

ENIGMA II

Owner's Book

INCLUDES USER, INSTALLATION & MAINTENANCE
INSTRUCTIONS

**Please read these instructions carefully before you start using the
appliance**

Keep this booklet handy for future reference

**This appliance is
for use in GREAT BRITAIN or IRELAND only**

AN FDC (UK) LTD PRODUCT

ENIGMA II Instructions

CONTENTS

CONTENTS	PAGE
User Instructions	3
SECTION ONE Introduction	3
Consumer Protection	3
Health and Safety	3
Introduction	3
SECTION TWO Operation	4
SECTION THREE Fuel Bed Cleaning and Layout	5
Coal Layout	5
Pebble Layout	8
SECTION FOUR Important information	10
INSTALLATION INSTRUCTIONS	12
SECTION FIVE Specification	12
SECTION SIX Regulations and Warnings	12
SECTION SEVEN Siting the Appliance	13
Class One	13
Class Two Fabricated Metal	14
SECTION EIGHT Fireplace Requirements	14
Hole in the Wall installations	15
Clearance to Shelf	16
Clearance to Side of Fire	16
Ventilation	16
SECTION NINE To Install the Appliance	16
Examine Flue /Chimney	16
Connecting to the Gas Supply	16
Gas Concealed Connection	17
Gas Connection From the Front	17
Fixing Fire into Opening	17
Optional Cable Fixing System	17
Checking Gas Soundness	18
Fuel Bed Layout	18
Checking Operation of Fire	18
Checking Product Clearance	18
Completion of Installation	19
Advise Customer That	19
MAINTENANCE INSTRUCTIONS	19
SECTION TEN Maintenance	19
General	19
Fuel Bed Cleaning	20
Pilot Linting	20
Replacement of Gas Control	20
Replacement of Burner and or Silencer	20
Replacement of Injector	21
Replacement of Pilot Assembly	21

ENIGMA II Users Instructions

SECTION ONE Introduction

Consumer Protection Information

As manufacturers and suppliers of heating products, we take every care, as far as is reasonably practicable, that these products are so designed and constructed as to meet the general safety requirement when properly used and installed. To this end, our products are thoroughly tested and examined before despatch.

IMPORTANT NOTICE: Any alteration that is not approved by the appliance manufacturer could invalidate the approval of the appliance, operation of the warranty and could affect your statutory rights.

Health and Safety Notice

Important

This appliance could contain some of the materials, indicated below, that could be interpreted as being injurious to health and safety. It is the users / installers responsibility to ensure that the necessary personal protective clothing is worn when handling these materials, see below for information.

Artificial Fuels, Mineral Wool, Insulation Material, Refractory/Ceramic Fibres, Glass Yarn - *may be harmful if inhaled, may be irritating to skin, eyes, nose and throat.*

When handling *avoid inhaling and contact with skin or eyes. Use disposable gloves, facemasks and eye protection. After handling wash hands and other exposed parts. If a vacuum is used for cleaning the fuel bed or cleaning after servicing / installation it is recommended that it be of the type fitted with a HEPA filter.*

Disposal of refractory/ceramic materials. To keep dust to a minimum these materials should be securely wrapped in polythene and be clearly labelled 'RCF waste'. These materials are not classified as 'hazardous waste and should be disposed of at a site licensed for the disposal of industrial waste.

INTRODUCTION

The ENIGMA II is a decorative fuel effect appliance with a radiant heat conserver box for improved efficiency.

The ENIGMA II is designed and tested to the requirements of EN 509

The ENIGMA II is available in **Natural Gas**. **Note: These appliances should only be used on the appropriate gas specified. They are not suitable for conversion from one gas another.**

The ENIGMA II should be installed and serviced by a competent person i.e. CORGI-registered, in accordance with the current Gas Safety (Installation and Use) Regulations 1998 (as amended).

The chimney or flue (unless new) must be swept before installation if it has been used for solid fuel or oil.

ENIGMA II Users Instructions

SECTION ONE Introduction Continued

The ENIGMA II incorporates a single gas control, which selects ignition pilot, and main burner low and high settings.

The ENIGMA II incorporates a safety device in the form of an Oxygen Depletion System, which constantly monitors the oxygen in the room and will cause the fire to switch off if the oxygen level reduces, for instance due to insufficient ventilation or a blocked flue.

If this repeatedly occurs do not attempt to relight the appliance until a qualified engineer has checked it, the problem may not be due to lack of air or a defective flue.








Warning:- This appliance has a naked flame, has with all such fires it is essential that a fireguard should be used for the protection of children, the elderly and infirm. Fireguards should conform to BS 6539 (1984) (Fireguards for use with solid fuel appliances).

During the normal operation of the fire some black staining or soot may appear on some parts of the fuel bed. This is quite normal and adds to the appearance of the appliance. However, if excessive black staining does occur it may be due to the fuel bed being incorrectly laid. This should be checked prior to contacting a service engineer.

SECTION TWO Operation

The pilot can be left on or the pilot can be extinguished and relit each time the fire is used. The appliance Control Knob is positioned behind the fret.

The full lighting procedure is as follows: -

- a. Push knob in as far as possible on gas control.
- b. Turn knob anti-clockwise until a click is heard. The knob will stop at the position marked  and a spark should be seen at the tip of the ignition probe. At the same time the pilot flame should light. KEEP THE KNOB PRESSED IN FOR 20 SECONDS. Should the pilot fail to light, turn the control knob clockwise to the  position, wait 3 minutes and repeat the procedure.
- c. After lighting the pilot flame the control knob should be allowed to spring out slightly. This will allow you to turn the knob further anti-clockwise to the position marked . The pilot flame should then ignite the main fire.
- d. It is possible to adjust the height of the flames by turning the control knob between the positions marked  and . Note that the knob 'latches' in position at either end of this movement and must be pushed in slightly before it can be turned.
- e. To turn the fire off, depress the knob slightly and turn it to the  position.
- f. To completely extinguish the fire, depress the knob slightly and turn to  the position.

Note: -If the ignition fails the pilot can be lit with a taper or a match held at the pilot head.

ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout

Important: - *Refer to the 'Health & Safety Notice located on page 3 of this booklet before cleaning or replacing any refractory material.*

The fuel bed components are delicate and they should be handled with great care.

The loose parts may be removed for cleaning. They can be brushed very gently with a soft brush to remove dust or any deposits.

A vacuum cleaner may only be used after the loose components and moulded shapes have been removed.

