



Radiant Powerflue

**DECORATIVE FUEL EFFECT
POWERFLUE GAS FIRE**

Installation and Maintenance Instructions

Hand these instructions to the user

Model No's MPFCMN is for use on Natural Gas (G20) at a supply pressure of 20 mbar in G.B. / I.E.**

**** denotes trim & fret variant**

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This appliance is manufactured by:-

CFM Europe Ltd, Trentham Lakes, Stoke-on-Trent, ST4 4TJ

**SECTION 1
INFORMATION AND REQUIREMENTS**

1.0 APPLIANCE INFORMATION

Model	MPFC**MN
Gas Type	G20
Main injectors (2 off)	Size 260
Pilot Type	Copreci Single Flame 21100 / 141
Max. Gross Heat Input :	6.9 kW
Min. Gross Heat Input :	4.2 kW
Cold Pressure :	19.0 +/-1.0 mbar
Ignition :	Push-button Piezo
Supply Voltage :	230V a.c.
Supply Frequency :	50Hz
Supply Fuse :	3 Amp (Fixed Fused Spur) to BS 1362
Power Input :	90W
IP Rating :	IP23
Electrode Spark Gap	4.5mm
Packed Weight (with fender / trim)	28 kg

Fire box Dimensions (with trim's fitted)

Width :	(with standard trim, no spacer)	480mm
Height :	(with standard trim, no spacer)	586mm
Depth :	(overall-without fender)	170mm
Depth :	(overall-with spacer fitted)	120mm

Gas Connection : 8mm Compression (Supplied with fire)

INSTALLATION REQUIREMENTS

1.1 CONDITIONS OF INSTALLATION

It is the law that all gas appliances are installed in accordance with the rules in force only by a CORGI Registered Installer in G.B, in accordance with these installation instructions and the Gas Safety (Installation and Use) Regulations 1998 as amended. Failure to install appliances correctly could lead to prosecution. It is in your own interest and that of safety to comply with the law.

The installation must also be in accordance with all relevant parts of the Local and National Building Regulations where appropriate, the Building Regulations (Scotland Consolidation) issued by the Scottish Development Department, and all applicable requirements of the following British Standard Code of Practice.

1. B.S. 5871 Part 3 Installation of Decorative Fuel Effect Gas Fires
2. B.S. 6891 Installation of Gas Pipework
3. B.S. 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. B.S. 1251 Open fire place components
5. B.S. 715 Metal flue pipes for gas appliances
6. B.S. 6461 Part 1 Installation of Chimneys and flues
7. I.S. 813 : 1996 Domestic Gas Installation (Republic of Ireland)

No purpose made additional ventilation is normally required for this appliance, when installed in G.B. When installing in I.E. please consult document I.S. 813 : 1996 Domestic Gas Installation, which is issued by the National Standards Authority of Ireland. If installing in Northern Ireland, please consult local building regulations. Any purpose made ventilation must be checked periodically to ensure that it is free from obstruction.

1.2 FLUE TERMINAL POSITION

The minimum acceptable dimensions from the flue terminal to obstructions and ventilation openings are shown below in fig. 1 and listed in the table (Fig. 2 below)
IT IS IMPORTANT THAT THE POSITION OF THE FLUE ALLOWS THE FREE PASSAGE OF AIR ACROSS IT AT ALL TIMES.

Fig. 1

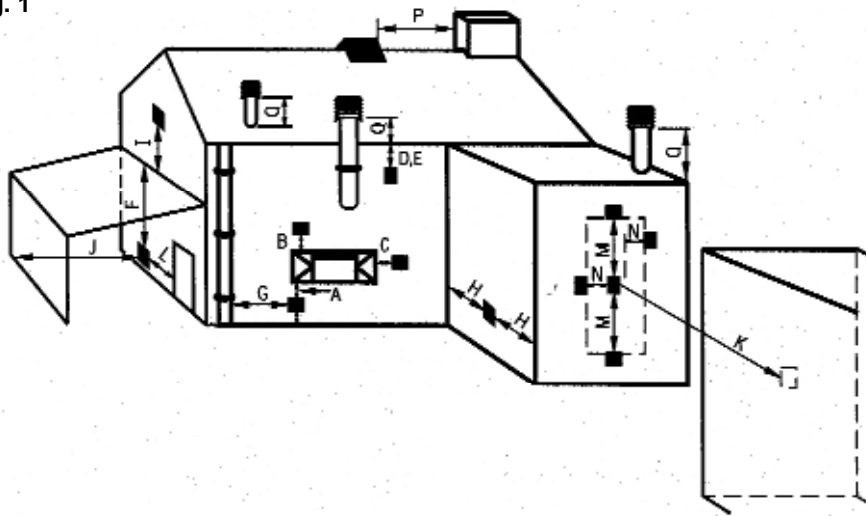


Fig. 2

DIMENSION	TERMINAL POSITION	MINIMUM DIMENSION
A	Directly below an opening, air brick, opening window	300mm (12 in.)
B	Above an opening, air brick, opening window	300mm (12 in.)
C	Horizontally to an opening, air brick, opening window etc.	300mm (12 in.)
D	Below gutters, soil pipes or drain pipes	75mm (3 in.)
E	Below eaves	200mm (8 in.)
F	Below balconies or car port roof	200mm (8 in.)
G	From a vertical drain pipe or soil pipe	150mm (6 in.)
H	From an internal or external corner	200mm (8 in.)
I	Above ground roof or balcony level	300mm (12 in.)
J	From a surface facing the terminal	600mm (24 in.)
K	From a terminal facing the terminal	1200mm (48 in.)
L	From an opening in the car port	1200mm (48 in.)
M	Vertically from a terminal on the same wall	1500mm (59 in.)
N	Horizontally from a terminal on the same Wall	300mm (12 in.)
O	From the wall on which the terminal is mounted	50mm (2 in.)
P	From a vertical structure on the roof	N/A
Q	Above intersection with roof	150mm

1.3 FIREPLACE / SURROUND SUITABILITY

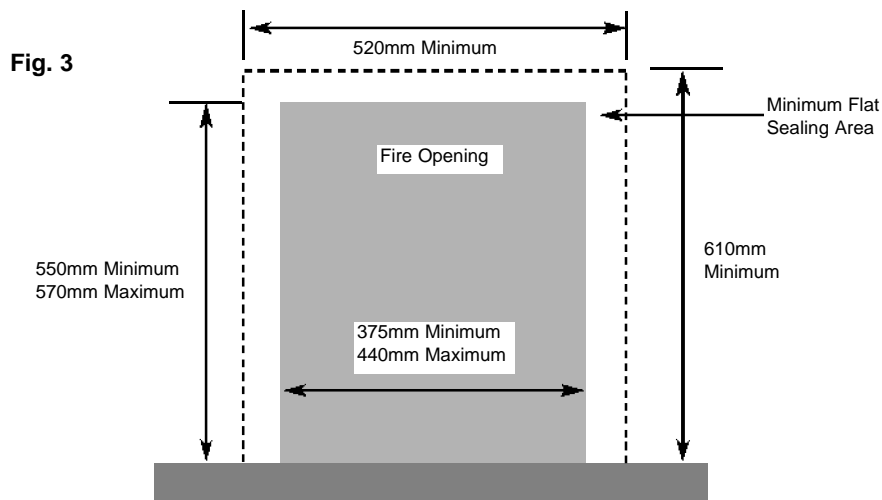
The fire must only be installed on a hearth it **must not be installed directly onto carpet or other combustible floor materials.**

The fire is suitable for fitting to non-combustible fire place surrounds and proprietary fire place surrounds with a temperature rating of at least 150°C.

