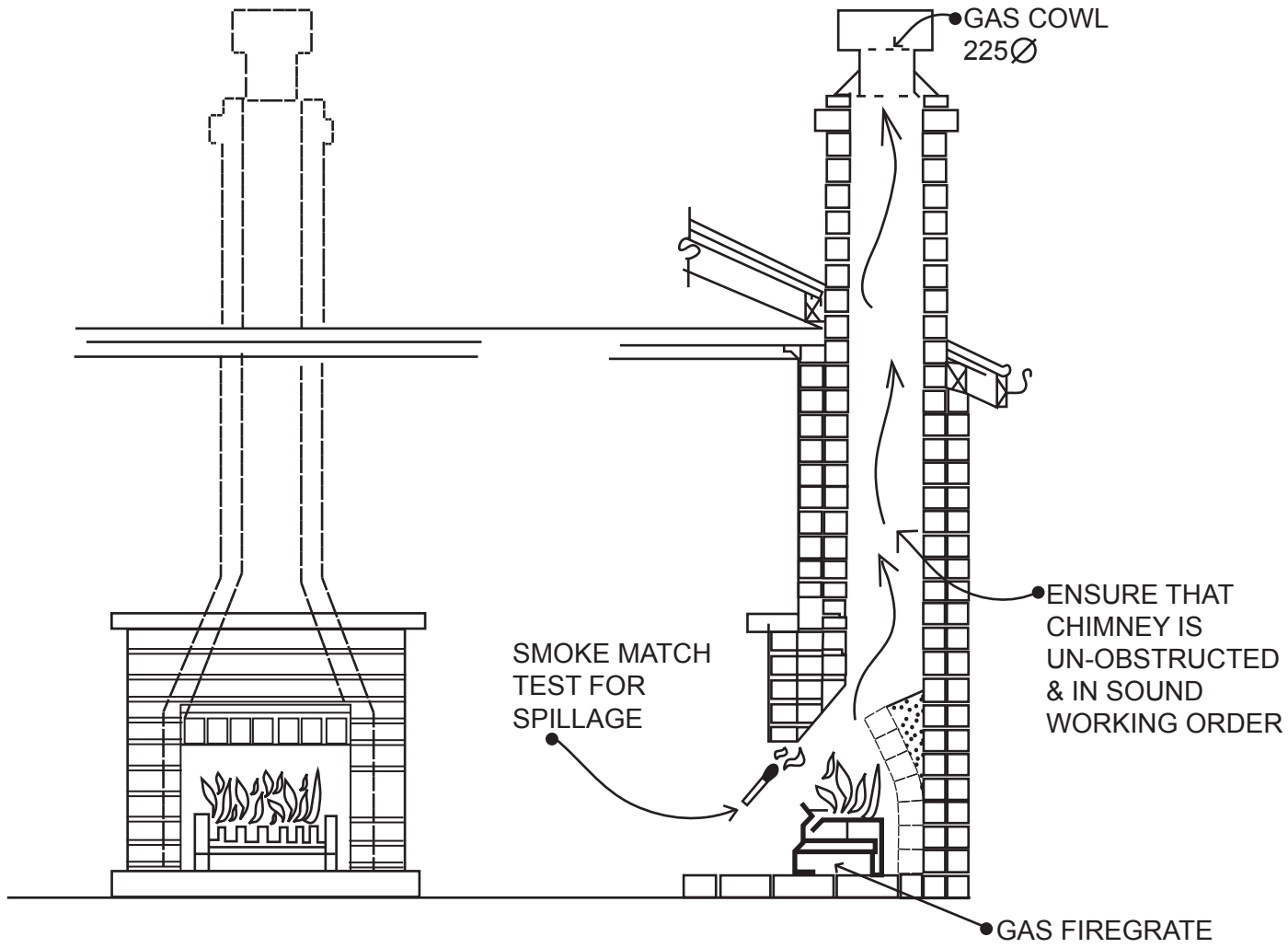
5. The fireplace chamber must be wide and deep enough to fully accommodate the gas firegrate. It is preferable that the gas firegrate be located as far back into the chamber as possible.

6. A gas cowl with a minimum diameter of 225mm, as approved by the AGA, must be fitted to the top of the chimney.

For the connection and assembly of the gas burner/firegrate (GFG) refer to separate details in the following pages.



INSTALLATION EXAMPLE DETAIL A.



✱ CHAMBER WIDTH ✱



INSTALLATION EXAMPLE B.

DEFINITION

Installation of the gas firegrate/burner (GFG) in conjunction with a Firefox open fronted pre-fabricated steel firebox (OGF) along with the specified steel flue exhaust system.

1. Check that any air extraction devices located in the vicinity of the fireplace will not cause a negative air pressure (suction) which could cause a spillage of combustion gases into the room where the firebox is located when in operation.

