

Dovre 425

Conventional Flue Log Effect Stove

With Upgradeable Control Valve



Instructions for Use, Installation and Servicing

For use in GB, IE (Great Britain and Republic of Ireland)

IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423:2002 IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

This product contains a heat resistant glass panel. This panel should be checked during Installation and at each servicing interval. If any damage is observed on the front face of the glass panel (scratches, scores, cracks or other surface defects), the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed, the glass panel is removed or broken.

It is essential that ALL of the screws that retain the glass frame are replaced and tightened correctly. Under no circumstances should the appliance be operated if any of these screws are loose or missing.

These Instructions must be left with the appliance for future reference and for consultation when servicing the appliance. Please make the customer aware of the correct operation of the appliance before leaving these instructions with them.

The commissioning sheet found on Page 3 of this Instruction manual must be completed by the Installer prior to leaving the premises.

Contents

Covering the following models:

Model	NATURAL GAS	LPG
Matt Black	DV-425CFNG	DV-425CFLPG
Ivory Enamel	DV-425CFNGIV	DV-425CFLPGIV
Ivory White Enamel	DV541-076	DV541-479
Majolica Brown	DV-425CFNGMJ	DV-425CFLPGMJB
Black Enamel	DV-425CFNGBK	DV-425CFLPGBK

Appliance Commissioning Checklist3

User Instructions.....4

Installation Instructions.....9

Technical Specifications 9

Site Requirements..... 10

Installation 12

Commissioning..... 16

Servicing Requirements17

Fault Finding..... 17

How to replace parts 19

Basic spare parts list..... 24

Service Records 25

Appliance Commissioning Checklist

To assist us in any guarantee claim please complete the following information:-

IMPORTANT NOTICE

Explain the operation of the appliance to the end user, hand the completed instructions to them for safe keeping, as the information will be required when making any guaranteed claims.

FLUE CHECK	PASS	FAIL
1. Flue Is correct for appliance		
2. Flue flow Test N/A		
3. Spillage Test N/A		
GAS CHECK		
1. Gas soundness & let by test		
2. Standing gas pressure	mb	
3. Appliance working pressure (on High Setting) NB All other gas appliances must be operating on full	mb	
4. Gas rate	m ³ /h	
5. Does Ventilation meet appliance requirements N/A		
SAFETY CHECK		
1. Glass checked to ensure no damage, scratches, scores or cracks.		
2. Glass frame secured correctly and all screws replaced		

RETAILER AND INSTALLER INFORMATION

Retailer.....

 Contact No.....
 Date of Purchase.....
 Model No.
 Serial No.....
 Gas Type

Installation Company.....

 Engineer.....
 Contact No.....
 Gas Safe Reg No.
 Date of Installation

User Instructions

Welcome

Congratulations on purchasing your Dovre 425 stove, if installed correctly Dovre hope it will give you many years of warmth and pleasure for which it was designed.

The purpose of this manual is to familiarise you with your appliance, and give guidelines for its installation, operation and maintenance. If, after reading, you need further information, please do not hesitate to contact your Dovre retailer.

WARNING



In the event of a gas escape or if you can smell gas, please take the following steps:

- Immediately turn off the gas supply at the meter/emergency control valve
- Extinguish all sources of ignition
- Do not smoke
- Do not operate any electrical light or power switches (On or Off)
- Ventilate the building(s) by opening doors and windows
- Ensure access to the premises can be made

Please report the incident immediately to the National Gas Emergency Service Call Centre on 0800 111 999 (England, Scotland and Wales), 0800 002 001 (N. Ireland) or in the case of LPG, the gas supplier whose details can be found on the bulk storage vessel or cylinder.

The gas supply must not be used until remedial action has been taken to correct the defect and the installation has been recommissioned by a competent person.

1. General

- 1.1 Installation and servicing must only be carried out by a competent person whose name appears on the Gas Safe register. To ensure the engineer is registered with Gas Safe they should possess an ID Card carrying the following logo:



- 1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge or on the Commissioning Checklist Page 3.

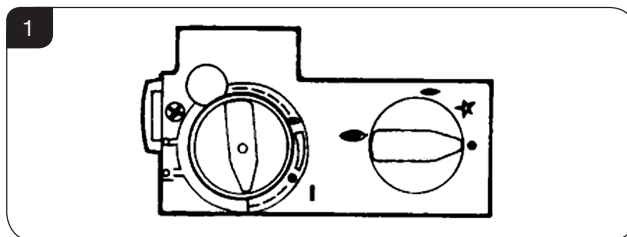
- 1.3 **Do not** place curtains above the appliance: You must have 300mm (1') clearance between the appliance and any curtains at either side.
- 1.4 No furnishings or other objects should be placed within 1 metre of the front of the appliance.
- 1.5 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.
- 1.6 In the unlikely event the appliance is receiving interference from other electronic devices, the handset/Control box can be reprogrammed. Please consult your retailer if you think this may be the case.
- 1.7 If, for any reason, the flue has to be removed from the appliance, the seals must be replaced in the inner spigot.
- 1.8 This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Dovre and your local Dovre retailer. Please consult with your local Dovre retailer if you have any questions. In all correspondence always quote the Model Number and Serial Number.

2. Operating the Appliance

- 2.1 The control valve is at the foot on the right-hand side of the appliance. It has two controls, Diagram 1:
1. The right-hand knob controls the pilot ignition
 2. The left-hand knob controls the main burner
- 2.2 Refer to separate instructions if your appliance is upgraded to include battery remote control. The instructions below apply whether or not you have the remote upgrade.

Lighting the Pilot

- 2.3 To start the left-hand and right-hand control knobs must both point to off (●):



- 2.4 Press in the right-hand control knob and rotate anti-clockwise until a click is heard. Continue to press in. The knob points to the pilot (—).

The pilot is lit

- 2.5 Keep the knob depressed for 10 seconds before releasing. The pilot remains lit.

Repeat the above steps if the pilot does not stay lit

NOTE: If the pilot goes out, the Interlock system prevents you lighting again for a short period

User Instructions

2.6 If, after repeating the above steps the pilot does not light, contact your Retailer or Installer.

2.7 Turn the right-hand knob to the left to main burner setting (☞)

Adjusting the Flame height

2.8 You can now adjust the flame height and temperature using the left-hand control knob.

2.9 Turn the left-hand knob anti-clockwise to increase the flame height

2.10 Turn clockwise to decrease the height



IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.



WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

3. Turning OFF the Appliance

3.1 To turn the main burner off turn the left-hand knob until it points to off (●). Just the pilot remains lit.

3.2 Press in and turn the right-hand knob until it points to off (●). The pilot goes out.

4. Upgrading the Appliance

4.1 The appliance is fitted with a control valve that can easily be upgraded to battery powered remote control. There are two versions of this control which can be obtained through your local Dovre stockist. There is no requirement for this upgrade to be carried out by an approved Gas engineer. However Dovre recommend that this task is undertaken by a suitably competent person.

4.2 This upgrade can be fitted before or after installation but if side clearances are limited then it will be easier to upgrade the appliance before installation. Full instructions are included with the kit.

Standard Remote Control (PART NUMBER 8455)

4.3 This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning.

Thermostatic and Timer Remote Control (PART NUMBER 8456)

4.4 This remote control can control the gas appliance after the pilot has been lit.

MANUAL MODE

Can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning.

AUTO MODE

Will automatically regulate the room to a pre-set temperature.

TIMER MODE

Will turn the appliance on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods.

5. Cleaning the Appliance



WARNING: NEVER CLEAN THE APPLIANCE WHILE IT'S HOT. THE APPLIANCE STAYS HOT FOR A LONG TIME AFTER SHUTDOWN.

IMPORTANT: THE OUTER PANNELLING OF THE DOVRE 425 IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

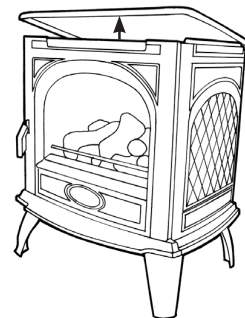
5.1 Make sure the appliance and surrounds are cool before cleaning.

REMOVING THE DOOR

5.2 For rear flue exit lift the top of the appliance off and put to one side.

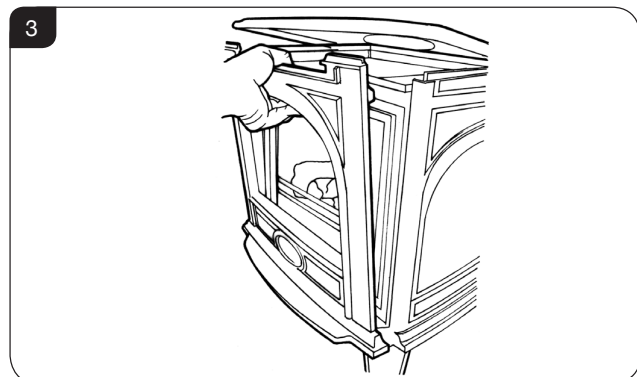
5.3 For top flue exit lift and support the top to give clearance, see Diagram 2.

2

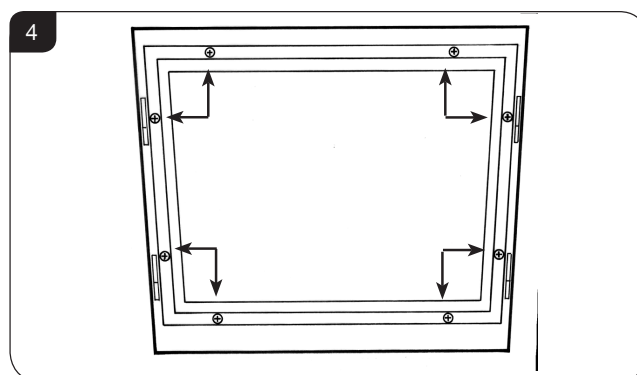


User Instructions

- 5.4 Lift the front upwards until it is clear of the slots and pull away from the appliance, see Diagram 3.



- 5.5 Remove the glass frame by undoing the fixing screws and lifting clear, see Diagram 4. **Take care to support the glass window panel when removing the screws.**
- 5.6 Place carefully to one side.



- 5.7 Lift out the log retainer bar.
- 5.8 Carefully remove the ceramic fuel bed components and set aside. Protect the floor coverings and follow the advice given in Section 6.
- 5.9 The logs do not require cleaning. Do not use a vacuum cleaner or brush to clean the coals, any large pieces of debris can be removed by hand.
- 5.10 Ensure any debris is removed from the burner ports.
- 5.11 Replace the ceramics, see Section 6.
- 5.12 Use a damp cloth to clean the outer casing of the appliance.

6. Arrangement of Fuel Bed

Advice on handling and disposal of fire ceramics



The fuel effect of the log version of this appliance is made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste.

RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

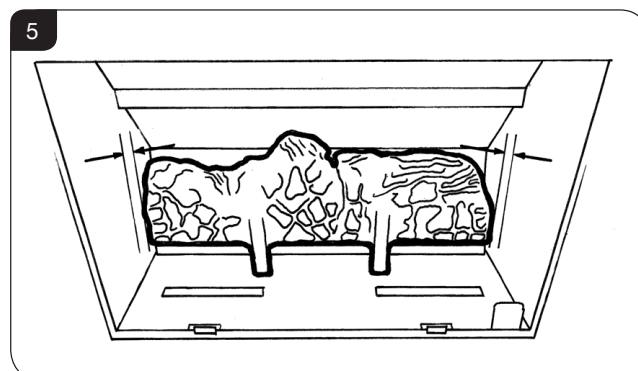
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

7. Log Layout

LOGS MUST BE POSITIONED ACCORDING TO THE FOLLOWING INSTRUCTIONS TO GIVE THE CORRECT FLAME EFFECT

The fuel bed consists of 5 logs and 2 ash panels. The logs have letters A,B,C,D and E moulded into them for identification.