If a heating appliance is fitted directly against a wall without the use of a fire surround or fire place all combustible material must be removed from behind the trim. Soft wall coverings such as blown vinyl, wall paper etc. could be affected by the rising hot air and scorching and/or discoloration may result. Due consideration should be made to this when installing or decorating.

1.4 FIRE PLACE OPENING

The front opening of the fire place must be between 375 and 440 mm wide, and between 550 and 570mm high. If the opening exceeds these dimensions then a surround must be constructed from suitable non-combustible material to produce a correct size opening. Any surround must be suitably sealed to the fire place to prevent leakage. See below in fig.3



1.5 SHELF POSITION

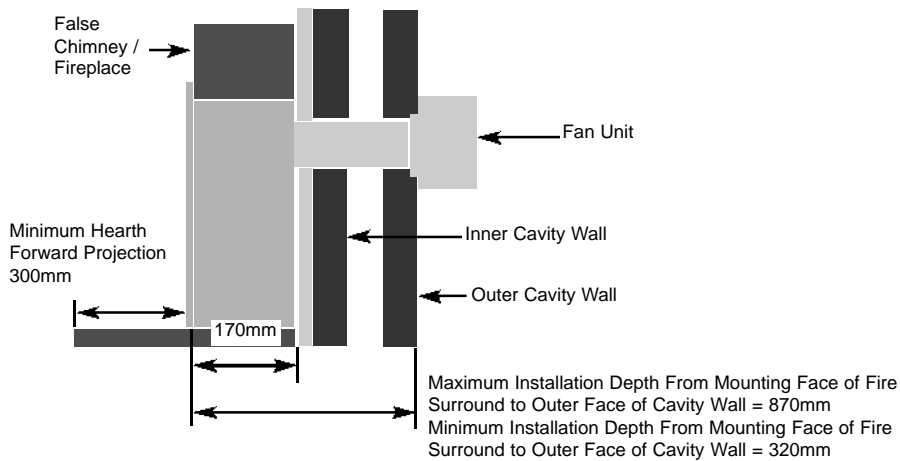
The fire may be fitted below a combustible shelf providing there is a minimum distance of 200mm above the top of the fire and the shelf does not project more than 150mm. If the shelf overhangs more than 150mm the distance between the fire and the shelf must be increased by 15mm for every 25mm of additional overhang over 150mm.

1.6 INSTALLATION TYPES

This fire can be fitted against an outside facing flat wall surface or into a fireplace opening cut into the wall.

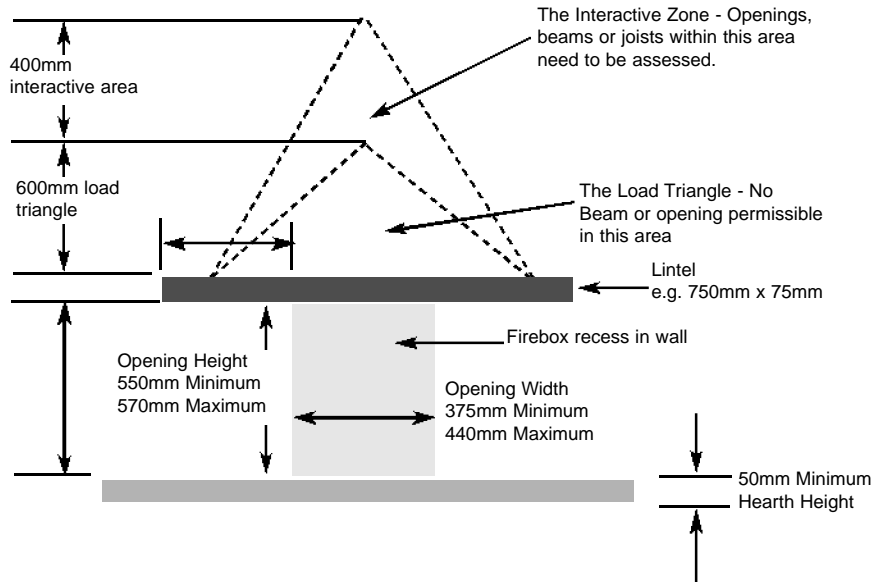
When fitting the fire in front of the inner cavity wall, the distance between the mounting face of the fire and the rear face of the firebox (170mm nominally), a false chimney breast or fireplace surround should be constructed. The firebox must then be secured into the fireplace using the method described in section 2. Any combustible material must be removed from the area around the firebox flange. In all installations, ensure that there is no structural damage to the property or the damp course. See fig. 4 below

Fig. 4



When fitting the fire into a cavity wall, this requires the opening of the inner leaf of brickwork, to recess the firebox into. The opening needs to be sufficient to accommodate the firebox. To support the wall above the hole, a suitable lintel must be inserted across the top of the opening. If fitting the appliance into a cavity wall, a lintel 750mm long having a thickness of 75mm with a height of the inner wall should be used. The lintel could be either pre-cast concrete or steel - Catnic CN52 or CN 46 could be used, depending upon the inner wall thickness. Before proceeding with the installation of the fire, an assessment of the area immediately above the fire is required, see Fig. 5 overpage. If there is no existing openings within either triangle, proceed with forming the opening. However, if opening or beams occur within either triangle, then you should seek specialist advice from a structural engineer or consider relocating the proposed position of the firebox.

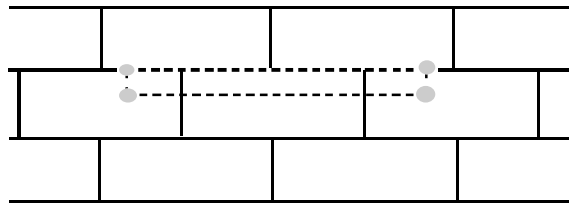
Fig. 5



To proceed with the installation when the above stated criteria have been satisfied :-

Mark out where possible, centrally beneath a block joint where the lintel is to be fitted. Unless lime mortar has been used it will be necessary to drill four holes with a masonry drill, then use a mechanical cutter such as a "shark saw" to cut out the correct size of slot in the inner leaf of brickwork for the lintel you have chosen to install. See fig. 6 below.