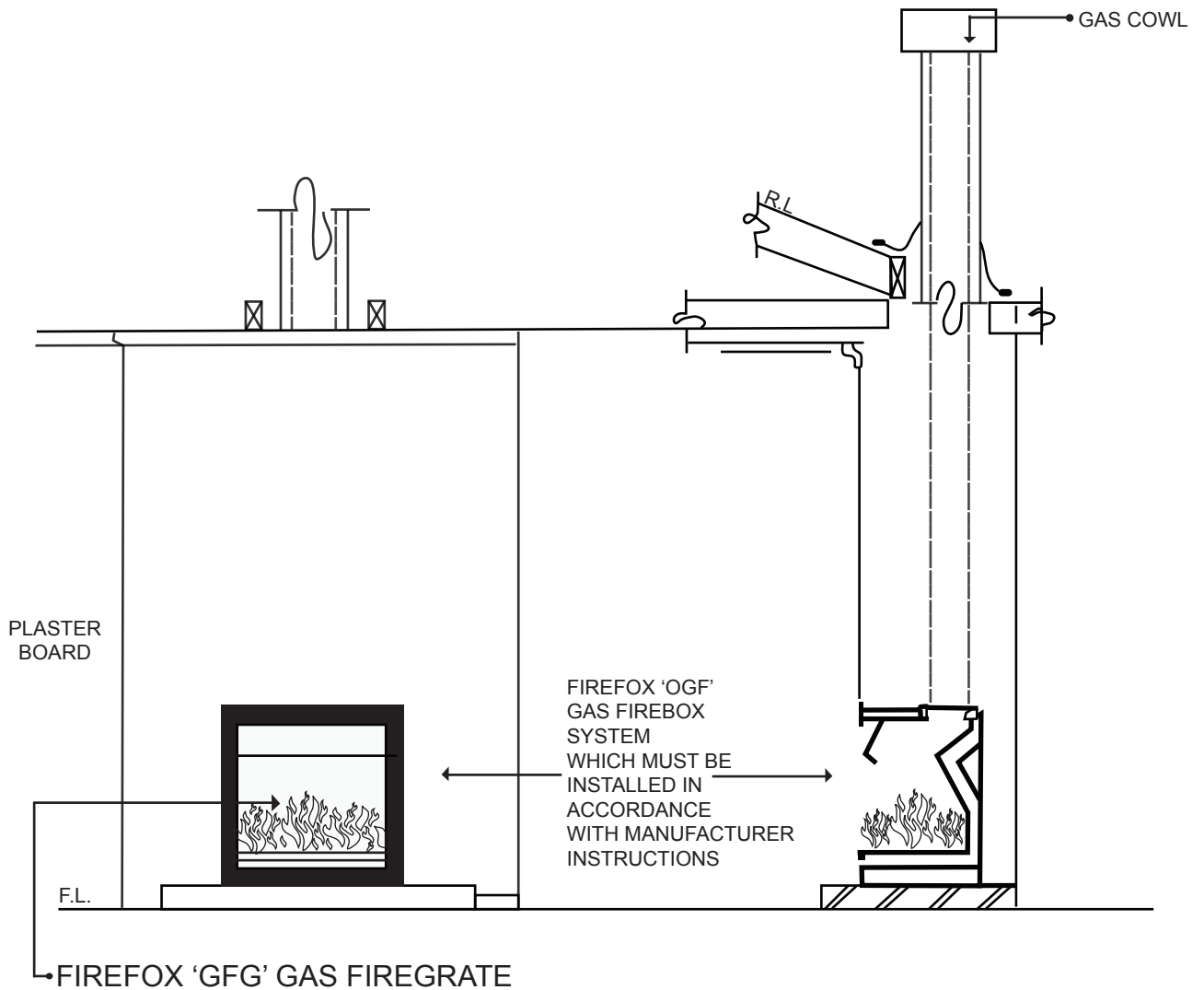
2. Use only the appropriate Firefox gas firegrate/burner (GFG) in conjunction with the selected Firefox (OGF) Series firebox. (REFER TO MANUFACTURERS DETAILED GUIDLINES IN SEPARATE BOOKLET TITLED 'INSTALLATION INSTRUCTIONS FOR OGF SERIES GAS FIREBOX').

3. Permanent ventilation equal to the cross sectional area of the specified firebox flue must be provided into the room/area the gas fire is located.

For the connection and assembly procedure of the gas burner/firegrate (GFG) refer to separate details within the following pages.

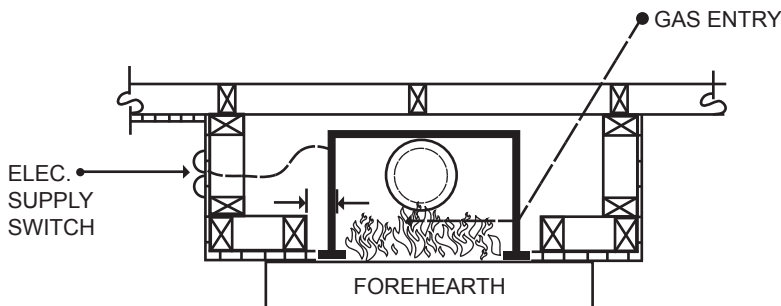


INSTALLATION DETAIL B.



* IMPORTANT

USE ONLY THE APROPRIATE (GFG) IN CONJUNCTION WITH THE APROPRIATE FIREFOX OPEN GAS FIREBOX (GFG)



*REFER TO MANUFACTURERS DETAILED GUIDELINES IN SEPARATE BOOKLET TITLED 'INSTALLATION INSTRUCTIONS FOR 'OGF' SERIES GAS FIREBOX'.