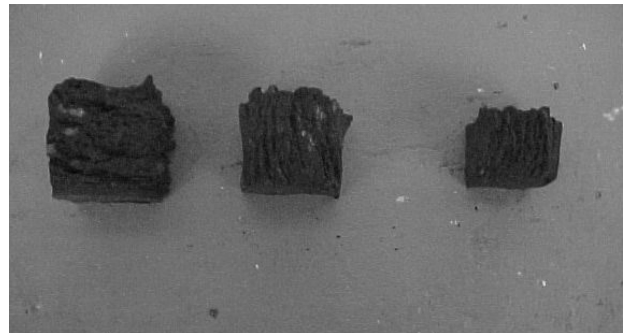
CARE SHOULD BE TAKEN TO AVOID CONTACT WITH THE REFRACTORY LINING THIS IS A DELICATE SURFACE AND SHOULD **NOT** BE WIPED OR RUBBED.

FUEL BED LAYOUT (COAL OPTION)

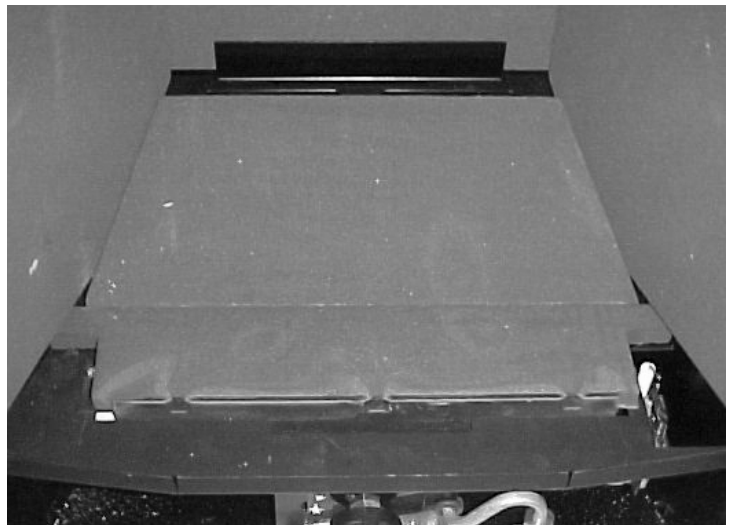
Coal set provided consists of :-

- 9 off 35mm x 35mm coals
- 17 off 45mm x 45mm coals
- 11 off 55mm x 55mm coals

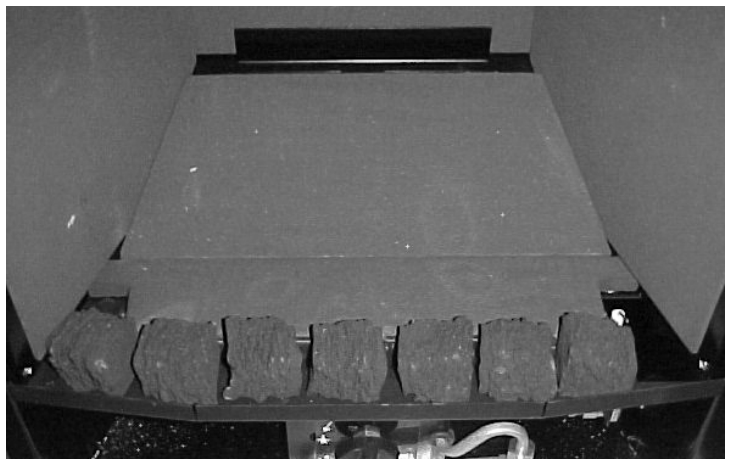
IMPORTANT: Keep the coals in separate size groups for laying on the fire bed.



Make sure that the tapered base board and the front T shaped base board are in position as shown. Make absolutely sure that the front board is flat down behind the burner slot and does NOT obstruct the slot in any way.



- Lay 7 35mm x 35mm coals into the front of the burner tray. They can have the backs against the burner slot but DO NOT place on top of the burner slot. Take care that the right hand coal does NOT rest on the pilot or obstruct it from lighting the main burner.



ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout Cont.

- Lay 4 45mm x 45mm coals on the flat part of the base board with the rough faces upwards. Push them back against the joint between the boards. DO NOT let them move forwards to the burner slot whilst laying later coals. Push the side coals hard against the sides of the firebox.



- Add 8 45mm x 45mm coals with rough faces upwards in lines behind the four placed in the last operation. It is VERY IMPORTANT for good flame picture and combustion that they are placed in rows with good spaces between. Make sure that the side rows are hard against the firebox sides. Place a further 3 45mm x 45mm coals behind these rows in the gaps as shown.



- Add 5 55mm x 55mm coals on the front row resting between the 35mm coals and 45mm coals already placed. as shown. Place the end 2 square to the firebox sides and place the middle 3 at an angle. Place the coals with rough sides upwards. DO NOT allow the coals to fall through onto the burner or base board, they must be placed on top of the coals already fitted.



ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout Cont.

- Add 6 more 55mm x 55mm coals in two rows behind the front row as shown. DO NOT allow the coals to fall between the 45mm coals underneath as this may adversely affect appearance and combustion performance. They can be angled at about 45 degrees to give a natural look.



Add the 2 final 45mm x 45mm coals, 1 each side of the back pair of 55mm coals. Add the 2 final 35mm x 35mm coals on the back row as shown. The coal bed is now complete.



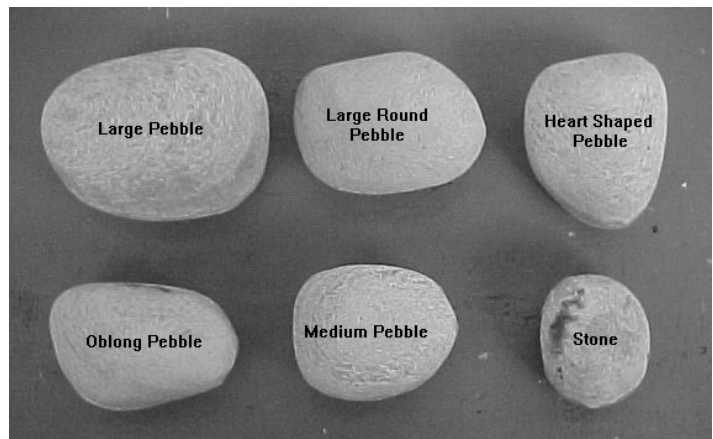
Note Dye is available for touching up coal surfaces where the black colouring may have rubbed off in use.

FUEL BED LAYOUT (PEBBLE OPTION)

FUEL BED COMPONENTS

- 12 off 45mm ripped coals for firebed base
- Pebbles in colours as below:-

Pebble identification	Pebble qty	
	Fawn	Grey
Large Pebble	1	1
Large Round Pebble	1	3
Heart Shape Pebble	2	1
Stones	1	2
Medium Pebble	2	3
Oblong Pebble	1	2
Total	8	12



ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout Cont.