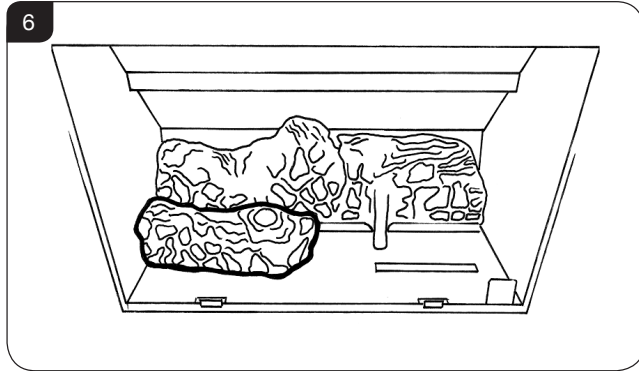
- 7.1 Take the rear log A and place it up against the rear of the fire sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports, see Diagram 5.



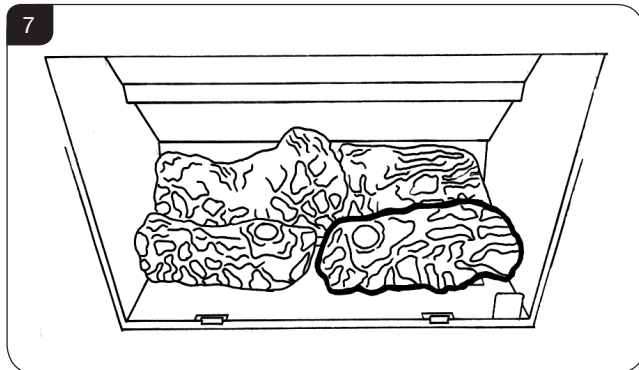
User Instructions

Ensure there is an equal gap between each side of the log and the side of the firebox.

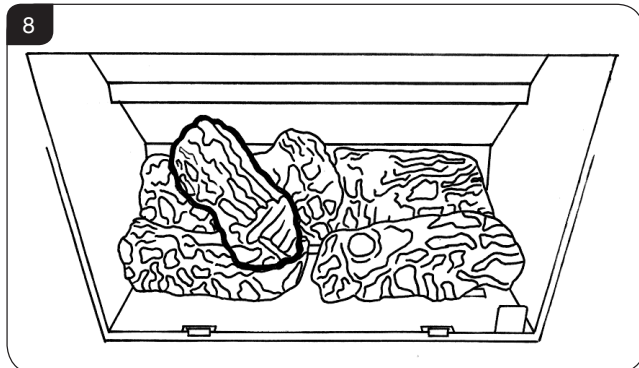
- 7.2 Place log B on the left hand side of the burner with the location bar on the underside of the log fully located in the long slot of the burner. Make sure the log is as far to the left as possible, see Diagram 6.



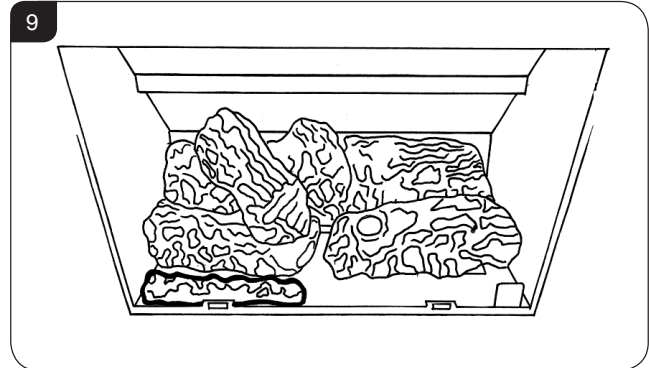
- 7.3 Place log C on the right hand side of the burner with the location bar on the underside of the log fully located in the long slot in the burner. Make sure the log is as far right as possible, see Diagram 7.



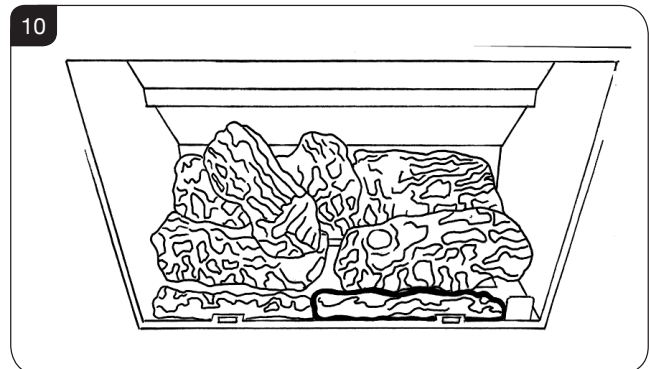
- 7.4 Place log D across from the rear log A to log B on the left-hand side. There are cut-outs in both logs for location, see Diagram 8.



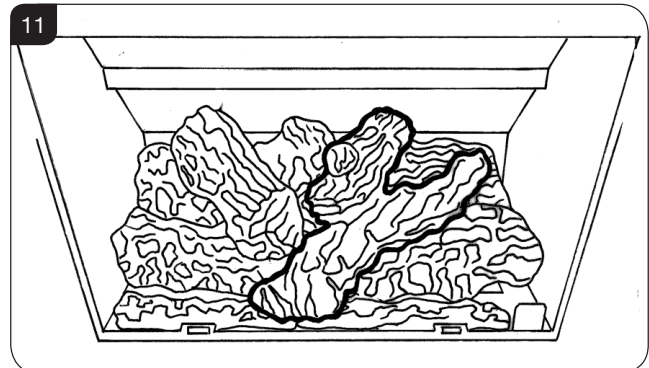
- 7.5 There are two ash panels which lay across the front of the burner skin. Place the panel with the flat edge facing the left side of the firebox. There are location holes on this panel which fit over the screw holes of the burner skin, see Diagram 9.



- 7.6 Place the second ash panel to the right of the first, with the pointed end of the panel fitting into the V shape. This panel should locate on the screw holes of the burner skin. Ensure that both panels are horizontal to the burner ports, see Diagram 10.



- 7.7 Place log E across from the rear of log A to log C on the right hand side. Again, there are cut-outs for location. The front of the log should sit on the front ash panels and should fit tight to log C, see Diagram 11.



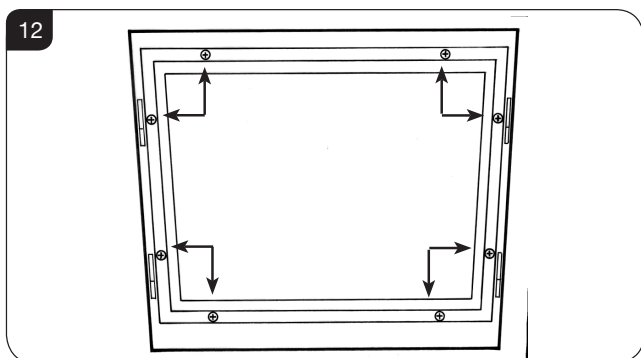
- 7.8 Replace the log retainer.

User Instructions

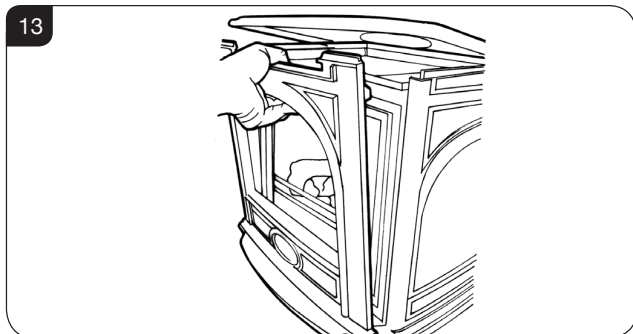
8. Completion of Assembly

- 8.1 Ensure the rope seal fitted to the rear of the glass frame is intact.
- 8.2 Use a ceramic glass product generally sold for cleaning ceramic hobs to clean the glass front.
- 8.3 Refit glass frame and tighten screws evenly, see Diagram 12.

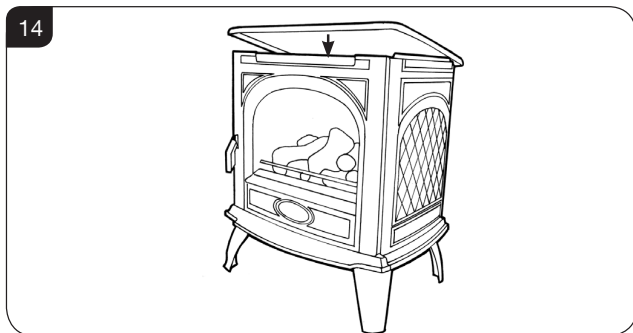
NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED, OR THE GLASS IS BROKEN.



- 8.4 With the top still supported or removed refit front by locating in grooves and lowering into place, see Diagram 13.



- 8.5 Now replace top, see Diagram 14.



- 8.6 Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.



UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

9. Flue Sure System

- 9.1 The appliance is fitted with a Flue Sure System, which will act to cut off the gas supply to the burners in the event of incorrect operation of the flue. If the system acts to cut off the gas supply, this indicates that there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means there may be a serious problem with the flue system. A qualified gas engineer should inspect this.

DO NOT USE THE APPLIANCE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.

10. Flame Failure Device

- 10.1 This is a safety feature incorporated on this appliance which automatically switches off the gas supply if the pilot goes out and fails to heat the thermocouple.

IF THIS OCCURS DO NOT ATTEMPT TO RELIGHT THE APPLIANCE FOR 3 MINUTES.

11. Running In

- 11.1 During initial use of a new Dovre appliance a strong odour will be encountered as various surface coatings become hot for the first time. Although these odours are harmless it is recommended that the appliance is operated on maximum for 4 to 8 hours in order to fully burn off these coatings. After this period the odours should then disappear.

If the odours persists, please contact your installer for advice.

- 11.2 During the first few hours of burning there may be discolouration of the flames. This will also disappear after a short period of use.

12. Servicing

- 12.1 The appliance must be serviced every 12 months by a qualified Gas Engineer. In all correspondence always quote the Model number and the Serial number which may be found on the Commissioning Checklist (Page 3).

13. Ventilation

- 13.1 Any purpose provided ventilation should be checked periodically to ensure that it is free from obstruction.

14. Installation Details

- 14.1 Your installer should have completed the commissioning sheet at the front of this book. This records the essential installation details of the appliance. In all correspondence always quote the Model number and Serial number.

15. Hot Surfaces

- 15.1 Parts of this appliance become hot during normal use. Regard all parts of the appliance as a 'working surface'.
- 15.2 Provide a suitable fire guard to protect young children and the infirm.

