Dovre 280

Balanced 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 (LATEST EDITION) 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.

PR0983 Issue 7 (December 2017)

Contents

Covering the following models:

Model	NATURAL GAS	LPG
Black	DV541-148	DV541-503
Ivory Enamel	DV541-169	DV541-531
Ivory White Enamel	DV541-049	DV541-468
Black Enamel	DV541-213	DV541-599
Majolica Brown	DV541-262	DV541-733

It is a requirement of the Building Regulations 2010 that the installation of this appliance is notified to the Local Authority. It is the responsibility of the GasSafe registered installer to carry out this notification to the Local Authority via the GasSafe register Competent Persons Scheme in England and Wales (different rules apply in Scotland and Northern Ireland).

When the installation has been notified, GasSafe will send a Building Regulations Compliance Certificate to you containing details of the work completed. Please ensure that the person responsible for the installation of this appliance completes this notification and records it in the Appliance Commissioning Checklist on page 3.

IT IS YOUR RESPONSIBILITY TO COMPLY WITH THE BUILDING REGULATIONS AND BE ABLE TO PRODUCE THIS CERTIFICATE SHOULD IT BE REQUIRED IN THE FUTURE.

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			
6. Have controls been upgraded (Upgradeable models only)	8455 Standard	YES	NO
	8456 Programmable Thermostatic and Timer	YES	NO
SAFETY CHECK			
1. Glass checked to ensure no damage, scratches, scores or cracks.			
2. Door secured correctly and all screws replaced			
BUILDING CONTROL NOTIFICATION		**YES**	**NO**
1. Installer notified GasSafe/Local Authority of installation via Competent Persons Scheme?			

RETAILER AND INSTALLER INFORMATION

Retailer .....

.....

.....

Contact No......

Date of Purchase .....

Model No. .....

Serial No......

Gas Type .....

Installation Company.....

.....

.....

Engineer.....

Contact No......

GasSafe Reg No. .....

Date of Installation .....

User Instructions

Welcome

Congratulations on purchasing your Dovre 280 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 GasSafe register. To ensure the engineer is registered with GasSafe they should possess an ID Card carrying the following logo:

GAS safe REGISTER

1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge accessed from the rear of the appliance 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 The manufacturer considers the full outer casing of this stove to be a working surface and it will become hot whilst in operation. A suitable guard is recommended to protect young children, the aged and the infirm.

1.5 No furnishings or other objects should be placed within 1 metre of the front of the appliance.

1.6 If a shelf is fitted, a distance of 225mm above the appliance is required.

1.7 Do not attempt to burn rubbish in this appliance.

1.8 This appliance must only be operated with the door secured firmly in position. If any cracks appear in the glass the appliance must not be used until the glass panel is replaced.

1.9 If, for any reason, the flue has to be removed from the appliance, the seals must be replaced in the inner spigot.

1.10 Do not obstruct the flue terminal in any way i.e. by planting flowers, trees shrubs etc. in the near vicinity, or by leaning objects up against the terminal guard.

1.11 Do not put any objects on the terminal guard; it will lose its shape.

1.12 Do not use a garden sprinkler or hose near the terminal.

1.13 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.

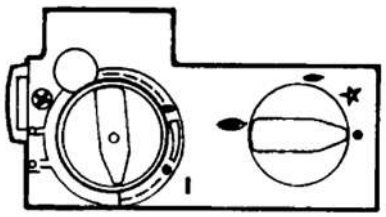
2. Operating the Appliance

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.

1



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.

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 retailer.
There is no requirement for this upgrade to be carried out by an approved GasSafe 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 PANELLING OF THE APPLIANCE IS MADE FROM CAST IRON. USE CAUTION WHEN INSTALLING, REMOVING AND STORING AS THE COMPONENTS ARE HEAVY AND SHOULD BE HANDLED CAREFULLY.

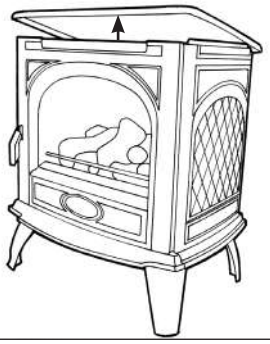
5.1 Make sure the appliance and surrounds are cool before cleaning.

REMOVING THE DOOR

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

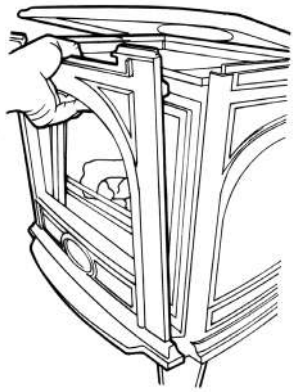
5.3 For top flue exit lift and support the top to give clearance, see Diagram 2.

2



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

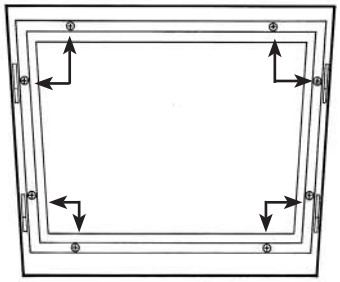
3



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.

4



5.7 Lift out the log guard.

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 Ensure that the rope seal on the back of the glass frame is intact and replace the screws working from the top down. Tighten the screws evenly **DO NOT OVER TIGHTEN**, see Diagram 4.

5.13 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 FRAME RETAINING SCREWS ARE LOOSE OR MISSING.

5.14 With the top still supported or removed refit front by locating in grooves and lowering into place, see Diagram 3.

5.15 Replace top, see Diagram 2.

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

5.16 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 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.

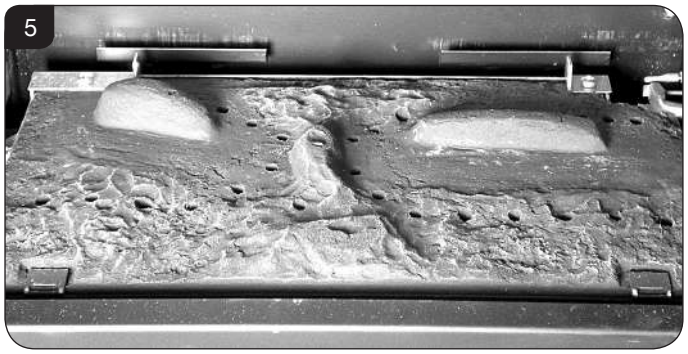
Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

7. Log Layout

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

7.1 Ensure the burner tray is clean and free from any debris, see Diagram 5.

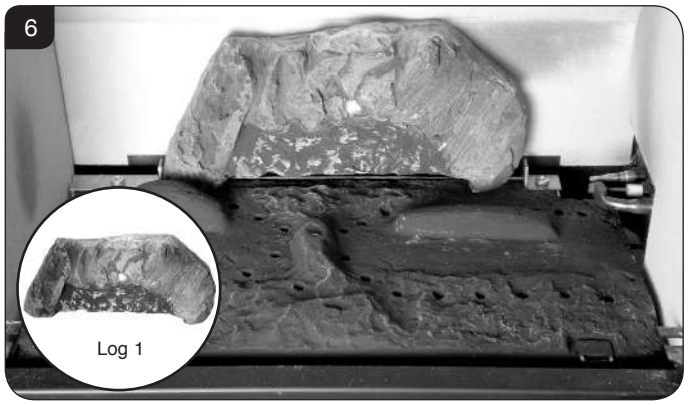
5



The three logs that make up the fuel bed are visually distinct and fit into specific parts on the burner tray.

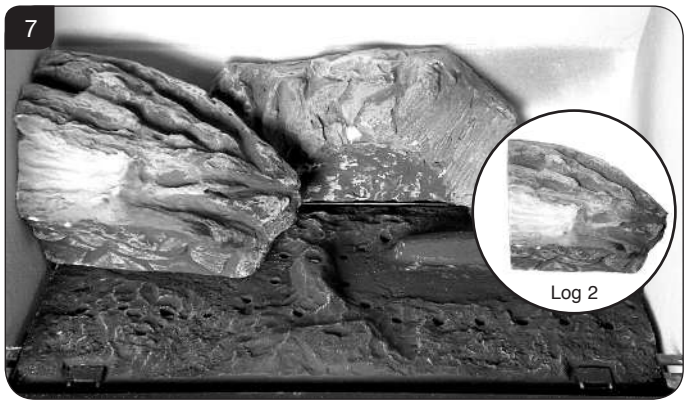
7.2 Place the rear log into position between the rear brackets and pushed up against the back panel, see Diagram 6.

6



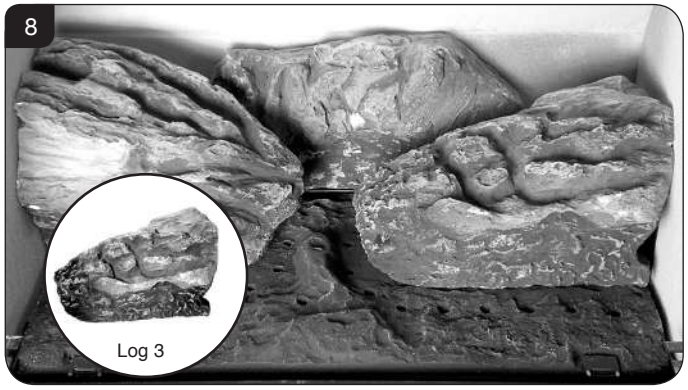
7.3 Place the second log into the left hand groove on the burner tray, see Diagram 7.
The log should butt up against the raised molding and the left hand side liner.

7



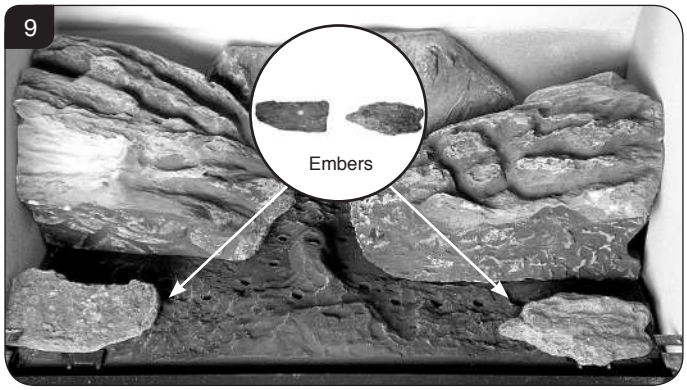
7.4 Place the third log into the groove on the right hand side, see Diagram 8 .
The log should butt up against the raised molding and the right hand side liner.

8



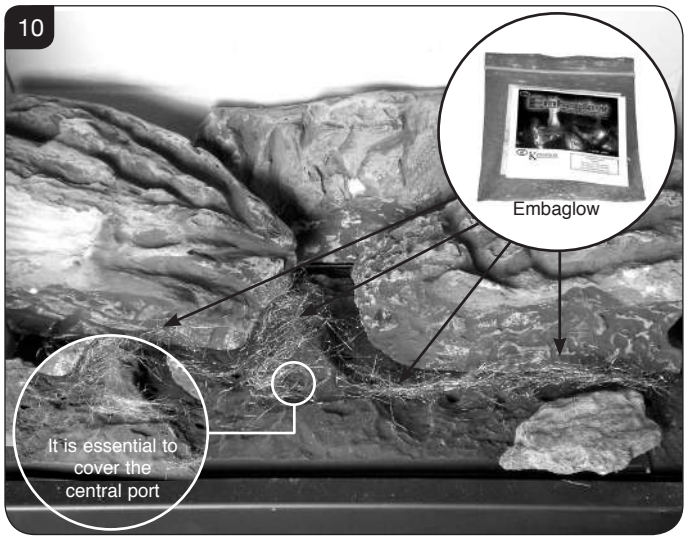
7.5 Once the logs are in there are two embers which can be loosely placed at the front of the fuel bed and cover the tabs securing the burner tray, see Diagram 9.