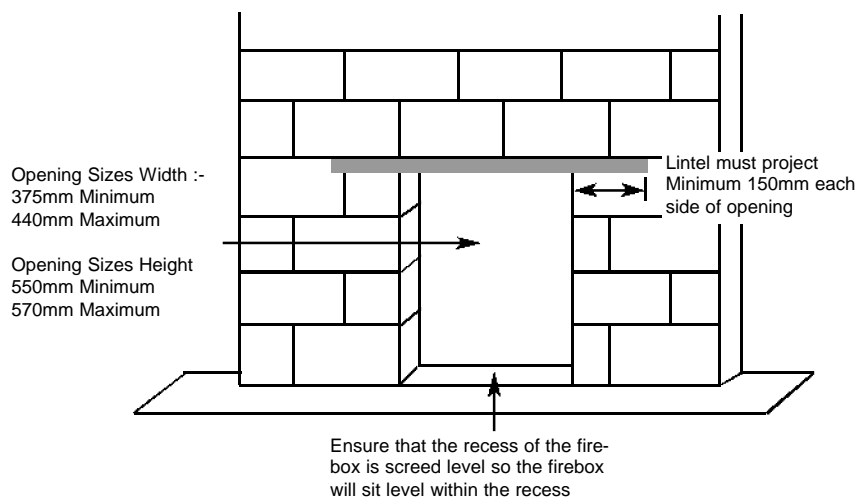
Fig. 6



Fit the lintel, ensure that it is bedded on mortar. Do not bed on a dry bed. Then remove all debris from the cavity and construct the opening to the minimum / maximum opening sizes as shown overpage (fig. 7) and in section 1.4, (fig. 3)

Remove any combustible material from within the area of the opening. No combustible material can be allowed to come into contact with any area of the appliance.

Fig. 7



1.7 HEARTHES

This appliance must only be installed on to a concrete or non-combustible hearth. The hearth material must be a minimum thickness of 12mm with the top surface at least 50mm above the floor. The hearth must be fitted symmetrically about the fire opening and have a minimum width of 760mm and a minimum projection of 300mm forwards from the fire opening. If the black spacer frame is used, the hearth projection forward from the fireplace opening will require to be 350mm.

1.8 SPILLAGE MONITORING SYSTEM

This appliance is fitted with an atmosphere sensing spillage monitoring system in the form of an oxygen sensing pilot. This is designed to shut the fire off in the event of a partial or complete blockage of the flue pipe causing a build up of combustion products in the room in which the fire is operated. **The following are important warnings relating to this spillage monitoring system :-**

- 1) The spillage monitoring system must not be adjusted by the installer.
- 2) The spillage monitoring system must not be put out of operation.
- 3) When the spillage monitoring system is exchanged only a complete original manufacturers part may be fitted. It is not possible to replace individual parts on the pilot system on this appliance, only a complete pilot assembly (including the thermocouple) may be fitted.

SECTION 2 INSTALLATION OF FIRE

2.1 UNPACKING THE FIRE

Carefully lift the fire out of the carton. Remove the loose item packaging carefully from the front of the appliance. Check the contents as listed :-

Packing Check List

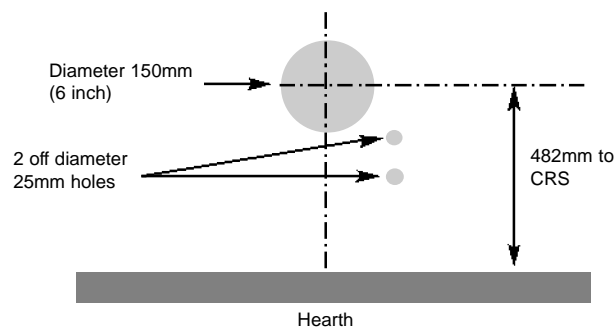
1off	Fire box / burner assembly
1off	Boxed fuelbed base, ceramic front rail and 18 coals
1off	Loose items bag.
1off	Flue Tube
1off	Fan Unit
1off	Flue Collar & Seal
1off	Cable Fixing Kit
1off	Boxed fret and ashpan
1off each	User instruction book and Installation book

2.2 MARKING THE FIREBOX RECESS

Drill a pilot hole into the outer leaf of brickwork at a height of 482mm from the hearth level, centrally about the firebox, then using a core drill, drill a hole of 150mm (6 inch) diameter, centrally about the horizontal line drawn above the level of the hearth, and vertically central to the centre line of the appliance. See fig. 8 below.

NOTE : If the fire is to be fitted against the inner cavity wall, the inner and outer cavity walls will require drilling.

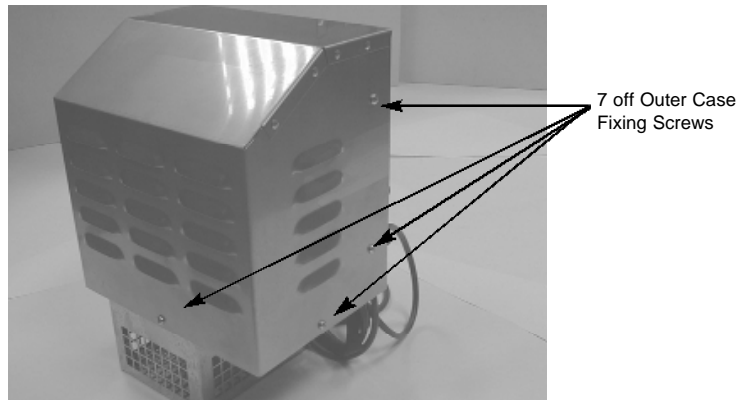
Fig. 8



2.3 FITTING THE FAN UNIT / FIREBOX

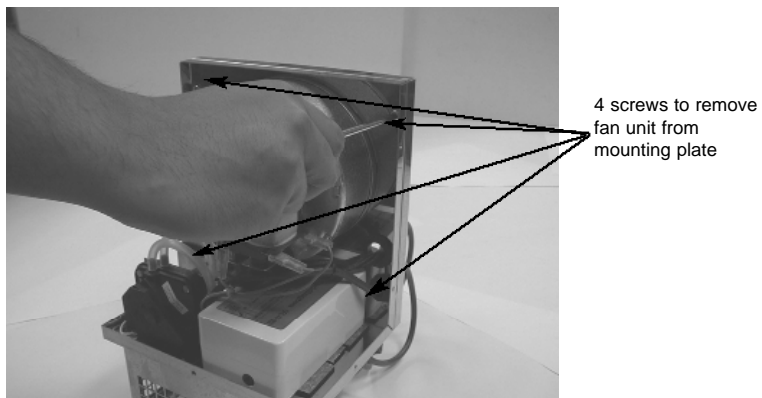
- a) Remove the 7 outer case fixing screws which hold the fan unit cover in place. See fig. 9 below.