Installation Instructions

Technical Specification

Covering the following models:

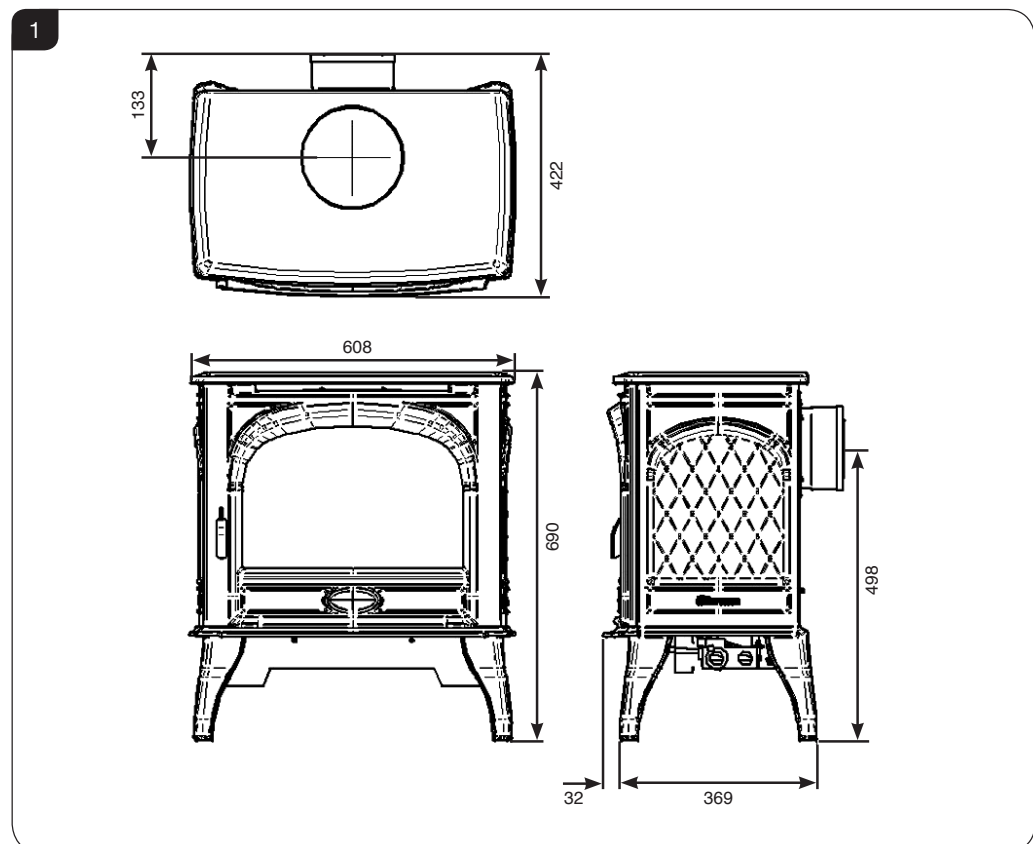
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Ivory White Enamel	DV541-076	DV541-479
Majolica Brown	DV-425CFNGMJ	DV-425CFLPGMJB
Black Enamel	DV-425CFNGBK	DV-425CFLPGBK

Model	Gas CAT.	Gas Type	Working Pressure	NOX Class	Aeration	Injector	Gas Rate m ³ /h	Input kW (Gross)		Country
								High	Low	
DV-425CFNG	I _{2H}	Natural (G20)	20mbar	3	1 x 14.5mm	375	0.623	6.6	3.6	GB, IE
DV-425CFLPG	I _{3P}	Propane (G31)	37mbar	3	2 x 11.5mm	165	0.232	6.4	3.6	GB, IE
Efficiency Class II - 78%										
Flue Outlet Size 127mm (5") Ø										
Gas Inlet Connection Size 8mm Ø										
Minimum Flue Specification T260 / N2 / 0 / D / 1										
Maximum Flue Temperature 180°C										

Packing Checklist

Qty	Description
1	Stove
1	Flue Blanking plate
1	Log set (5 logs)*
2	Ash Panels* (2 sections)*
1	Fixing Kit Containing 1 Instruction Manual

*Packed in appliance



Installation Instructions

Site Requirements

1. Flue & Chimney Requirements

- 1.1 The chimney or flue system must comply with the rules in force, and must be a minimum of 127mm in diameter. (5").
- 1.2 The minimum flue height for the appliance must be 3 metres (10ft). Any horizontal flue run from the rear outlet must not exceed 100mm from the back of the appliance.
- 1.3 The chimney or flue must be free from any obstruction. Any damper plates must be removed or secured in the fully open position, and no restrictor plates fitted.
- 1.4 The chimney must be swept prior to the installation, but it need not be swept if it can be seen the chimney is clean and unobstructed throughout its entire length.
- 1.5 A5" (127mm) liner must be used if fitting the appliance into an existing brick built chimney. Larger lined flues can work, but in some instances could cause cold start flue problems resulting in nuisance shutdown. Lined flues above 7" (175mm) are not recommended.
- 1.6 Due to recent changes to European chimney standards, new flues and chimneys are described by their temperature, pressure and resistance to corrosion, condensation and fire. To assist in identifying the correct flue system, the minimum flue specification is shown in the Technical Specification. Existing chimneys are not covered by this system.

2. Flue Options

A range of Vitreous Enamel Gloss Black flue pipe is available to compliment the Dovre 425. Please contact your Dovre retailer for further information.

3. Gas Supply

THIS APPLIANCE IS INTENDED FOR USE ON A GAS INSTALLATION WITH A GOVERNED METER.

- 3.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.
- 3.2 Ensure the gas supply delivers the required amount of gas and is in accordance with the rules in force.
- 3.3 You can use soft copper tubing on the installation and soft soldered joints outside the appliance and below the fire.
- 3.4 A means of isolating the gas supply to the appliance must be provided independent of any appliance control.
- 3.5 All supply gas pipes must be purged of any debris that may have entered prior to connection to the appliance.
- 3.6 The gas supply must be installed in a way that does not restrict the removal of the appliance for servicing and inspection.

4. Ventilation

IMPORTANT: Ensure any national ventilation requirements are taken into account during installation of the appliance.

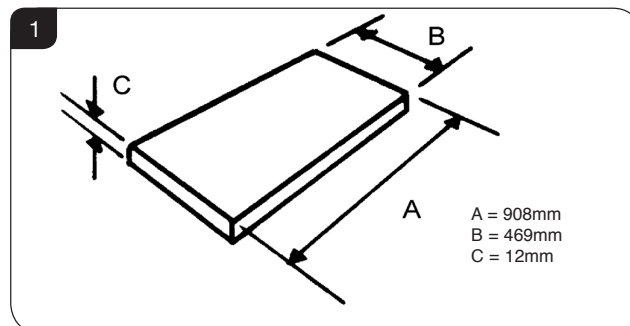
UK ONLY:

The Dovre 425 has a nominal input not exceeding 7.0kW and does not normally require any additional permanent ventilation.

FOR THE REPUBLIC OF IRELAND REFER TO THE RULES IN FORCE FOR VENTILATION REQUIREMENTS.

5. Appliance Location

- 5.1 Building Regulations state this appliance must stand on a non-combustible hearth that is at least 12mm thick and projects 50mm minimum from the base of the appliance in all directions, however Dovre recommend the hearth extends to the following dimensions, see Diagram 1.



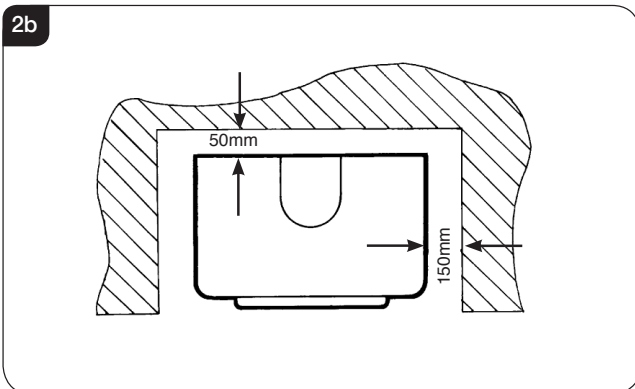
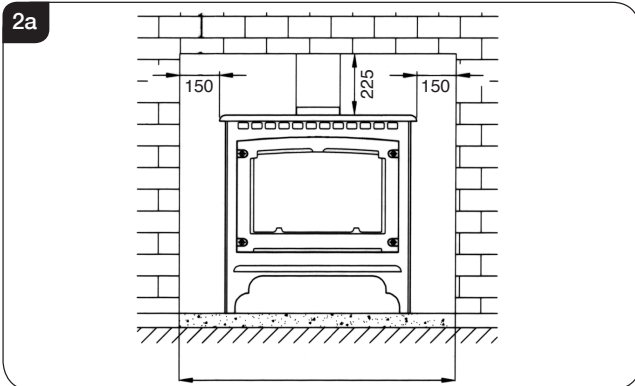
MINIMUM CLEARANCE

- 5.2 The appliance is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the appliance.
- 5.3 **Ensure that all minimum clearances to combustible materials are complied with, see Diagrams 2 & 2A.**

The specified clearances provide the minimum distance to combustible materials. If the appliance is intended to be installed into a non-combustible opening the clearance to the **sides and above** the appliance can be reduced. However, it is recommended that the specified clearances are maintained irrespective of the materials used in the construction of the opening to allow adequate air flow and access to controls. **The clearance at the rear of the appliance must always be a minimum of 50mm.**

Installation Instructions

Site Requirements



- 5.4 In a non-combustible recess be careful to allow enough clearance at the sides and rear of the appliance to perform spillage tests and reach the controls.

Installation Instructions

1. Safety Precautions

- 1.1 For your own and other's safety, you must install this appliance according to local and national codes of practice. Failure to install the appliance correctly could lead to prosecution. **Read these instructions before installing and using this appliance.**
- 1.2 These instructions must be left intact with the user.
- 1.3 Do not attempt to burn rubbish on this appliance.
- 1.4 Keep all plastic bags away from young children.
- 1.5 Do not place any object on or near to the appliance and allow adequate clearance above the appliance.

IF THE APPLIANCE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT THE APPLIANCE.

- 1.6 The appliance is fitted with a Flue Sure System, which will act to cut off the gas supply to the burners in the event of incorrect operation of the flue. If the system acts to cut off the gas supply, this indicates that there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means there may be a serious problem with the flue system. A qualified gas engineer should inspect this.
- 1.7 Do not alter or tamper with the Flue Sure System. Use only genuine replacement parts when servicing the system - refer to the Servicing Section, **Replacing Parts**.

DO NOT USE THE APPLIANCE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.



IMPORTANT: REFER TO DATA BADGE AND TECHNICAL SPECIFICATION AT THE FRONT OF THE MANUAL TO ENSURE THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE.

FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SERVICING, SECTION 13, REPLACING PARTS.

Unpacking

- 1.8 Remove the appliance from its packaging, and check that it is complete and undamaged.

Put the loose ceramic parts to one side so that they are not damaged during installation.

2. Upgrading the Appliance

- 2.1 The appliance is fitted with a control valve that can easily be upgraded to battery powered remote control. There are two versions of this control which can be obtained through your local Dovre stockist. There is no requirement for this upgrade to be carried out by an approved Gas engineer. However Dovre recommend that this task is undertaken by a suitably competent person.
- 2.2 This upgrade can be fitted before or after installation but if side clearances are limited then it will be easier to upgrade the appliance before installation. Full instructions are included with the kit.

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- 2.3 This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning.

Thermostatic and Timer Remote Control (PART NUMBER 8456)

- 2.4 This remote control can control the gas appliance after the pilot has been lit.

MANUAL MODE

Can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning.

AUTO MODE

Will automatically regulate the room to a pre-set temperature.