9



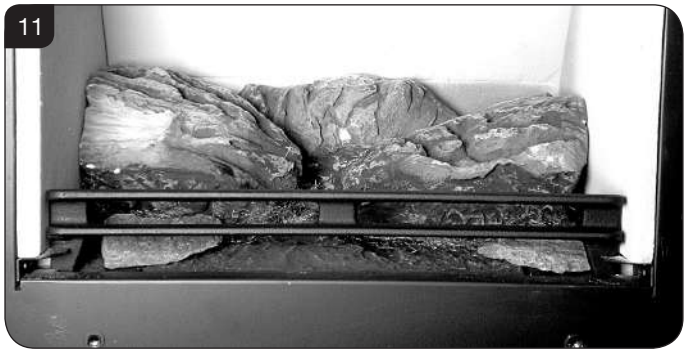
7.6 Use some of the Embaglow provided and cover the ports in the burner tray with a liberal amount of fibres, see Diagram 10.
It is essential to cover the port in the middle of the burner tray in order to get the most visually appealing flame picture.
NOTE: It is not necessary to use all of the Embaglow.

10



7.7 Fix log guard into position, see Diagram 11.

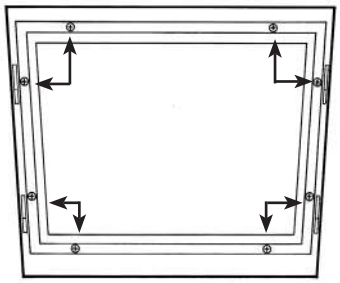
11



The glass frame must be refitted to the appliance following cleaning or servicing.

7.8 Ensure that the rope seal on the back of the glass frame is intact and replace the screws working from the top down. Tighten the screws evenly **DO NOT OVER TIGHTEN**, see Diagram 12.

12



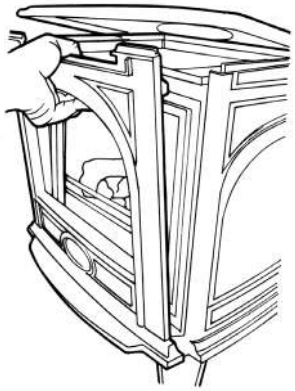
7.9 Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.

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

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

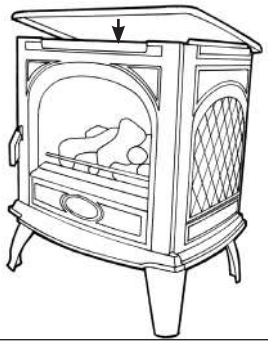
7.10 With the top still supported or removed refit front by locating in grooves and lowering into place, see Diagram 13.

13



7.11 Now replace top, see Diagram 14.

14



8. Flame Failure Device

8.1 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.

9. Running In

9.1 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.

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

10. Servicing

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

11. Ventilation

11.1 This appliance requires no additional ventilation.

12. Installation Details

12.1 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.

13. Hot Surfaces

13.1 Parts of this appliance become hot during normal use. Regard all parts of the appliance as a ‘working surface’.

13.2 Provide a suitable fire guard to protect young children and the infirm.

Technical Specification

Covering the following models:

Model	NATURAL GAS	LPG
Black	DV541-148	DV541-503
Ivory Enamel	DV541-169	DV541-531
Ivory White Enamel	DV541-049	DV541-468
Black Enamel	DV541-213	DV541-599
Majolica Brown	DV541-262	DV541-733

Model	Gas CAT.	Gas Type	Working Pressure	NOx	Aeration	Injector	Gas Rate m^3/h	Input kW (Gross)		Country
								High	Low	
Dovre 280	I_{2H}	Natural (G20)	20mbar	4	6mm x 10mm	158	0.409	4.3	2.5	GB, IE
	I_{3P}	Propane (G31)	37mbar	3	6mm x 10mm (1) 16mm x 23mm (1)	110	0.162	4.3	2.5	GB, IE
Rear Exit Wall Thickness - Min 200mm/ Max 550mm										
Efficiency Class 1 - 84.3%										
Flue Outlet Size ø 152mm, Flue Inlet Size ø 100mm										
Gas Inlet Connection Size ø 8mm										

The net efficiency of this appliance has been measured as specified in EN613:2001 and the result after conversion to gross using the appropriate factor from Table E4 of SAP 2012 is 77.6%. The test data has been certified by Kiwa Nederland BV. The gross efficiency value may be used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings.

RESTRICTOR REQUIREMENT				
VERTICAL & HORIZONTAL FLUE			TOP EXIT - VERTICAL ONLY INCLUDING OFFSET	
Vertical Flue Height	Horizontal Length	Restrictor Size	Vertical Flue Height	Restrictor Size
500mm - 999mm	250mm - 1000mm	No restrictor	3000 - 4999mm	Ø 52mm (Sliding)
1000mm - 1999mm	250mm - 1000mm	Ø 60mm	5000mm - 10,000mm	Ø 40mm (Sliding)
2000mm - 3000mm	250mm - 5000mm	Ø 52mm		

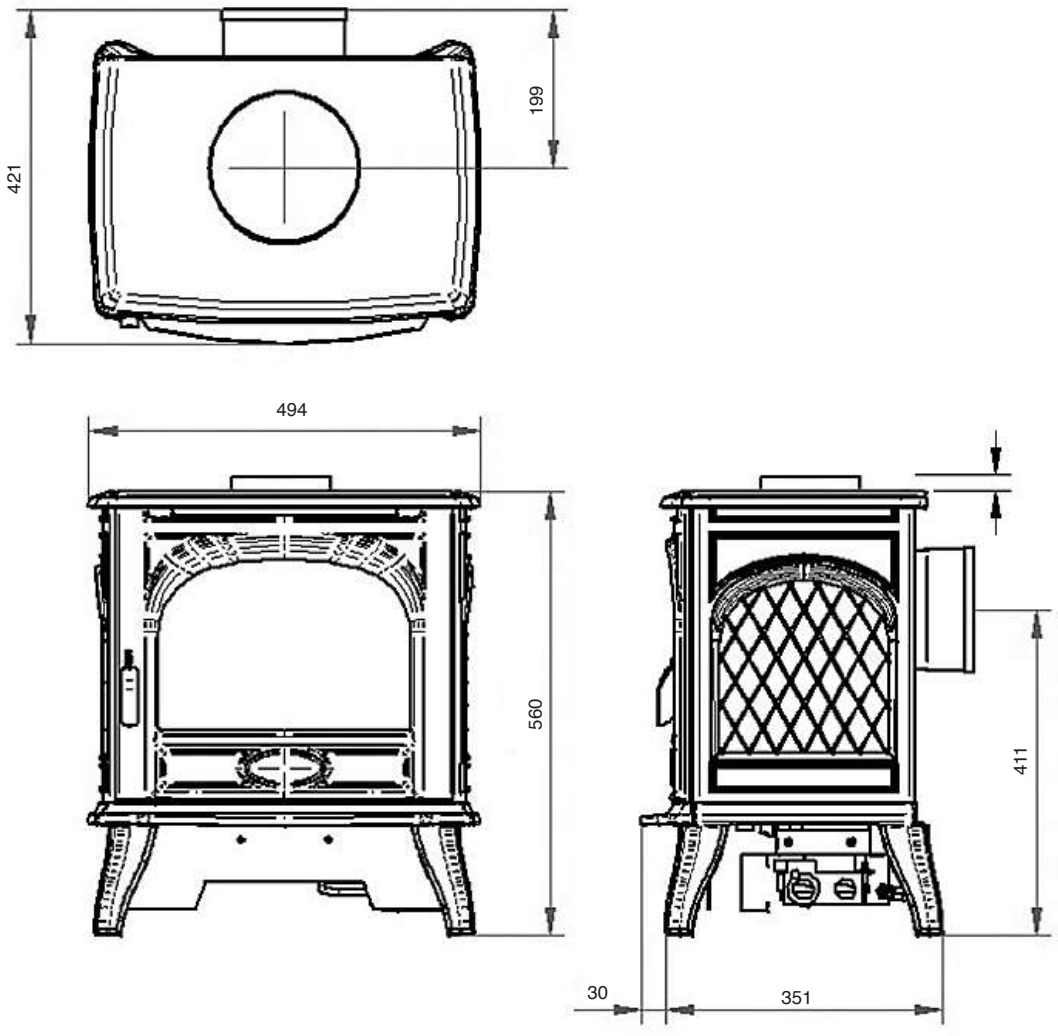
Installation Instructions

Technical Specification

This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Dovre for further information.

PACKING CHECKLIST

Qty Description	Fixing Kit containing:-
1 x Appliance 1 x Flue Infill Plate 1 x Log Set 1 x Packet of Embaglow	1 x Instruction Manual 1 x 40mm Ø Flue Restrictor 1 x 52mm Ø Flue Restrictor 1 x 60mm Ø Flue Restrictor



Site Requirements

1. Flue and Chimney Requirements

Note: This appliance must only be installed with the flue supplied.

You must adhere to the following:

1.1 The flue must be sited in accordance with BS5440: Part 1 (latest edition), see Diagram 1.

1.2 Fit a guard to protect people from any terminal less than 2 metres above any access such as level ground, a balcony or above a flat roof.

1.3 All vertical and horizontal flues must be securely fixed and fire precautions followed in accordance with local and national codes of practice.

1.4 A restrictor may be required. Refer to Technical Specifications on page 9.

2. Timber Framed Buildings

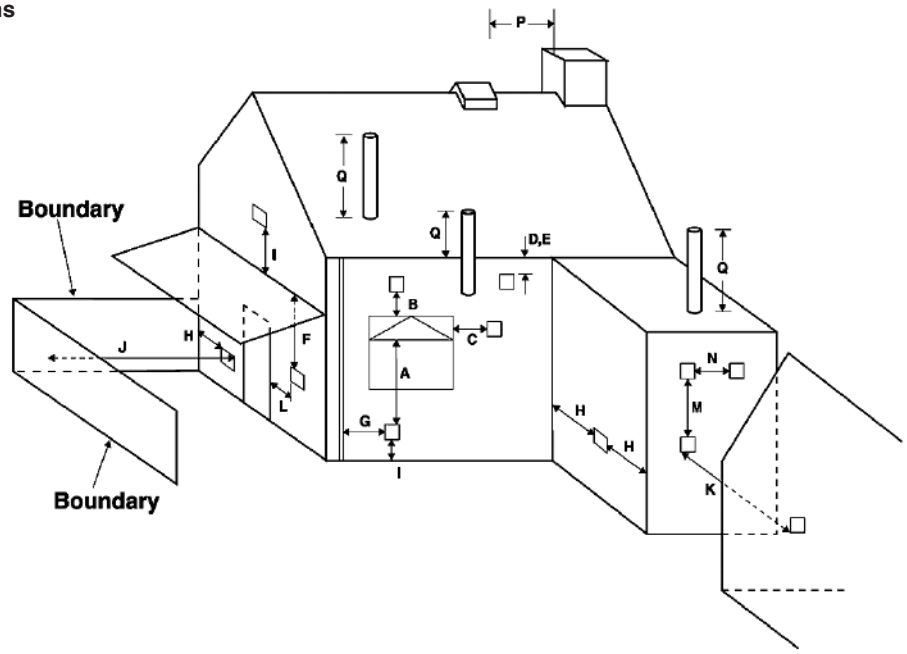
2.1 To prevent a fire hazard, you must provide additional clearance when the appliance passes through a wall containing any combustible materials.

2.2 A steel sleeve must be inserted into the hole through which the flue passes to give an air gap of 25mm between the sleeve and any outside surface of the flue.

2.3 Contact your local buildings authority for further guidance on installing gas fires in timber framed buildings.

Note: Make sure you provide adequate clearance at the sides and back of the appliance for servicing access.

1 **UK Dimensions**



Dimension	Terminal Position	Minimum Distance
A	Directly below an opening	600mm
B	Above an opening	300mm
C	Horizontally next to an opening	400mm
D	Below gutters, soil pipes or drain pipe	300mm
E	Below eaves	300mm
F	Below balcony or car port roof	600mm
G	From a vertical drain pipe or soil pipe	300mm
H	From an internal or external corner or to a boundary alongside the terminal	600mm
I	Above ground, roof or balcony level	300mm

Dimension	Terminal Position	Minimum Distance
J	From a surface or boundary facing the terminal	600mm
K	From a terminal facing the terminal	600mm
L	From an opening in the car port (e.g. door, window) into the dwelling	1200mm
M	Vertically from a terminal on the same wall	1200mm
N	Horizontally from a terminal on the same wall	300mm
P	From a structure on the roof	600mm
Q	Above the highest point of intersection with the roof	300mm

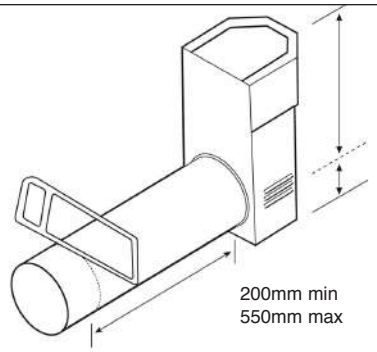
* In addition, the terminal should not be nearer than 300mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.

