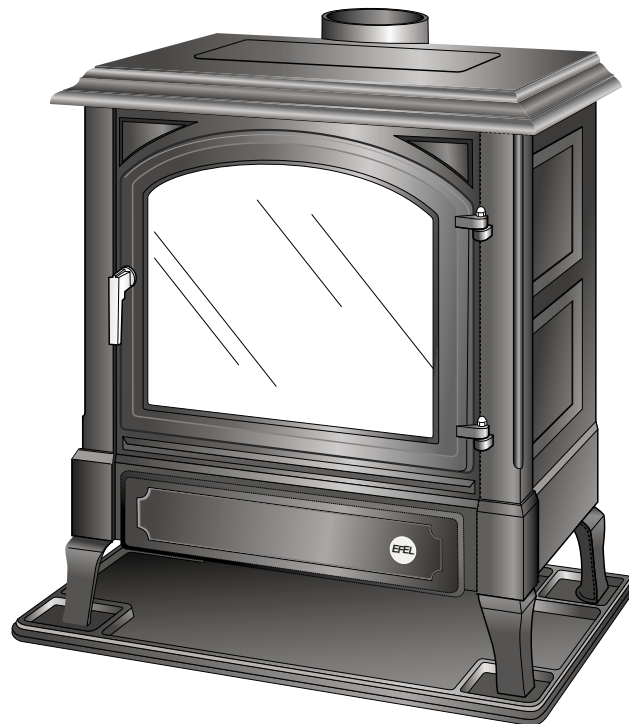




The Stove Company

49991

Installation & Servicing Harmony 5 and Stanford 50 Gas Conventional Flue Stove



Part No.

Serial Number

Euroheat Distributors
(H.B.S.) Ltd.,
Unit 2, Court Farm
Business Park,
Bishops Frome,
Worcestershire,
WR6 5AY.

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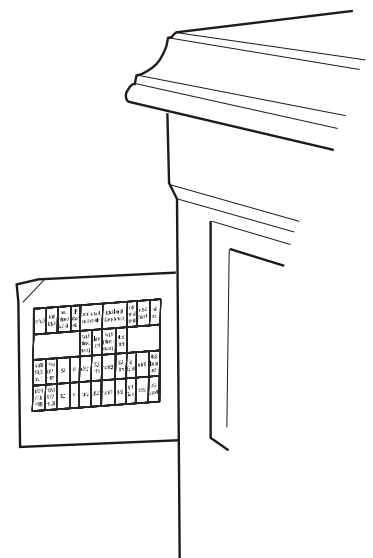
Manufactures Identification Plate

The identification plate is located at the right rear side. To access the plate swing outwards.

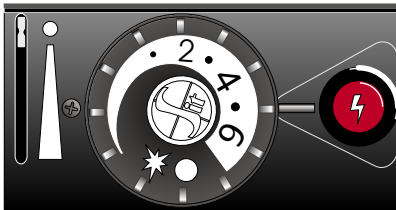
The Euroheat Appliance Serial Number

The serial number can be found at 5 possible locations:

- 1: On the front page of this manual
- 2: On the front page of the operating instructions
- 3: On the rear heat shield of the stove
- 4: On the registration form
- 5: On the registration certificate returned to the user after successful registration.



Technical Data with Eurosit Gas Valve 630



Harmony 5 Stanford 50 Gas Conventional Flue

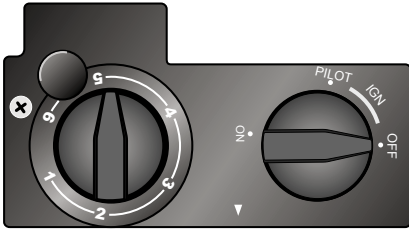
| | |
|----------------------|---|
| Model Number | 49991 |
| Heat Output Maximum | 4.8 kW/hr (16,377 BTU) |
| Heat Output Minimum | 1.9 kW/hr (6482 BTU) |
| Gas Input Maximum | 6 kW/hr (20472 BTU) |
| Gas Input Minimum | 2.5 kW/hr (8530 BTU) |
| Heat Control | Thermostatic and Manual |
| Fuel Types | Natural Gas or L. P. G. (Specify at time of order) |
| Efficiency | 80% + (net) |
| Ignition Type | Battery Spark |
| Pilot Flame | Yes |
| Flame Failure | Yes |
| Flue Spillage Sensor | Thermocouple Interrupter (TTB) |
| Fuel Effect Type | Coal |
| Fuel Outlet Options | Top or Rear (Top pre fitted) |
| Flue Size | 4" (100mm) Internal Diameter |
| Warranty | Standard 1 Year |
| Colour Options | Cast Black, Satin Black Enamel, Bottle Green Enamel, Blue Enamel |
| Decorative Plinth | Optional Extra |

| Gas Type | System Pressure | Main Burner Nozzle | Nominal Output (Maximum operation) | | Minimum Output (Low operation) | | Pilot Nozzle size | Low Operation By Pass | Heat Output | Gas Input |
|-----------------|-----------------|--------------------|------------------------------------|---------------------------|--------------------------------|---------------------------|-------------------|-----------------------|-------------------------|-------------------------|
| | | | Hourly Input | Burner Operating Pressure | Hourly Input | Burner Operating Pressure | | | | |
| G20 Natural Gas | 20mbar | 1 jet 4 x 1.11 | 0.64 m³/h | 9.7mbar | 0.266 m³/h | 1.5mbar | 37 | 1.70 | 5kW/hr 17,060 BTU/hr | 6kW/hr 20,472 BTU/hr |
| G31 Propane | 37mbar | 1 jet 4 x 0.66 | 0.477g | 32.5mbar | 0.193kg | 5.5mbar | 23 | 1.11 | 5kW/hr 17,060 BTU/hr | 6kW/hr 20,472 BTU/hr |

Seasonal Efficiency

The efficiency of this appliance has been measured as specified in BS EN 613:213 and the result is 72% Nat Gas and 73.7% LPG. The gross calorific value of the fuel has been used for this efficiency calculation. The test data from which it has been calculated has been certified by BELTEST. The efficiency value may be used in the Governments Standard Assessment Procedure (SAP) for energy rating of dwellings.

Technical Data with Mertik Maxitrol GV34 Gas Valve



Harmony 5 and Stanford 50 Gas Conventional Flue

| | |
|----------------------|---|
| Model Number | 49991 |
| Heat Output Maximum | 5 kW/hr (17060 BTU) |
| Heat Output Minimum | 1.9 kW/hr (6482 BTU) |
| Gas Input Maximum | 6 kW/hr (20472 BTU) |
| Gas Input Minimum | 2.5 kW/hr (8530 BTU) |
| Heat Control | Manual with remote control option |
| Fuel Types | Natural Gas or L. P. G. (Specify at time of order) |
| Efficiency | 80% + (net) |
| Ignition Type | Piezo |
| Pilot Flame | Yes |
| Flame Failure | Yes |
| Flue Spillage Sensor | Thermocouple Interrupter (TTB) |
| Fuel Effect Type | Coal |
| Fuel Outlet Options | Top or Rear (Top pre fitted) |
| Flue Size | 4" (100mm) Internal Diameter |
| Warranty | Standard 1 Year |
| Colour Options | Cast Black, Satin Black Enamel, Bottle Green Enamel, Blue Enamel |
| Decorative Plinth | Optional Extra |

| Gas | Gas Pressure mbar | Main Jet mm | Maximum output | | Minimum output Low Burn | | Pilot Jet |
|------------------|-------------------|---------------------|----------------|-----------------|-------------------------|-------------------|-----------|
| | | | Hourly Flow | Burner Pressure | Hourly Flow | Low burn pressure | |
| G20H Natural Gas | 20 | 1 jet with 4 x 1.09 | 0.62 m3/h | 9.8 mbar | 0.25 m3/h | 2 mbar | 51 |
| G31 LPG | 37 | 1 jet with 4 x 0.66 | 0.47kg/h | 33 mbar | 0.24 kg/h | 9 mbar | 30 |

Seasonal Efficiency

The efficiency of this appliance has been measured as specified in BS EN 613:213 and the result is 72% Nat Gas and 73.7% LPG. The gross calorific value of the fuel has been used for this efficiency calculation. The test data from which it has been calculated has been certified by BELTEST. The efficiency value may be used in the Governments Standard Assessment Procedure (SAP) for energy rating of dwellings.