TIMER MODE

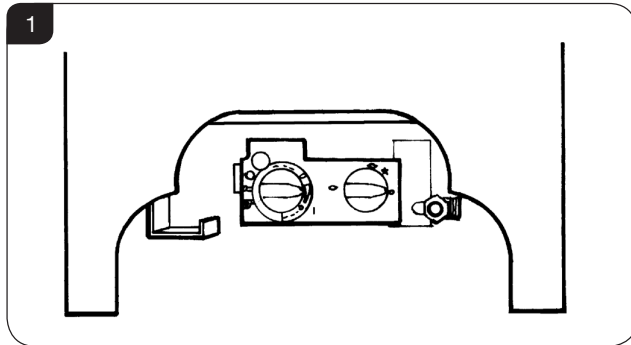
Will turn the appliance on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods.

3. Installation of the Appliance

- 3.1 Decide whether to use top or rear flue exit. The appliance is factory built for rear flue exit but it can be changed to top exit by swapping the flue spigot and blanking plate located on the appliance.
- 3.2 Position the appliance ensuring all appropriate clearances are observed.
- 3.3 Having run the gas supply to the appliance **PURGE THE SUPPLY PIPE.** This is essential to expel any debris that can block the gas controls.

Installation Instructions

- 3.4 Connect the gas supply to the 8mm compression elbow at the right-hand rear corner of the appliance. There is a cutout in the right-hand rear leg to enable a straight connection to the rear of the appliance, see Diagram 1.



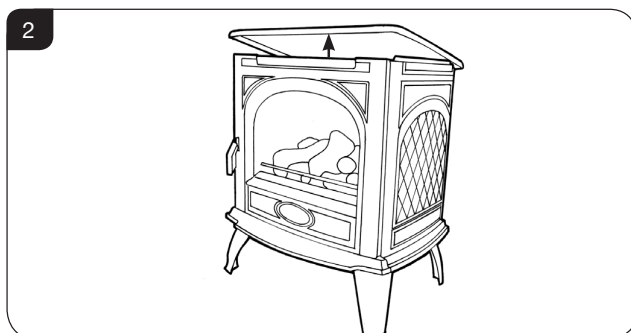
- 3.5 The flue system can now be connected to the appliance.
- 3.6 Ensure all joints are sealed with a fire resistant cement and use a self-tapping screw at the flue spigot joint.

4. Gas Soundness Pressure Check

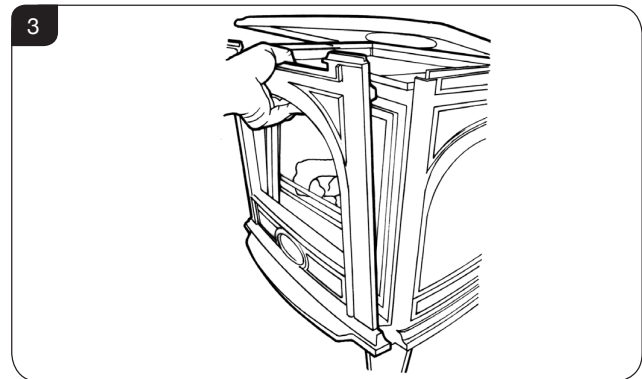
- 4.1 Connect a suitable pressure gauge to the test point located on the inlet fitting and turn the gas supply on. Light the appliance and check all gas joints for possible leaks. Turn the appliance to maximum and check that the supply pressure is as stated on the databadge. Turn the gas off and replace the test point screw, turn the gas on and check the test point for leaks.

5. Removing the Door

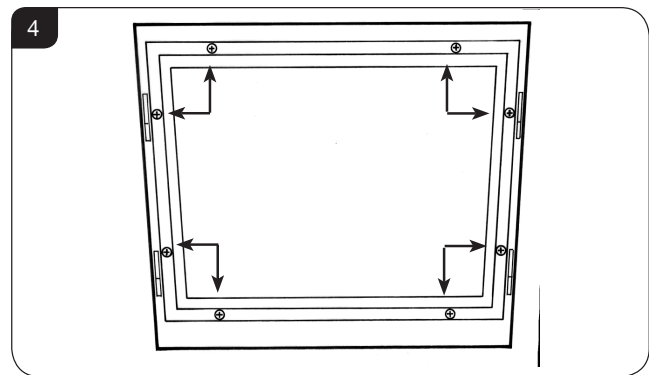
- 5.2 For rear flue exit lift the top of the appliance off and put to one side.
- 5.3 For top flue exit lift and support the top to give clearance, see Diagram 2.



- 5.4 Lift the front upwards until it is clear of the slots and pull away from the appliance, see Diagram 3.



- 5.5 Remove the glass frame by undoing the fixing screws and lifting clear, see Diagram 4. **Take care to support the glass window panel when removing the screws.**
- 5.6 Place carefully to one side.



- 5.7 Lift out the log retainer bar.
- 5.8 Carefully remove the ceramic fuel bed components and set aside. Protect the floor coverings and follow the advice given in Section 6.
- 5.9 The logs do not require cleaning. Do not use a vacuum cleaner or brush to clean the coals, any large pieces of debris can be removed by hand.
- 5.10 Ensure any debris is removed from the burner ports.
- 5.11 Replace the ceramics, see Section 6.
- 5.12 Use a damp cloth to clean the outer casing of the appliance.

Installation Instructions

6. Arrangement of Fuel Bed

Advice on handling and disposal of fire ceramics



The fuel effect of the log version of this appliance is made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste.

RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

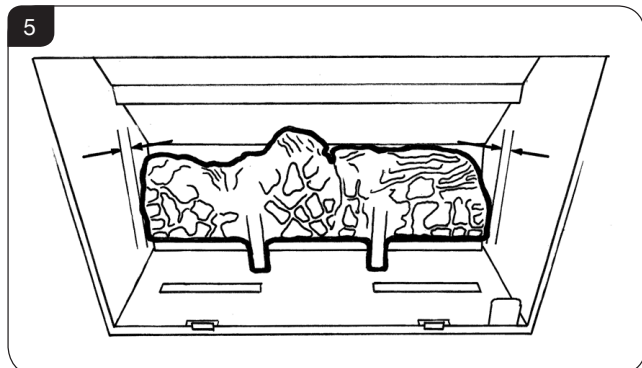
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

7. Log Layout

LOGS MUST BE POSITIONED ACCORDING TO THE FOLLOWING INSTRUCTIONS TO GIVE THE CORRECT FLAME EFFECT

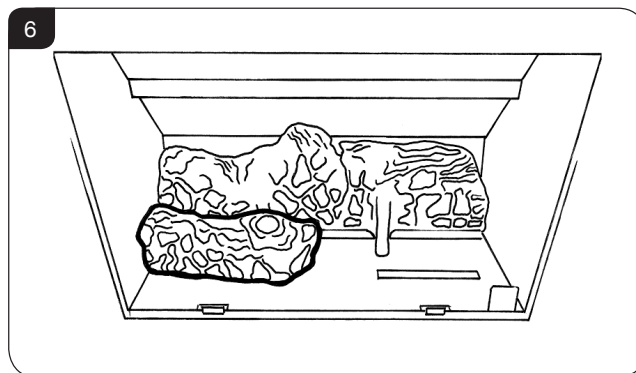
The fuel bed consists of 5 logs and 2 ash panels. The logs have letters A,B,C,D and E moulded into them for identification.

- 7.1 Take the rear log A and place it up against the rear of the fire sitting on the two flat ledges of the burner. The two legs of the log should sit between the rear burner ports, see Diagram 5.

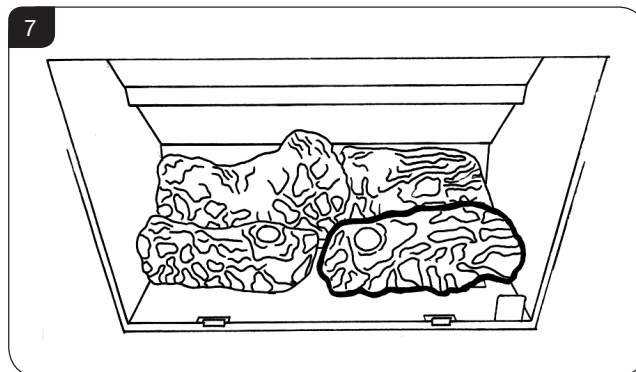


Ensure there is an equal gap between each side of the log and the side of the firebox.

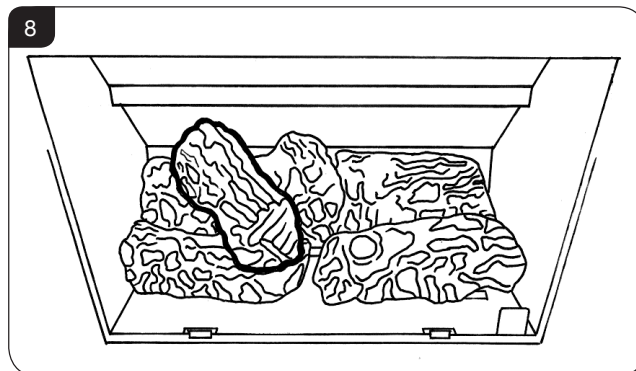
- 7.2 Place log B on the left hand side of the burner with the location bar on the underside of the log fully located in the long slot of the burner. Make sure the log is as far to the left as possible, see Diagram 6.



- 7.3 Place log C on the right hand side of the burner with the location bar on the underside of the log fully located in the long slot in the burner. Make sure the log is as far right as possible, see Diagram 7.

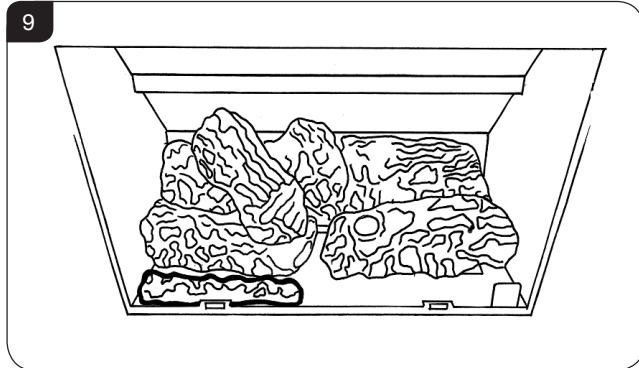


- 7.4 Place log D across from the rear log A to log B on the left-hand side. There are cut-outs in both logs for location, see Diagram 8.

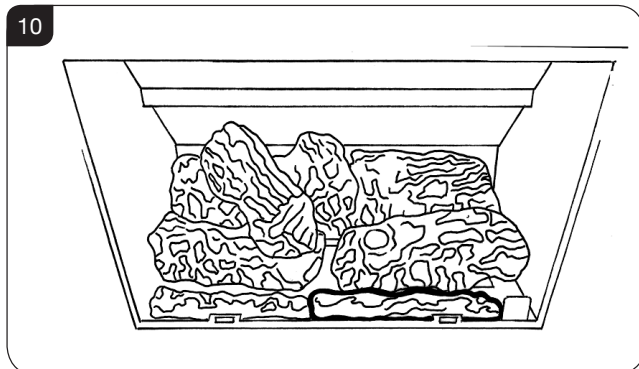


Installation Instructions

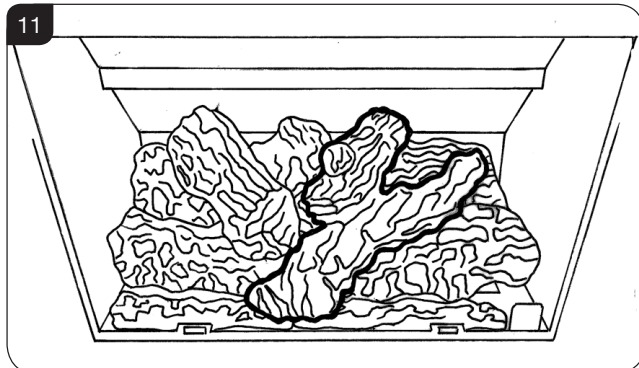
- 7.5 There are two ash panels which lay across the front of the burner skin. Place the panel with the flat edge facing the left side of the firebox. There are location holes on this panel which fit over the screw holes of the burner skin, see Diagram 9.