Installation Instructions

Site Requirements

3. Rear Flue

2



Terminal dimensions:
395 x 200 x 200 mm (H x W x D)
Guard supplied
Cut to length as required on site, see Diagram 2.

4. Top Exit Flues

There are two types of flue terminal: horizontal, see Section 4A and vertical, see Section 4D.

4A. For horizontal terminal installations

4.1 Decide on the terminal position.

4.2 Measure the height from the top of the appliance to the centre of the required hole. For minimum and maximum dimensions, see Diagram 3.

4.3 To fit the flue you must have access to the top or the side of the appliance to connect the flue.

4.4 Assemble the vertical sections making sure the top plate and flue collar are fitted before the fluepipe.

4.5 Add the 90° elbow.

4.6 Add the horizontal section and terminal. **Only the horizontal part can be reduced in size.**

4.7 A masonry installation requires the addition of a suitable lintel to support the opening, see Installation Instructions, Technical Specification for details of the flue length.

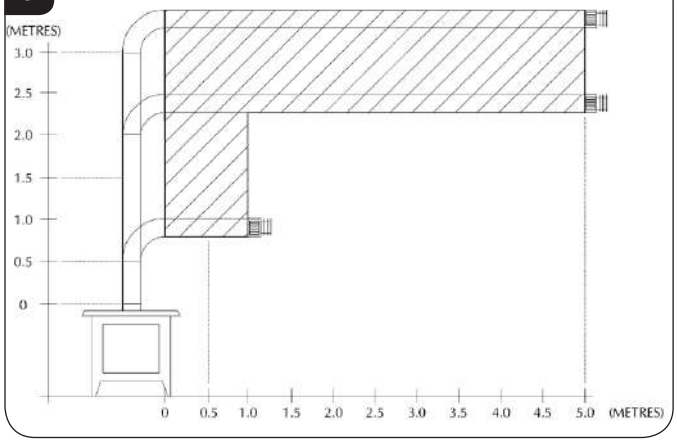
4B.Top Flue Up and Out Kit

4.8 This flue rises vertically from the top of the appliance, then continues horizontally outward, see Diagram 3.

The basic kit comprises:

1 x 500mm vertical length
1 x 500mm terminal length
1 x 90 degree elbow
1 x wall plate
1 x 75mm restrictor
1 x fixing screw

3



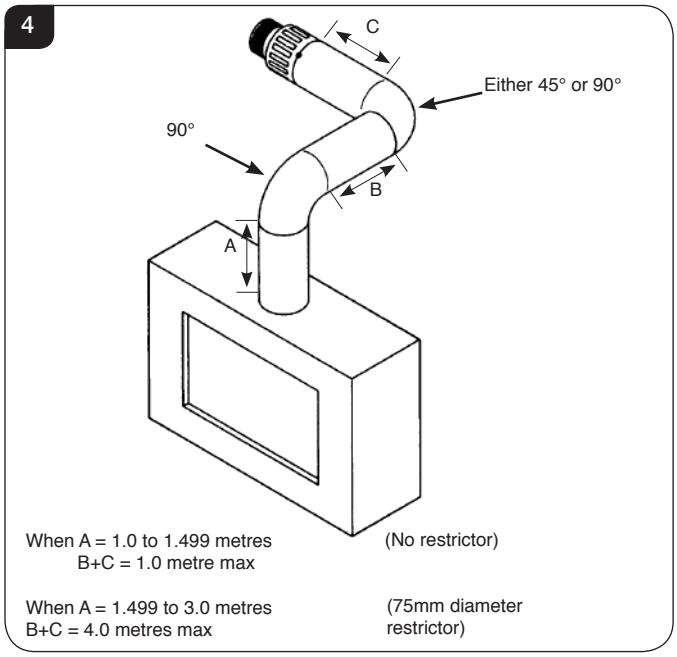
4.9 This kit provides the minimum materials. Extra lengths can be added to the vertical and horizontal sections, see Section 5.

4.10 Refer to Installation Instructions, Technical Specification to identify when to use a restrictor.

4C. Top Flue Up and Out with Additional Bend

4.11 An additional bend can be used on the horizontal section (45° or 90°) but the overall horizontal flue is reduced, see Diagram 4.

4



Site Requirements

4D Top Flue Vertical Kit (999-539/999-539AN)

4.12 This flue is vertical from the top of the appliance, see Diagram 6. A minimum vertical rise of 3m (9'10") to a maximum of 10m (32'10").

The basic kit comprises:

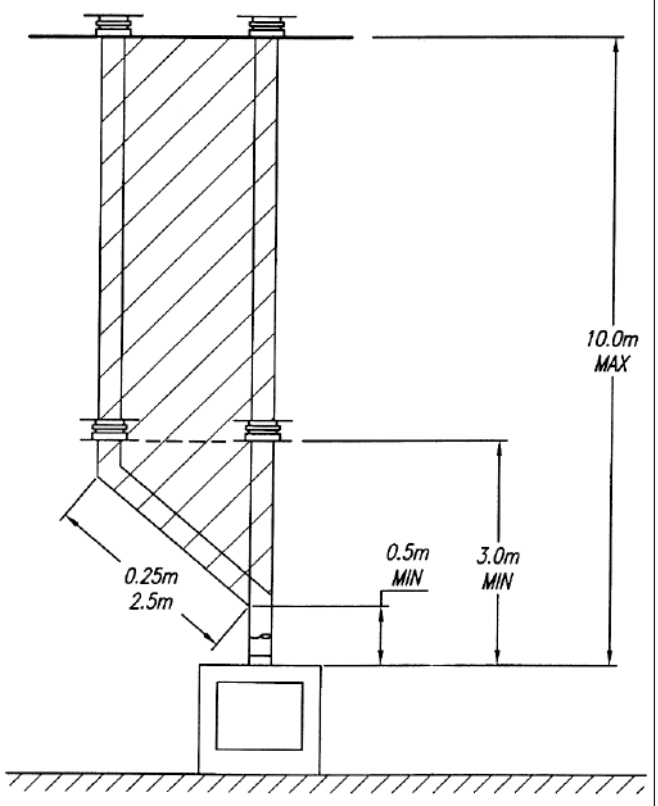
2 x 1m lengths
1 x 1m terminal lengths
1 x 52mm restrictor (sliding plate assembly)
1 x 47mm restrictor (sliding plate assembly)

ALL MODELS

4.13 Extra lengths can be added, see Diagram 6.

4.14 Refer to Installation Instructions, Technical Specification to identify when to use a restrictor.

5



4E Top Flue Vertical Offset Kit (8530/8530AN)

4.15 Used with kit 999-539. A minimum rise of 500mm (19½) is required to the first bend, see Diagram 5.

5. Optional Extra Flue Lengths and Bends

Nominal Length	Actual Length	Stainless Finish	Anthracite Finish
200mm	140mm	8527	8527AN
500mm	440mm	8528	8528AN
1000mm	940mm	8529	8529AN
45° Bend	N/A	8507	8507AN
90° Bend	N/A	8508	8508AN
Optional Flue Collar		8548MB	

6. Ventilation

The appliance requires no additional ventilation.

7. Gas Supply

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

7.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

7.2 Ensure the gas supply delivers the required amount of gas and is in accordance with the rules in force.

7.3 Soft copper tubing and soft soldered joints must not be closer than 50mm to the base of the burner unit.

7.4 A means of isolating the gas supply to the appliance must be provided independent of any appliance control.

7.5 All supply gas pipes must be purged of any debris that may have entered prior to connection to the appliance.

7.6 The gas supply must be installed in a way that does not restrict the removal of the appliance for servicing and inspection.

Installation Instructions

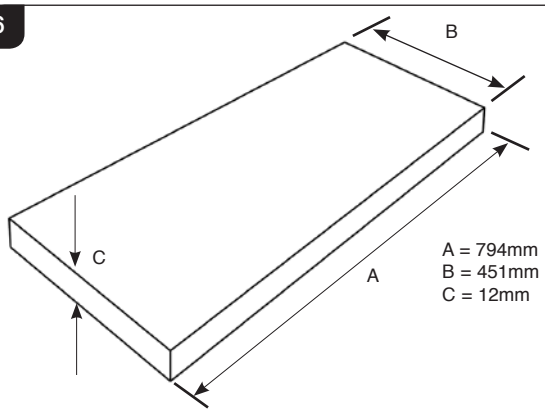
Site Requirements

8. Appliance Location

HEARTH INSTALLATION

8.1 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 6.

6



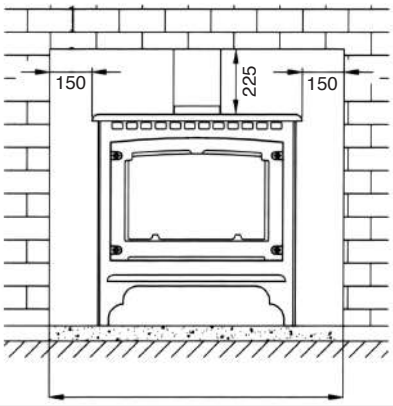
MINIMUM CLEARANCE

8.2 The appliance is not suitable for installation against a combustible wall. All combustible materials must be removed from behind the appliance.

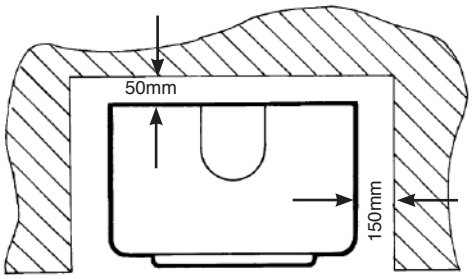
8.3 Ensure that all minimum clearances to combustible materials are complied with**,** see Diagrams 7 and 8.

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.**

7



8



8.4 **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**.

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.

i **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

1.6 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 retailer.
There is no requirement for this upgrade to be carried out by an approved GasSafe 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.

Standard Remote Control
(PART NUMBER 8455)

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 **REFER TO SITE REQUIREMENTS FOR ALL FLUE OPTIONS.**

This appliance is suitable for TOP or REAR flue exit.

3A. Rear Exit - Horizontal flue

3.2 **Wall thickness:** **MIN = 200mm**
MAX = 550mm

3.3 Unpack the adjustable flue assembly and terminal guard.

3.4 Do not lose the fixings.

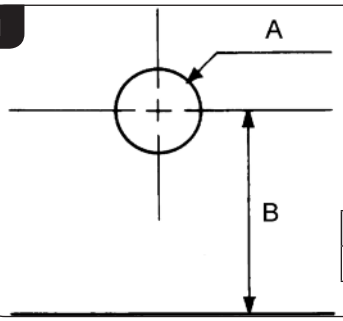
3.5 Consider the final appliance position ensuring you comply with clearances required for the external flue, see Site Requirements, Section 1.

3.6 Mark the vertical centre-line of the appliance on the wall, see Diagram 1, A..

3.7 Mark the height from the top of the hearth to the centre of the flue, see Diagram 1, B.

TAKE CARE TO MARK OUT THE FLUE CORRECTLY. IT IS DIFFICULT TO MOVE AFTER INSTALLATION.

1



	A	B
Dovre 280	152	411

Flue Aperture

3.8 Create a 152mm (6") diameter hole for the flue using either:

a) a core drill, or
b) a hammer and chisel

3.9 Make good at both ends of the hole.

Flue Length

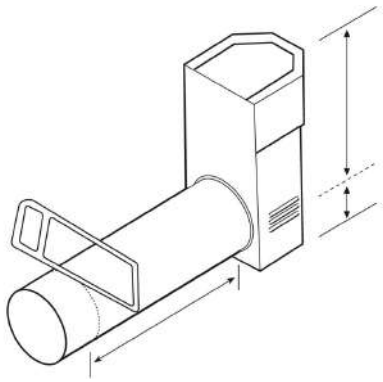
3.10 Measure the total wall thickness and add 65mm.