General Installation and Servicing Instructions

Safety Precautions

- a) It is a requirement of the Gas Safety (Installation and Use) Regulations 1994 that these instructions, together with the Appliance User Instructions, be left intact with the user.
- b) In your own interest, and those of safety, and in accordance with the Gas Safety (Installation and Use) Regulations 1994, stoves must be installed by competent persons. Failure to install the appliance correctly could lead to prosecution.
- c) It is important to ensure that the flue system into which the appliance is to be installed is working properly. Products of combustion which enter a room could be a serious health risk. It is therefore important, in the interests of safety, that Section 3 of these instructions is strictly followed, together with the legal Statutes and Codes of Practice listed below.
- d) Any unauthorised modification will automatically invalidate any guarantee.
- e) The installation must be in accordance with the Gas Safety (Installation and Use) Regulations 1994 and with these instructions, and the relevant parts of the Local and National Building Regulations, and the recommendations of the following British Standards.
- | | |
|---------------------|---------------------------|
| BS 715 : 1993 | Metal Flue Systems |
| BS 1251 : 1987 | Fireplace Components |
| BS 1289 : PT 1 1986 | Flue Block Systems |
| BS 5440 : PT 1 2000 | Flues |
| BS 5440 : PT 2 1989 | Ventilation |
| BS 5871 : PT 1 1991 | Installation of Gas Fires |
| BS 5482 : PT 1 1994 | LPG Installations |
| BS 6891 : 1988 | Pipe work Installation |
- f) The plastic bags used to protect components of this appliance are a potential hazard to young children, and should be disposed of immediately.

Flue and Chimney Requirements

BS 5440 : PART 1

Before installation of the appliance, the chimney or flue system must be inspected and passed as suitable. In particular, the following should be checked:

- a) This appliance is suitable for installation onto the following flue types:
A suitable sized diameter flexible or fabricated steel flue system, or a standard masonry chimney.
(See appliance data for flue size)
- NOTE:**
Any steel flue systems used should be manufactured in line with the requirements of BS 715, and installed with due regard to the manufacturers recommendations.
- b) The minimum effective height of the chimney or flue must be 10ft (3 metres) measured from the hearth to the termination of the flue (chimney pot). If the flue has any non vertical sections the height should be increased in line with BS 5440 : Part 1.
- c) The chimney or flue must be free from any obstruction. Any flue damper or restrictor must be removed or permanently fixed in the fully open position.
- d) The chimney should be swept prior to installation of the stove. However, if the flue is clean and unobstructed throughout its entire length, it need not be swept.

- e) Ensure that only one fireplace is served by the chimney or flue system.
- f) Ensure that the chimney or flue system is continuous from inlet to termination.
- g) Ensure that the chimney is structurally sound so the combustion products do not come into contact with combustible materials outside the chimney.

NOTE:

A guide is published by the 'British Flue and Chimney Manufacturers' Association' which contains general information on chimneys and flues. It can be obtained from:

Sterling House, 6, Furlong, Bourne End, Bucks, SL8 5DG.

Ventilation, BS 5440 : PART 2

Before proceeding further, the following ventilation requirements must be satisfied.

- a) If the stove is installed in a builder's opening or fireplace recess that has an air supply entering from below floor level, this must be completely sealed off.
- b) If there is another gas appliance fitted in the same room, or adjacent area, or extractor fan system, air conditioning, etc., it will be necessary to refer to BS 6714 and BS 5440 : Part 2 to ascertain the additional precautions necessary.

If any of the pre-installation checks reveal inadequacies, the installation should not proceed until they are rectified.

Do not fit the appliance, seek expert advice.

Installation of the Gas Supply, BS 6891

NOTE:

Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the relevant current standards.

It is generally preferred to conceal the gas supply by bringing it under the hearth, or through masonry to the side of the fireplace. Any pipe work in 15mm tube connecting the stove to the main pipe work should be kept as short as possible with as few fittings as possible to prevent restrictions.

- a) Whenever a gas pipe passes through any masonry it must have a sleeve of non combustible material sealed at both ends to prevent the gas supply from coming in contact with masonry or lime based mortars.
- b) The gas pipe should be adequately supported over longer lengths.
- c) Soft copper tubing and soft soldered joints are suitable, providing the tube is not closer than 150mm to the stove casing i.e. the temperature must not exceed 100°C.
- d) A means of isolating the gas supply to the appliance must be provided independent of any appliance control. This may be a gas cock, ideally of the nursery type to prevent children interfering with the gas supply.
- e) Any gas tubing that has been passed through masonry, should be purged to expel any foreign materials that may have entered the supply.
- f) Care should be taken to ensure that pipe work brought through metal structures has been secured to prevent chaffing, but allow for thermal expansion.

Appliance Location

- a) This stove must be mounted on a non combustible hearth. The hearth must have a minimum of 12mm non combustible material thickness.
- b) The stove is not suitable for installation into a rear combustible wall, any combustible materials must be removed from an area of 300mm around the installation of the appliance.
- c) There must be a minimum of 450mm from the top of the stove to the underside of any combustible shelf, Note that for every 50mm increase on clearance, the shelf may project by a further 50mm. See page 8.
- d) The appliance must not be installed in a room or space which contains a bath or shower.
- e) Ensure that the stove fits neatly into its intended location.
- f) Any manufactured surround used with this stove should comply with the appropriate British Standard.
- g) Do not place furniture or furnishing within 1 metre of the stove.
- h) Do not obstruct the area directly beneath the stove as this may block the passage of air into the appliance.

If any of these conditions are not fulfilled,

DO NOT FIT THE STOVE until the problem has been rectified.

Installation of the Stove to the Flue System

Refer to section 3 to determine which flue systems are suitable for your stove size, having selected a suitable flue system, please follow the applicable installation method.

7.1 Installation to a flue pipe system

IMPORTANT: The flue pipe system should be manufactured in line with BS 715, it should be either a flexible flue liner or a rigid tubular steel construction, and it must be continuous from appliance outlet spigot to terminal.

IF IT IS INTENDED TO FIT INTO AN EXISTING MASONRY BUILT CHIMNEY SYSTEM INCLUDING THOSE THAT ARE TERRACOTTA LINED, A SUITABLE DIAMETER FLEXIBLE FLUE LINER MUST BE USED.

(See page 4 appliance data for flue size)

The stove is factory assembled for either rear or top flue connection. To choose a different direction swap the flue blanking plate and the flue spigot. See page 9.

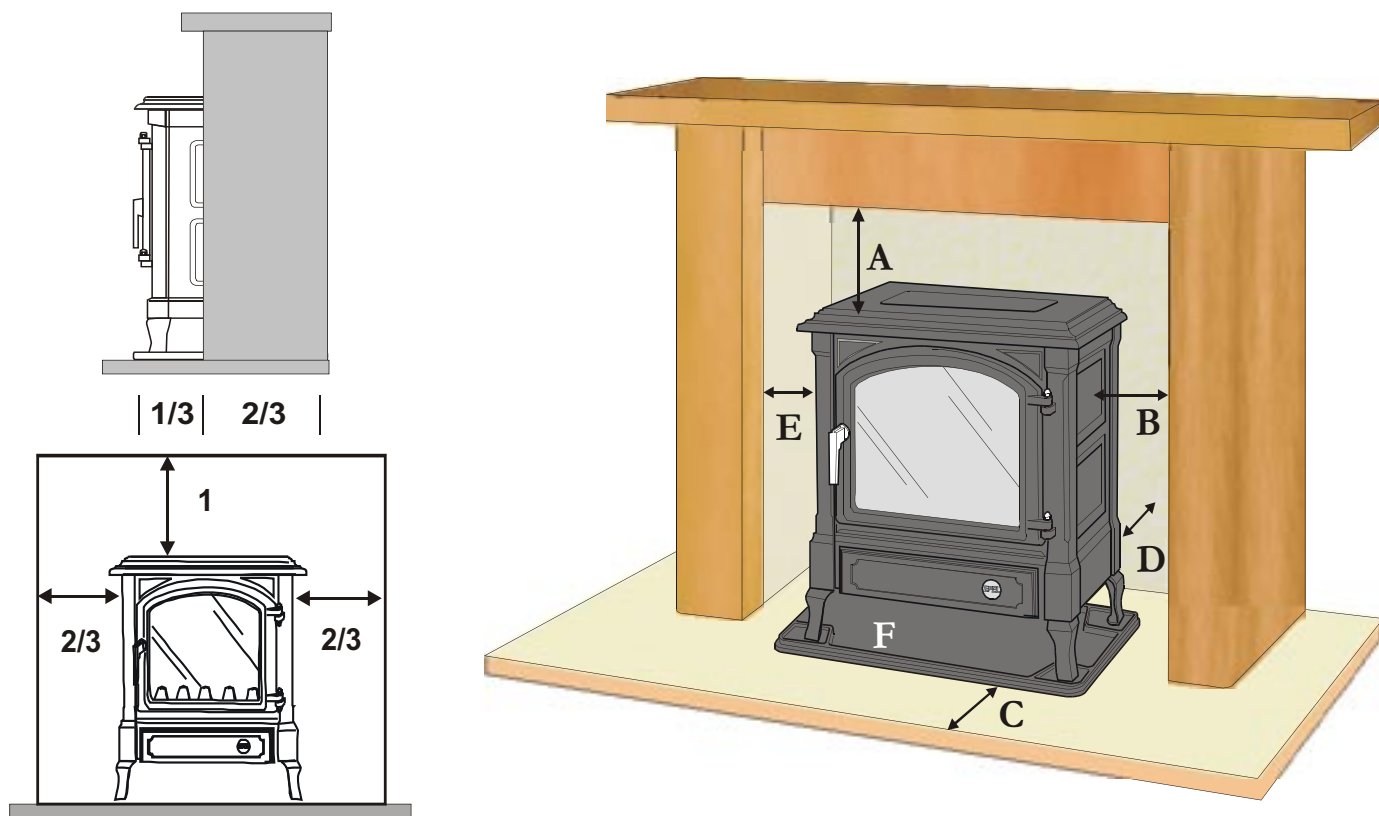
- a) The flue system may now be connected to the stove, ensure that all joints are sealed with a suitable fire resistant sealant. It is also recommended that a physical retention method be used at the flue spigot joint, self tapping screws being favoured.