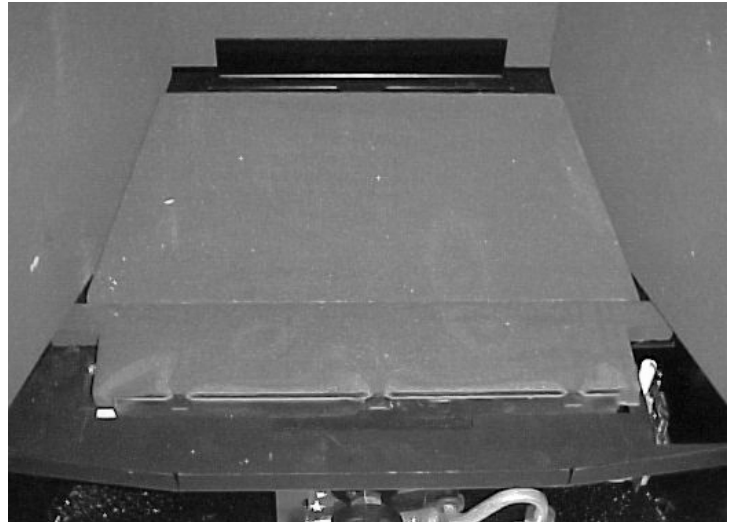
PEBBLE LAYOUT

WARNING

Take great care when positioning the pebbles to avoid marking the black linings.

Before fitting pebble set, loosen burner securing screws and make sure that burner is pushed to the right side of the burner tray. That will ensure maximum aeration to the burner reducing any discolouration of the light pebbles.

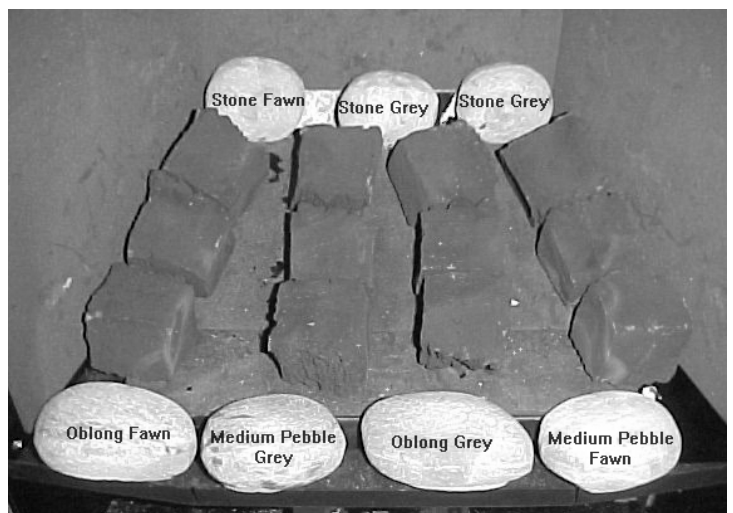
- Make sure that the tapered base board and the front T shaped base board are in position as shown. Make absolutely sure that the front board is flat down behind the burner slot and does NOT obstruct the slot in any way.



- Place 4 45mm x 45mm coals on the flat part of the base board with the smooth faces upwards. Push them back against the joint between the boards. DO NOT let them move forwards to the burner slot whilst laying later coals and pebbles. Push the side coals hard against the sides of the firebox. Add 8 further coals on the sloping base board as shown. Leave clear gaps between them as shown. Failure to lay these coals properly may adversely affect appearance and combustion.



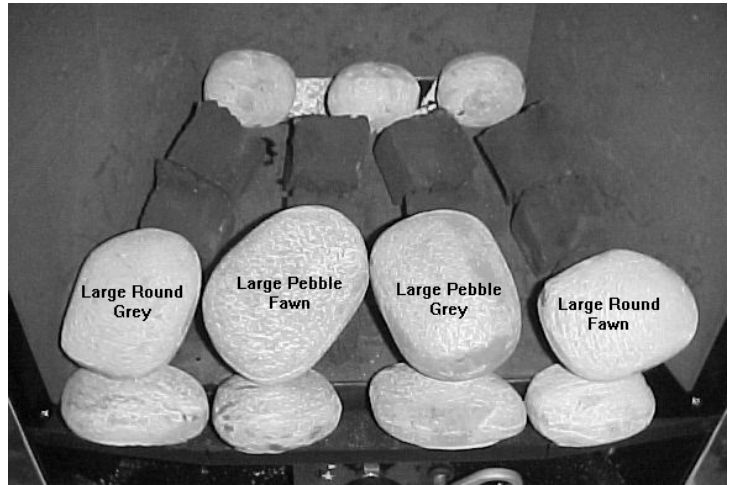
- Place 3 stones at the back of the base coals as shown. Place 2 x medium pebbles and 2 x oblong pebbles in the front tray IN FRONT of the burner slot. Place the flatter sides against the burner slot but DO NOT place the pebbles on top of the burner slot. The front of the pebbles will rest on the front edge of the tray. Leave small gaps in between.



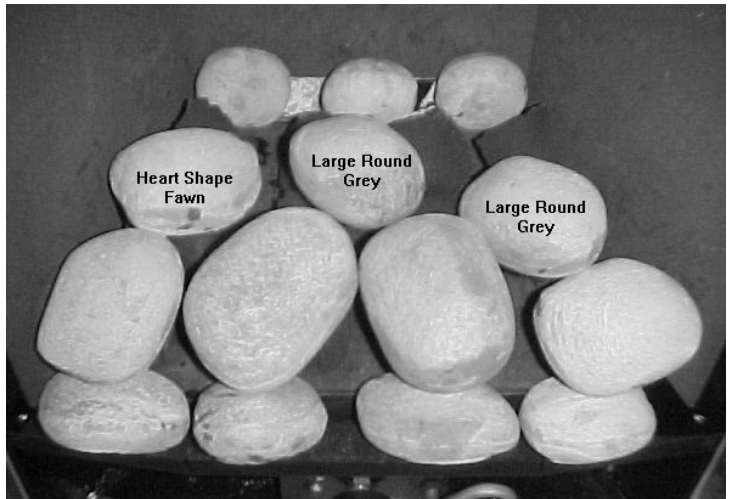
ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout Cont.

- Place 2 x large pebbles between the front pebbles and the first row of base coals as shown. Incline together slightly. Place 2 x large round pebbles as shown touching the firebox sides between the front row of pebbles and the base coals.