3.11 The total flue length gives a minimum clearance of 50mm between the rear of the appliance and the wall.

3.12 Insert the square cardboard sleeve into the flue to support the inner tube.

3.13 Cut through the flue and sleeve, see Diagram 2.

2



3.14 **REMOVE THE CARDBOARD REMNANTS FROM THE FLUE.**

3.15 File the cut edges smooth.

Terminal

On the outside wall:

3.16 Position the flue assembly into the hole. The terminal should be flat against the wall.

3.17 Make sure the terminal is vertical, see Diagram 8.

3.18 Mark the four fixing holes.

3.19 Remove the terminal to drill the holes.

3.20 Insert wall plugs supplied.

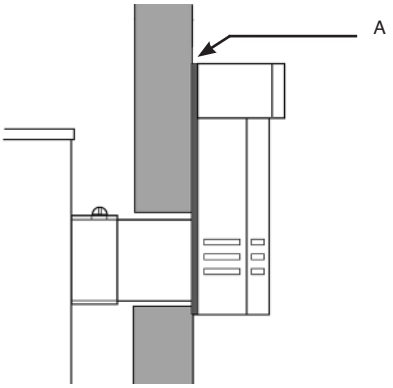
DO NOT FIX THE FLUE AT THIS STAGE.

Flue and Appliance Fixings

3.21 Position the appliance observing appropriate clearances.

3.22 Apply a bead of suitable weatherproof sealant (silicone or similar) to perimeter of back face of terminal, see Diagram 3.

3



3.23 Feed the flue through the wall, making sure it runs smoothly.

On the inside wall:

3.24 Engage the flue in the inner and outer spigots.

3.25 Make sure rubber seals on the spigots are not damaged

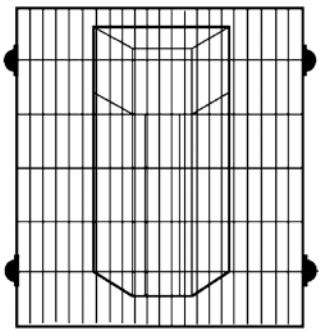
From outside:

3.26 Insert 4 screws in the flanges of the flue terminal.

3.27 Check sealant has formed a water-tight joint to the wall.

3.28 Any terminal less than 2m above any access (level ground, balcony or flat roof with access) must be fitted with the guard supplied, see Diagram 4.

4



3B. Top Exit - Up & Out

3.29 There are two types of top exit flue terminals: vertical and horizontal, (see Site Requirements, Diagram 3, for minimum and maximum flue lengths).

Decorative Cover

3.30 There is an optional decorative collar, Part No: 8548, to cover the gap between the top plate and flue.

THIS MUST BE POSITIONED BEFORE INSTALLING THE FLUE. WHEN INSTALLING A TOP EXIT FLUE, REFER TO INSTALLATION INSTRUCTIONS, TECHNICAL SPECIFICATION (PAGE 9) FOR THE APPROPRIATE SIZE RESTRICTOR.

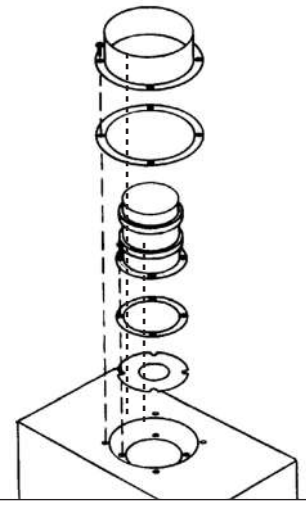
Restrictors for flues with both Vertical and Horizontal Sections

Vertical Flue Height	Horizontal Length	Restrictor Size
500mm - 999mm	250mm - 1000mm	No restrictor
1000mm - 1999mm	250mm - 1000mm	Ø 60mm
2000mm - 3000mm	250mm - 5000mm	Ø 52mm

Reversing Spigots

3.31 The appliance is factory set for rear exit. For top exit reverse the spigots and blanking plates, see Diagram 5.

5



3.32 **REMEMBER TO FIT THE OPTIONAL DECORATIVE COLLAR IF REQUIRED.**

Wall Plate

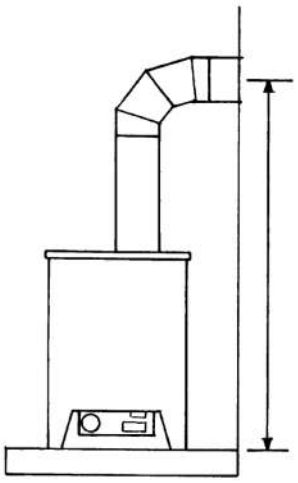
3.33 A wall plate is supplied to secure the flue to the inside wall. Bend the securing tab to 90° and slot the plate over the flue before bringing the flue through the wall.

3.34 Mark the fixing holes using the wall plate as a template The tab can be above or beneath the flue, see Diagram 10.

Flue Aperture

3.35 Mark the height from the top of the hearth to the centre of the horizontal section, see Diagram 6.

6



3.36 **TAKE CARE TO MARK OUT THE FLUE CORRECTLY. IT IS DIFFICULT TO MOVE AFTER INSTALLATION.**

3.37 Create a 152mm (6") diameter hole for the flue using either:
a) a core drill, or
b) a hammer and chisel

3.38 Make good at both ends of the hole.

Flue Length

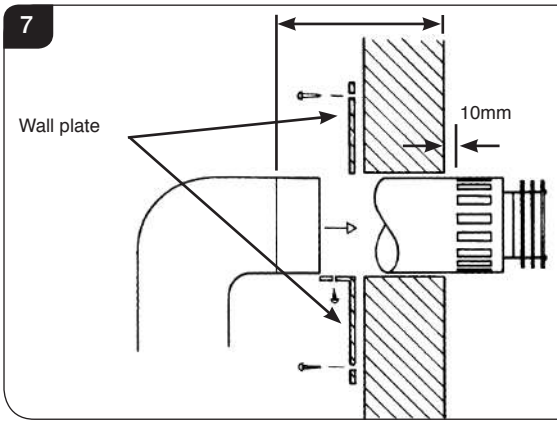
3.39 The final length of the flue pipe includes the terminal. The terminal is the only section that can be shortened.

DO NOT SHORTEN ANY OTHER SECTION OF FLUE PIPE.

3.40 Measure from the outside of the wall to the stop on the 90° elbow.

3.41 Fit horizontal flue section between the elbow and the terminal at this stage, if required, see Diagram 7.

7

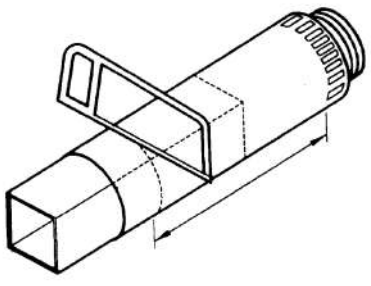


3.42 Mark the correct length all the way around the flue terminal section, see Diagram 8.

3.43 Insert the square cardboard sleeve into the flue to support the inner tube.

3.44 Cut through the flue and sleeve, see Diagram 8.

8



3.45 **REMOVE THE CARDBOARD REMNANTS FROM THE FLUE.**

3.46 File the cut edge smooth.

Flue and Appliance Fixings

3.47 Pull appliance and flue assembly away from the hearth.

3.48 Drill four fixing holes for the wall plate and insert wall plugs supplied.

3.49 Put the horizontal flue onto the elbow and reposition the appliance.

3.50 Check the flue runs smoothly through the wall.

3.51 Fix the wall plate to the wall using the four black screws provided.

3.52 Drill through the fixing tab of the wall plate using a 3.5mm drill.

3.53 Secure with the screw provided.

3.54 Make good and weatherproof around the outside of the flue.

3C. Top Exit – Vertical Flue

3.55 Where a vertical only flue system has been purchased, refer to Installation & Instructions, Site Requirements, Section 4D.

3.56 Pay careful attention to the following:

Terminal positions
Flue supports
Weatherproofing
Fire precautions

3.57 Local and national codes of practice must be followed for all the above.

TOP EXIT – VERTICAL ONLY, INCLUDING OFFSET

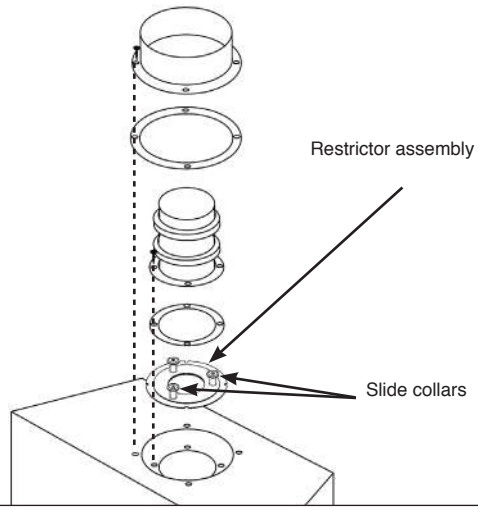
3.58 **A restrictor must be fitted with vertical flues. See chart below for restrictor sizes.**

PLEASE NOTE: When installing the appliance in conjunction with a vertical termination kit, there is a unique kit for use with this appliance (Part No. 999-539). This kit differs in that it has restrictors with sliding plates. Please ensure you have the correct kit before proceeding with the installation.

Vertical Flue Height	Restrictor Size
3000 - 4999mm	Ø 52mm (Sliding)
5000mm - 10,000mm	Ø 40mm (Sliding)

3.59 It is important that the sliding restrictor assembly is used. The restrictor assembly must be fitted with the slide collars uppermost and the top restrictor plate must be checked to ensure it moves freely before the flue is fitted.

9

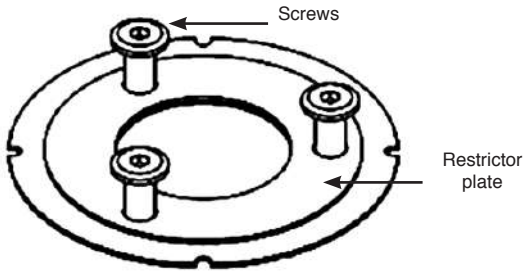


3.60 **Flue Lengths over 5m (Top Exit Only)**

If the flue length extends 5m above the appliance a 40mm Ø restrictor must be fitted. This restrictor can be found in the appliance packing kit supplied.

3.61 To fit the restrictor undo the bolts on the slide collars on the restrictor assembly, see Diagram 10.

10



3.62 Remove the restrictor plate that is current in place and fit the 40mm Ø one from the kit.
Secure with the screws and ensure that the plate moves freely up and down on the slide collars.

3.63 Fit the restrictor assembly as previous described.

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.

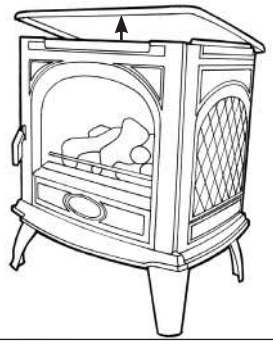
5. Removing the Door

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

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

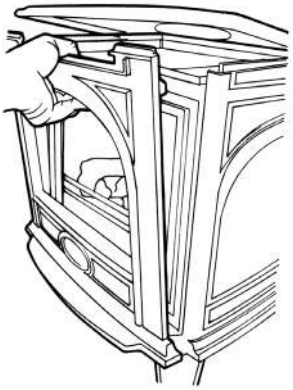
5.2 For top flue exit lift and support the top to give clearance, see Diagram 11.

11



5.3 Lift the front upwards until it is clear of the slots and pull away from the appliance, see Diagram 12.

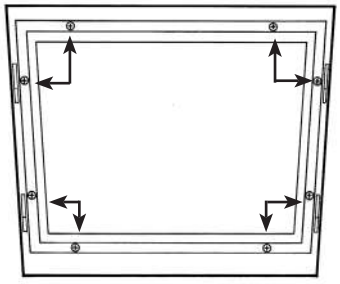
12



5.4 Remove the glass frame by undoing the fixing screws and lifting clear, see Diagram 13. **Take care to support the glass window panel when removing the screws.**

5.5 Place carefully to one side.

13



6. Arrangement of Fuel Bed

Advice on handling and disposal of fire ceramics

The fuel effect 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

7.1 Ensure the burner tray is clean and free from any debris, see Diagram 14.

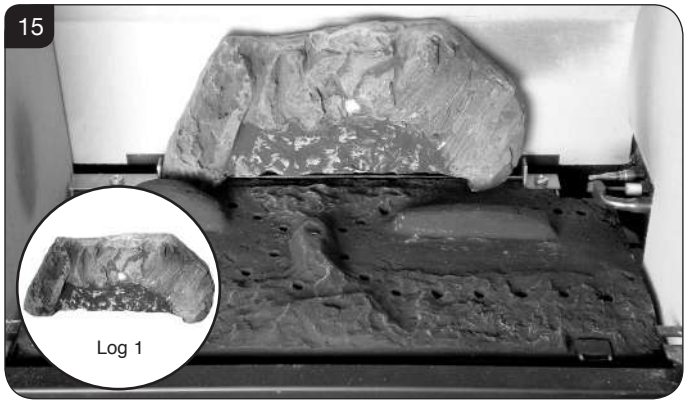
14

The three logs that make up the fuel bed are visually distinct and fit into specific parts on the burner tray.