- 7.6 Place the second ash panel to the right of the first, with the pointed end of the panel fitting into the V shape. This panel should locate on the screw holes of the burner skin. Ensure that both panels are horizontal to the burner ports, see Diagram 10



- 7.7 Place log E across from the rear of log A to log C on the right hand side. Again, there are cut-outs for location. The front of the log should sit on the front ash panels and should fit tight to log C, see Diagram 11.

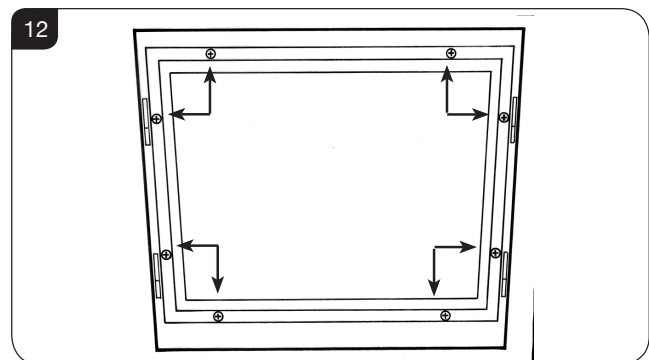


- 7.8 Replace the log retainer.

8. Completion of Assembly

- 8.1 Ensure the rope seal fitted to the rear of the glass frame is intact.
- 8.2 Use a ceramic glass product generally sold for cleaning ceramic hobs to clean the glass front.
- 8.3 Refit glass frame and tighten screws evenly, see Diagram 12.

NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED, OR THE GLASS IS BROKEN.

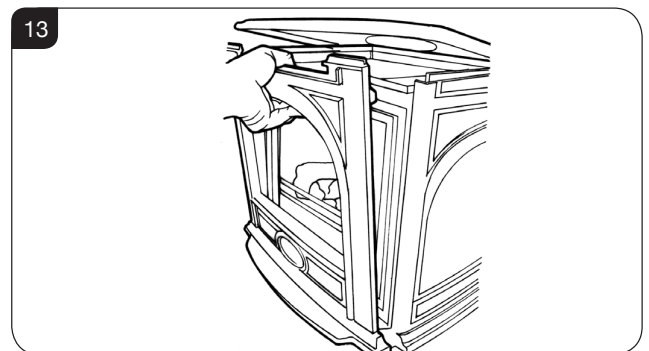


- 8.4 Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.

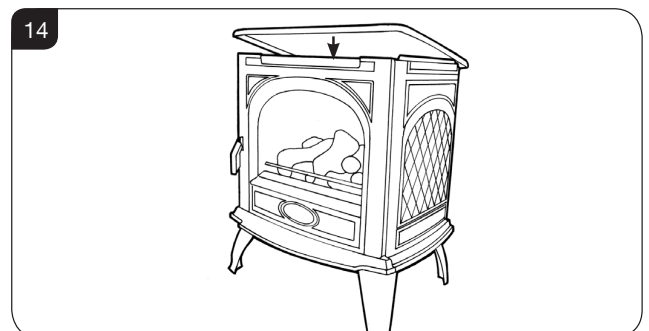


UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

- 8.4 With the top still supported or removed refit front by locating in grooves and lowering into place, see Diagram 13.



- 8.5 Now replace top, see Diagram 14.



Installation Instructions/Commissioning

9. Operating the Appliance

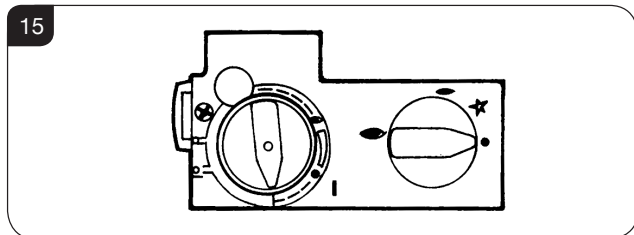
- 9.1 The control valve is at the foot on the right-hand side of the appliance. It has two controls, see Diagram 24:

1. The right-hand knob controls the pilot ignition
2. The left-hand knob controls the main burner

- 9.2 Refer to separate instructions if your appliance is upgraded to include battery remote control. The instructions below apply whether or not you have the remote upgrade.

Lighting the Pilot

- 9.3 To start the left-hand and right-hand control knobs must both point to off (●):



- 9.4 Press in the right-hand control knob and rotate anti-clockwise until a click is heard. Continue to press in. The knob points to the pilot (—).

The pilot is lit

- 9.5 Keep the knob depressed for 10 seconds before releasing. The pilot remains lit.

Repeat the above steps if the pilot does not stay lit

NOTE: If the pilot goes out, the Interlock system prevents you lighting again for a short period

- 9.6 If, after repeating the above steps the pilot does not light, contact your Retailer or Installer.

- 9.7 Turn the right-hand knob to the left to main burner setting (↔)

Adjusting the Flame height

- 9.8 You can now adjust the flame height and temperature using the left-hand control knob.

- 9.9 Turn the left-hand knob anti-clockwise to increase the flame height

- 9.10 Turn clockwise to decrease the height



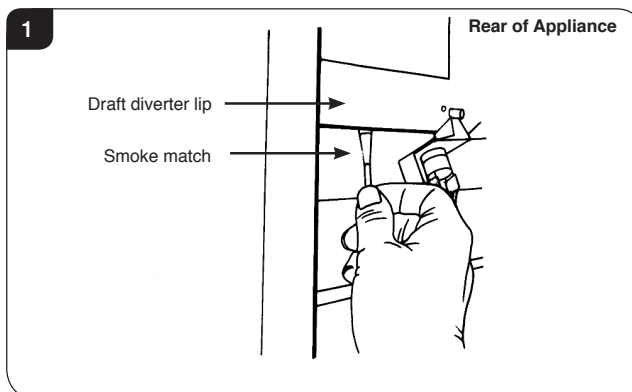
IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.



WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

1. Commissioning

- 1.1 Close all doors and windows in the room.
- 1.2 Ignite the appliance and operate on maximum for 10 minutes.
- 1.3 Position a lighted smoke match just inside the draught diverter opening at the rear of the appliance.
- 1.4 Check all smoke is drawn into the opening, see Diagram 1.



- 1.5 If there is any doubt, run the appliance for a further 10 minutes, and repeat the test.
- 1.6 If there are any extractor fans in adjacent rooms, the test must be repeated with the fans running on maximum and interconnecting doors open.

IF SPILLAGE PERSISTS, DISCONNECT THE APPLIANCE AND SEEK EXPERT ADVICE.

- 1.7 Complete the Commissioning Checklist at the front of this manual covering:
 - Flue checks
 - Gas checks
 - Log layout - flame picture
- 1.8 Upon completion of the commissioning and testing of the installation and correct operation of the appliance, the installer must instruct the user how to operate the appliance.
- 1.9 Guide the user through the User Instructions paying particular attention to:
 - a) Regular servicing (Section 12 of the User Instructions).
 - b) Ventilation (Section 13 of the User Instructions) - point out the ventilation positions where applicable.
 - c) Hot surfaces (Section 15 of the User Instructions).

Servicing Instructions

Servicing/Fault Finding Charts

1. Servicing Requirements

IMPORTANT – The glass panel on this appliance should be checked for any signs of damage on the front face of the glass panel (scratches, scores, cracks or other surface defects). If damage is observed, the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed. Please isolate the appliance until a replacement glass panel has been obtained and installed. Replacement glass panels can be purchased from Dovre via the retailer from which the appliance was purchased or any other Dovre distributor.

This appliance must be serviced at least once a year by a competent person.

All tests must be carried out in accordance with the current Gas Safe recommendations.

1.1 Before Testing:

- Conduct a gas soundness test for the property ensuring there are no leaks before servicing.
- Check the operation of the appliance before testing.

1.2 Special checks:

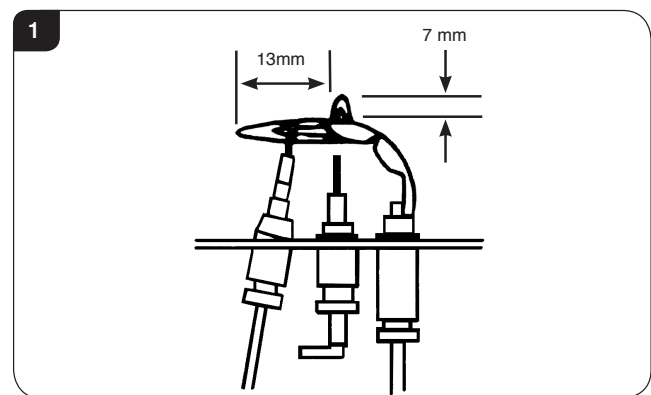
- Clean the burner using a vacuum cleaner with a soft brush attachment. Ensure all debris is removed from the burner ports.

- Clean away lint or fluff from the pilot.
- Clean away lint or fluff from under the burner.
- Check the spark gap on the pilot is correct, see Diagram 1.
- Ensure that the glass frame is secured correctly and that all retaining screws are in place.

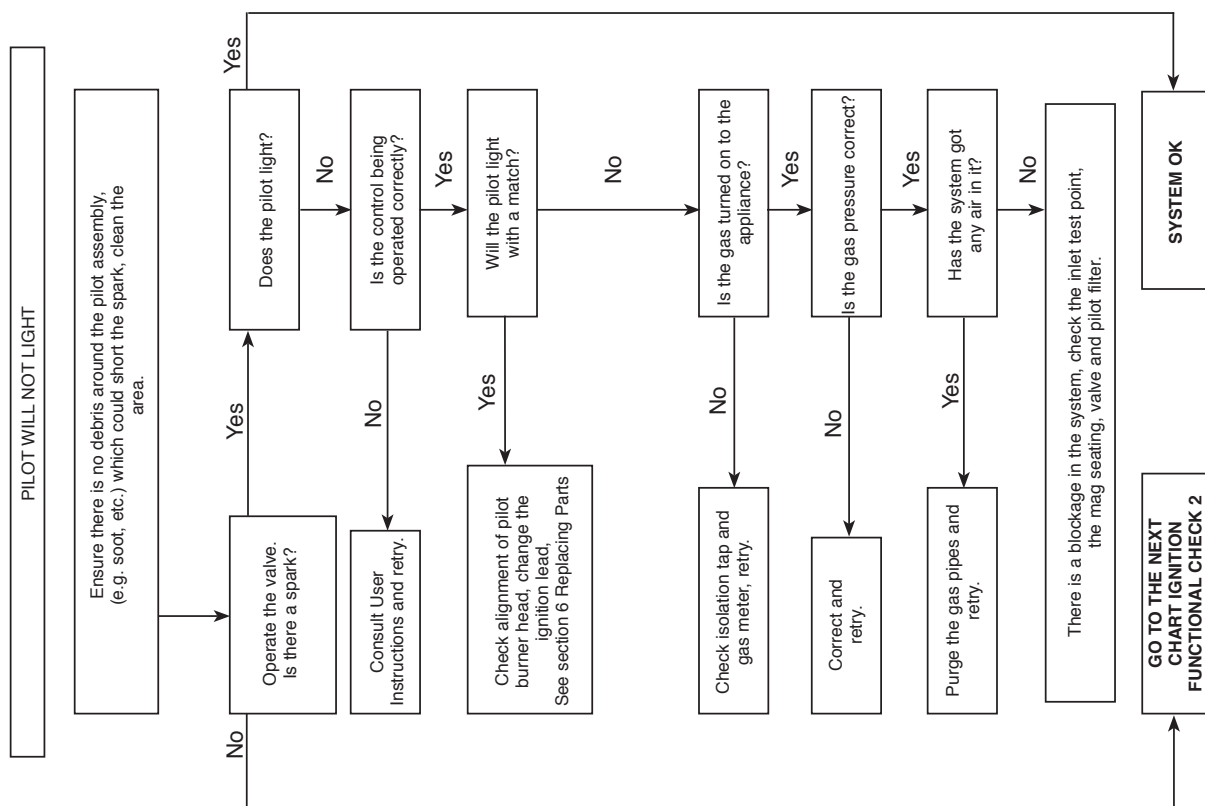
1.3 Correct any faults found during the initial test.