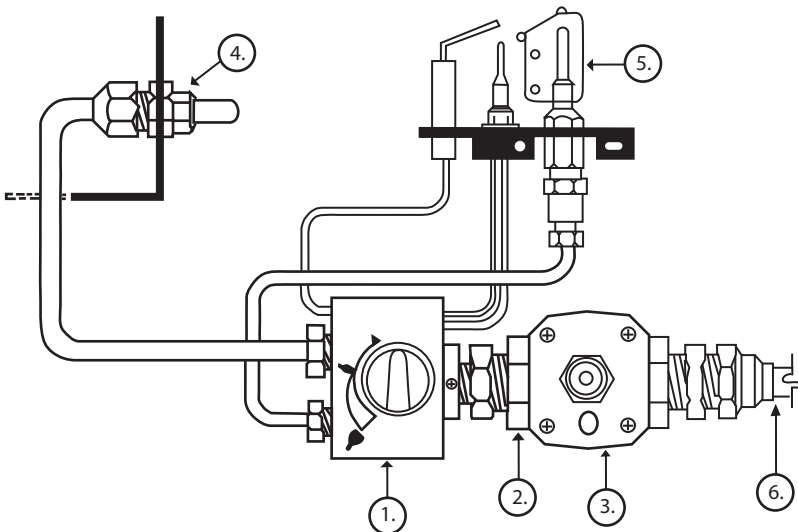
FIREBOX MODEL	APPROPRIATE GAS FIREGRATE 'GFG'
OGF - 27 SERIES	GFG 2.7
OGF - 30 SERIES	GFG 3.0
OGF - 35 SERIES	GFG 3.5



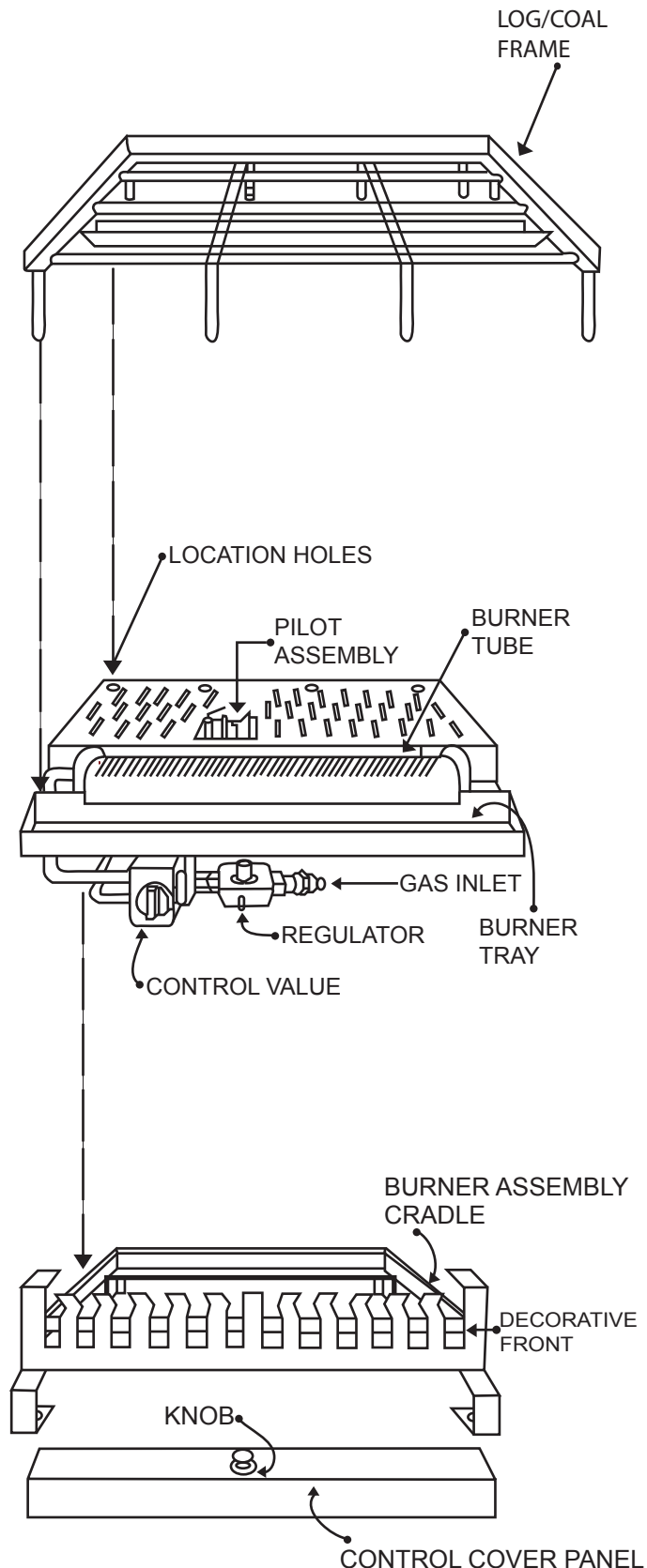
BURNER CONNECTION & ASSEMBLY

BURNER CONNECTION

1. Select the appropriate Firefox gas firegrate/burner for the application.
2. Run appropriate gas supply line in from right hand side with a tail of approx. $\frac{3}{4}$ way along the width of the fireplace.
3. Locate the gas firegrate/burner as follows:
 - 3.1 In existing fireplaces place grate/gas burner as far back as possible.
 - 3.2 In Firefox pre-fabricated steel firebox, locate legs of the burner cradle onto location bolts at bottom of firebox.
4. Connect gas line to burner using the $\frac{1}{2}$ " 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