Installation Instructions

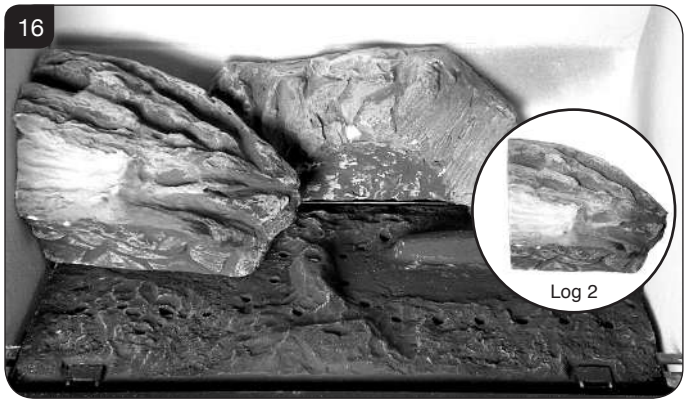
7.2 Place the rear log into position between the rear brackets and pushed up against the back panel, see Diagram 15.

15



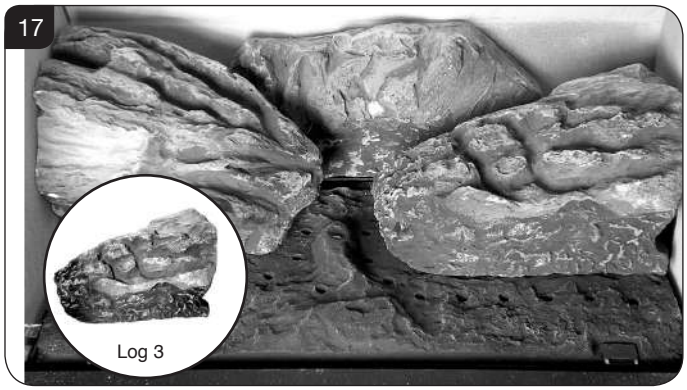
7.3 Place the second log into the left hand groove on the burner tray, see Diagram 16.
The log should butt up against the raised molding and the left hand side liner.

16



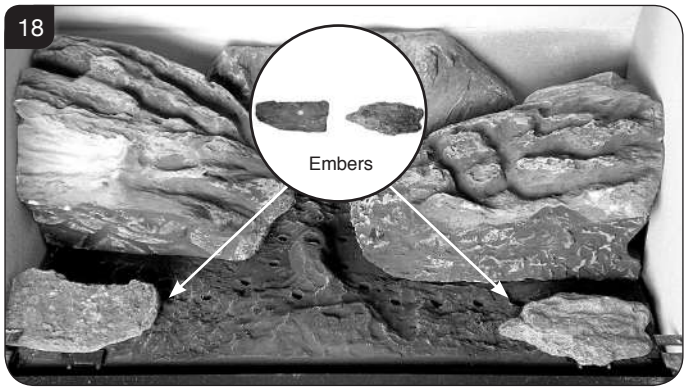
7.4 Place the third log into the groove on the right hand side, see Diagram 17 .
The log should butt up against the raised molding and the right hand side liner.

17



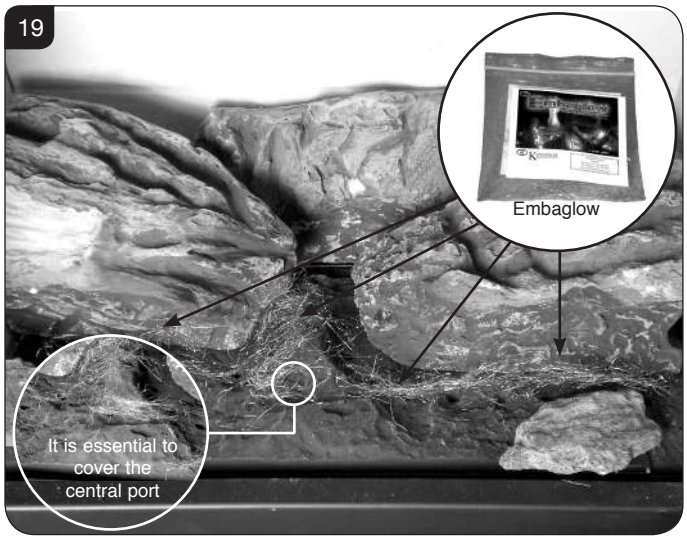
7.5 Once the logs are in there are two embers which can be loosely placed at the front of the fuel bed and cover the tabs securing the burner tray, see Diagram 18.

18



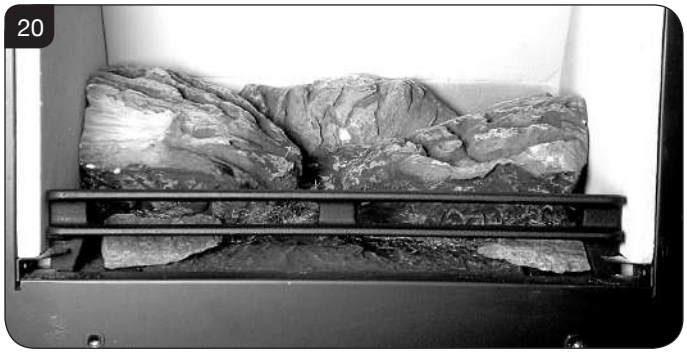
7.6 Use some of the Embaglow provided and cover the ports in the burner tray with a liberal amount of fibres, see Diagram 19.
It is essential to cover the port in the middle of the burner tray in order to get the most visually appealing flame picture.
NOTE: It is not necessary to use all of the Embaglow.

19



7.7 Fix log bar into position, see Diagram 20.

20

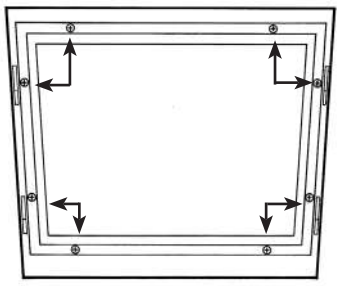


8. Completion of Assembly

8.1 Ensure that the rope seal on the back of the glass frame is intact and replace the screws working from the top down. Tighten the screws evenly **DO NOT OVER TIGHTEN**, see Diagram 21.

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

21

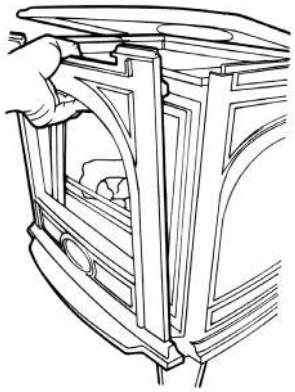


8.2 Replace ALL of the securing screws ensuring that a screw is present in all fixing slots.

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

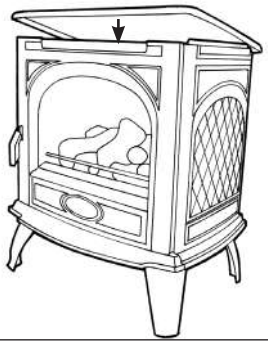
8.3 With the top still supported or removed refit front by locating in grooves and lowering into place, see Diagram 22.

22



8.4 Now replace top, see Diagram 23.

23



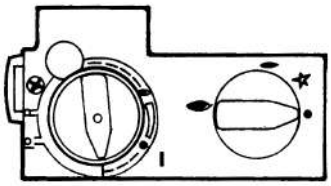
9. Operating the Appliance

9.1 The control valve is at the foot on the right-hand side of the appliance. It has two controls, see Diagram 1:

1. The right-hand knob controls the pilot ignition

2. The left-hand knob controls the main burner

24



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.

Commissioning

1. Commissioning

1.1 Complete the Commissioning Checklist at the front of this manual covering:

— Flue checks

— Gas checks

— Log layout - flame picture

1.2 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.

1.3 Guide the user through the User Instructions paying particular attention to:

a) Regular servicing (Section 10 of the User Instructions).

b) Ventilation (Section 11 of the User Instructions) - point out the ventilation positions where applicable.

c) Hot surfaces (Section 13 of the User 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 GasSafe 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:**

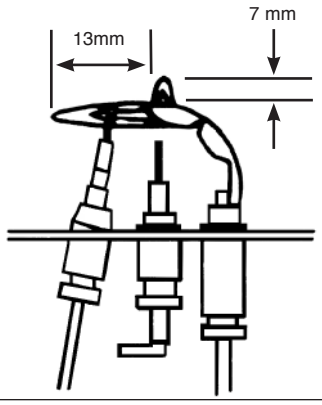
—Clean the burner using a vacuum cleaner with a soft brush attachment. Ensure all debris is removed from the burner ports.
—Clean away lint or fluff from the pilot.
—Clean away lint or fluff from under the burner.
—Check the spark gap on the pilot is correct, Diagram 1.
—Ensure that the glass frame is secured correctly and that all retaining screws are in place.

1.3 Correct any faults found during the initial test.

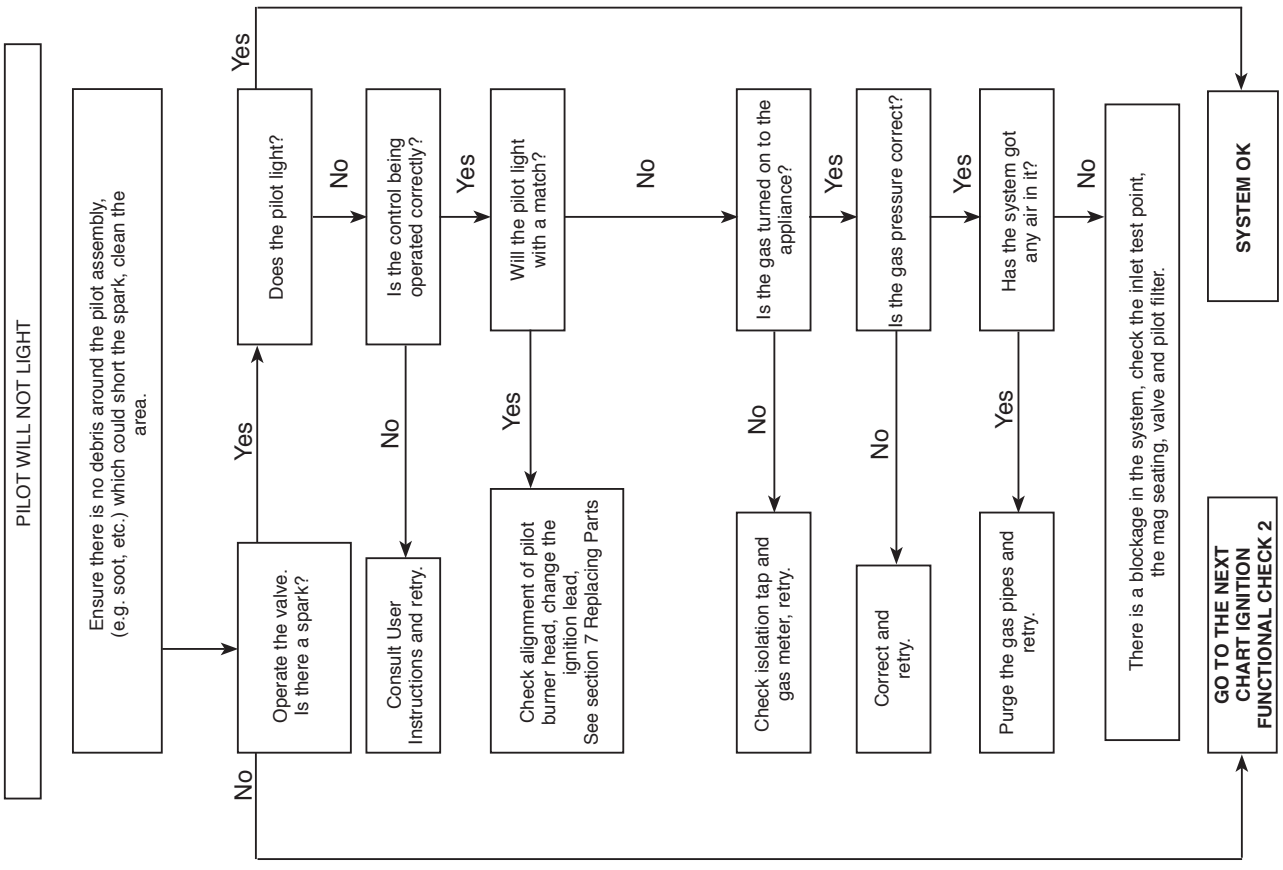
1.4 Re-commission the appliance in accordance with Commissioning Procedures.