1.4 Re-commission the appliance in accordance with Commissioning Procedures.

1.5 Advise the customer of any remedial work undertaken.



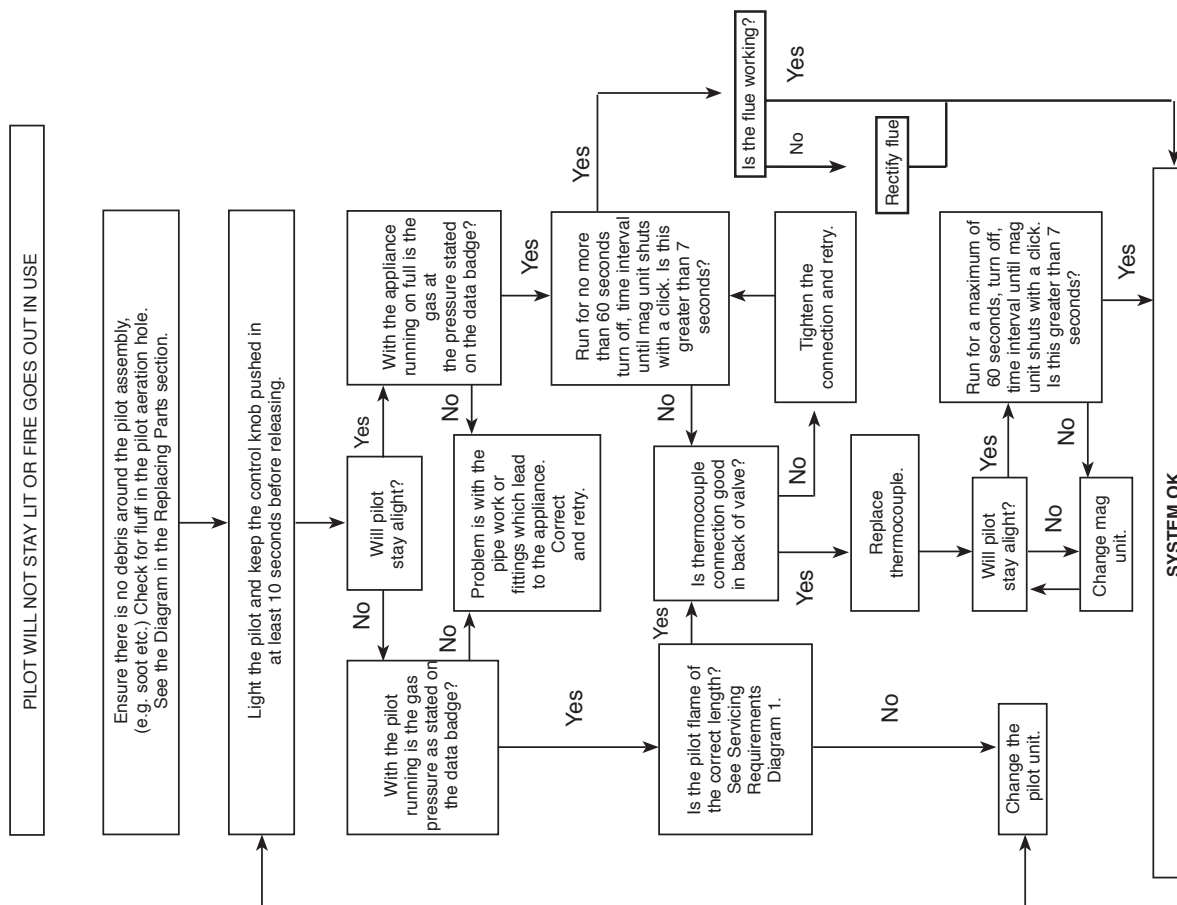
IGNITION FUNCTIONAL CHECK 1



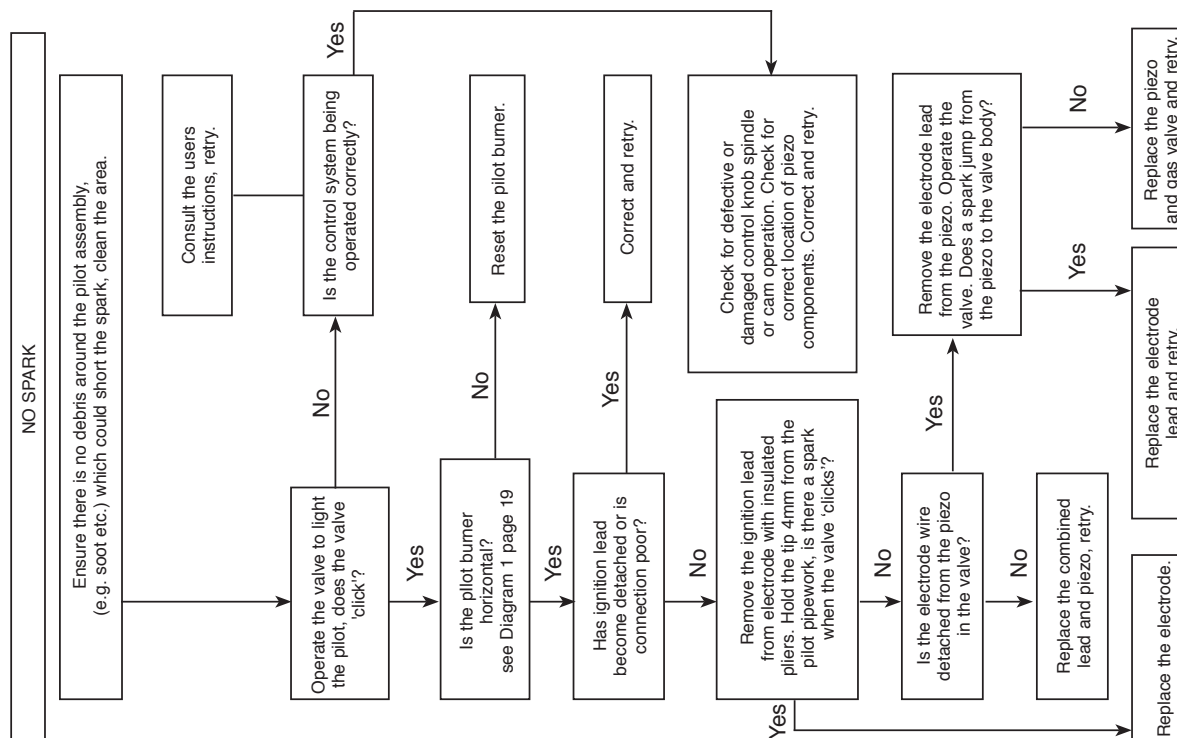
Servicing Instructions

Fault Finding Charts

FLAME FAILURE FUNCTIONAL CHECK 3



IGNITION FUNCTIONAL CHECK 2



Servicing Instructions - Replacing Parts

1. General

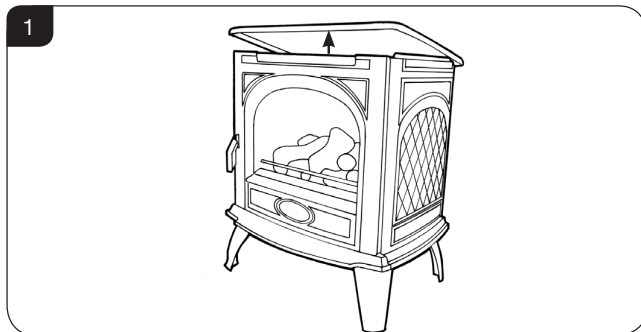
- 1.1 All main components can be replaced without removing the appliance from its installation.
IT IS ESSENTIAL THAT THE GAS SUPPLY TO THE APPLIANCE IS TURNED OFF AT THE ISOLATION DEVICE BEFORE PROCEEDING FURTHER.
- 1.2 **Removal of Flue**
- If, for any reason, the flue has to be removed from the appliance, the seal must be replaced in the inner spigot.

2. Removing the Door

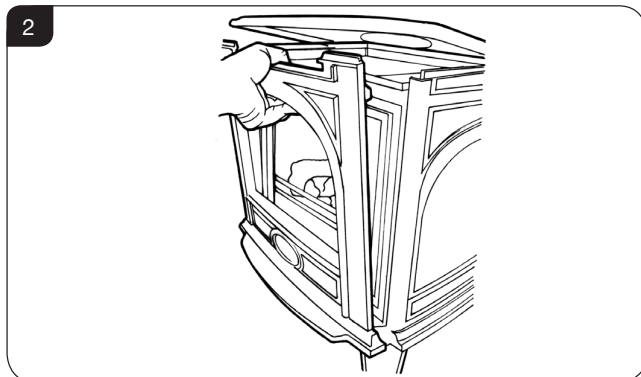


IMPORTANT: THE OUTER PANNELLING OF THE DOVRE 425 IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

- 2.1 For rear flue exit lift the top of the appliance off and put to one side.
- 2.2 For top flue exit lift and support the top to give clearance, see Diagram 1.

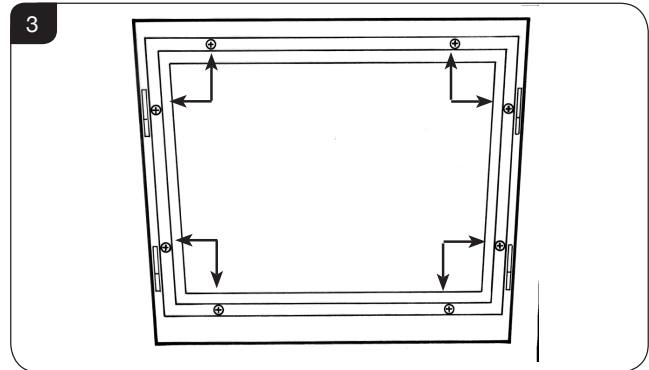


- 2.3 Lift the front upwards until it is clear of the slots and pull away from the appliance, see Diagram 2.