Logset Location (2.7 Model) BURNER CONNECTION & ASSEMBLY

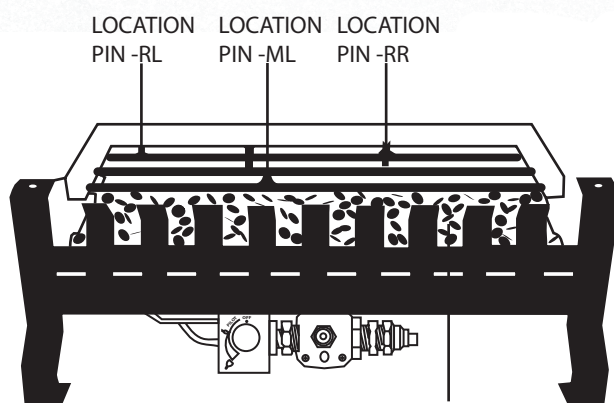
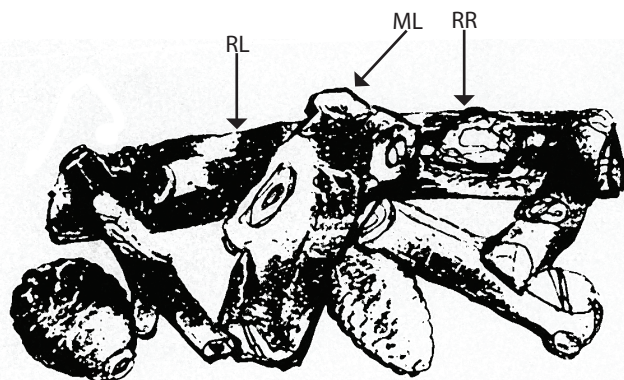
LOG/COAL ASSEMBLY

1. Remove log frame from the burner tray by pulling upwards.
2. Fill the burner tray with the 'Cinder Effect Granules' provided until the tray and burner tube is completely covered over with an approx. 18-20mm thick layer of the 'Cinder Effect Granules'.
3. Replace log frame into position and press down firmly.
4. Using small pieces of 'Glowool' about the size and thickness of a 10 cent piece place a few pieces at random over the granules and log frame.
5. Assemble the logs/coals. Place large logs RL & RR on the locating pins at the back of the log frame. Then place coals at random along the front of the burner tray. Add balance of logs/coals as shown in diagram. If coals or pebble effect only is being used, place the coals/pebbles randomly along the burner and allow 15 - 20 mm gaps between.
6. After lighting the fire (See Lighting Instruction: use a screwdriver or tongs to fine tune the log/coal spacing. Place some extra thin pieces of Glowool between the spaces in order to achieve a realistic flame pattern.

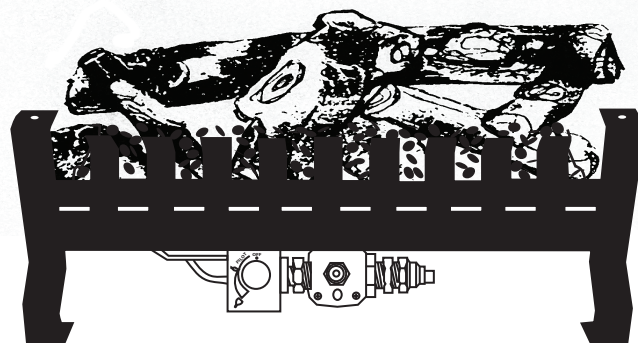
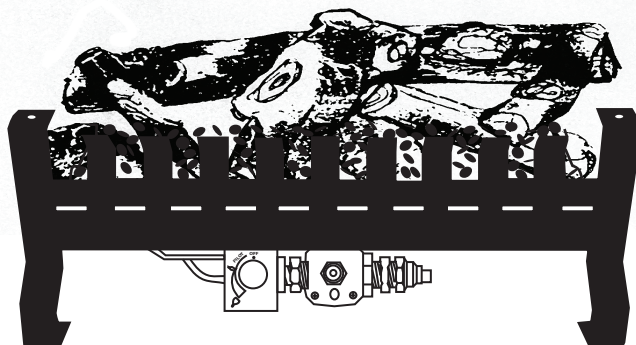
WARNING – Care must be taken when performing this procedure to prevent personal injury.