1.5 Advise the customer of any remedial work undertaken.

1

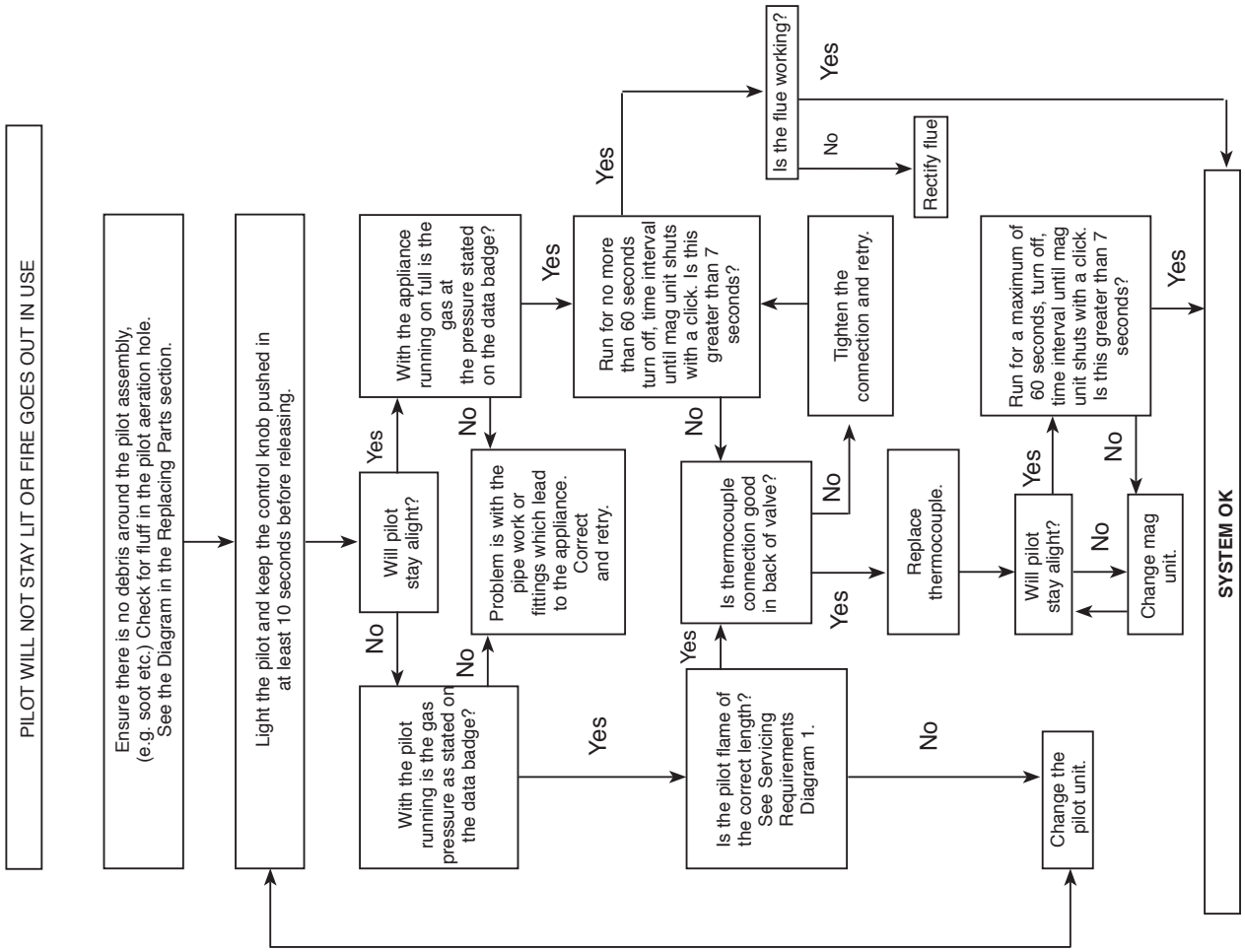


IGNITION FUNCTIONAL CHECK 1

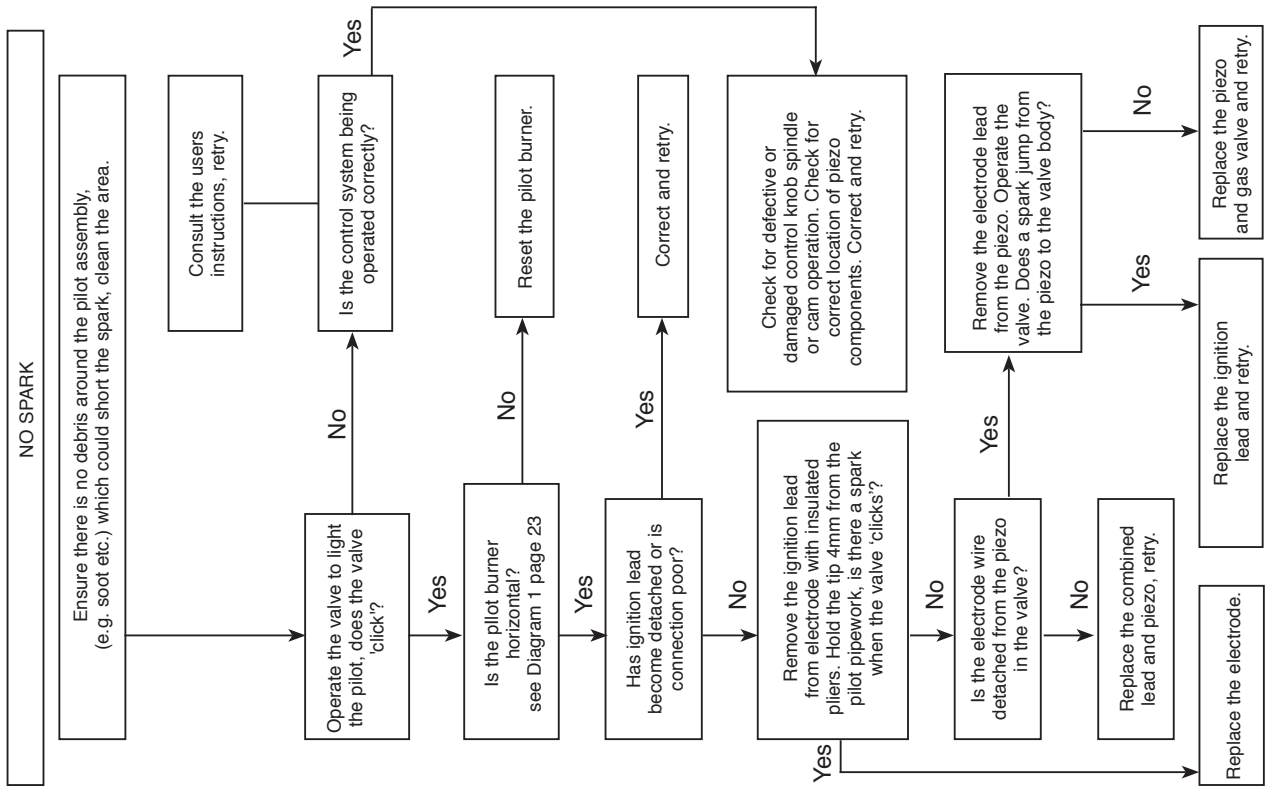


Fault Finding Charts

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.

1.2 Ensure the appliance and surrounds are cool before servicing.

IT IS ESSENTIAL THAT THE GAS SUPPLY TO THE APPLIANCE IS TURNED OFF AT THE ISOLATION DEVICE BEFORE PROCEEDING FURTHER.

1.3 **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.

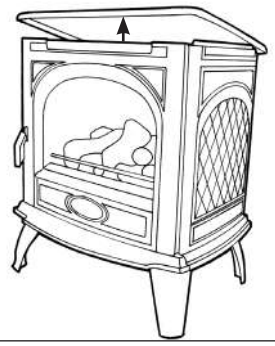
2. Removing the Door

IMPORTANT: THE OUTER PANELLING OF THE APPLIANCE 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.

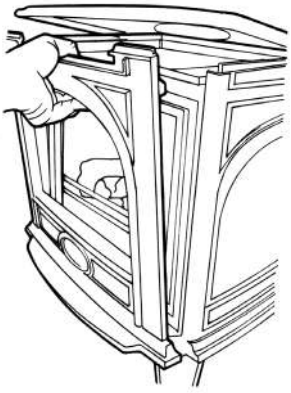
2.2 For top flue exit lift and support the top to give clearance, see Diagram 1.

1



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

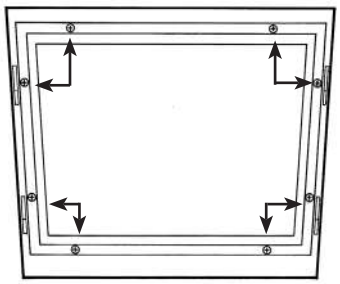
2



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



3.2 Place carefully to one side.

3.3 Lift out the log guard and carefully remove the ceramic fuel bed components

3.4 Refit in reverse order.

3.5 Ensure that the rope seal on the back of the glass frame is intact 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. Baffle & Ceramic Liners

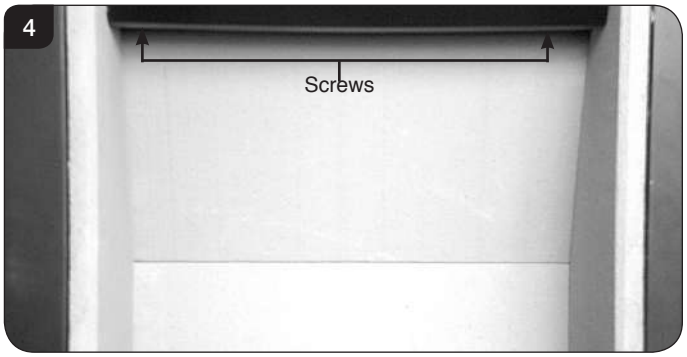
4.1 To access the burner tray and interior workings of the appliance it may be necessary to remove the baffle and the liners.

BAFFLE

4.2 The baffle must be removed before the liners can be taken out of the appliance.

To do this undo the two screws securing it to the roof of the firebox, see Diagram 4.

4



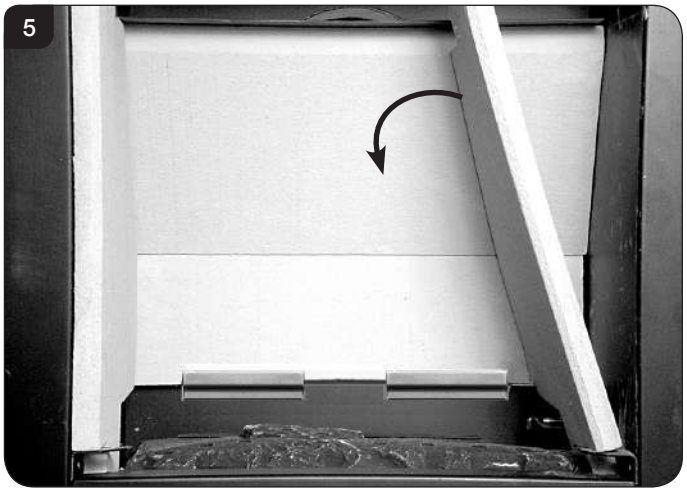
4.3 The baffle can now be removed through the front of the appliance.