3. Window Frame Assembly

- 3.1 Remove the glass frame by undoing the fixing screws and lifting clear, see Diagram 3. **Take care to support the glass window panel when removing the screws.**



- 3.2 Place carefully to one side.
- 3.3 Lift out the log retainer bar and carefully remove the ceramic fuel bed components.
- 3.4 Refit in reverse order.
- 3.5 Ensure that the fibreglass seal on the back of the glass frame and replace the screws working from the top down. Tighten the screws evenly **DO NOT OVER TIGHTEN**, see Diagram 3.

NEVER OPERATE THE APPLIANCE WHEN THE GLASS FRAME IS REMOVED OR BROKEN.

- 3.6 Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.

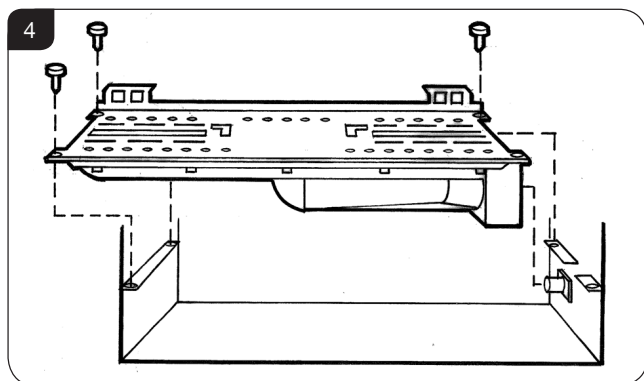


UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED IF ANY OF THE GLASS FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

Servicing Instructions - Replacing Parts

4. Main Burner

- 4.1 Remove the three securing screws, two at the rear and one at the front left hand side, see Diagram 4.
- 4.2 Raise the left hand side of the burner to clear the bracket, draw the left hand side forward. The burner venturi is engaged over the injector. When removing the burner be sure to clear the injector, this will release the right hand side of the burner. Take care when removing the burner so as not to damage the pilot burner.



- 4.3 To replace the burner, engage the venturi over the injector ensuring the burner sits on top of the fixing bracket. Push the burner to the right and replace the three fixing screws.

NOTE: BEFORE REPLACING THE BURNER, ENSURE THE SILICONE SEAL AROUND THE INJECTOR IS INTACT AND CHECK THAT VENTURI COVER IS ATTACHED.

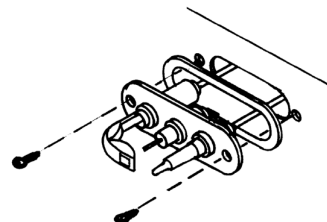
5. Pilot Unit

- 5.1 The pilot assembly consists of five components, which can be individually replaced:
 - 5a) Pilot burner bracket
 - 5b) Pilot injector
 - 5c) Electrode
 - 5d) Thermocouple
 - 5e) Gasket
- 5.2 Turn the gas supply off at the isolation device, remove the door and place to one side, carefully remove the ceramic fuel bed components.

5a Pilot Burner Bracket

- 5.3 Refer to Section 4 to remove the main burner.
- 5.4 Remove the two fixing screws from the pilot bracket, see Diagram 5. Gently draw the assemble away from the firebox to give access to the nuts and ignition lead.
NOTE: TAKE CARE NOT TO DAMAGE THE GASKET.

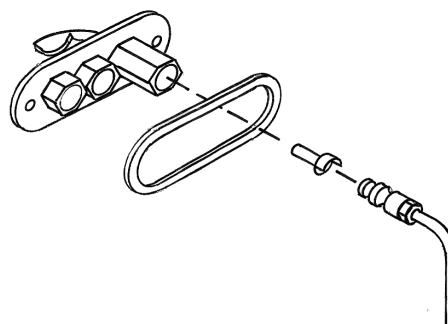
5



5b Pilot Injector

- 5.5 Undo the compression nut on the pilot feed pipe and withdraw the injector which will be hooked onto the olive. When replacing an injector always make sure it is hooked onto the olive before inserting it into the pilot burner, see Diagram 6.

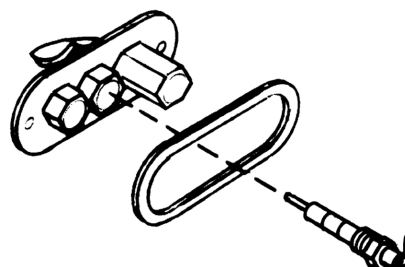
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5c Electrode

- 5.6 Disconnect the ignition lead and undo the retaining nut. The electrode can now be removed, note the orientation of the electrode terminal when reassembling, see Diagram 7.

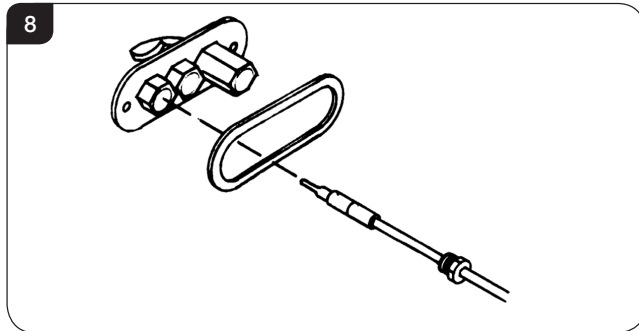
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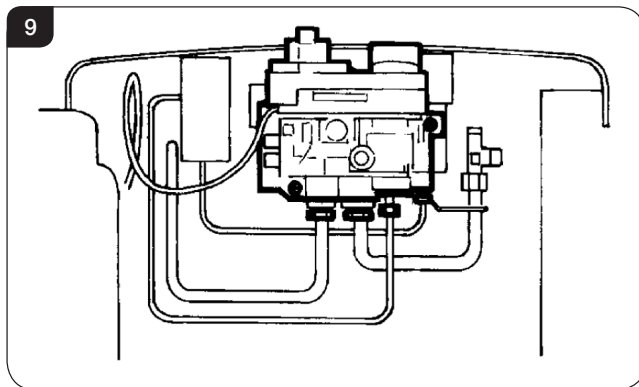
Servicing Instructions - Replacing Parts

5d Thermocouple

- 5.7 Undo the retaining nut and withdraw the thermocouple. Undo the thermocouple from the back of the gas valve, see Diagram 8. Reassemble in reverse order. **Do not overtighten.**



NOTE: SPECIAL CARE SHOULD BE TAKEN WHEN REPLACING THE THERMOCOUPLE TO THE BACK OF THE GAS VALVE ENSURING THAT THE SENSOR WIRES FOR THE FLUE SURE SYSTEM ARE NOT DISCONNECTED.



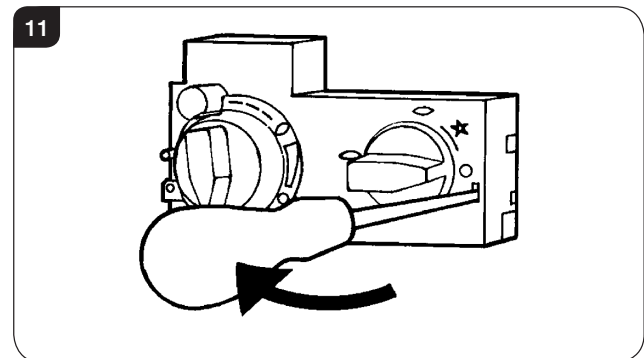
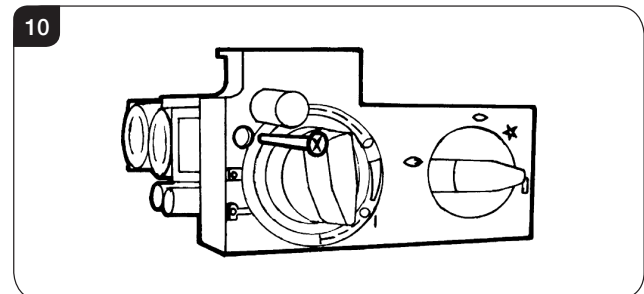
5e Gasket

- 5.8 Disconnect all the above components and withdraw the gasket. If it is damaged, replace with a new item. **Always replace the gasket first when reassembling the pilot components.**

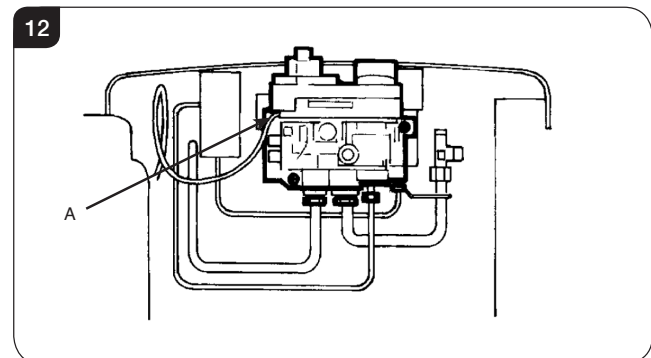
6. Ignition Lead

- 6.1 Follow the Pilot Unit instruction to access the back of the pilot assembly.
6.2 Disconnect the ignition lead from the electrode.
6.3 Remove the front cover from the control valve by removing the retaining screw, see Diagram 10 and gently levering clear with flat bladed screwdriver, see Diagram 11.

NOTE: There is a small cylindrical metal spacer inside the cover, this must be kept and replaced on the fixing screw on re-assembly



- 8.4 Disconnect the other end of the ignition lead from the valve body noting the route of the ignition lead, see Diagram 12 Arrow A,



- 6.5 Replace with a new ignition lead following the same route as the old one.

Replace the valve cover and the pilot assembly.

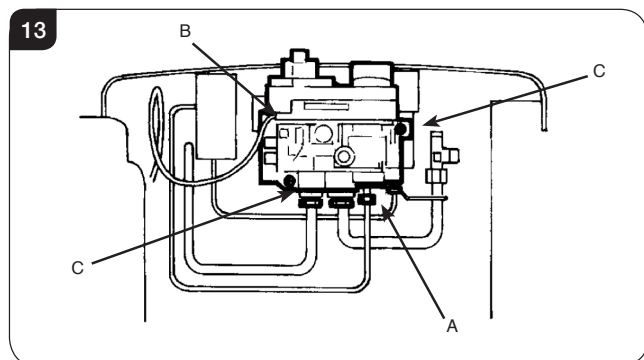
Servicing Instructions - Replacing Parts

7. Piezo

- 7.1 The piezo assembly used on this appliance is not serviceable and is unlikely to fail.
- 7.2 If a new piezo is required it will be necessary to change the valve, see Section 8.

8. Gas Valve

- 8.1 Turn the gas supply off at the isolation device.
- 8.2 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings at the back of the gas valve and also disconnect the thermocouple, see Diagram 13, Arrow A.
- 8.3 Remove the control valve cover and disconnect the ignition lead from the gas valve, see Section 4.
- 8.4 Undo the two bolts securing the gas valve to the appliance and remove the valve, see Diagram 13, Arrow C.
- 8.5 Replace in reverse order.
- 8.6 Check all joints for gas leaks, check the operation of the thermocouple and ignition lead.