- Place 2 x large round pebbles and 1 x heart shaped pebble as shown. Place them touching the front row. Do not let them fall into the gaps between the base coals as it may adversely affect appearance and combustion performance.



- Place 1 each of oblong and medium pebbles and 2 heart shaped pebbles as shown. Push them back against the back of the firebox. Do not allow them to fall down between the base coals as this may adversely affect appearance and combustion performance.

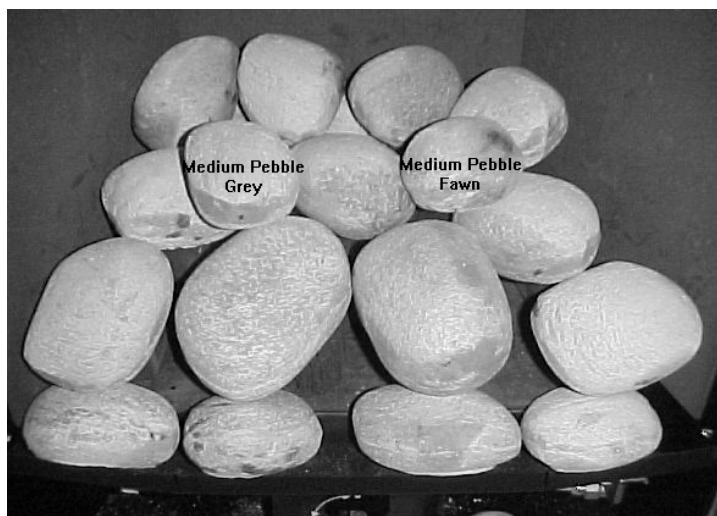


ENIGMA II Users Instructions

SECTION THREE Fuel Bed Cleaning and Layout Cont.

- Place 2 x medium pebbles on top of the row of 3 pebbles laid earlier. Place them in the gaps between the row of 3 coals and touching the two large coals on the front row where they will rest securely.

The final pebble layout should look as shown.



ENIGMA II Users Instructions

SECTION FOUR Important Information

The only user removable parts are: -

- The loose pebbles or coals.
- The baseboards
- Cast Fret
- Decorative Trim

Like all appliances incorporating an aerated burner a low frequency noise may be heard, particularly on the low setting, this is quite normal and does not affect the operation of the appliance.

Servicing

It is advised that the ENIGMA II fire is serviced annually this is more likely to provide trouble-free operation. A competent person must carry this out, i.e. CORGI Registered Installer in accordance with the current Gas Safety (Installation and Use) Regulations 1998 (as amended). The chimney or flue should be checked annually to ensure clearance of combustion products.

Ventilation in the United Kingdom

This appliance does not normally require purpose-built ventilation but if for any special reason purpose-built ventilation is provided it should be checked periodically to ensure freedom from obstruction.

Ventilation in the Republic of Ireland

Must be permanent ventilation and must comply with the rules in force and should be checked periodically to ensure freedom from obstruction.

General Appliance Care

Any debris from the chimney or flue should be removed from the fuel bed. The fire should be allowed to cool for three to four hours before removing debris.

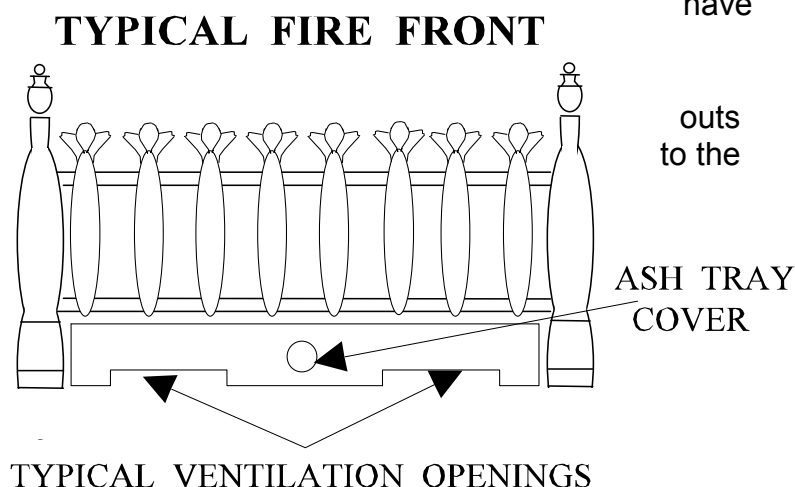
Rubbish must not be thrown onto the fuel bed under any circumstances.

The cast fire front must be positioned in front of the fire whilst it is burning.

Fret

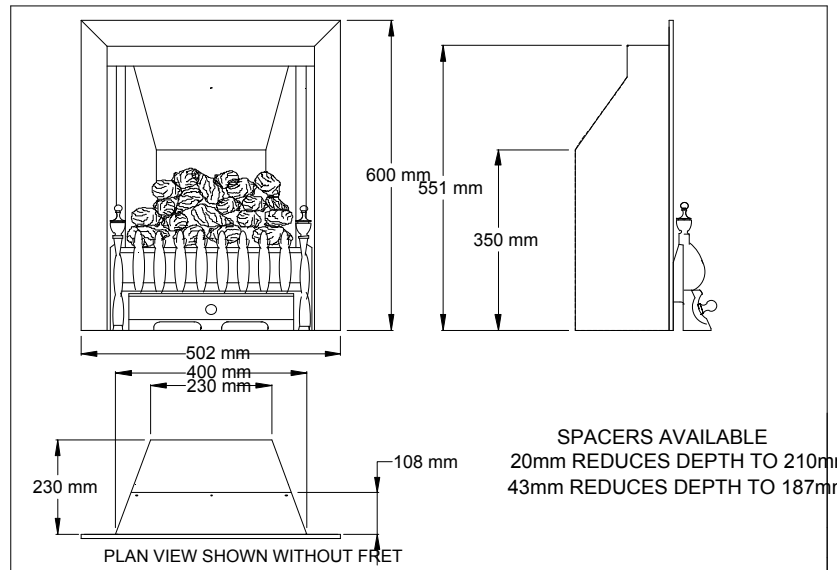
A Fret must be used with this appliance, and must conform to the following: -

- It must be made from non-combustible material.
 - Its general construction should enable it to stand firmly across the full width of the burner.
 - The design of the fire front (fret) must have a removable ashtray cover (lower section).
 - The ash tray cover must have cut-outs or holes which provide ventilation underside of the burner.
- The effective area of ventilation through the ash tray cover must be greater than 1365mm² (2.12 sq. ins.)