Note:

If the flue is to be connected to the rear outlet, there should be no more than 150mm of horizontal flue run before the flue rises vertically. Under certain circumstances it may be necessary to use a 45 degree bend directly from the top of the stove, this is acceptable as long as it does not compromise the drawing power of the flue and the stove passes the necessary flue spillage test.

Hearth and Fireplace Requirements

Do not be tempted to fit the stove into an unsuitable fireplace. Beyond the requirements of the building regulations and access to facilitate servicing the stove, providing a setting which will complement the Harmony is not a luxury, it is the practicality of making the most of an investment. A good builder will be able to transform even the most utilitarian of fireplaces, whether altering its proportions to those of the "Golden Mean" ideal, exposing a wooden lintel, stone or simply removing superfluous detailing for comparatively small costs, and the result will be a pleasure for many years.



Minimum installation clearances

| | Minimum clearance from combustible materials | Minimum clearance from non inflammable materials |
|----------|--|--|
| A | 12" 300mm** | 9" 230mm |
| B | 6" 150mm** | 4" 100mm |
| C | 0 if stove is fitted with hearth plate otherwise 1" 25mm** | N/A |
| D | 2" 50mm** | 2" 50mm |
| E | 6" 150mm** | 4" 100mm |

**F = Decorative Hearth Plate
Supplied as optional extra**

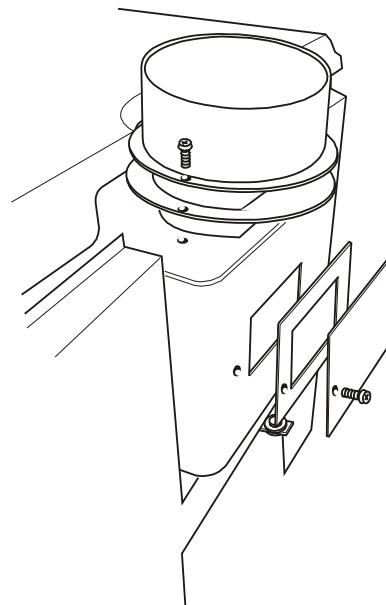
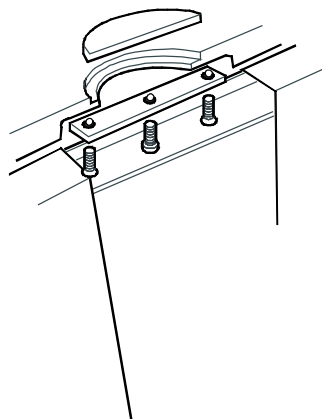
The measurements are for advice only. In all installations surrounding inflammable materials must not exceed 80°C. The stove must always stand perfectly level and have sufficient space allowed for service work.

**** The measurements provided are for guidance only**

The stove can be placed on a wooden floor if it can support the weight as long as the hearth plinth is utilized.

Changing Flue Outlet Direction

Remove flue spigot.
Remove flue outlet blanking plate.
Refit flue spigot using gasket as a seal.
Refit flue blanking plate.



Fit the half moon blanking plate in the recess of the top plate using the fitting bracket.

Gas Connection

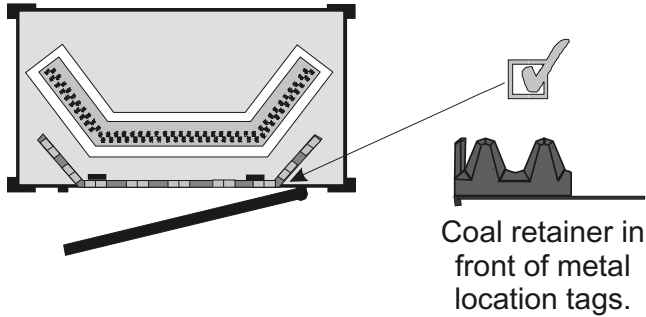
- a) Connect the gas supply pipe to the 13mm connection at the rear of the appliance.
- b) Connect a suitable gas pressure gauge to the test nipple, turn the gas supply on and check that the gas connections are sound. If satisfactory light the appliance. Check all the gas connections on the appliance for leaks. The appliance is factory tested, but it is possible for a connection to have been disturbed during transportation and installation.
- c) Set the control to the high setting, and check that the gas pressure is as stated on the data table.
- d) Turn off the gas, remove the pressure gauge and refit the test point screw, turn the gas supply on and check that test nipple is gas sound.

Fitting the Coal Effect Kit and Fuel Guard

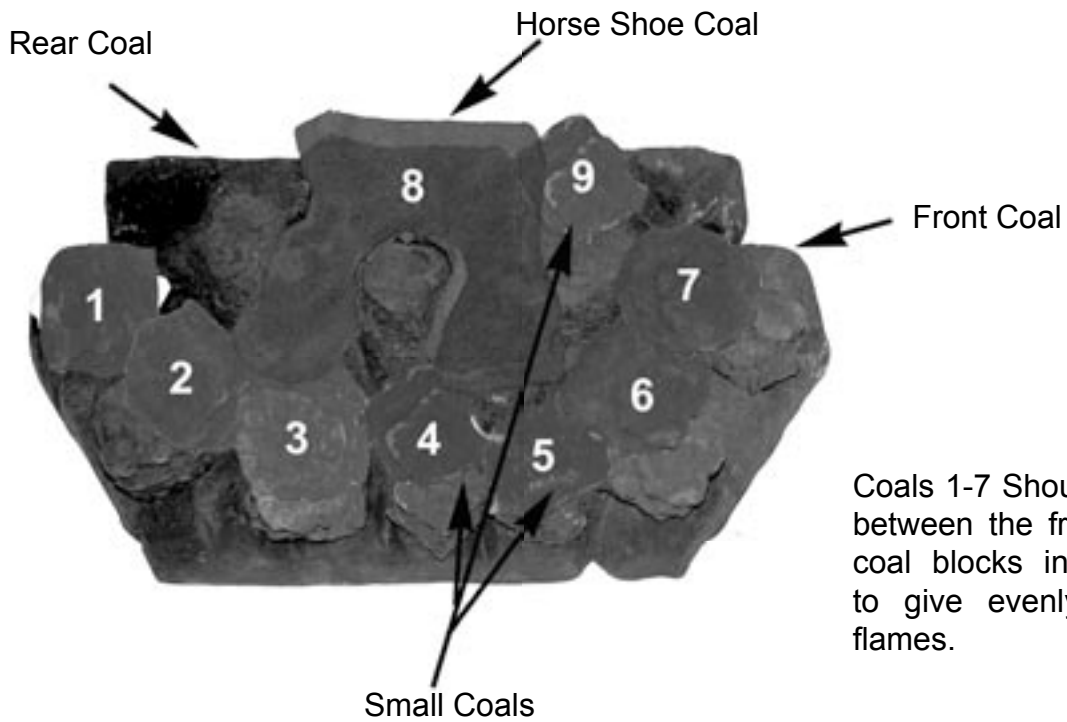
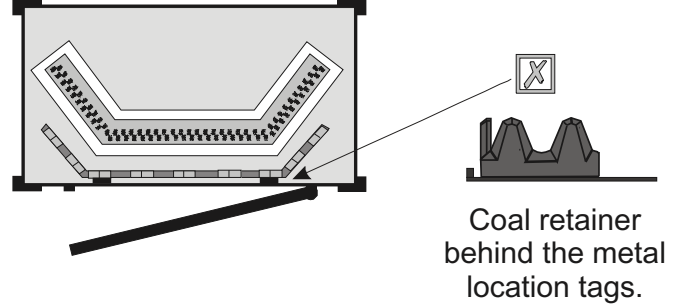
Under no circumstances should additional coals be added other than those supplied with the appliance.