CERAMIC LINERS

Once the baffle has been placed carefully to one side the liners can then been taken out in the following order.

4.4 To remove the Left Hand liner first tilt inwards towards the centre of the firebox before lifting up and pulling out through the front of the firebox, see Diagram 5.

5



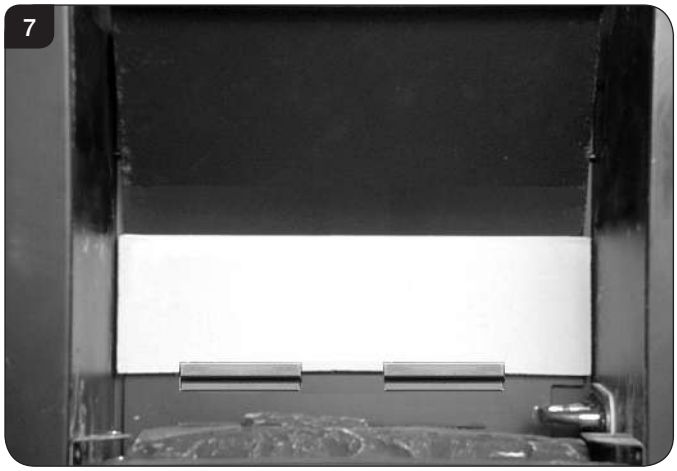
4.5 To remove the Right Hand liner first tilt inwards towards the centre of the firebox before lifting up and pulling out through the front of the firebox, see Diagram 5.

The two side liners also support the raised rear liner. Taking out the side liners will allow the rear liner to drop down so ensure it is supported and removed carefully, see Diagram 6.

6

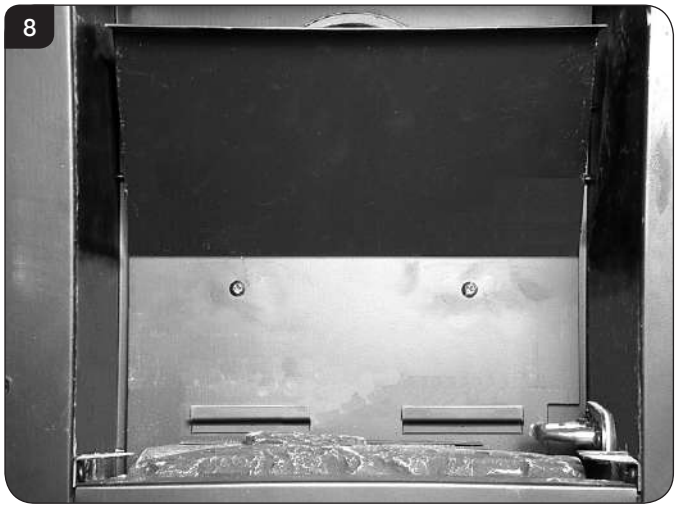
4.6 The lower rear liner does not need to be removed from the bracket in order to access the burner tray for maintenance, but can be lifted off in order to clean or replace, see Diagram 7.

7



4.7 With the liners and baffle removed the firebox is clear for cleaning and maintenance,, see Diagram 8.

8



4.8 To replace the liners liner and baffle reverse these procedures.

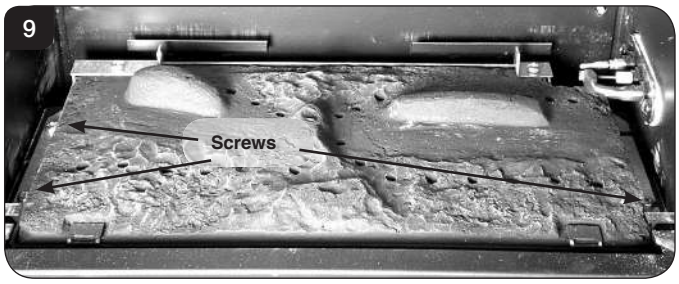
5. Main Burner

5.1 To replace the main burner:

Remove the baffle and enamel liners, see Section 4.

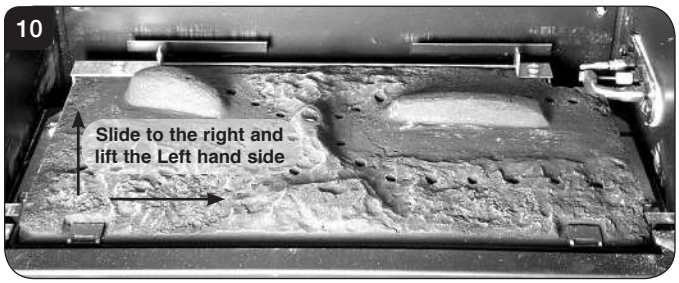
5.2 Remove the three securing screws from the edges of the burner, see Diagram 9

9



5.3 Slide the burner fully to the right whilst lifting the Left Hand side clear of the bracket, see Diagram 10.

10



5.4 Slide the burner back to the left and out of its location.
IMPORTANT: Take care when removing the burner not to damage the ceramic pad with the pilot unit attached.

Refit in reverse order

6. Pilot Unit

6.1 The pilot assembly consists of five components, which can be individually replaced:

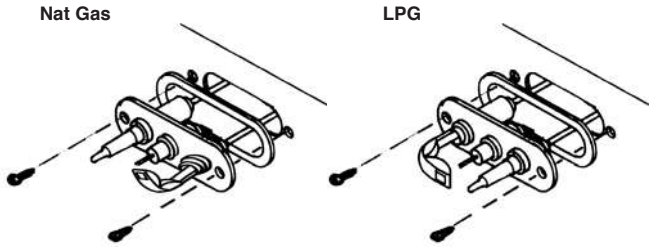
6a) Pilot burner bracket
6b) Pilot injector
6c) Electrode
6d) Thermocouple
6e)Gasket

6.2 Turn the gas supply off at the isolation device, remove the door and place to one side, carefully remove the ceramic fuel bed components.

6a Pilot Burner Bracket

6.3 Remove the two fixing screws from the pilot bracket, see Diagram 11. 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.

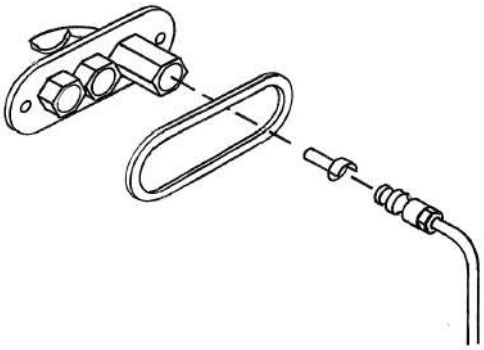
11



6b Pilot Injector

6.4 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 12.

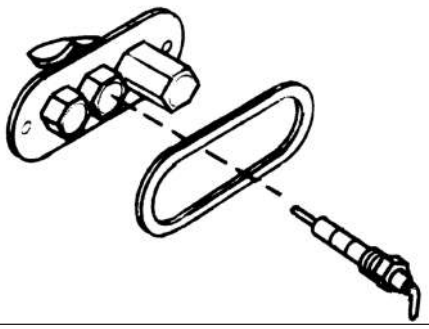
12



6c Electrode

6.5 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 13.

13

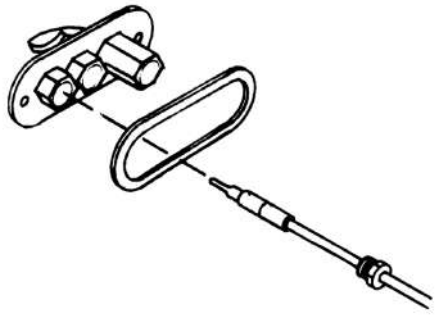


Servicing Instructions - Replacing Parts

6d Thermocouple

6.6 Undo the retaining nut and withdraw the thermocouple. Undo the thermocouple from the back of the gas valve, see Diagram 14. Reassemble in reverse order. Do not overtighten.

14



6e Gasket

6.7 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.**

7. Ignition Lead

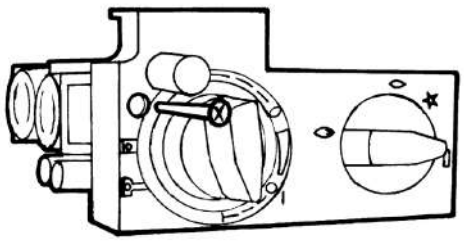
7.1 Follow the Pilot Unit instruction to access the back of the pilot assembly.

7.2 Disconnect the ignition lead from the electrode.

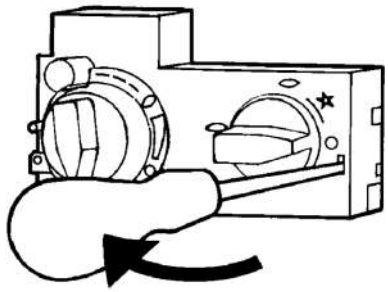
7.3 Remove the front cover from the control valve by removing the retaining screw, see Diagram 15 and gently levering clear with flat bladed screwdriver, see Diagram 16.

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

15



16



7.4 Disconnect the other end of the ignition lead from the valve body noting the route of the ignition lead.

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

Replace the valve cover and the pilot assembly.

7.6 Check operation of the new ignition lead.

8. Piezo

8.1 The piezo assembly used on this appliance is not serviceable and is not likely to fail.

8.2 If a new piezo is required it will be necessary to change the valve, see Section 9.

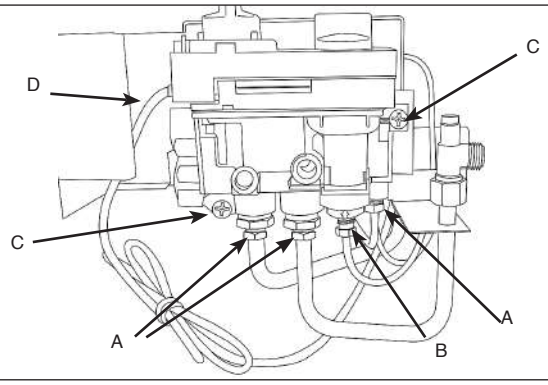
9. Gas Valve

9.1 To remove the valve turn off the gas supply at the isolation device.

9.2 Disconnect the 2 x 8mm and 1 x 4mm gas pipe fittings at the back of the gas valve, see Diagram 17 (A).

9.3 Disconnect the thermocouple, see Diagram 17 (B).

17



9.4 Disconnect the ignition lead from the gas valve, Diagram 17 (D)

9.5 Remove the cover, see Section 7.3.

9.6 Undo the two bolts securing the gas valve to the appliance and remove the valve, see Diagram 17 (C).

9.7 Replace in reverse order.

9.8 Check all joints for gas leaks and check operation of the thermocouple and ignition lead.

10. Magnetic Safety Valve

10.1 Turn the gas supply off at the isolation device.

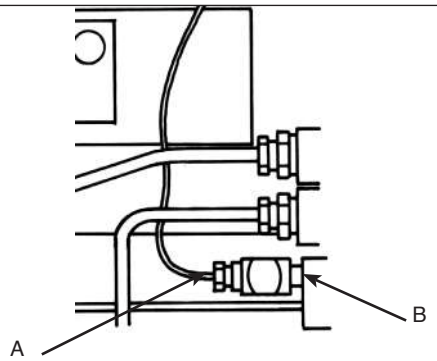
10.2 Undo the thermocouple connection from the back of the gas valve, see Diagram 18 (A).

10.3 Undo the magnetic valve-retaining nut from the back of the control valve, see Diagram 18 (B).

10.4 Gently tap out the magnetic valve and replace with a new unit.

10.5 Replace the retaining nut and tighten.

18



10.6 Reassemble the interrupter block and leads and secure the thermocouple connection in the rear of the gas control. (Do not overtighten).

10.7 Turn the gas supply on and check the entire pipework and valve joints for any leaks.

11. Main Injector

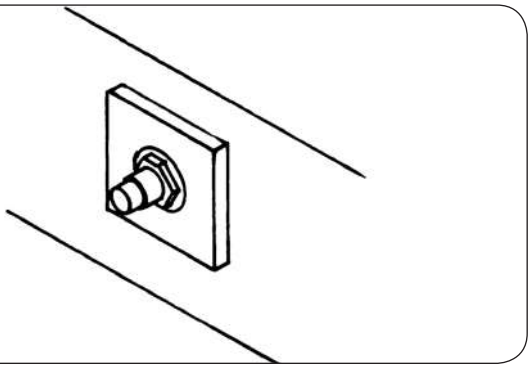
11.1 To remove the main injector turn off the gas supply at the isolation device.