ENIGMA II Installation Instructions

SECTION FIVE Specification



NATURAL GAS

Category of Appliance:.....B_{AS}
Category.....I_{2H}
Gas type:.....G20
Gas Pressure:.....20 mbar
Gas input high:.....7.00 kW Gross
Gas input low:.....4.80 kW Gross
Injector Main:.....Size 460
Oxy-pilot.....SIT9040
Data Label Location:.....Behind trim
Gas Connection:.....8 mm OD Tube

NOTE: The efficiency of this appliance has been measured as specified in BS7977-1 2002 and the result is 40.8%. The gross calorific value of the fuel has been used for this efficiency calculation. GasTec have certified the test data from which it has been calculated. The efficiency value may be used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings.

SECTION SIX Regulations and Warnings

- THIS APPLIANCE MUST ONLY BE INSTALLED IN GB OR IRELAND.
- Only to be used in sufficiently ventilated room. Read instructions carefully before installation and use. The appliance must be installed by a competent person, i.e.. CORGI Registered Installer in accordance with the current Gas Safety (Installation and Use) Regulations 1998 (as amended). Failure to do so could lead to prosecution.
- This ENIGMA II is for use ONLY with the GAS STATED ON THE DATA BADGE this may be *G20 for Natural Gas* or *G31 for Propane Gas* CHECK YOU HAVE THE CORRECT APPLIANCE FOR THE GAS YOU ARE USING.
- It can be used in conjunction with the following chimneys: -
- A conventional brick or stone chimney,
- A metal flue and box conforming to BS 715, further details are covered in later text.
- A non-combustible hearth must be provided to comply with the building regulations or a suitable proprietary fire surround with a 100 degrees C rating.

ENIGMA II Installation Instructions

SECTION SIX Regulations and Warnings Continued

- During initial firing an odour may be evident. This is the binder used during the manufacture of the fibre components and there are no harmful effects produced.

The following are relevant Codes of Practice and British Standards: -

BS 5871

BS 8303

BS 5440 part 1

BS 1251

BS 6891

BS 6461 parts 1 & 2

BS 715

BS 1289 part 1 & 2

Note:- This appliance must be installed to current versions of the above standards and include any relevant amendments.

The Building Regulations issued by the Department of the Environment

The Building Standards (Scotland) (Consolidation) Regulations issued by the Scottish Development Office.

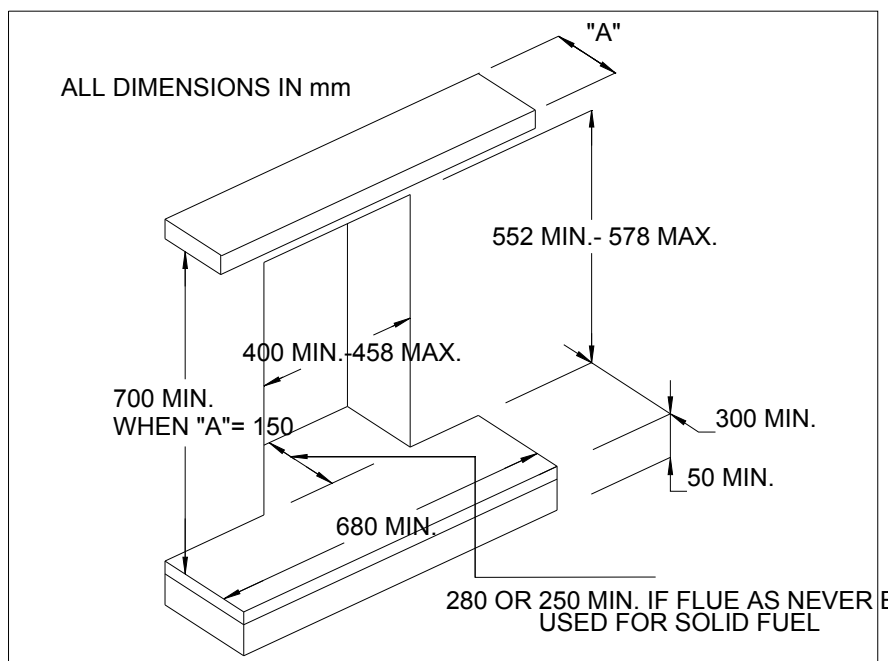
SECTION SEVEN Siting the Appliance

The fire can be installed in the following flues and locations: -

• CLASS ONE

A conventional brick or stone chimney as used for a solid fuel appliance with a typical effective cross-sectional dimension of 225 x 225 mm (9 x 9 ins) or a lined flue with a minimum diameter of 125 mm (5 ins)

Note: The restrictor plate (fitted to the fire) may be left upright in flues of 175mm (7") or greater. This being subject to satisfactory products clearance.



Fireplace opening must be 552 mm - 578 mm high by 400 mm - 435 mm wide (or up to 458 mm if the cable fixing system is used). The opening depth must be a minimum of 280 mm to allow sufficient volume for debris collection (this depth may be reduced to 250 mm if the chimney is new or has never been used for solid fuel or oil before).

To obtain this depth it may be necessary to remove the chairbrick.

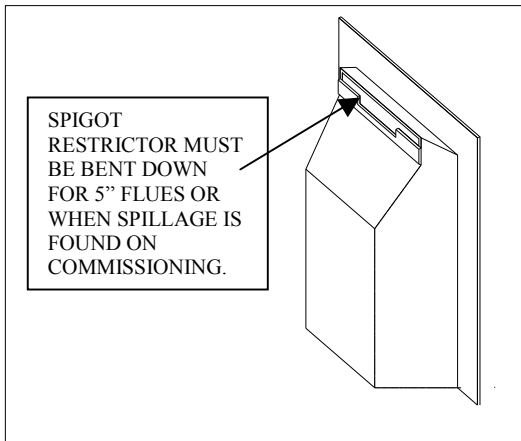
Note: spacers are available in 20mm, and 43mm to further reduce the opening depth if required (if a spacer is used

then the thickness of the spacer must be added to the minimum 300mm hearth depth to comply with regulations.

Any permanent flue restriction or variable dampers are to be removed or locked fully open. The chimney should be swept prior to installation if not new.

ENIGMA II Installation Instructions

SECTION SEVEN Siting the Appliance Continued



- **CLASS TWO FABRICATED METAL**

A double-walled or insulated metal flue box built to the requirements of BS 715 with an insulated flue having a minimum diameter of 125 mm (5 ins) and a minimum effective overall height of 3 metres (10 ft).

IMPORTANT: - the flue restrictor plate must be bent down when the appliance is installed in this type of flue.

A brick or stone chimney with a 125 mm (5 ins) minimum diameter flue liner conforming to BS 715 may be used. Provided a suitable sealing plate is fitted to the base of the liner and the appliance does not restrict the opening

into the liner.