Fig. 9



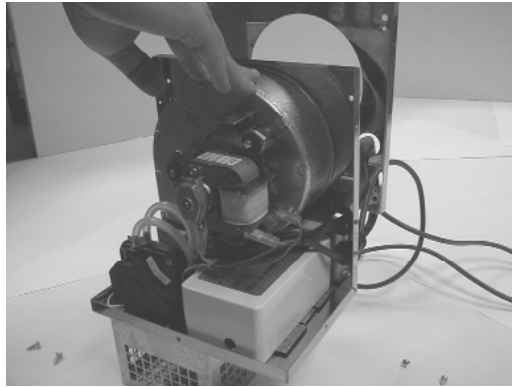
- b) Remove the fan mounting plate from the main body of the fan unit by removing the four screws from the fan unit as indicated below in fig. 10

Fig. 10



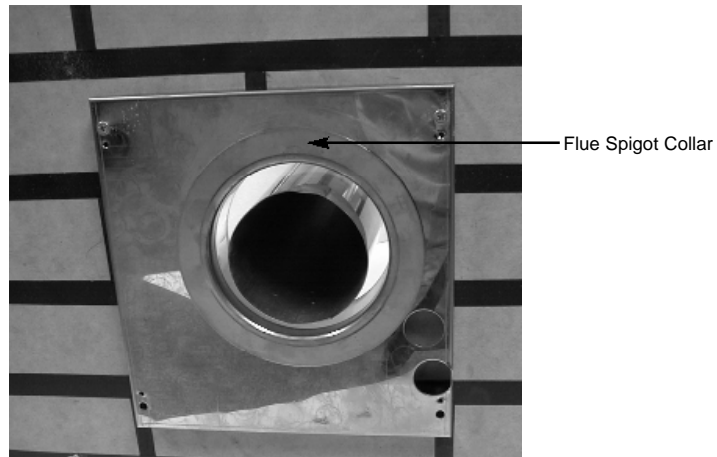
- c) When the fan mounting plate screws have been removed, slide the fan mounting plate cover over the wiring harness and mains cable as shown below in fig. 11, taking care not to damage the wiring harness / cables

Fig. 11



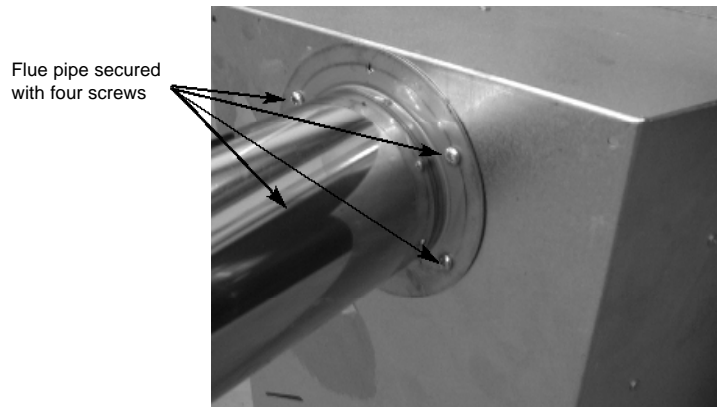
- d) Screw the fan mounting plate you have just removed centrally about the hole drilled in the outer cavity wall, using the 4 screws and rawplugs provided. Insert flue spigot collar into the hole cut in the outer cavity wall as shown below in Fig. 12.

Fig. 12



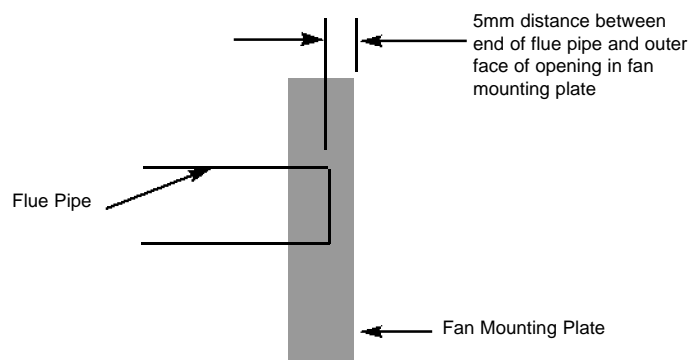
- e) Screw the flue pipe & gasket to the rear of the firebox using the 4 off screws provided. See fig. 13 below.

Fig. 13



- f) Locate the fire into the fireplace opening / surround and locate the flue pipe into the fan mounting plate as shown on the previous page in Fig. 12. The spigot ring has an amount of play within it to account for tolerances in the hole alignment. Mark the flue pipe and cut to length, ensuring that it finishes 5mm before the mounting panel opening. See fig. 14 below.

Fig. 14



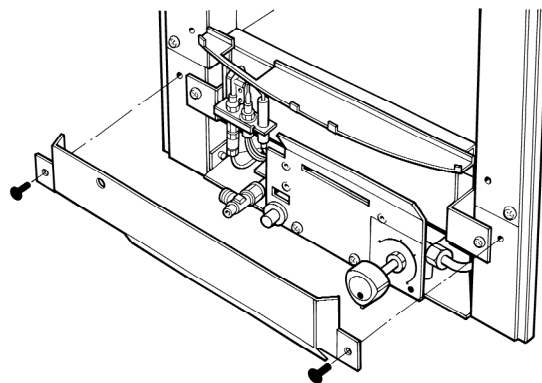
NOTE : A suitable cutting blade should be used to cut the flue pipe to length. It is recommended that a 32 T.P.I. blade is used.

- g) Remove the fire from the fireplace opening and remove any burrs from the cut edge of the flue pipe.

Proceed as follows to remove the burner assembly from the firebox :-

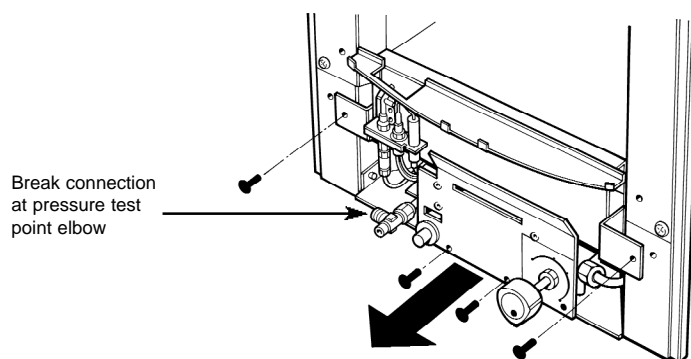
- h) Remove the trim. Remove the burner heat shield from the front of the fire box to allow access to the burner, as shown below in fig. 15

Fig. 15



- i) Break the connection between the pressure test point elbow and the solenoid block. Remove the four retaining screws securing the burner to the firebox. The base of the burner unit can now be pulled forward, allowing the burner to be removed from the fire box. See fig. 16 below.