The coal effect is very fragile under no circumstances should force be used to locate the effect. Damage to the coal effect is not covered by warranty.

Correct location of fuel guard.



Incorrect location of fuel guard.



Coals 1-7 Should be placed between the front and rear coal blocks in such away to give evenly distributed flames.



8 = Horse Shoe Coal



4, 5 & 9 Small Coals



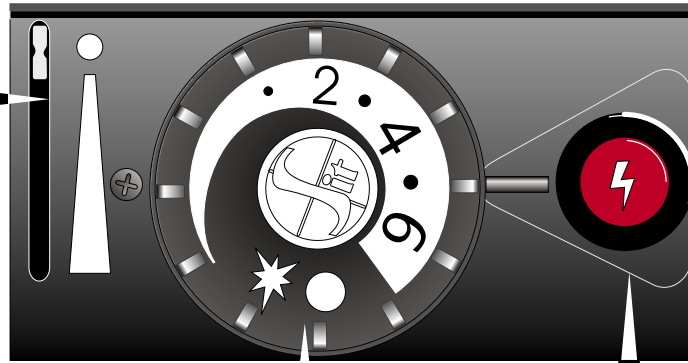
1,2,3,6,7 = Large coals

Gas Control Valve

Sit Gas Valve Eurosit 630

Manual control.

Disables the thermostatic control of the stove and allows the stove to operate at any chosen setting.



Thermostatic control.

Allows the stove to be controlled by the room temperature, maintaining a constant ambient temperature.

Ignition Button.

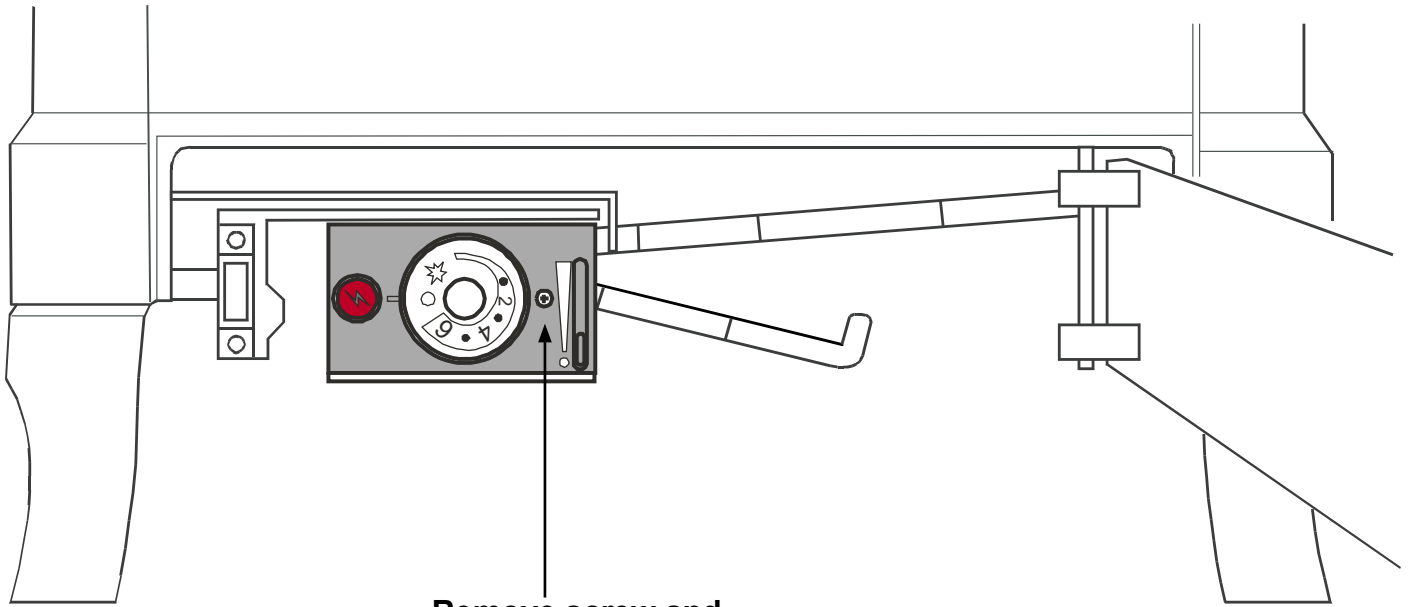
Pushing the button energizes the electronic spark generator to produce a pulsed sparks to ignite the pilot flame.

Lighting

- a) (see operating instructions for full details) Ignition is by battery spark, ensure battery is fitted. Ensure control knob is in the off position. Push in the control knob and turn to the pilot position, keeping the knob depressed. Press the ignition button. The pilot should now be alight after the system has been purged. Keep the knob depressed for 20-30 seconds, when the knob is released the pilot should stay lit. It may be necessary to repeat the procedure if the pilot does not light, particularly when the fire is first used.
- b) With the pilot burning, turn the control knob clockwise, this will turn the main burner on.
- c) In the unlikely event of the flame being extinguished whilst the gas control is in the "on" position, immediately turn "off" and wait 2 minutes before attempting to relight. For full operating instructions see operation manual.

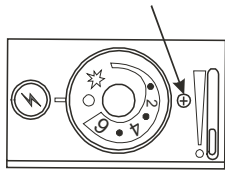
Thermostatic Eurosit Gas Valve 630 with Manual Override

Removing Gas valve Cover Plate

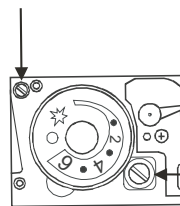


Remove screw and
gently remove cover

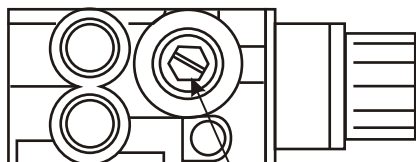
Remove screw and
gently remove cover



Pilot adjustment
**SHOULD NOT BE
ALTERED**



Low operation bypass.
**SHOULD NOT BE
ALTERED**

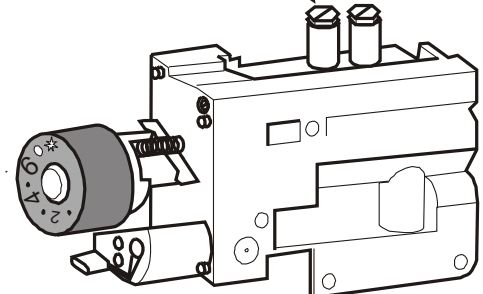


Operating pressure
adjustment

Front

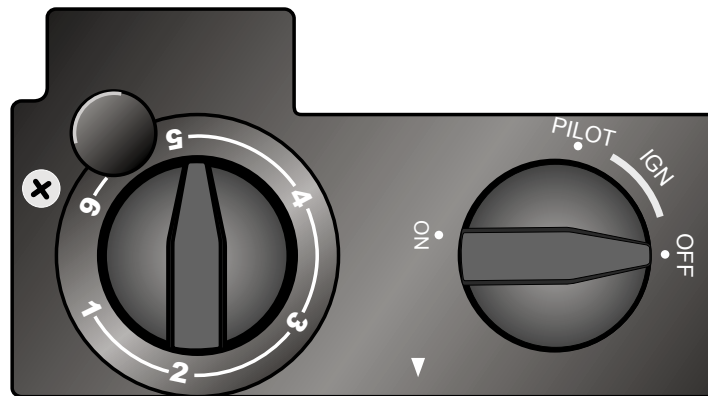
Operating
pressure
test nipple

Supply
pressure
test nipple



Mertik Maxitrol GV34 Gas Valve

Manual Control.
The manual control will set the output from the burner, varying from maximum to minimum output or any setting in between.



**On/Off
Pilot Setting and
Ignition Control**

Lighting

For full operating instructions see operation manual.

Turn the on/off knob, smaller right hand knob, slightly counter-clockwise towards the ignition position until the control knob stops turning, press it down and hold for 5 seconds to allow the gas to the pilot light.

After 5 seconds turn the control to the pilot position with the knob still depressed. There will be an audible click as the Piezo spark is generated. Hold down the control knob for 30 seconds if the pilot has lit, if it has not lit then repeat the pilot lighting procedure to maximum of 6 attempts. If after 6 attempts the pilot has not ignited leave the appliance for 2 minutes before attempting again. (This assumes the system has been purged)

Once the pilot has been established, let out the control knob and turn it anticlockwise to the "ON" position.