Note: Dampers or register plates must not restrict any of the above flues. The flue must only service a single appliance and not have any branches or traps, which may impede the natural draught. If a terminal is fitted it must be suitable for the purpose.

SECTION EIGHT Fireplace Requirements

A flat face of 600 mm high x 500 mm wide must be provided around the fireplace opening for the fixing of the appliance to ensure that a good seal is formed. The base of the fire opening must be flat to ensure sound fixing of the appliance.

A non-combustible hearth must be provided beneath the appliance within the fireplace opening, a fire-resisting hearth must also be provided symmetrically disposed about the fireplace opening a minimum thickness of 12 mm with the perimeter 50mm above floor level. The width must extend a minimum of 150 mm either side of the fireplace opening and a depth of 300 mm (plus depth of spacer if a spacer is used).

Purpose-built superimposed fire-resistant hearths and back panels, specified as suitable by the manufacturers, may be used, or a suitable proprietary fire surround with a 100°C rating.

ENIGMA II Installation Instructions

SECTION EIGHT Fireplace Requirements Continued

Hole in the Wall Installation

Please read these instructions carefully if you intend an Installation without a hearth.

This appliance must be installed in accordance with all relevant sections of approved document “J” of the building regulations

It is recommended that a non combustible hearth extends a minimum of 300mm forward of the fire opening and a minimum of 150mm either side, and that a rise exists at the front edge and sides of the hearth of a minimum of 50mm.

The fire may be installed so that its base sits on a surface of a fire opening at least 105 mm up from the floor (*this is to ensure that no flame or incandescent material is less than 225mm above the floor, a requirement of approved document “J”*). Where this is the case a means must be provided to support the fret this may typically be met with a small projecting hearth of minimum 100mm. Unless the fret is fixed to the appliance or is an integral part of the fascia of the appliance.

Consideration should be given to the location of the appliance ensuring it is very visible and it should be positioned at a height were it can clearly be seen on approach.

Frets, and Fascias used for HOLE in the WALL must be compliant with C&J Fires CE approval; these are listed at the end of this page.

Where the fire is fitted as a “Hole in the Wall” without a hearth the installer MUST ensure the appliance is fixed firmly into the opening to ensure no movement takes place to the fuel bed when the appliance controls are operated.

The installer MUST ensure that the fuel bed is laid correctly and securely

The installer MUST advise the user that care should be taken when the appliance is in use to ensure occupants **do not** get unnecessarily close to the appliance or position furniture or other appliances to close.

The installer MUST remind user of the requirement to fit a “secure fireguard” where the room is used by elderly, infirm or young persons.

The installer MUST explain to the user that the area immediately in front of the appliance must always be keep clear of combustible items other than the floor covering (which must be fixed)

In the case of the Pebble fuel bed an alternative layout for “Hole in the Wall” must be followed refer to page 10 in this Manual, this alternative layout MUST adhered to for ALL HOLE in the WALL installations

List of approved C&J Frets

Wellington 2000

Gate

Post

Matchless

ENIGMA II Installation Instructions

SECTION EIGHT Fireplace Requirements Continued

CLEARANCE TO SHELF

Minimum clearance from hearth to underside of combustible shelf should be 700mm provided shelf depth 150mm or less. This height may be reduced to 640mm for a shelf depth of 100mm or less

When the shelf depth is increased by increments of 12.5 mm greater than 150mm, add 25mm to the 700mm minimum clearance.

CLEARANCE TO SIDES OF FIRE

Minimum width between vertical sides of combustible surround should not be less than 700mm provided fire is central to surround and sides do not project more than 150 mm. When vertical side forward projection is increased by 12.5 mm add 50 mm to inside width of surround.

N.B. When fire is fitted this provides a minimum side clearance of 100mm.

Care should be taken to prevent any damage being caused to surrounding soft furnishings or decoration, e.g. many embossed vinyl wall coverings may become discoloured if placed too close to the appliance.

VENTILATION

In the **United Kingdom** no special ventilation bricks or vents are required into the room containing the appliance, provided normal adventitious room ventilation exists. The installer must satisfy this point by carrying out a mandatory spillage test.

In the **Republic of Ireland** permanent ventilation must comply with the rules in force

SECTION NINE To Install the Appliance

EXAMINE FLUE / CHIMNEY

Check that the flue/chimney conforms to the required specifications as previously stated. Examine the condition and carry out any remedial work. If the flue/chimney has been used for solid fuel or oil, it should be swept prior to appliance installation. A smoke test must be carried out to check that satisfactory smoke clearance has been established. If all the smoke is not drawn into the flue, pre-heat the flue with a blowtorch or similar and re-check. If there is any uncertainty examine for the cause and, if necessary, seek expert advice.

CONNECTING THE GAS SUPPLY

Determine where the gas supply is to be connected to the appliance. This may be done from the front of the unit from either the left or right side, or a concealed fitting from the rear.

ENIGMA II Installation Instructions

SECTION NINE To Install the Appliance

GAS CONCEALED CONNECTION

If the supply is to be a concealed connection it would be advisable to route 8mm O/D half hard copper tube to the rear right side of the fireplace opening, taking into account the requirements of BS 6891 1988 dealing with enclosed pipes. Form the tube so that it enters the fire via the blind grommet at the rear of the appliance. An 8mm restrictor elbow can be positioned under the burner assembly on the right-hand side connected to the gas supply pipe and its outlet connected to the gas appliance.

Note: pipework in the opening of the fireplace to the rear of the appliance must be suitably wrapped in accordance with the regulations.

GAS CONNECTION FROM THE FRONT

Connections may be made from the front of the appliance from either the left or right in 8-mm diameter pipe. If a left-hand connection is required the tube should be routed behind the bezel plate under the gas control tap and onto the inlet elbow. The inlet elbow can be rotated to the required position. A suitable isolating cock must always be fitted in the supply feed to the fire to facilitate servicing. A suitable restrictor elbow is supplied with the fire.

FIXING FIRE INTO OPENING

Remove the paper backing from the length of foam seal and stick it around the rear flange of fire. If a spacer is going to be used stick the second length (supplied with the spacer kit) around the rear face of the spacer unit, THE FOAM SEAL MUST BE POSITIONED TO ENSURE AN AIR TIGHT SEAL WHEN THE APPLIANCE IS FITTED.