Fig. 16



- j) Whilst the fire box is still in position, decide which side the gas supply is to enter the fire from. If concealed pipe work is required plan the pipe run to enter the fire box through one of the openings in the sides of the fire box below the fuelbed support panel and connect to the isolating / inlet elbow. The gas connection to the appliance should be made to the isolating / inlet elbow using 8mm rigid tubing. There must be no soldered joints within the firebox. See fig. 17 & 18 below for suggested concealed pipe layouts.

Fig. 17

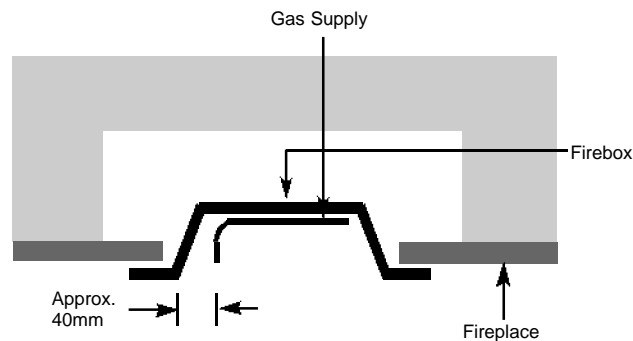
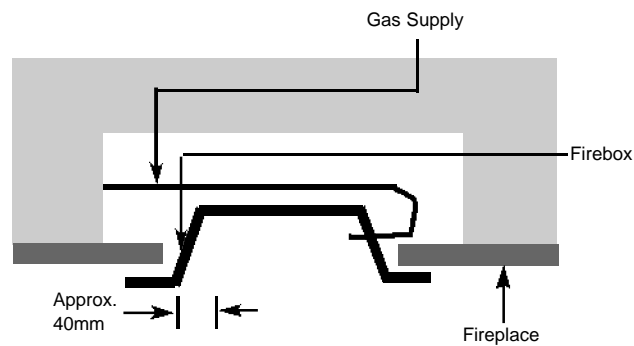


Fig. 18



Note : Before breaking into the gas supply a gas tightness test should be carried out to establish that the existing pipework is sound.

Carefully withdraw the fire box from the opening to enable the gas supply and fire fixing to be completed.

Depending on whether the 50mm balck spacer option has been selected, there is a choice of methods of fixing the firebox which are provided to enable the installer to deal with any type of installation.

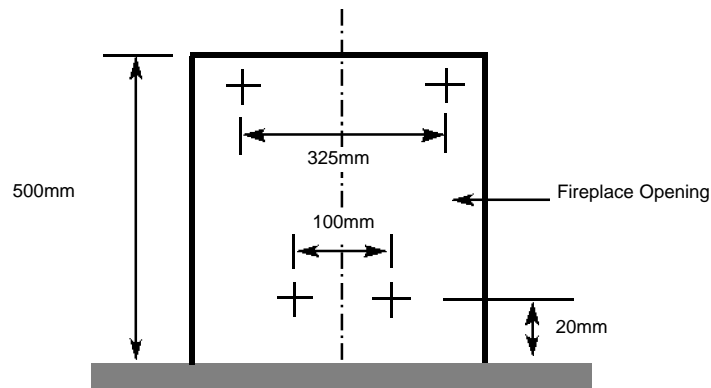
The preferred method of fixing which is suitable for almost all situations is the cable fixing method which is described in the following section in detail.

If the 50mm black spacer is used, the fire may be secured using the cable method as described below, or alternatively, in installations where the cable method is not suitable (eg. loose masonry in rear of fire opening) the spacer may be removed from the fire box and secured to the fire surround using protruding screws which engage on to the key hole slots on the rear face of the spacer. The spacer will then need to be sealed to the fire surround. The fire box can then be refitted to the spacer. The foam seal (supplied) must be fitted around the perimeter of the spacer in a "goalpost" arrangement to ensure a seal is achieved to the fireplace.

To fit using the **preferred** cable method proceed as follows-

- k) Mark out and drill 4 off No 14 (6mm) holes in the back face of the fire opening in the positions shown below in fig. 19

Fig. 19



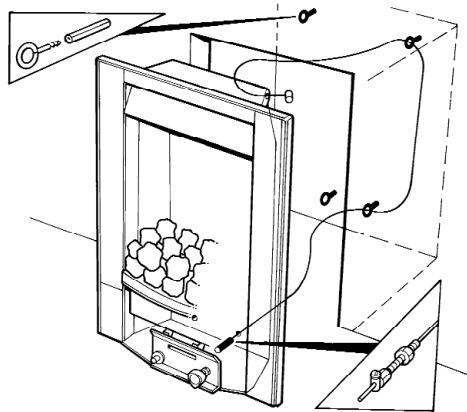
Fit the wallplugs provided and screw the fixing eyes securely into the rear of the fire opening.

- l) Uncoil the two fire fixing cables and thread one end of each of the cables through one of the two holes on each side of the flue outlet shroud.
- m) Position the fire carefully on the (protected) surface of the hearth and reach into the fire opening. Thread each of the cables vertically downwards through the pair of fixing eyes on the same side of the fire. Thread the free end of the cables through the corresponding circular

hole on each side of the lower rear of the fire. Carefully slide the fire box back into the fire opening and pull both cables tight.

- n) Thread a tensioning screw over each of the cables and ensure that the tensioning nut is screwed fully up against the hexagon shoulder of the tensioning screw (this provides maximum travel for the tensioning nut).
- o) Fit a screwed nipple on to each of the cables and pull hand tight up against the tensioning screw, then secure each nipple with a flat bladed screwdriver. See fig. 20 below

Fig. 20



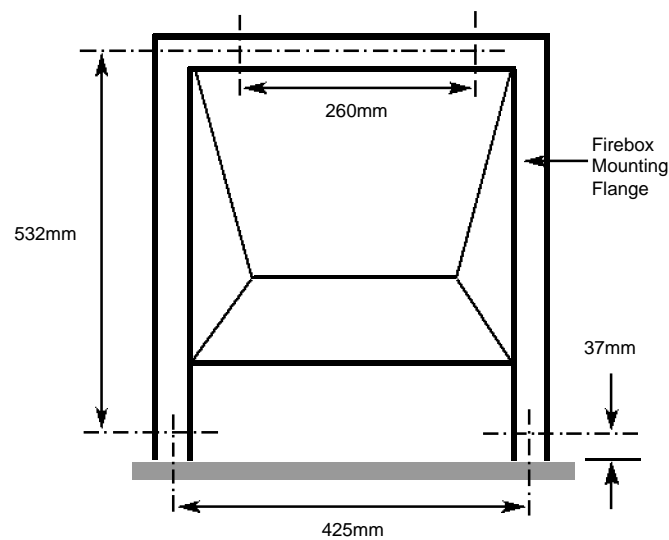
- p) Evenly tighten the tensioning nuts to tension both cables and pull the fire snugly against the wall. Do not overtighten, it is only necessary to pull the seal up against the sealing face of the wall, it does not need to be compressed. Check that there are no gaps behind the seal.
- q) With the fire securely in place, if a concealed gas connection has been made through either of the access holes in the sides of the fire, the holes should be closed around the pipe to prevent leakage of air through the gap around the pipe, with the length of foil tape provided.
- r) Refit the burner. Fit the four retaining screws and check that the burner is correctly locked into position. Reconnect the solenoid pipe to the burner assy. and carry out a gas tightness test.
- s) Refit the front burner heat shield to the sides of the fire box (2 Screws) and secure the trim to the fire using the magnets provided.