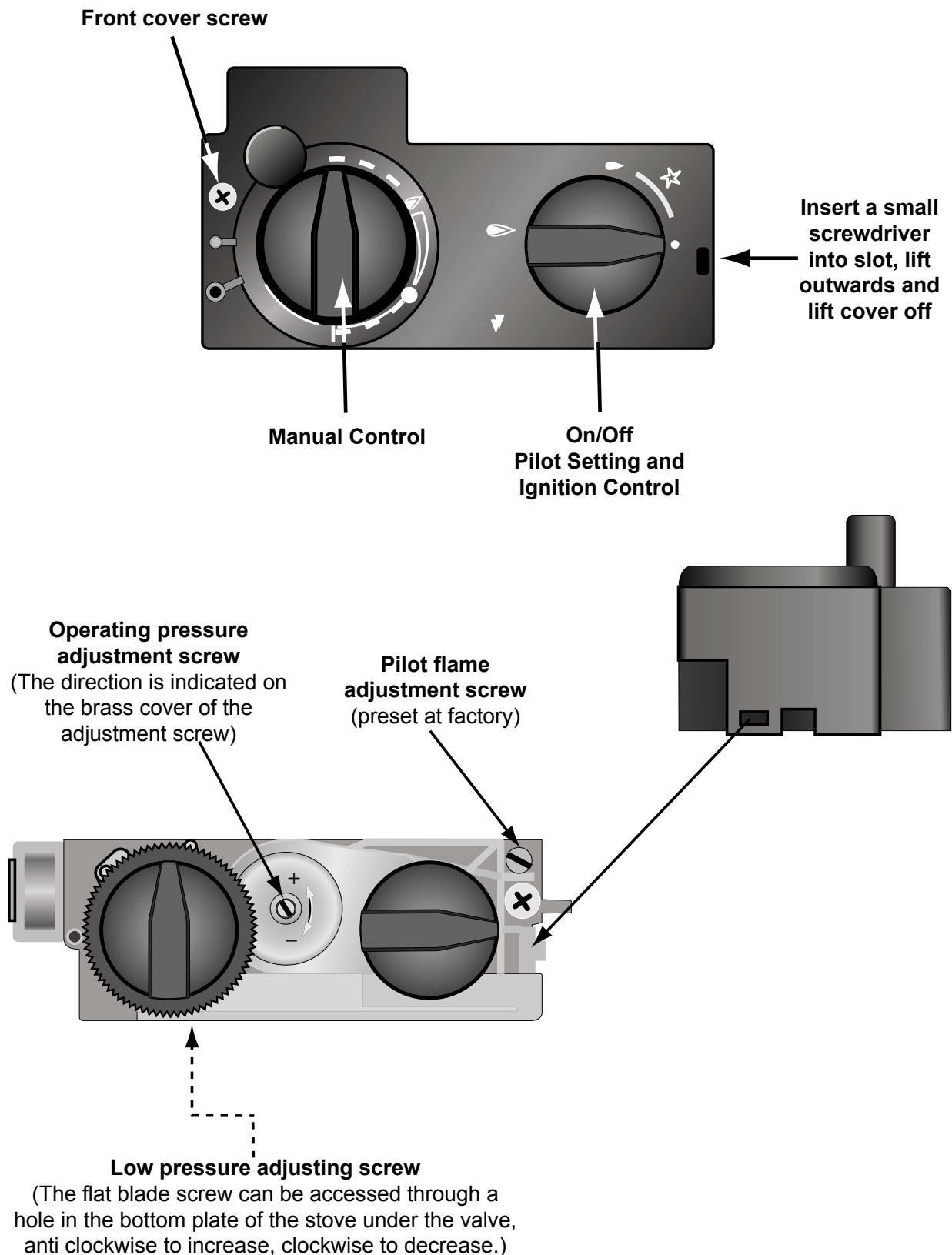
Manual Control

Turn the larger left hand control anti clockwise to increase, clockwise to decrease the desired heat output.

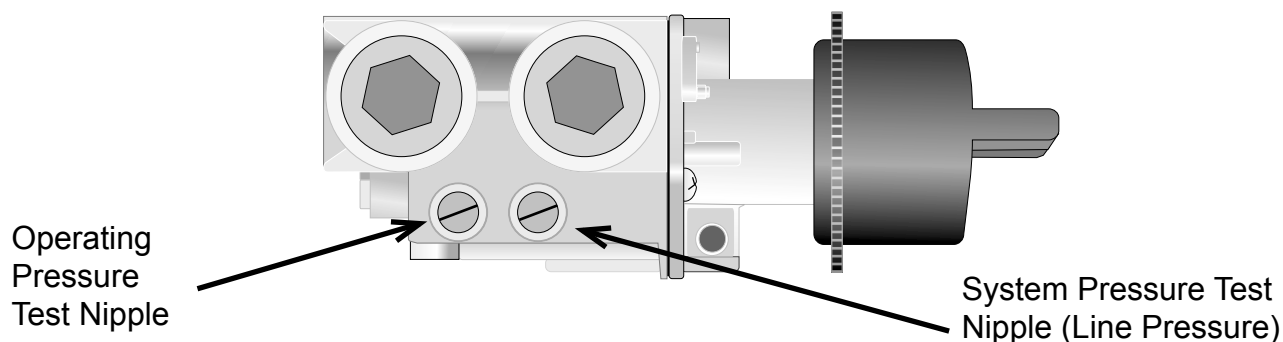
Mertik Maxitrol GV34 Gas Valve

Removing Gas valve Cover Plate

Pilot gas and pressure regulator adjustment screws are located under the cover. To remove the cover, first loosen the screw next to the temperature knob. Insert the tip of a small screwdriver into the slot on the side of the front cover next to the on/off knob, push outwards and lift the cover off.

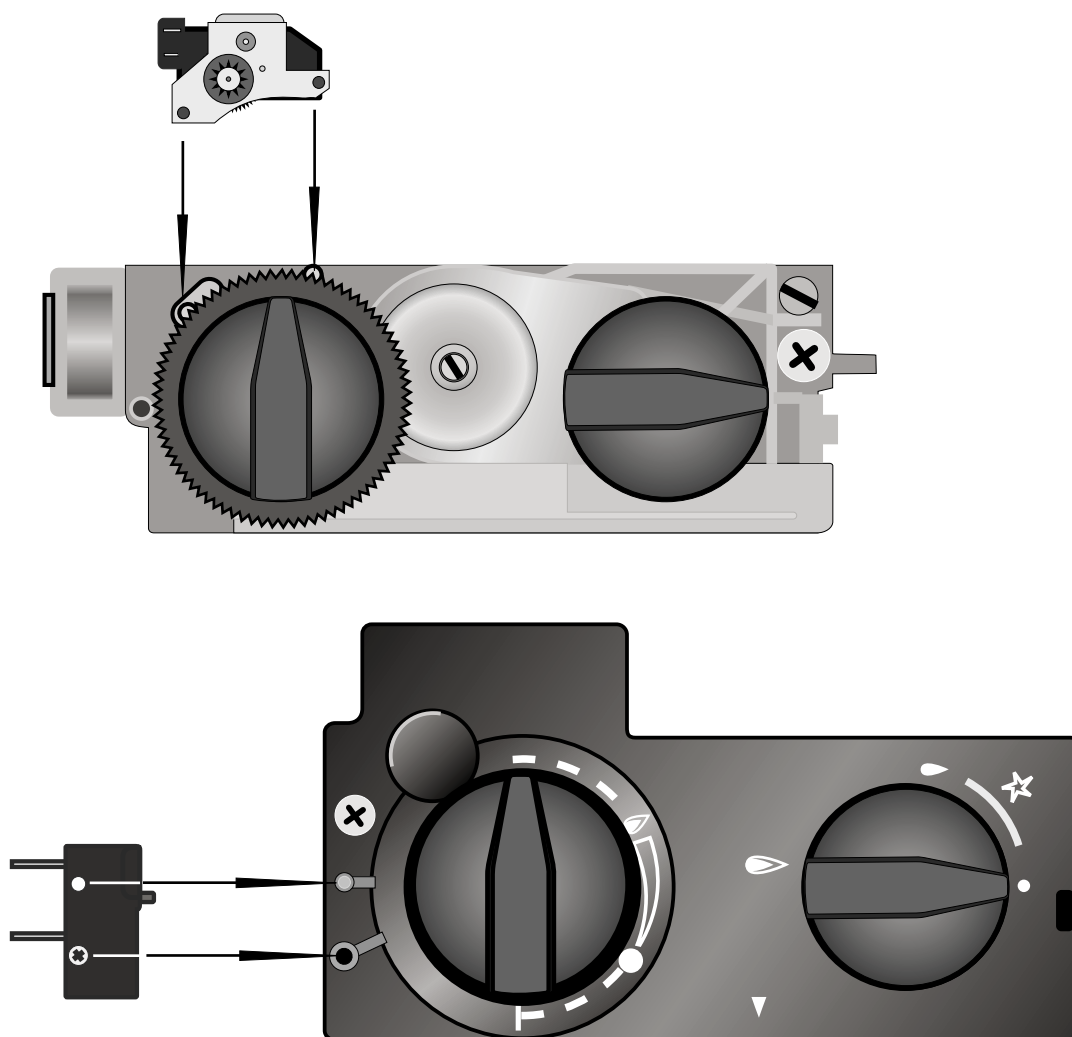


Gas Pressure Test Nipple Locations



Fitting the Remote Control

Motor and Micro switch



Fitting the Electrical Connections

The wiring loom has 5 connections.