11.2 Remove the main burner, see Section 5.

11.3 Undo the compression nuts from the feed pipe and the gas valve under the appliance.

11.4 Working from inside the firebox remove the lock nut from the injector, see Diagram 19.

19



11.5 Extract the injector with the feed pipe from beneath the appliance.

11.6 Holding the injector with a spanner:

11.7 Undo the feed pipe. **Note the orientation of the Injector.**

11.8 Re-assemble in reverse order.

11.9 Turn on the gas supply and check for leaks.

12. Primary Aeration Plate

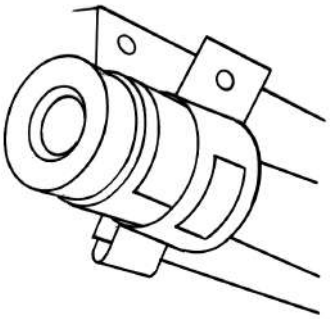
NOTE: Not all models have aeration plates, see Technical Specification.

12.1 To replace the primary aeration plate turn off the gas supply at the isolation device.

12.2 Remove the burner, see Installation Instructions, Replacing Parts, Section 5.

12.3 Detach the aeration plate from the venturi, see Diagram 20.

20



12.4 Reassemble in reverse order.
NOTE: Even if no aeration plate is required, the small screw must be replaced.

13. Changing Between Gas Types

In order to change between gas types, it will be necessary to replace the appliance engine. This should be done by factory conversion only.

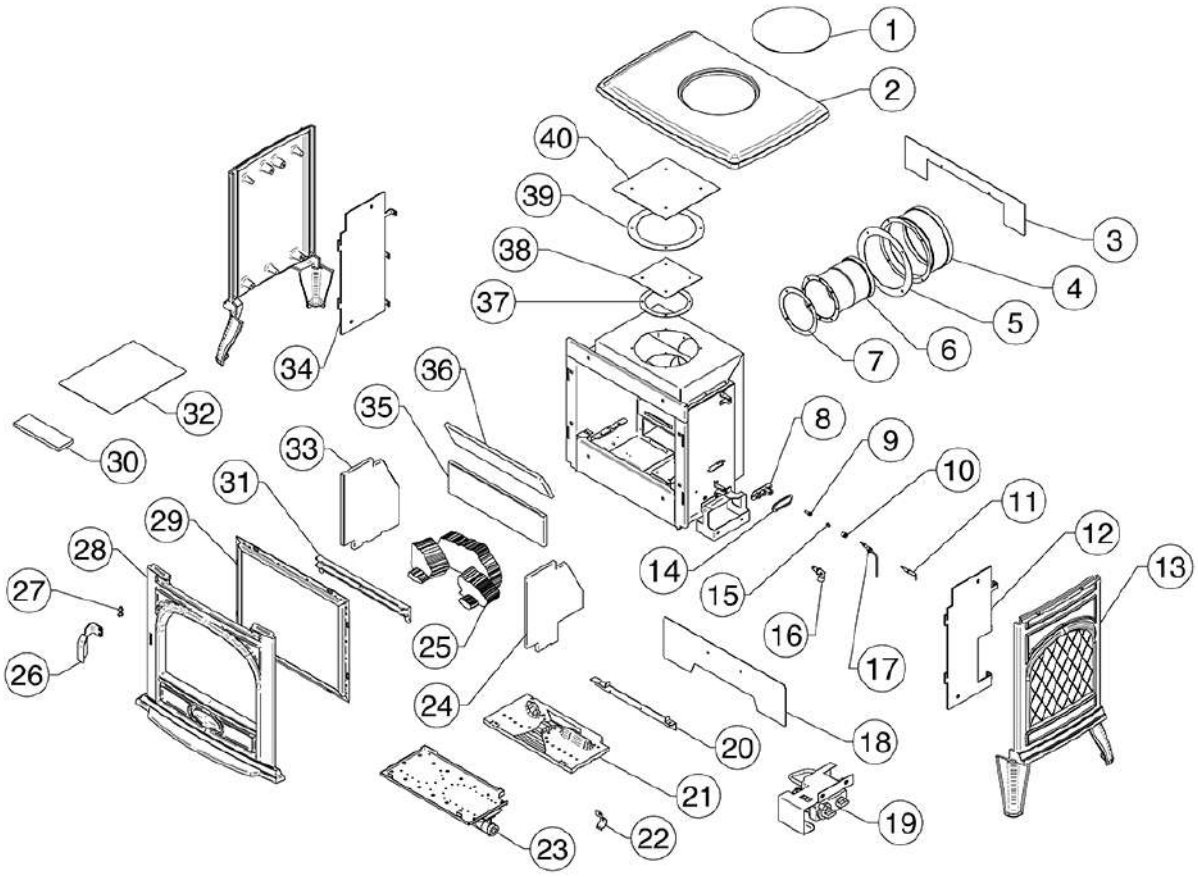
If a change in Gas Type is required please contact Gazco and arrange to return the appliance for conversion.

14. Control Upgrade

See Installation Instructions, Section 2.

Servicing Instructions - Replacing Parts

15. Spare Parts List - Dovre 280



Due to continual technical improvements please check with your Dovre retailer for the most up to date parts lists.

15. Spare Parts List - Dovre 280

No.	Component	Part Code		Quantity
		Natural Gas	LPG	
1	Blanking Plate - Matt Black	DV-03.15347.002		1
1	Blanking Plate - Ivory Enamel	DV-03.15347.082		1
1	Blanking Plate - Black Enamel	DV-03.15347.084		1
1	Blanking Plate - Majolica Brown Enamel	DV-03.15347.086		1
1	Blanking Plate - Ivory White Enamel	DV-03.15347.087		1
2	Top Plate Casting - Matt Black	DV-03.69201.002		1
2	Top Plate Casting - Ivory Enamel	DV-03.69201.082		1
2	Top Plate Casting - Black Enamel	DV-03.69201.084		1
2	Top Plate Casting - Majolica Brown Enamel	DV-03.69201.086		1
2	Top Plate Casting - Ivory White Enamel	DV.03.69201.087		1
3	Rear Airduct Cover	GZ7048		1
4	Outer Spigot	MEC0232		1
5	Outer Spigot Gasket	CE0211		1
6	Inner Spigot	MEC0231		1
7	Inner Spigot Gasket	CE0210		1
8	Pilot Body	PI0051		1
9	Pilot Burner Injector	PI0026	PI0015	1
10	Hook Nut	PI0014		1
11	Electrode	PI0053		1
12	RH Firebox Location Plate	GZ6222		1
13	LH & RH Side Casting - Matt Black	DV-03.79189.005		1
13	LH & RH Side Casting - Ivory Enamel	DV-03.79189.082		1
13	LH & RH Side Casting - Black Enamel	DV-03.79189.084		1
13	LH & RH Side Casting - Majolica Brown Enamel	DV-03.79189.086		1
13	LH & RH Side Casting - Ivory White Enamel	DV-03.79189.087		1
14	Pilot Gasket	PI0052		1

No.	Component	Part Code		Quantity
		Natural Gas	LPG	
15	Hook Olive	PI0013		1
16	Elbow Injector	IN0060 Size 158	IN0054 Size 110	1
17	Thermocouple	PI0011		1
18	Skirt	GZ7045		1
19	Control Assembly	B0216		1
20	Rear Log Retainer	GZ9553		1
21	Base Ceramic Panel	CE0997	CE1024	1
22	Aeration Plate	GZ3869		1
23	Burner Assembly	GZ9646	GZ9647	1
24	RH Ceramic Panel	CE1014		1
25	Log Set	CE0960		1
26	Door Handle	GZ6977		1
27	M6 x 8mm LG Pozi Pan Head Screw	FA0063		2
28	Front Casting - Matt Black	DV-03.24435.005		1
28	Front Casting - Ivory Enamel	DV-03.24435.082		1
28	Front Casting - Black Enamel	DV-03.24435.084		1
28	Front Casting - Majolica Brown Enamel	DV-03.24435.086		1
28	Front Casting - Ivory White Enamel	DV-03.24435.087		1
29	Glass Frame Assembly	GZ6225		1
30	Embaglow Steel Fibre	GZ8471		1
31	Log Retainer	CA0744		1
32	Instruction Manual	PR0983		1
33	LH Ceramic Panel	CE1013		1
34	LH Firebox Location Plate	GZ6221		1
35	Back Ceramic Panel	CE1015		1
36	Top Ceramic Panel	CE1030		1
37	Inner Flue Spigot Gasket	CE0210		1
38	Inner Flue Blanking Plate	GZ1320		1
39	Outer Flue Spigot Gasket	CE0211		1
40	Outer Flue Blanking Plate	GZ1321		1

Due to continual technical improvements please check with your Dovre retailer for the most up to date parts lists.

Servicing Instructions - Replacing Parts

15. Spare Parts List - Control Assembly

No.	Component	Part Code	Quantity
1	Control Valve	GC0088K	1
2	Control Valve Cover	GC0087	1
3	Mag. Unit	GC0166	1
4	Micro Switch & Screw	EL0241	1
5	Standard Headset	EL0239	1
6	Thermostatic Handset	EL0240	1
7	Standard Receiver	EL0235	1
8	Thermostatic Receiver	EL0236	1
9	Thermostatic Receiver Cable	EL0238	1
10	Standard Receiver Cable	EL0237	1
11	Geared Motor	EL0234	1
12	Ignition Lead	GC0090	1

Due to continual technical improvements please check with your Dovre retailer for the most up to date parts lists.

Service Records

1ST SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

2ND SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

3RD SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

4TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

5TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/Gas Safe Registration Number

6TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

7TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

8TH SERVICE

Date of Service .....

Next Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

9TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

10TH SERVICE

Date of Service .....

Next Service Due .....

Signed .....

Retailer's Stamp/GasSafe Registration Number

Information Requirement - Gas Heaters

Information Requirement for Gaseous Fuel Local Space Heater

Model		Dovre 280 Nat Gas	Dovre 280 LPG
Fuel	Space Heating Emissions (NOx) - mg / kWh $_{input}$ (GCV)	130	130
Heat Output	Nominal Heat Output - P_{nom}	3.3kW	3.3kW
	Minimum Heat Output (indicative) -P_{min}	1.6kW	1.6kW
Auxiliary Electricity Consumption	At Nominal Heat Output - el_{max}	N/A	N/A
	At Minimum Heat Output - el_{min}	N/A	N/A
	In Standby Mode - el_{sb}	N/A	N/A
Useful Efficiency	Useful Efficiency at nominal heat output - $\eta_{th,nom}$	84.3%	84.3%
	Useful Efficiency at minimum heat output (indicative) - $\eta_{th,min}$	70.0%	70.0%
Permanent Pilot Flame Power requirement	Permanent Pilot Flame Power requirement (if applicable) - P_{pilot}	0.200kW	0.200kW

Type of heat output/room temperature control - Manual Control		
Two or more manual stages, no room temperature control	Yes	Yes

Other control options (multiple selections possible)		
Room temperature control, with presence detection	No	No
Room temperature control, with open window detection	No	No
With distance control option	No	No
With adaptive start control	No	No
With working time limitation	No	No
With black bulb sensor	No	No

Model with Manual Control

Energy Efficiency Index	**72.2%**	**72.3%**
Energy Efficiency Class	**D**	**D**

Model with upgradeable Thermostatic controls

Type of heat output/room temperature control		
Electronic room temperature control + day timer	Yes	Yes

Energy Efficiency Index	**77.2%**	**77.3%**
Energy Efficiency Class	**C**	**C**

Contact:	Gazco Ltd, Osprey Road, Sowton Industrial estate, Exeter, EX2 7JG

United Kingdom and Eire distributors for Dovre:

STOVAX

Stovax Limited, Falcon Road, Sowton Industrial Estate, Exeter, Devon, England, EX2 7LF.

Telephone: **(01392) 474011** **Fax: (01392) 219932**

E-mail: **dovre@stovax.com** Internet: **www.dovre.co.uk**

E & O E