- t) **Before making the final gas connection, thoroughly purge the gas supply pipework to remove all foreign matter, otherwise serious damage may be caused to the gas control valve on the fire.**

The other firebox fixing method is as follows :-

In installations where the cable method is not suitable (e.g. loose masonry in rear of fire opening) the firebox can be secured to the fire surround using four screws and wall plugs provided. Below (fig. 21) is a diagram to indicate the hole centre positions available on the firebox to facilitate the screw fixing to the fireplace / surround.

Fig. 21



2.4 MAKING THE ELECTRICAL CONNECTION

- a) Remove the fan box cover as shown in fig. 9 (page 12) if you have not already done so.
- b) Feed the mains cable and wiring harness through the hole in the fanbox mounting wall plate and connect to a 3A fixed fused spur, within the room to which the appliance will be installed. If an extension to this cable is required, this must be completed with a junction box in line with the latest I.E.E. regulations.
- c) Temporarily fix the fan unit to the wall mounting plate.

NOTE : If the supply cable is in any way damaged, do not proceed with installation, call the manufacturer or service agent to arrange for a new cable to be fitted.

IT IS ESSENTIAL THAT ONLY A 3 AMP FUSE IS FITTED TO THE SPUR. FAILURE TO DO SO MAY CAUSE SERIOUS DAMAGE TO THE ELECTRONIC CONTROL SYSTEMS WITHIN THE PRODUCT. DO NOT SWITCH ON THE ELECTRICAL SUPPLY UNTIL THE BURNER HAS BEEN RE-FITTED AND A GAS SOUNDNESS CHECK HAS BEEN COMPLETED.

Check that the supply voltage to the appliance is 230v (+/- 5%).

The means of disconnection from the supply must have a minimum contact separation of 3.0mm in all poles, and be in an accessible position, following installation of the fire.

2.5 MAKING THE GAS CONNECTION

The gas connection should be made in accordance with fig. 17 & 18 on page 16.

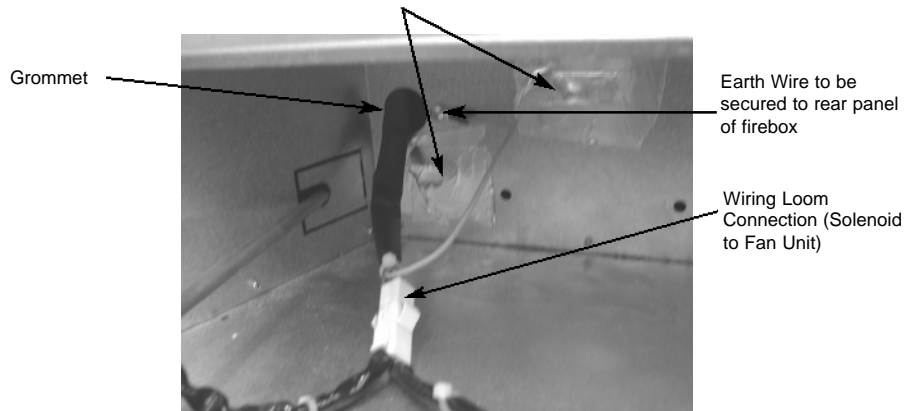
If the appliance is to be routed through a floor or wall the pipe must be sleeved or enclosed in a suitable protective sleeve.

2.6 MAKING THE SOLENOID / WIRING LOOM CONNECTION

Feed the control cables for the solenoid and earth wire through the grommet on the rear left hand side of the firebox (when viewed from the front), and connect the solenoid plug and earth lead to the wiring loom from the fan unit. See fig. 22 overpage. Also connect the two flying leads to the fan control switch (Right Hand side)
IT IS ESSENTIAL THAT THE EARTH LEAD IS FITTED. THIS WIRE IS LOW VOLTAGE 24V. SEE FIG. 22 OVERPAGE FOR DETAILS OF THE EARTH WIRE CONNECTION.

Fig. 22

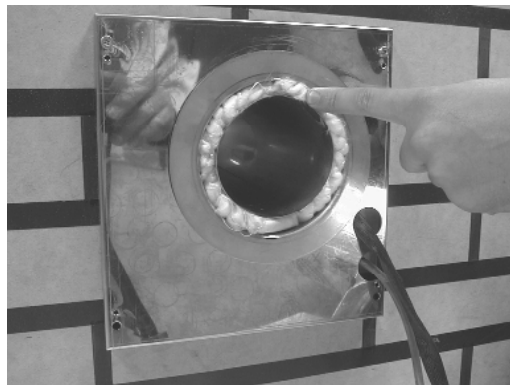
Any cut-outs in the rear panel not used must be sealed with the length of foil tape supplied in the loose items pack



2.7 FINAL FITTING OF THE FAN UNIT

- a) Fit the flue spigot ring over the flue pipe, and then insert the circular rope seal into the gap between the flue spigot ring and the flue pipe as shown below in fig. 23.

Fig. 23



- b) Refit the fan box to the wall plate using the four No. 10 screws provided, taking extreme care not to trap any wiring. Check that there are no gaps between the fan box seal and the wall plate. See fig. 24 and 25 overpage.