- 1 x four wire white connector. Connect this to the remote control receiver.
- 2x small single wire connectors. Fit to the micro switch.
- 2x larger connectors fit to the motor. Note these two connectors are different in size and fit only to the appropriate sized connector on the motor.

Receiver location

Place the receiver on the hearth under the gas valve, or hidden on the hearth behind the stove.

Commissioning

- a) Carry out a gas leak test as regulations require.
- b) Ensure that all openable doors and windows in the room are shut, light the stove and operate on maximum for five minutes. Position a smoke match just beside the thermocouple TTB (see diagram) and check that all the smoke is drawn into the opening to the flue diverter.

IF SPILLAGE IS STILL OBSERVED, THERE MAY BE A PROBLEM WITH THE FLUE SYSTEM OR CHIMNEY, DISCONNECT THE APPLIANCE UNTIL THE PROBLEM HAS BEEN IDENTIFIED.

TTB

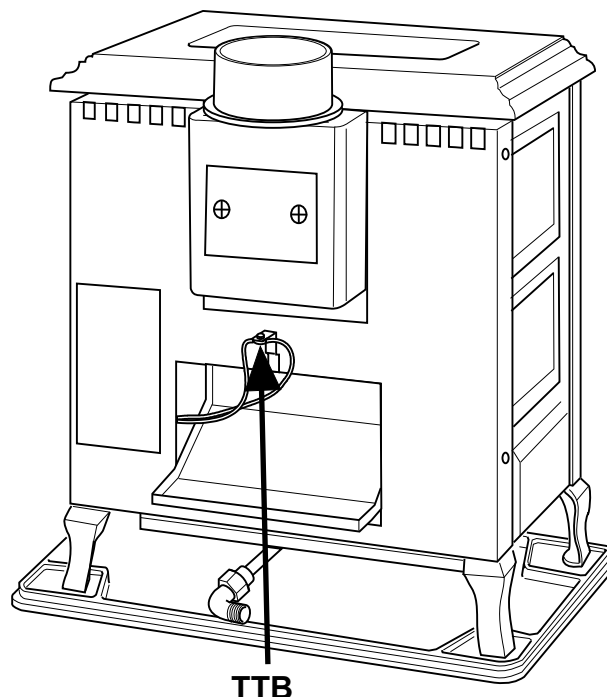
The TTB is a thermocouple interrupter (switch) which when it exceeds its predetermined temperature will break the thermocouple circuit switching off the gas to the pilot assembly. The TTB acts as a flue spillage detector. This detector responds very quickly to flue spillage with in 1-2 minutes.

Note:

If there are any extractor fans in the room or adjacent rooms, these must be running at maximum setting with all interconnecting doors left open, and the spillage test repeated.

- c) Carry out a gas operating pressure test. Attach a manometer to the operating pressure test nipple. With the appliance operating at maximum, observe the operating pressure. Adjust if required.
- d) Carry out a low burn operating pressure test. Attach a manometer to the operating pressure test nipple. Turn the gas valve control knob to the minimum flame size. Observe the operating pressure.
- e) Carry out a gas supply pressure test with the appliance operating. Attach a manometer to the supply pressure test nipple. If the pressure is below requirements inspect gas pipe installation for possible problems.

Thermocouple TTB Flue Spillage Sensor.



Information for Users which must be advised by the installer verbally or in writing.

Hand this manual and the users manual to the user and explain the operation of the appliance.

Also explain that:

- a) The stove must not be run with the door open.
- b) It must be serviced on a regular basis, i.e. every 12 months.
- c) Servicing and spare parts can be obtained by contacting the stockist from which the stove was purchased.
- d) The stove's paint may smell for at least 3-4 hours as it cures. It is advisable to operate the stove at maximum with the gas valve set for manual operation.
- e) The stove imitates a solid fuel stove, and like a solid fuel stove, ITS SURFACES BECOME VERY HOT.
- f) Do not use the appliance if the glass is cracked or broken.
- h) Do not use the appliance if any of the coal effect components are broken.
- i) The appliance must be guarded to protect children, the aged or infirm.

Servicing Instructions

Note:

This stove must be serviced regularly, at least once a year by a qualified and competent gas fitter registered with C.O.R.G.I., the Council of Registered Gas Installers.

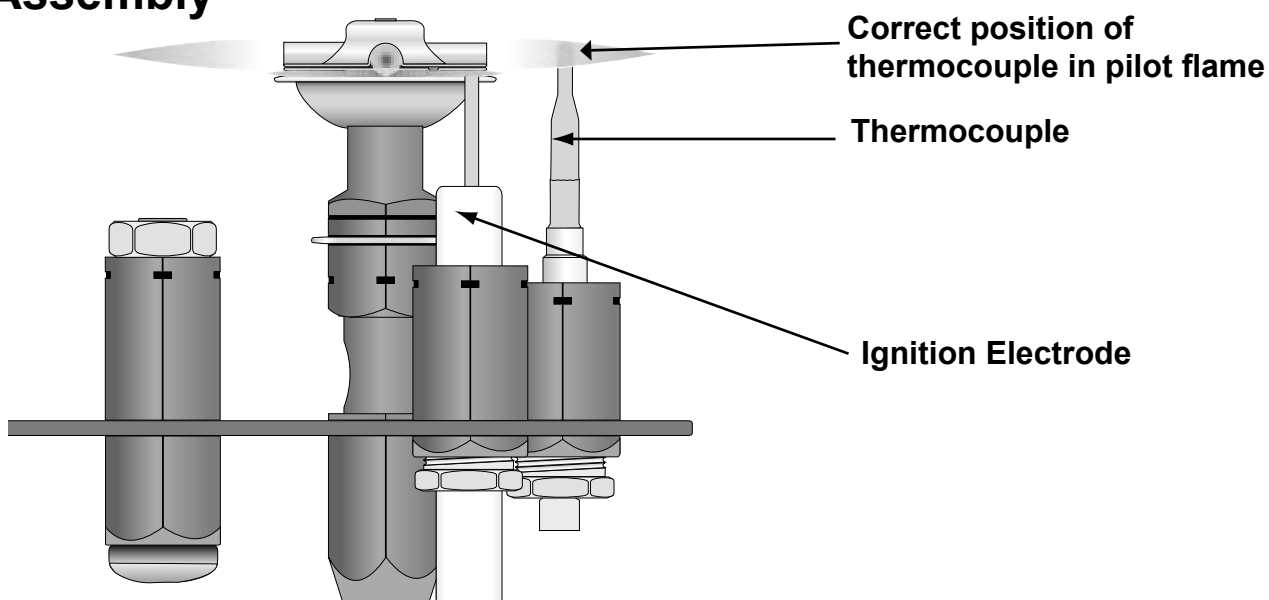
Annual Service

The following outlines the minimum work required at the annual service.

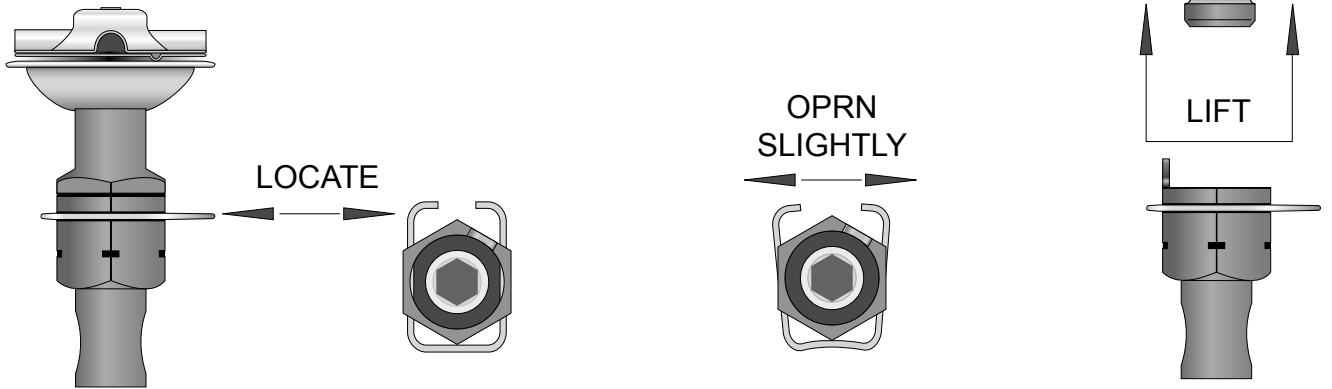
- a) Carry out the ignition functional check.
- b) Carry out the flame functional check.
- c) Remove all ceramic components by referring to the coal layout diagram
- d) Use the vacuum cleaner to remove all traces of dust and debris from inside the stove paying particular attention to the burner ports.
- e) Carry out any remedial work as a result of the functional checks.
- f) Inspect all the ceramic parts and replace any which are broken or badly damaged. Gently clean with a soft brush.
- g) Repeat the functional checks for the ignition and the flame failure devices.
- h) Check gas operating pressures.
- i) Check gas supply.
- j) Check installation for gas leaks and check flue for clearance of products of combustion.
- k) Complete the yearly service record at the rear of this document.
- l) Confirm appliance is left in a safe operational condition.