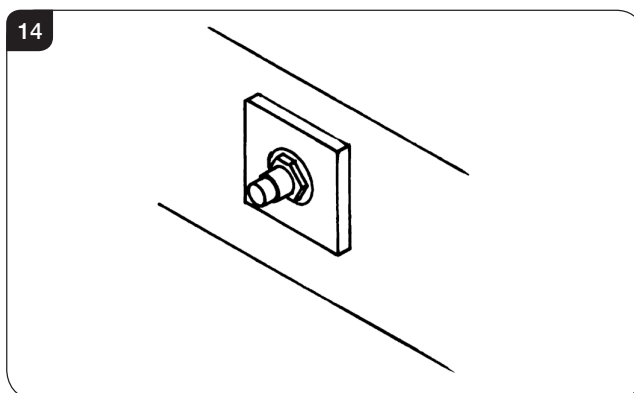


9. Magnetic Safety Valve

- 9.1 Turn the gas supply off.
- 9.2 Undo the magnetic valve-retaining nut from the back of the control valve, see Diagram 13 (A).
- 9.3 Gently tap out the magnetic valve and replace with a new unit.
- 9.4 Replace the retaining nut and tighten.
- 9.5 Reassemble the interrupter block and leads and secure the thermocouple connection in the rear of the gas control. **Do not overtighten.**
- 9.6 Turn the gas supply on and check the entire pipework and valve joints for any leaks.

10. Main Injector

- 10.1 Turn the gas supply off.
- 10.2 Remove the main burner, see Section 4.
- 10.3 Undo the compression nuts from the feed pipe and the gas valve under the appliance.
- 10.4 Working from inside the firebox remove the lock nut from the injector, see Diagram 14.



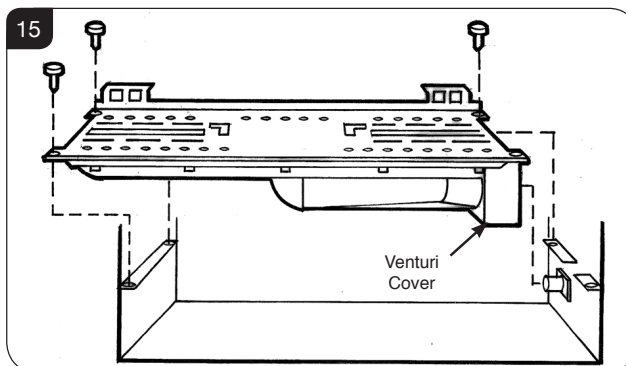
- 10.5 Extract the injector with the feed pipe from beneath the appliance.
- 10.6 Holding the injector with a spanner:
- 10.7 Undo the feed pipe. **Note the orientation of the injector.**
- 10.8 Re-assemble in reverse order.
- 10.9 Turn on the gas supply and check for leaks.

11. Flue Sure System

- 11.1 Remove the front door by undoing the four dome nuts and remove the cast iron door.

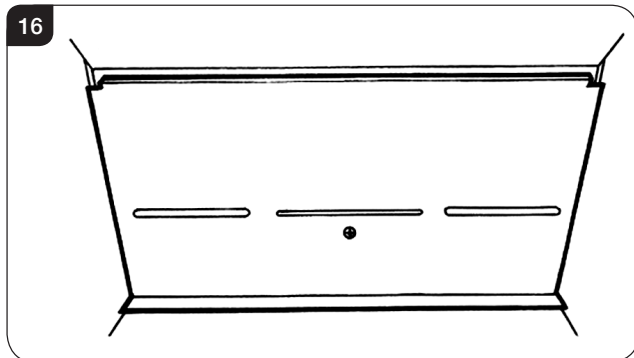
NOTE: THE CAST IRON DOOR IS HEAVY. TAKE EXTREME CARE WHEN HANDLING.

Carefully remove the log retainer and ceramic components and place to one side. Remove the burner casting by removing the three screws located on the sides of the burner skin.

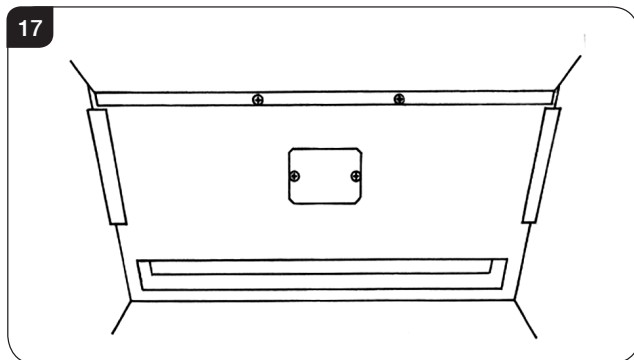


Servicing Instructions - Replacing Parts

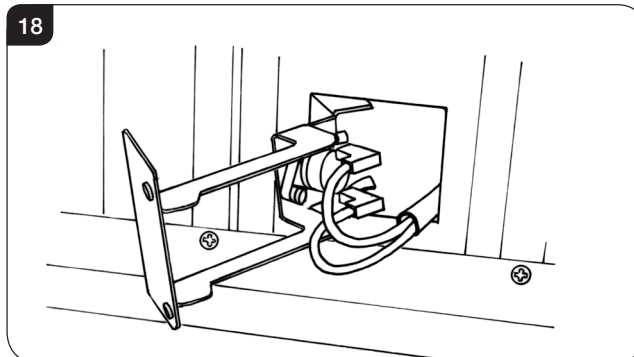
- 11.2 Remove the screw on the back panel and remove the panel, see Diagram 16.



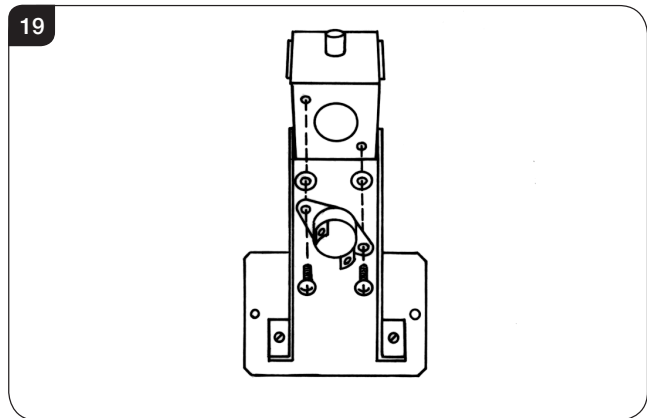
- 11.3 Undo the two screws at the back of the firebox and carefully withdraw the bracket.



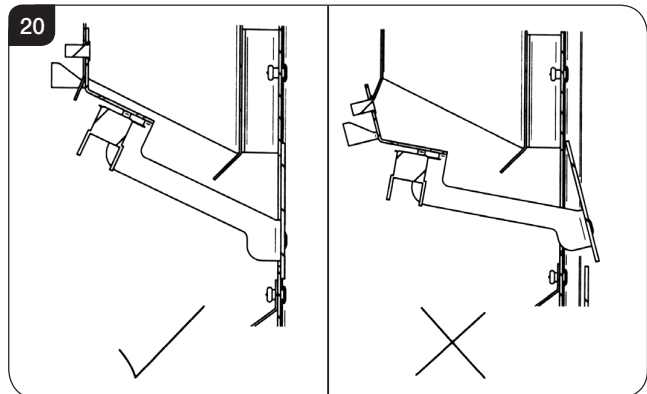
- 11.4 Disconnect the two slender wires. Undo the two screws and remove the sensor and the two plastic spacers. See Diagram 18.



- 11.5 Refit the new sensor, ensuring that the plastic spacers are between the sensor and the bracket. Refit the leads. See Diagram 19.

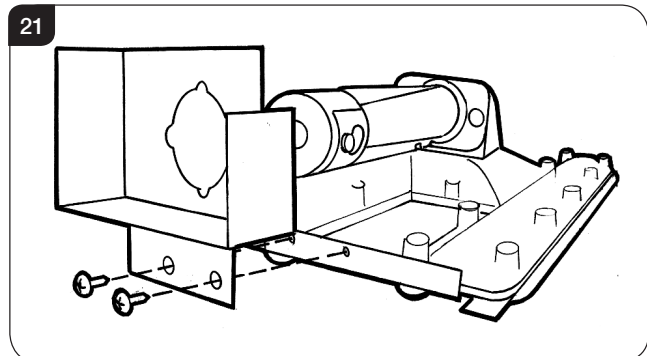


- 11.6 Feed the cable back through the hole as you replace the bracket. When the bracket is located correctly it will sit flush with the back panel without force required. If not positioned correctly the bracket will sit at an angle. See Diagram 20.



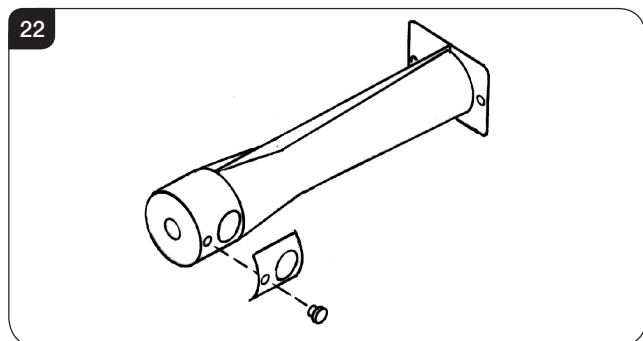
12. Primary Aeration Plate

- 12.1 Turn the gas supply off at the isolation device.
- 12.2 Refer to section 4 to remove the main burner.
- 12.3 Remove the two screws on the burner skin to detach the venturi cover from the venturi. Slide the venturi cover off the venturi as per Diagram 21.



Servicing Instructions - Replacing Parts

- 12.4 Refer to the technical specification and databadge to check the gas type and its required aeration plate. Change the aeration plate, if necessary.



- 12.5 Reassemble in reverse order with correct aeration plate(s).
NOTE: EVEN IF NO AERATION PLATE IS REQUIRED, THE SMALL SCREW(S) MUST BE REPLACED.

13. Changing Between Gas Types

In order to change between gas types, it will be necessary to change the following items:

Pilot Injector
Control Valve
Injector
Main Burner
Aeration Plate (if required)
Data Badge

A kit of parts is available for this, always quote the Model number and Serial number when ordering any spare parts.

NOTE: THE CONTROL VALVE IS FACTORY PRESET FOR THE CORRECT GAS TYPE AND MODEL, A NEW UNIT WILL NEED TO BE ORDERED WHEN CHANGING BETWEEN GAS TYPES.

14. Short Spares List

COMPONENT	NG	LPG	
	G20 20mbar	G30 29mbar	G31 37mbar
MAIN INJECTOR	PI0045	PI0030	PI0030
AERATION PLATE	N/A	N/A	GZ5387
PILOT INJECTOR	PI0026	PI0015	
BURNER ASSEMBLY	GZ5369	GZ5388	
THERMOCOUPLE	PI0010		
MAGNETIC UNIT	GC0092		
ELECTRODE	P10053		
PILOT GASKET	P10052		
GAS VALVE	GC0088K		
IGNITION LEAD	GC0090		
COMPLETE LOG SET	CE0583		
LOG A	CE0584		
LOG B	CE0585		
LOG C	CE0586		
LOG D	CE0587		
LOG E	CE0588		
LEFT ASH PANEL	CE0589		
RIGHT ASH PANEL	CE0590		
TTB	EL0001		
TTB LEAD	EL0064		
INTERUPTER BLOCK	GC0026		
STANDARD UPGRADE	8455		
THERMOSTAT/TIMER KIT	8456		

Service Records

1ST SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

3RD SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

5TH SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

7TH SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

9TH SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

2ND SERVICE

Date of Service
Next Service Due
Signed
Retailer's Stamp/Gas Safe Registration Number

4TH SERVICE

Date of Service
Next Service Due
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6TH SERVICE

Date of Service
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8TH SERVICE

Date of Service
Next Due
Signed
Retailer's Stamp/Gas Safe Registration Number

10TH SERVICE

Date of Service
Next Service Due
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