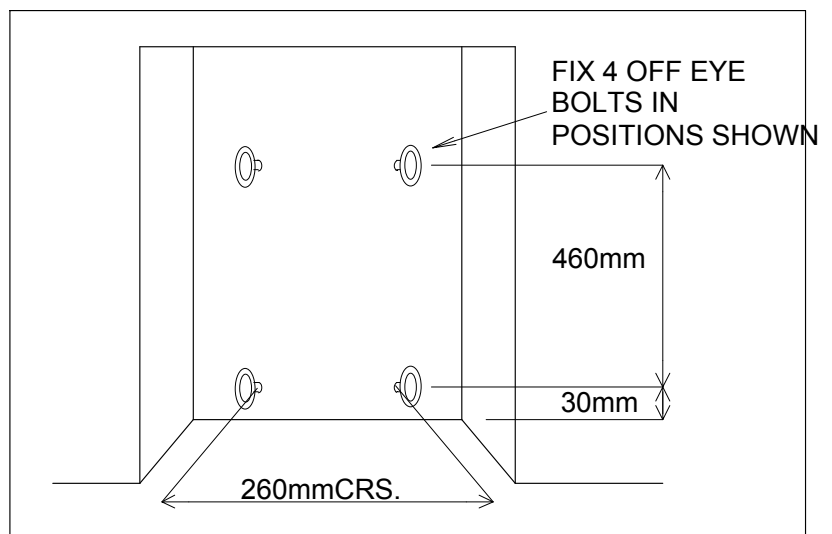
NOTE: -DO NOT USE PERAMENT SEALING COMPOUNDS *i.e.* **SILICONE SEALANT**. THIS COULD CAUSE THE APPLIANCE TO BE DAMAGED WHEN IT IS REMOVED FOR SERVICING, AND COULD INVALIDATE THE WARRANTY.

If the spacer is not being used, mark position of flange hole in the fireplace front drill and fix firebox in position with wall plugs and wood screws. If spacer is being used fix the spacer to the fireplace first with wood screws and wall plugs then screw firebox to spacer box using screws provided.

OPTIONAL CABLE FIXING SYSTEM (Available on request from C&J FIRES)

For use when fixing to 18" openings or when it is desirable not to drill the fireplace fascia.

Drill 4 holes in the rear of the fireplace opening in the position shown and fix securely the 4 eye bolts provided with suitable wall plugs

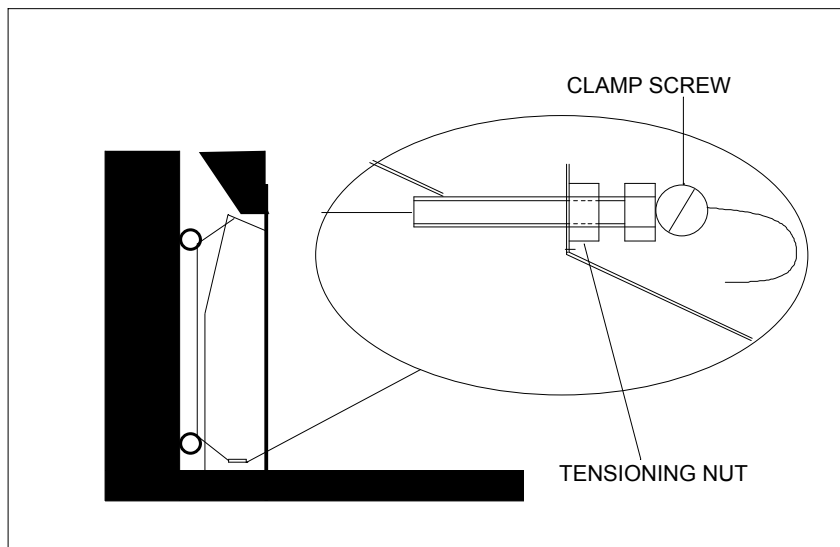


ENIGMA II Installation Instructions

SECTION NINE To Install the Appliance Continued

Fix the fire casing back into the opening using the cable fixing system as shown in do not cut off loose ends of cable after fixing, coil and tuck carefully behind burner tray.

Note: when using the cable fixing kit with the spacer, fix and seal the spacer to the rear of the appliance flange with the screws and foam seal provided.



CHECKING GAS SOUNDNESS

After completing the gas connection to the appliance, check for gas soundness in accordance with current codes of practice.

FUEL BED LAYOUT

Important: - Refer to the 'Health & Safety Notice located on page 3 of this booklet before cleaning or replacing any refractory material.

Lay fuel bed as shown in the Users Section of these instructions.

ENSURE THE FUEL BED IS PLACED AS INDICATED IN THESE INSTRUCTIONS.

CHECKING OPERATION OF FIRE

Remove the screw from the pressure test point on the inlet elbow and fit pressure gauge. Turn on gas the appliance. Purge the air from the appliance by rotating the control to the ignition position, push in to allow the air in the pipework to be purged and the piezo to ignite the pilot. Check that the electrode is sparking at the gap between the thermocouple tip and the electrode, continue until pilot ignition is established. Depress the control knob slightly and rotate anti-

clockwise until the index symbol is aligned with the "🔥" on the indicator label, release and allow the appliance to run for a period of approximately 5 minutes. Check the inlet pressure is 20 ± 1 mbar for Natural Gas (G20) or 37 ± 1 mbar for Propane Gas (G31).

CHECKING PRODUCT CLEARANCE

Check for satisfactory clearance of combustion products. Close all doors and windows and leave fire burning for 5 minutes. Then position a smoke match just into the top of the fire opening and move it left and right, all the smoke must be drawn into the flue. If spillage occurs, allow a further 5 minutes. Should spillage still occur, bend down appliance restrictor plate if still fitted and repeat spillage test. If spillage still occurs turn off the fire and seek expert advice to investigate the chimney/flue problem.

ENIGMA II Installation Instructions

SECTION NINE To Install the Appliance Continued

If an extractor fan is situated in the room this test should be repeated with the fan running. If there is a connected room with an extractor fan, the test should be repeated with all the doors to that room opened and the extractor fan running.

COMPLETION OF INSTALLATION

Fit the decorative trim with the four magnetic strips placed two on each vertical side flange of the firebox - one at the top and one at the bottom. Offer the decorative trim up squarely and centrally and push back into position.

Position a suitable fire fret up to the front of the appliance ensuring that it meets the specification referred to earlier.

Demonstrate the lighting and extinguishing procedures to the user and the removal and refitting of the decorative trim and fret for cleaning.

ADVISE CUSTOMER THAT:

- ❖ This appliance has a naked flame, as with all such fires it is essential that a fireguard should be used for the protection of children, the elderly and infirm. Fireguards should conform to BS 6539 (1984) (Fireguards for use with solid fuel appliances).
- ❖ The curing effect of heating the fuel bed and other refractory components will cause an initial odour. This is due to the starch used in the manufacturing process and is non-toxic.
- ❖ Any debris should be cleaned from the appliance. A vacuum cleaner can be used but only after all the loose components have been removed. The appliance should be serviced annually by a competent person in accordance with these instructions and the appliance checked for spillage in accordance with the method detailed in these instructions.