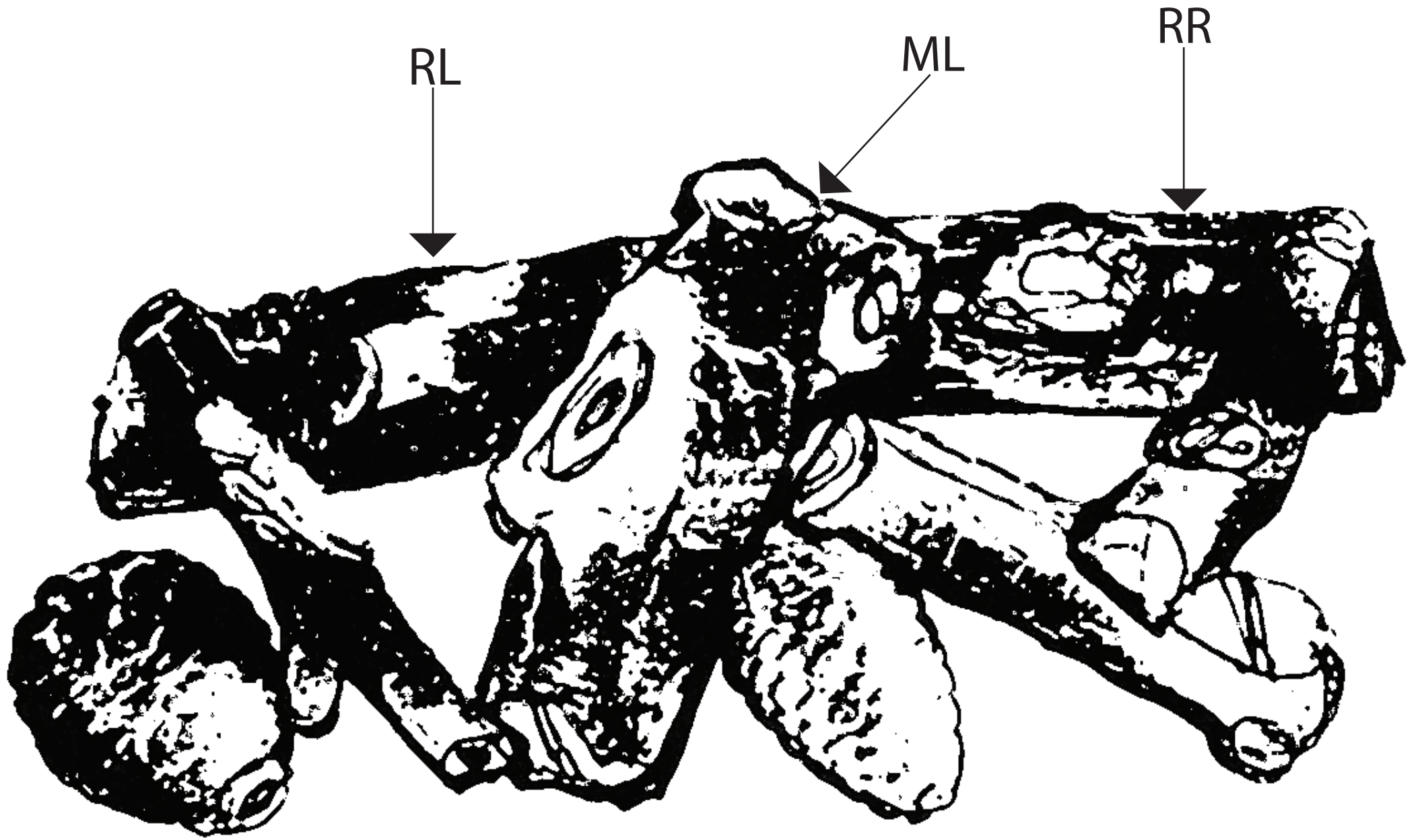
DO NOT clog or choke the burner with additional logs/coals. Allow 15-20mm gaps between the log/coal medium to allow the gas to flow freely.

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



* PLACE CINDER EFFECT GRANULES TO A MAXIMUM DEPTH OF 20MM COVERING OVER THE TOP OF THE BURNER TUBE





GFG 2.7 LOG SET ARRANGEMENT



Logset Location (3.0 Model) BURNER CONNECTION & ASSEMBLY

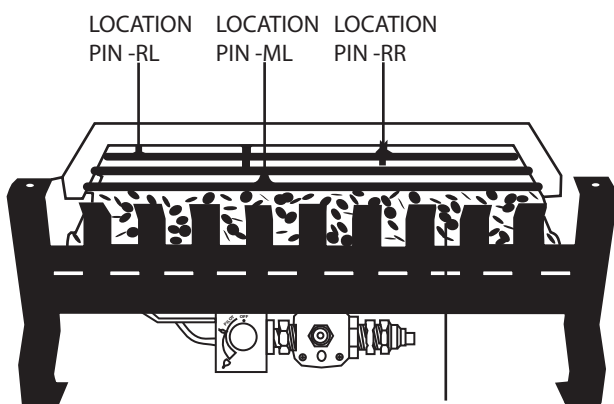
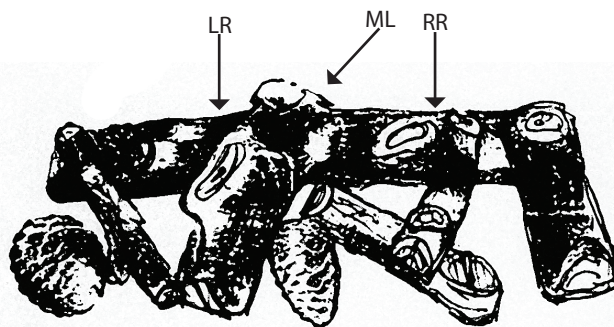
LOG/COAL ASSEMBLY

1. Remove log frame from the burner tray by pulling upwards.
2. Fill the burner tray with the 'Cinder Effect Granules' provided until the tray and burner tube is completely covered over with an approx. 18-20mm thick layer of the 'Cinder Effect Granules'.
3. Replace log frame into position and press down firmly.
4. Using small pieces of 'Glowool' about the size and thickness of a 10 cent piece place a few pieces at random over the granules and log frame.
5. Assemble the logs/coins. Place large logs RL & RR on the locating pins at the back of the log frame. Then place coals at random along the front of the burner tray. Add balance of logs/coins as shown in diagram. If coals or pebble effect only is being used, place the coals/pebbles randomly along the burner and allow 15 - 20 mm gaps between.
6. After lighting the fire (See Lighting Instructions) use a screwdriver or tongs to fine tune the log/coal spacing. Place some extra thin pieces of Glowool between the spaces in order to achieve a realistic flame pattern.