Fig. 24

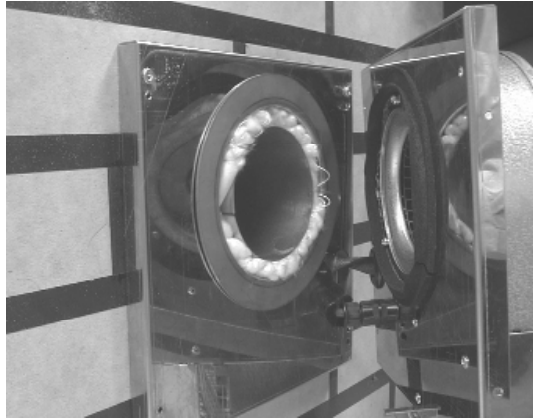
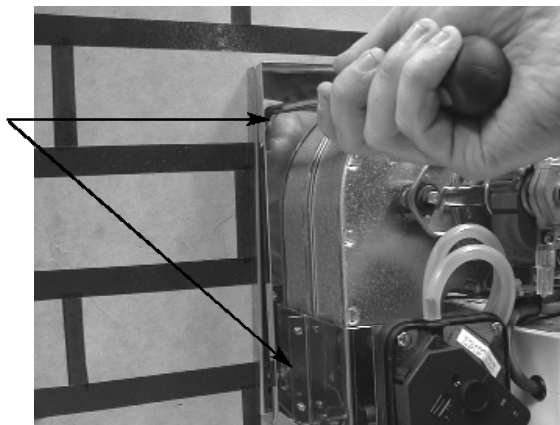


Fig. 25

Fan unit secured to fan mounting plate with 1 off screw in each corner as shown below



Refit the fan unit cover with the seven screws as removed in fig. 9 on page 12. Seal any gaps in the brickwork to prevent moisture ingress. **Do not under any circumstances block any ventilation openings in the fan unit cover.**

IF YOU HAVE INSTALLED THIS PRODUCT INTO THE CAVITY, YOU MUST CHECK YOU HAVE COMPLIED WITH THE REQUIREMENTS OF ALL LOCAL & NATIONAL BUILDING REGULATIONS.

2.8 GAS TIGHTNESS AND INLET PRESSURE

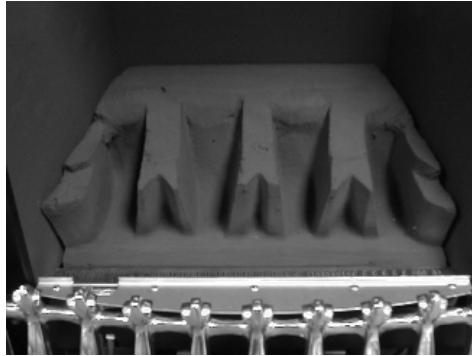
- a) Remove the pressure test point screw from the inlet elbow and fit a manometer.
- b) Turn on the main gas supply and carry out a gas tightness test.
- c) Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to purge the pipe work then press the igniter button. The burner should light, continue to hold the control knob for a few seconds then turn to the full-on position.
- d) Check that the gas pressure is **19.0 mbar (+/- 1.0mbar) 7.6 in w.g.(+/- 0.4 in w.g.) for NG models**
- e) Turn off the fire, remove the manometer and refit the pressure test point screw. Check the pressure test point screw for gas tightness with the appliance turned on using a suitable leak detection fluid or detector.

SECTION 3 ASSEMBLING FUEL BED AND COMMISSIONING

3.1 ASSEMBLING THE CERAMICS AND FUEL BED

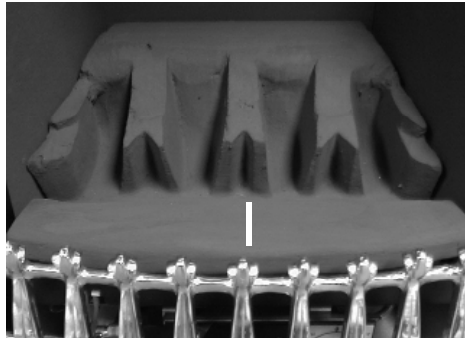
- a) Place the ribbed ceramic fuelbed base on top of the fuelbed support and pull fully forwards to the burner. **Make sure that the fuelbed base is located centrally in the fire box. Ensure that the fuelbed base fit fully down onto the fuel bed support and is not lodged on the burner. See fig. 26 below.**

Fig. 26



- b) Position the two halves of the front ceramic (L/H & R/H) on the locating channel in the front ceramic, ensuring it is located onto the lip on the burner front ceramic support. (See fig. 27 below)

Fig. 27



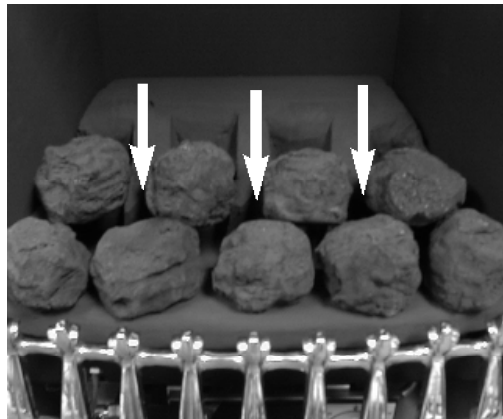
- c) Fit five of the large sized coals onto the front ceramic rail, ensuring that they are evenly spaced. Use the recess's in the front ceramic rail as a guide for placement. (See fig. 28 below)

Fig. 28



- d) Select four of the large coals and arrange behind the front row of coals, ensuring that flame paths as indicated below are not interrupted. (See fig. 29 below)

Fig. 29



- e) Select three of the large coals and arrange along the rear of the fuelbed, using the ribs in the rear of the fuelbed as a guide for placement. (See fig. 30 below)

Fig. 30



- f) Select the two small coals and position to fill the gaps at each end of the third row of coals, as shown. Fig. 31

Fig. 31



- g) Select the remaining four coals and position along the rear edge of the fuelbed (See fig. 32 below)

Fig. 32



The exact position and fit of the coals may be finely adjusted to give the most pleasing and random appearance.

Warning : Use only the coals supplied with the fire. When replacing the coals remove the old coals and discard them. Fit a complete set of coals of the correct type. Do not fit additional coals or any coals other than a genuine replacement set.

This appliance uses fuel effect pieces containing Refractory Ceramic Fibres (R.C.F.), which are man-made vitreous silicate fibres. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract. Consequently, it makes sense to take care when handling these articles to ensure that the release of dust is kept to a minimum. To ensure that the release of fibres from these R.C.F. articles is kept to a minimum, during installation & servicing we recommend that you use a HEPA filtered vacuum to remove any dust and soot accumulated in and around the fire, before and after working on the fire. When replacing these articles we recommend that the replaced items are not broken up, but are sealed within a heavy duty polythene bag, clearly labelled as "RCF waste". This is not classified as "hazardous waste" and may be disposed of at a tipping site licensed for the disposal of industrial waste. Protective clothing is not required when handling these articles, but we do recommend you follow the normal hygiene rules of not smoking, eating or drinking in the work area, and always wash your hands before eating or drinking. This appliance does not contain any component manufactured from asbestos or asbestos related products.