Use only genuine replacement parts, non standard components could invalidate the warranty and may be dangerous.

Pilot Assembly



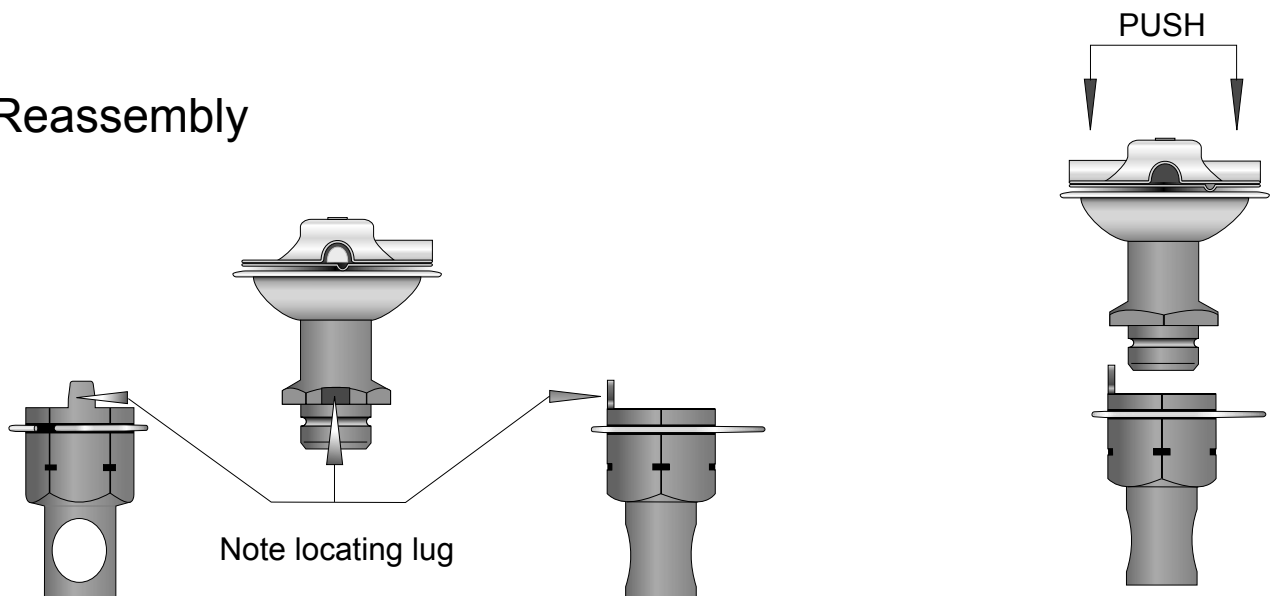
Dismantling



Pilot jet removal and replacement



Reassembly



Removing Thermocouple and Pilot Assembly

Remove right hand side panel to gain access to thermocouple and pilot assembly.

Loosen rear heat shield screws.

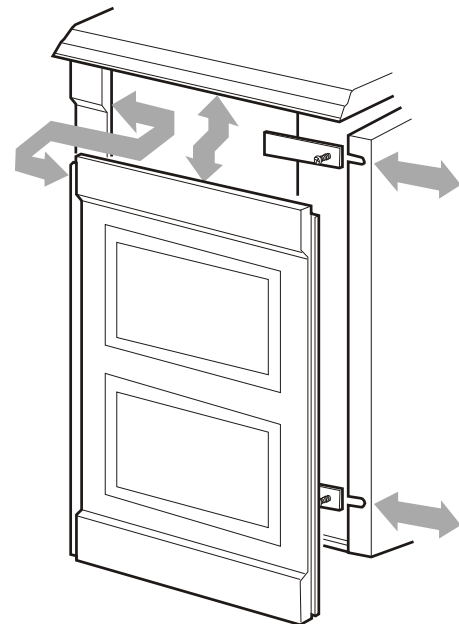
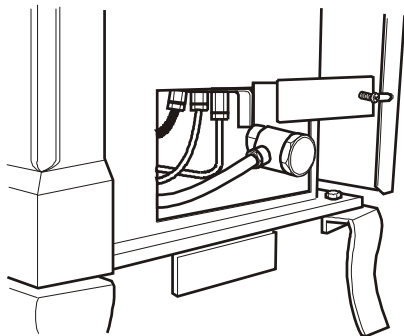
Gently slide backwards the rear heat shield 15mm.

Lift bottom of side panel upwards.

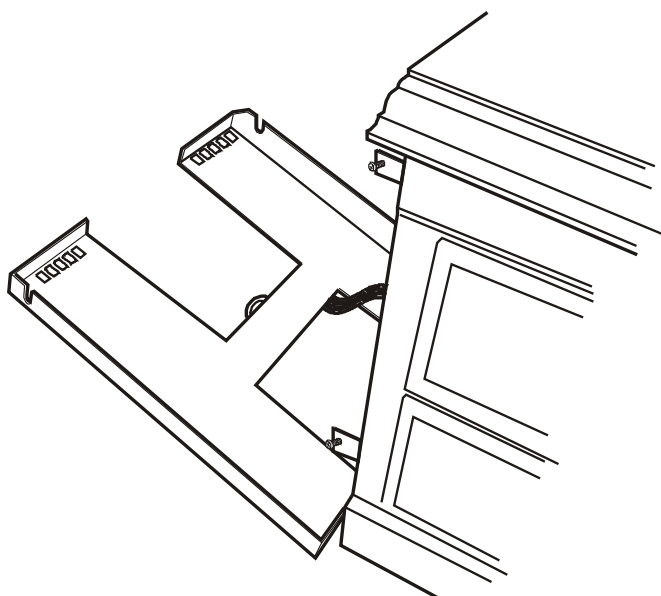
Pull the side panel towards the rear of the stove.

Lift side panel outwards at the bottom and remove.

Remove thermocouple from pilot assembly.



Caution :
Side panel coating can be easily damaged.



Accessing and removing thermocouple TTB (flue spillage detector)

Loosen rear panel retaining screws.

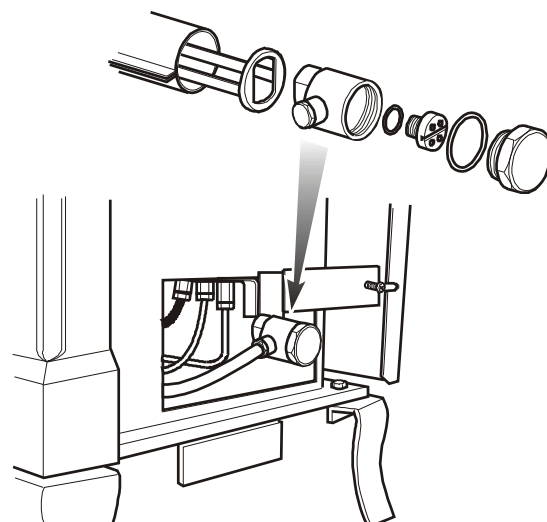
Slide rear panel clear of stove.

Remove TTB.

Remove thermocouple from rear of gas valve.

Removing Main Burner Nozzle

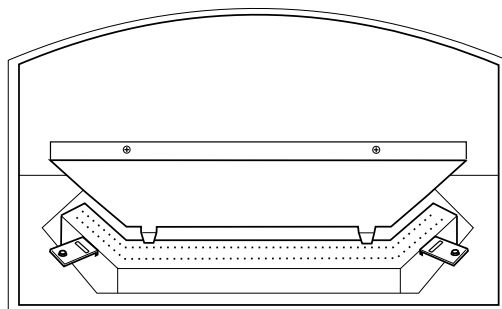
Remove right hand side panel as above.