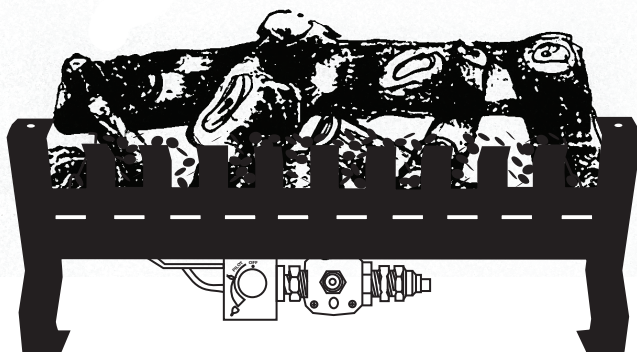
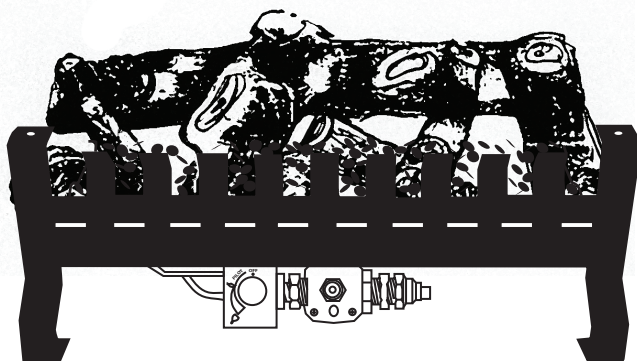
WARNING – Care must be taken when performing this procedure to prevent personal injury.

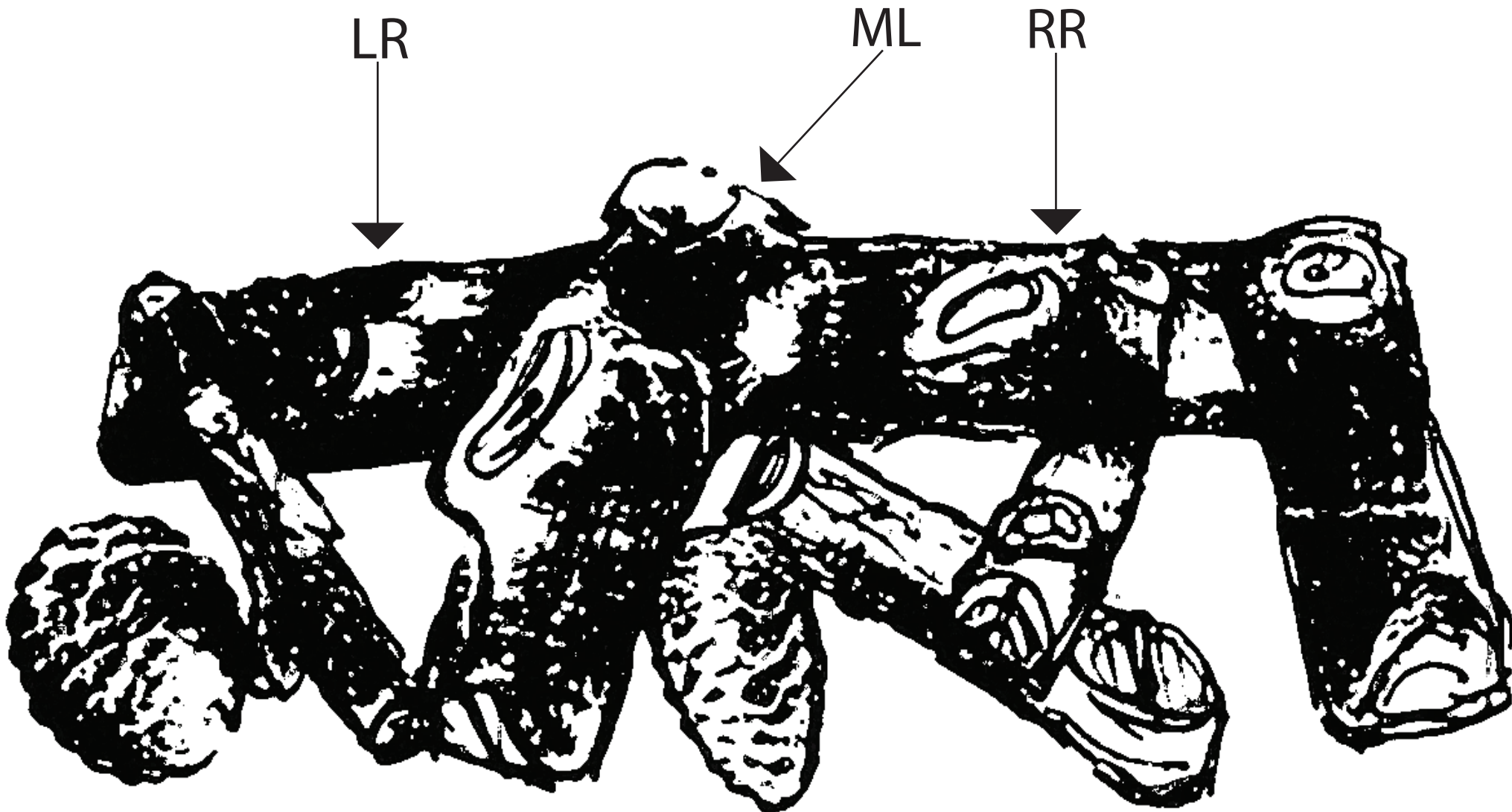
DO NOT clog or choke the burner with additional logs/coins. Allow 15-20mm gaps between the log/coal medium to allow the gas to flow freely.