Hand these instructions over to the user.

SECTION TEN Maintenance Instructions

GENERAL

Servicing should be carried out annually by a competent person such as a CORGI-registered person in accordance with the current Gas Safety (Installation and Use) Regulations 1998 (as amended), this should ensure the safe and correct operation of the appliance.

Before commencing any service or replacement of parts, turn off the gas supply to the fire. After servicing check for gas soundness.

When ordering spare parts please quote appliance name and serial number, these can be found on the data badge, which is located by removing the decorative trim and fret.

At least once a year, check for debris in the catchment area behind the fire and in the flue way. If soot has accumulated, check to establish cause, rectify and clean flue or chimney accordingly.

ENIGMA II Maintenance Instructions

SECTION TEN Maintenance Instructions continued

FUEL BED CLEANING

Important: - *Refer to the 'Health & Safety Notice located on page 3 of this booklet before cleaning or replacing any refractory material.*

The fuel bed components are delicate and they should be handled with great care.

The loose parts and moulded shapes may be removed for cleaning. They can be brushed very gently with a soft brush to remove dust or any deposits. A vacuum cleaner may only be used after the loose components have been removed.

Examine the fuel bed components for signs of cracking and replace if necessary. (IMPORTANT) see fuel bed layout procedure before attempting to replace loose fuel bed components, which should only be replaced as a complete set with no extra components being added.

PILOT LINTING

Check pilot aeration holes for linting, use a vacuum cleaner nozzle taking care not to damage the pilot head

REPLACEMENT OF GAS CONTROL TAP

1. Turn off the gas supply by isolating cock.
2. Lift away carefully fire fret.
3. Lift away carefully all loose fuel bed components.
4. Lift away carefully front and rear baseboards.
5. Remove plastic knob from gas control tap.
6. Disconnect gas supply from inlet elbow of appliance (right of gas control tap)
7. Undo and remove four screws from bezel plate at front of appliance.
8. Undo locknut on front of gas valve and lift away bezel plate.
9. Undo and remove two screws securing the main burner tray inside the firebox.
10. Lift burner tray away from the main casing.
11. Disconnect the three compression gas connections from the gas control tap.
12. Remove the ignition lead carefully from the pilot.
13. Undo the thermocouple connection from the rear of the gas control tap.
14. Service or replace gas control tap as necessary.
15. Re-assemble the in reverse order.
16. Turn on the gas supply, check for soundness and re commission appliance.

REPLACEMENT OF BURNER AND OR THE SILENCER

NOTE: The silencer must not be modified and must be correctly positioned in its bracket.

1. Carefully remove all coals/pebbles and ceramic baseboards.
2. Undo the two screws securing the burner in the top of the main coal support and remove burner and silencer.
3. Clean, service or replace as necessary.
4. Re-assemble in reverse order. For pebble bed push burner to right side when tightening securing screws.
5. Turn on gas supply, check for gas soundness and re- commission appliance.

ENIGMA II Maintenance Instructions

SECTION TEN Maintenance Instructions Continued

REPLACEMENT OF INJECTOR

1. Repeat operations 1-2 for removal of burner and or silencer.
2. Disconnect gas connection to injector.
3. Unscrew the locking nut fixing injector to mounting bracket.
4. Clean or replace as necessary.
5. Re-assemble in reverse order pushing burner to right hand side for pebble bed before securing screws.
6. Turn on gas supply, check for gas soundness and re- commission appliance.

REPLACEMENT OF OXY-PILOT ASSEMBLY

NOTE: If the pilot assembly is replaced it must be replaced by an identical unit from the same manufacturer and replaced as a complete unit.

1. Carefully remove all coals/pebbles and ceramic baseboards
2. Disconnect gas supply.
3. Remove 4 screws securing tray to firebox, 2 at base of bezel and 2 inside firebox and lift out tray.
4. Disconnect the thermocouple from the gas control tap.
5. Disconnect the gas connection from the pilot assembly.
6. Remove ignitor lead from pilot assembly.
7. Undo the two screws securing the oxy-pilot to the burner.
8. Re-assemble the in reverse order.
9. Turn on the gas supply, check for gas soundness and re-commission appliance.

FDC (UK) Ltd

SALISBURY

Wiltshire

SP3 5HZ

Telephone 01722 716161

REGISTRATION DETAILS

Important

For future reference we suggest you record the following details here, and keep the receipt as proof of purchase. This information may be asked for when you contact the helpdesk.

Model: **Enigma II**

Serial No.

--	--	--	--	--	--	--	--	--

This information can be found on the label attached to the packaging and on the data badge, which is located on the appliance flange, top right behind trim.

Retailer Name: _____

Address: _____

Date of Purchase:

--	--	--	--	--	--	--

We may introduce modifications to products from time to time, and consequently the details given in this booklet are subject to alteration without notice.

PLEASE REGISTER YOUR PRODUCT WITH US TODAY

Simply detach this sheet from this booklet, complete and return it in a stamped addressed envelope to:

FDC (UK) Ltd
SALISBURY
WILTSHIRE
SP3 5HZ

YOUR DETAILS

Name

Address

Post Code

--	--	--	--	--	--	--	--

TELEPHONE No.

--	--	--	--	--	--	--	--	--	--	--	--	--

PRODUCT DETAILS

Model: **Enigma II**

Serial No.

--	--	--	--	--	--	--	--	--	--

Date of Purchase

--	--	--	--	--	--

This information can be found on the label attached to the packaging and on the data badge, which is located on the appliance flange, top right behind trim.

WHERE DID YOU PURCHASE THIS PRODUCT

Name

Address

Post Code

--	--	--	--	--	--	--	--

TELEPHONE No.

--	--	--	--	--	--	--	--	--	--	--	--	--

ENIGMA II Packing – Coal

Product		Serial No	GF
ID Label		Prefix	
Burner Tray / Box Assembly			
Coal Set (4287)			
Foam Sealing Strip			
Magnets			
Owners Book			
Warranty Card			
Warning Label			
Serial Number			
Inspector			

ENIGMA II Packing – Pebble

Product		Serial No	GF
ID Label		Prefix	
Burner Tray / Box Assembly			
Pebble Set (4324)			
Foam Sealing Strip			
Magnets			
Owners Book			
Warranty Card			
Warning Label			
Serial Number			
Inspector			

FDC (UK) Ltd

SALISBURY
Wiltshire
SP3 5HZ

Telephone 01722 716161