3.2 LIGHTING THE APPLIANCE

- a) Switch on the mains supply at the fixed fused spur.
- b) Turn on the gas isolation tap, which can be found at the back of the firebox.
- c) Switch on the fan by depressing the on/off switch on the right hand side of the burner control panel.
- d) After a short period, the fan will achieve optimum speed and the air pressure switch (in the fan unit) will detect sufficient air flow within the flue and operate the solenoid valve (this produces an audible click)
- e) Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to purge the pipe work.
- f) Continue to hold-in the control knob and press the igniter button. If the burner does not light, continue to press the igniter button until ignition occurs. Continue to hold the control knob for 5-10 seconds to allow the thermocouple to heat up, if the pilot goes out when the control knob is released, repeat the lighting sequence.
- g) Turn the control knob in the anti-clockwise direction to the high position and the main burner will light.
- h) Turn the control knob clockwise to the low position and the gas input will be reduced to the minimum setting.
- i) Slightly depress the control knob and turn to the pilot position, the main burner will go out but the pilot will remain lit.
- j) Slightly depress the control knob and turn to the off position, the pilot will now be extinguished.

WARNING : If the fire goes out for any reason or is turned off and it is necessary to re-light the fire it is important to allow the fire to cool for 3 minutes before attempting to re-light it.

3.3 CHECKING FOR CLEARANCE OF COMBUSTION PRODUCTS

- a) Close all doors and windows in the room.
- b) Light the fire and allow to run for approximately 5 minutes on high position.
- c) After approximately 5 minutes hold a smoke match just inside and below the centre of the lower front edge of the top of the fire. (It is recommended that a suitable smoke match holder is used when checking for clearance of combustion products). All smoke generated should be drawn back into the flue. If slight spillage occurs or if in doubt, repeat the test after a further 5-10 minutes. **If the test indicates that spillage is occurring, check that the supply voltage to the appliance is 230V (+/- 5%). If the supply voltage is outside these parameters, this could be causing the appliance to spill. Obtain the correct supply voltage and re-test the appliance from cold.**
- d) If spillage persists, the fan unit is not functioning correctly and a fault exists. If, after investigation the fault cannot be traced and rectified, the fire must be disconnected from the gas supply and expert advice obtained from the manufacturer.
- e) If there is an extractor fan fitted anywhere in the vicinity of the appliance, the spillage test should be repeated with the fan running on maximum and all interconnecting doors open.
- f) After ensuring that the fire is safe to use it should be left on high position to fully warm up. During this time a slight odour may be noticed, this is due to the "newness" of the fire and will soon disappear.

At this stage any minor adjustments to the pebbles / coals should be made using suitable long handled tongs and taking care not to damage the pebbles.

Finally, hand the Installation and Maintenance Instructions and the Users Instructions over to the customer and explain the operation of the fire.

SECTION 4 MAINTENANCE

Servicing Notes

Servicing should be carried out annually by a competent person such as a CORGI registered engineer. **This is a condition of the Mesina guarantee schemes.** The service should include visually checking the chimney and fire opening for accumulations of debris and a smoke test to check for a positive up-draught in the chimney.

The condition of the coals should be checked and **if necessary the whole set should be replaced with a genuine replacement set.**

The burner assembly is designed to be removed as a complete unit for ease of access. **After any servicing work a gas tightness test must always be carried out. Before carrying out any servicing work, the appliance must be disconnected from the electricity supply at the fixed fused spur.**

For Diagrams refer to Section 2

4.1 Removing the burner assembly from the fire.

- 4.1.1 Prepare work area (lay down dust sheets etc.)
- 4.1.2 Lift the trim and ash pan cover / fret out of the way and put them in a safe location. Remove the coals from the fuel bed. Remove the front ceramic from the rail. Unscrew the two pozi-driv fixing screws which secure the burner heat shield and remove it from the fire.
- 4.1.3 Isolate the gas supply at the valve behind the burner assembly, accessible through over the on / off switch at the RHS. Remove the inlet pipe from the appliance inlet elbow. Unscrew and remove the four screws which retain the burner. Remove the burner assembly from the fire. Disconnect the two leads from the on / off switch.
- 4.1.4 To refit the burner assembly. Re-connect the on / off switch wires (in any order). Push the base of the control panel fully into the fire and secure with the four screws. Refit the gas supply pipe and carry out a gas tightness test. Refit the burner heat shield then refit the fuelbed referring to section 3 for the correct layout. The trim and fret / ash pan cover can now be re-positioned.

4.2 Removing the Piezo Igniter

- 4.2.1 Remove the burner assembly as in section 4.1
- 4.2.2 Disconnect the ignition lead from the piezo and unscrew the retaining nut on the rear of the control panel. Withdraw the piezo from the front of the control panel. Re-assemble in reverse order and carry out a gas tightness test.

4.3 Removing the Control Tap from the fire.

- 4.3.1 Remove the burner assembly as in section 4.1.
- 4.3.2 Pull the control knob off the control tap spindle.
- 4.3.3 Loosen and remove the three gas pipe retaining nuts from the control tap and release the ends of the gas pipes from the control tap body. Loosen and remove the thermocouple securing nut from the end of the control tap.
- 4.3.4 Unscrew the control tap locknut from the front of the control panel and remove the control tap.
- 4.3.5 To refit a control tap, reassemble in reverse order noting that the control tap locates with a flat in the control panel. Carry out a gas tightness test after re-assembly.

4.4 Removing the Oxy-Pilot Assembly

Note : Because this appliance is fitted with an atmosphere sensing 'Oxy-Pilot' it is not possible to replace the thermocouple separately, because the thermocouple position is factory set to a tight tolerance. Any replacement of parts on the pilot requires a complete new pilot assembly.

- 4.4.1 Remove the burner assembly as in section 4.1
- 4.4.2 Unscrew and remove the thermocouple retaining nut from the end of the control tap and disconnect the ignition lead from the pilot electrode.
- 4.4.3 Unscrew and remove the two pozi-driv screws which secure the pilot assembly to the burner. Remove the pilot.
- 4.4.4 Re-assemble in reverse order and carry out a gas tightness test.

4.5 Removing the Solenoid Assembly

- 4.5.1 Isolate the appliance from the gas and electricity supply.
- 4.5.2 Remove the burner assembly as in section 4.1
- 4.5.3 Disconnect solenoid plug from the harness
- 4.5.4 Unscrew solenoid pipe from the retaining brackets (where fitted)
- 4.5.5 Remove solenoid from pipe and refit new solenoid. Re-assemble in reverse order and carry out a gas tightness test.

PARTS SHORTLIST

Replacement of any other parts must be carried out by a competent person such as a CORGI registered gas installer. The part numbers of the replaceable parts are as follows, these are available from CFM Europe Ltd, whose details may be found on the CFM Europe website, address as shown overpage.

Fuelbed front ceramics rails (L/H & R/H)	B-56330
Replacement coal set & ceramics	B-56960
L/H Fibre Board	B-56200
R/H Fibre Board	B-56210
Upper Rear Fibre Board	B-56230
Lower Rear Fibre Board	B-56220

This appliance must only be used with the the fret and ashpan supplied.

Due to our policy of continual improvement and development the exact accuracy of illustrations and descriptions contained in this book cannot be guaranteed

**Part No. B-85140
Issue 1**



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