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



* PLACE CINDER EFFECT GRANULES TO A MAXIMUM DEPTH OF 20MM COVERING OVER THE TOP OF THE BURNER TUBE





GFG 3.0 LOG SET ARRANGEMENT



Logset Location (3.5 Model) BURNER CONNECTION & ASSEMBLY

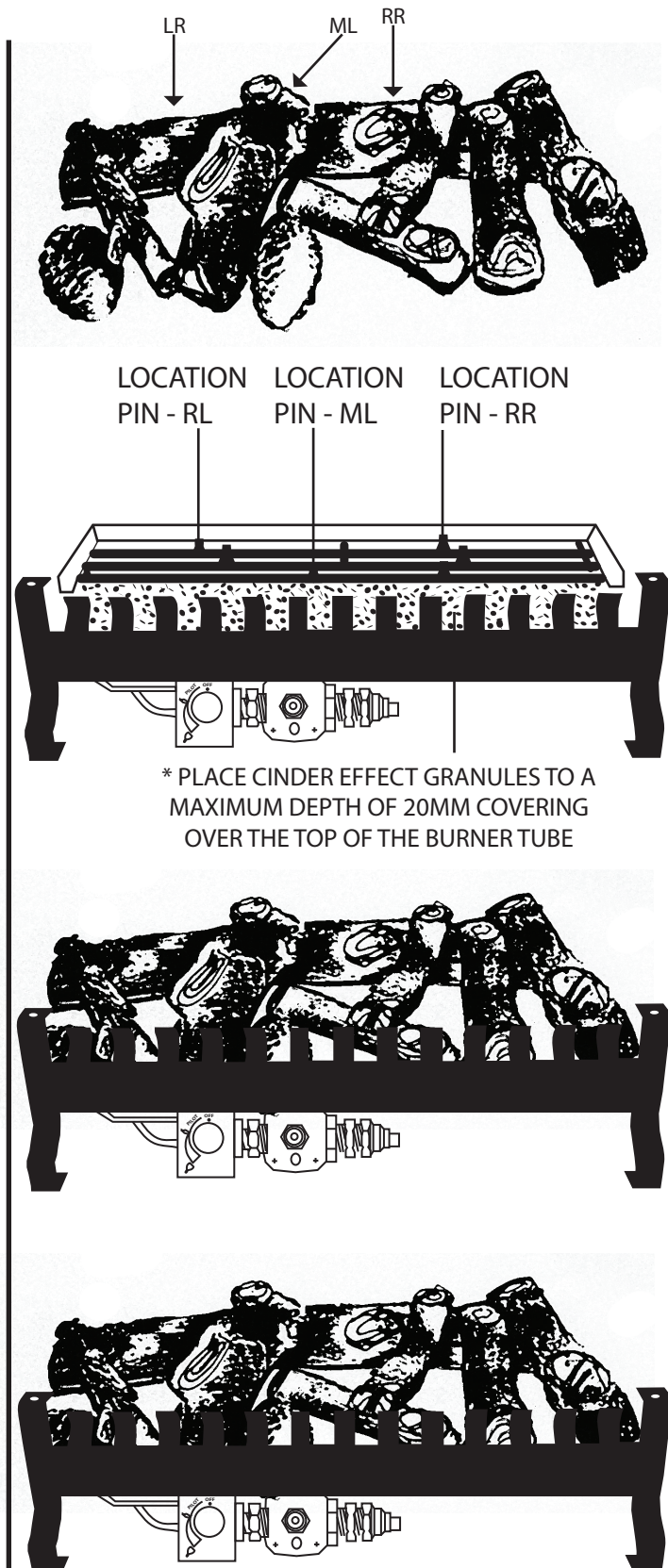
LOG/COAL ASSEMBLY

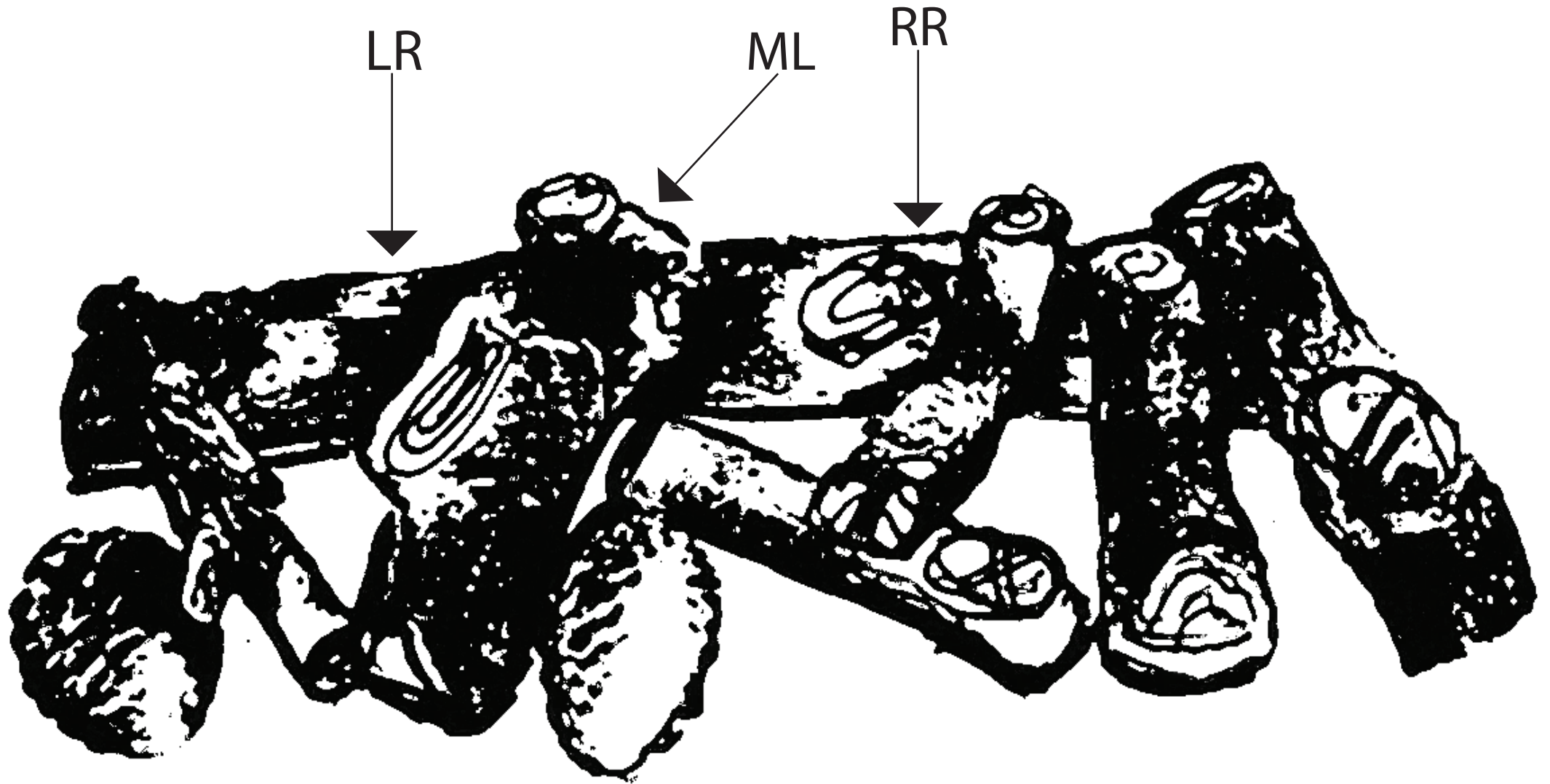
1. Remove log frame from the burner tray by pulling upwards.
2. Fill the burner tray with the 'Cinder Effect Granules' provided until the tray and burner tube is completely covered over with an approx. 18-20mm thick layer of the 'Cinder Effect Granules'.
3. Replace log frame into position and press down firmly.
4. Using small pieces of 'Glowool' about the size and thickness of a 10 cent piece place a few pieces at random over the granules and log frame.
5. Assemble the logs/coins. Place large logs RL & RR on the locating pins at the back of the log frame. Then place coals at random along the front of the burner tray. Add balance of logs/coins as shown in diagram. If coals or pebble effect only is being used, place the coals/pebbles randomly along the burner and allow 15 - 20 mm gaps between.
6. After lighting the fire (See Lighting Instructions) use a screwdriver or tongs to fine tune the log/coal spacing. Place some extra thin pieces of Glowool between the spaces 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 15-20mm 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.





GFG 3.5 LOG SET ARRANGEMENT



LIGHTING BURNER & COMMISSIONING