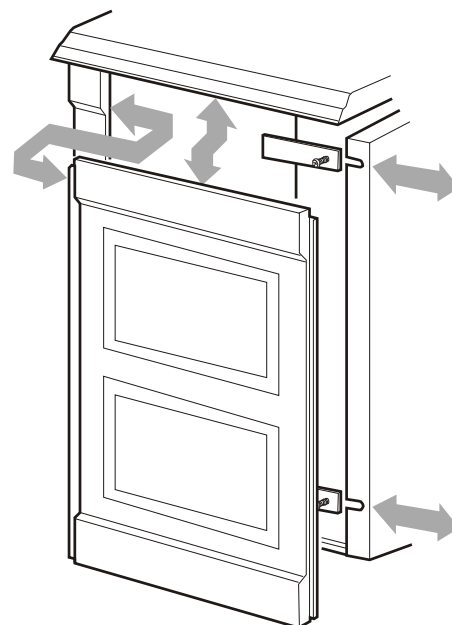
When fitting main gas burner jet ensure sealing washers are fitted.

Removing Gas Burner

1: Lift and remove coal effect and rear coal support plate.

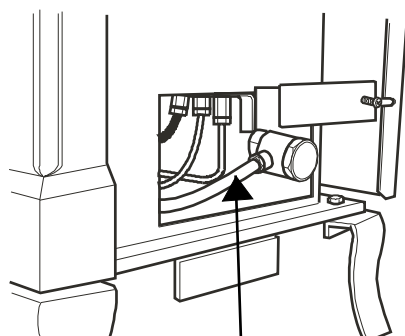


2: Remove right hand side panel.
Loosen rear heat shield screws.
Gently slide backwards the rear heat shield 15mm.
Lift bottom of side panel upwards.
Pull the side panel towards the rear of the stove.
Lift side panel outwards at the bottom and remove.



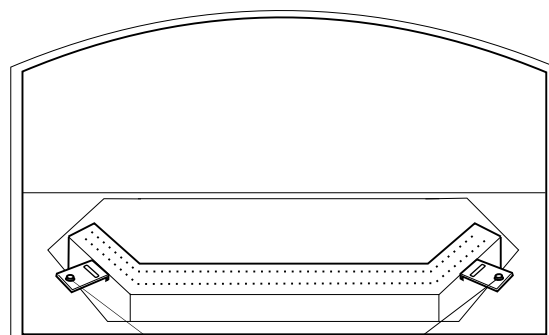
Caution
Side panel coating can be easily damaged.

3: Loosen and remove gas supply pipe.



Gas supply pipe

4: Loosen burner mounting screws and remove gas burner.



Mounting screws

Changing Gas Operating Type

The appliance will be set to operate with the gas type indicated on the packaging and on the appliance.

If the gas operating type requires changing the following procedure must be followed.

- a) The main burner nozzle must be changed to the required nozzle for the gas type to be used. (See appliance data).
- b) The pilot nozzle must be changed to the required nozzle for the gas type to be used.
- c) Eurosit 630 gas valve, the low fire bypass nozzle in the gas control valve must be changed to the required nozzle for the gas type to be used. (See gas valve assembly).
- d) Adjust the primary air collar to the required distance for the gas type to be used. (See below).
- e) The appliance operating pressure must be adjusted. Using a manometer to read the operating pressure adjust the operating pressure adjustment screw for the gas type to be used. (See appropriate gas valve technical data for required pressure).
- f) Mertik Maxitrol gas valve GV34. The low fire operating pressure will require adjustment. Light the stove and turn the control knob to a position which gives a low fire operation of the flame i.e the stove operates in three modes. 1. Pilot position, 2. Low fire, 3. High fire (full output). Check the operating pressure by connecting a manometer to the operating test nipple. Observe the pressure, adjust as required by using the low fire adjustment screw. (See gas valve technical page).

Primary Air Collar Adjustment

The primary air collar controls the combustion characteristics of the burner, and colour of the flames, by governing the amount of air induced into the gas before combustion occurs.

To adjust the collar, remove the right hand cast iron stove panel. This is removed by loosening and sliding backwards the rear heat shield. Gently lift and remove side panel. The collar is adjusted by a hexagon socket screw (Phillips headed) screw. Adjust the screw until the required gap is achieved.

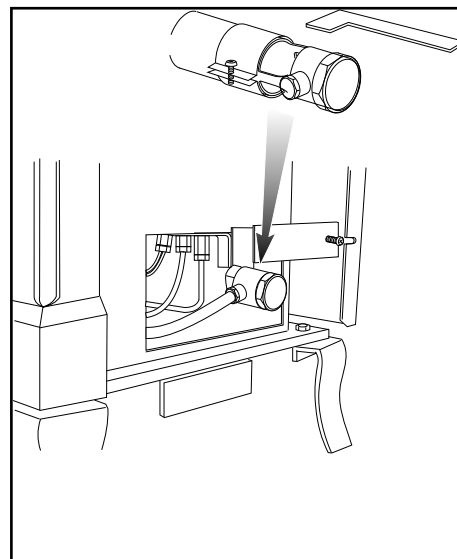
Natural Gas

The air collar should be adjusted to give a 3 mm wide opening.

L.P.G

The air collar should be adjusted to give its maximum setting.

Primary Air Collar

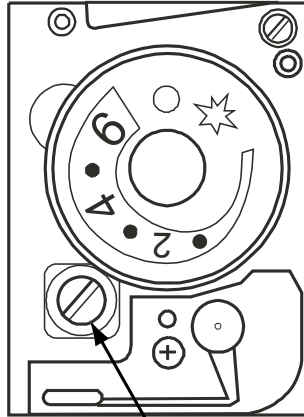


Replacing Gas Valves Eurosit 630 Thermostatic and Manual.

In our experience, gas valves very rarely need replacing. When they do it is usually due to either the knob being forced or the thermostat capillary being crushed or twisted off.

When replacing gas valves there are several things to be checked and possibly changed.

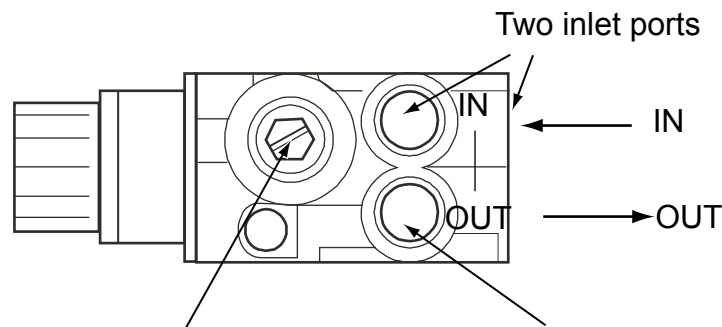
Firstly you should check that the low pressure by pass screw is the correct one for the stove and the type of gas (L.P.G. Or Nat gas) .This can be found by removing the cover of the gas valve (small x screw). Obviously if you are replacing like for like, just remove the bypass screw from the original and put in the new one.



Low operation by pass screw

The valve has two inlet ports and two outlet ports, the ports that are not it use have to be blanked off.

An arrow shows which way the gas flows in and out.



Main burner pressure adjustment

The outlet port with the "bypass hole".

In the outlet port there is a "bypass hole" , which if covered by the wrong fitting i.e. With a long thread, it will cause the valve not to work properly. The symptoms of this are that the manual over ride will not work and you may find that the fitting leaks. If it is in the port that you are not using use the aluminium surface blanking plug provided, NOT the brass allen socket plug.

The use of these ports change from stove to stove so you will more than likely have to change them over. Once the gas valve has been changed the main burner pressure will have to be checked and reset.

Euroheat, Efel and Nestor Martin have a policy of continual research and development and reserve the right to modify its appliances without prior notice.

We make every effort to ensure that the information provided in this document is correct and accurate at the time of printing. Continued updates occur to adapt documents to customer requirements and appliance changes. For the latest editions of all Euroheat documentation visit our web site www.euroheat.co.uk.

We would request that you inform Euroheat of information which you feel is not provided in this document which would assist other users in the future.

The Euroheat Technical Team

Service Record

Year 1

Annual Service Completed :- Date _____

Parts Replaced

Service Engineer :-
House Name
Number/Street Name
Locality Name
Post Town
County
Post Code
Telephone Number

Year 2

Annual Service Completed :- Date _____

Parts Replaced

Service Engineer :-
House Name
Number/Street Name
Locality Name
Post Town
County
Post Code
Telephone Number

Year 3

Annual Service Completed :- Date _____

Parts Replaced

Service Engineer :-
House Name
Number/Street Name
Locality Name
Post Town
County
Post Code
Telephone Number

Year 4

Annual Service Completed :- Date _____

Parts Replaced

Service Engineer :-
House Name
Number/Street Name
Locality Name
Post Town
County
Post Code
Telephone Number

Year 5

Annual Service Completed :- Date _____

Parts Replaced

Service Engineer :-
House Name
Number/Street Name
Locality Name
Post Town
County
Post Code
Telephone Number

When this form has been completed contact Euroheat for additional Service records