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 anti-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).

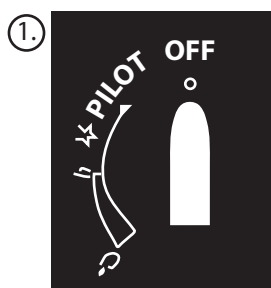


Fig 1.

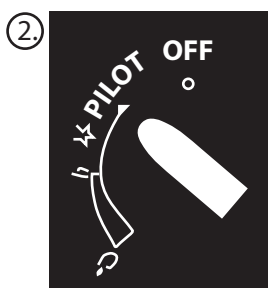


Fig 2.

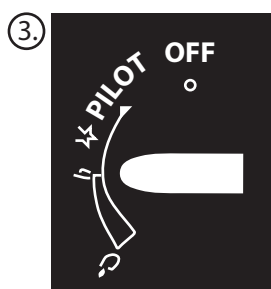


Fig 3.

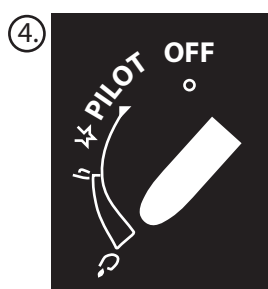


Fig 4.

COMMISSIONING PROCEDURE

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

1. Light the fire burner and allow to warm up for 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 the full width of the opening. The smoke should be drawn away and up the chimney or flue.
3. Repeat the test with all windows, 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/coals 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"> 1. Vacate premises immediately. 2. Shut down gas supply at your gas meter. 3. Do not operate any electrical appliances – phones included. 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.
Pilot won't light	<ol style="list-style-type: none"> 1. Pressure too Low. Set to correct pressure. 2. Check for spark at electrode. If none, check lead connection. If not solved replace electrode.
Pilot light does not stay on	<ol style="list-style-type: none"> 1. Light pilot and keep knob depressed for 30 seconds before releasing. If pilot does not stay on, replace Thermocouple.
Main flame goes out or very little flame	<ol style="list-style-type: none"> 1. Check for correct pressure. 2. Check for faulty thermocouple. 3. Excessive draught can cause flame to extinguish.