VERMONT CASTINGS, INC.

Intrepid II

Model No. V10R NAT. GAS
V10G
V10CB
Model No. V12R L.P.G
V12G
V12CB

GC No. 32-227-01

DECORATIVE COAL EFFECT GAS STOVE

Installation and Maintenance Instructions
Hand these instructions to the user
This appliance is only for use on Natural Gas (G20) at a supply pressure of 20 mbar in GB / IE (Model No. V10)
or

Propane G31 at a supply pressure of 37mbar in GB / IE (Model No. V12)

CONTENTS

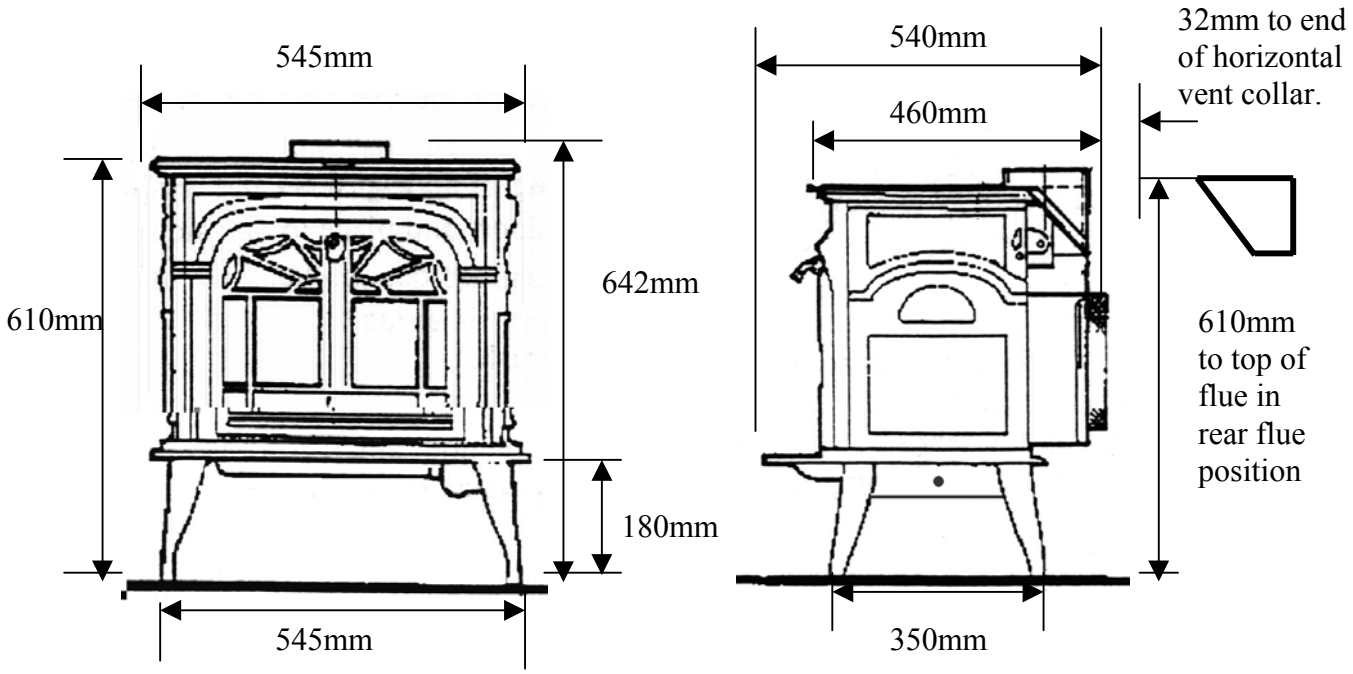
SECTION 1
INFORMATION AND REQUIREMENTS

1.0 APPLIANCE INFORMATION

Main injectors (2 off)	Size 280-Nat gas / Size 120-LPG
Pilot Type	S.I.T. Oxystop Type (YA OP 9055) – Nat gas (YA OP 9604) - LPG
Max. Gross Heat Input:	6.8 kW
Min. Gross Heat Input:	4.2 kW
Gas Rate	0.6 m^3/hr
Inlet Pressure :	(20+/-1.0mbar Nat gas) (8.0 +/- 0.4 in w.g.) (37+/-1.0mbar LPG) (14.8 +/- 0.4 inw.g.)
Ignition	Integrated piezo ignition on Valve
Electrode Spark Gap	4.5mm
Weight (not including packaging)	79 Kg

Stove Dimensions

Width:	545mm
Height: (Top vent)	642mm
Height: (Back vent)	610mm
Depth: (Top vent)	540mm
Flue collar size	150mm (diameter)
Gas Connection	8mm Compression (Supplied with stove)



INSTALLATION REQUIREMENTS

1.1 CONDITIONS OF INSTALLATION

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

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

1. B.S. 5871 Part 3 Installation of Decorative Fuel Effect Gas Fires
2. B.S. 6891 Installation of Gas Pipework
3. B.S. 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. B.S. 715 Metal flue pipes for gas appliances
5. B.S. 6461 Part 1 Installation of Chimneys and flues
6. B.S. 1289 Clay Flue Blocks and Terminals
7. I.S. 813:1996 Domestic Gas Installations

No purpose made additional ventilation is normally required, for this appliance in GB.

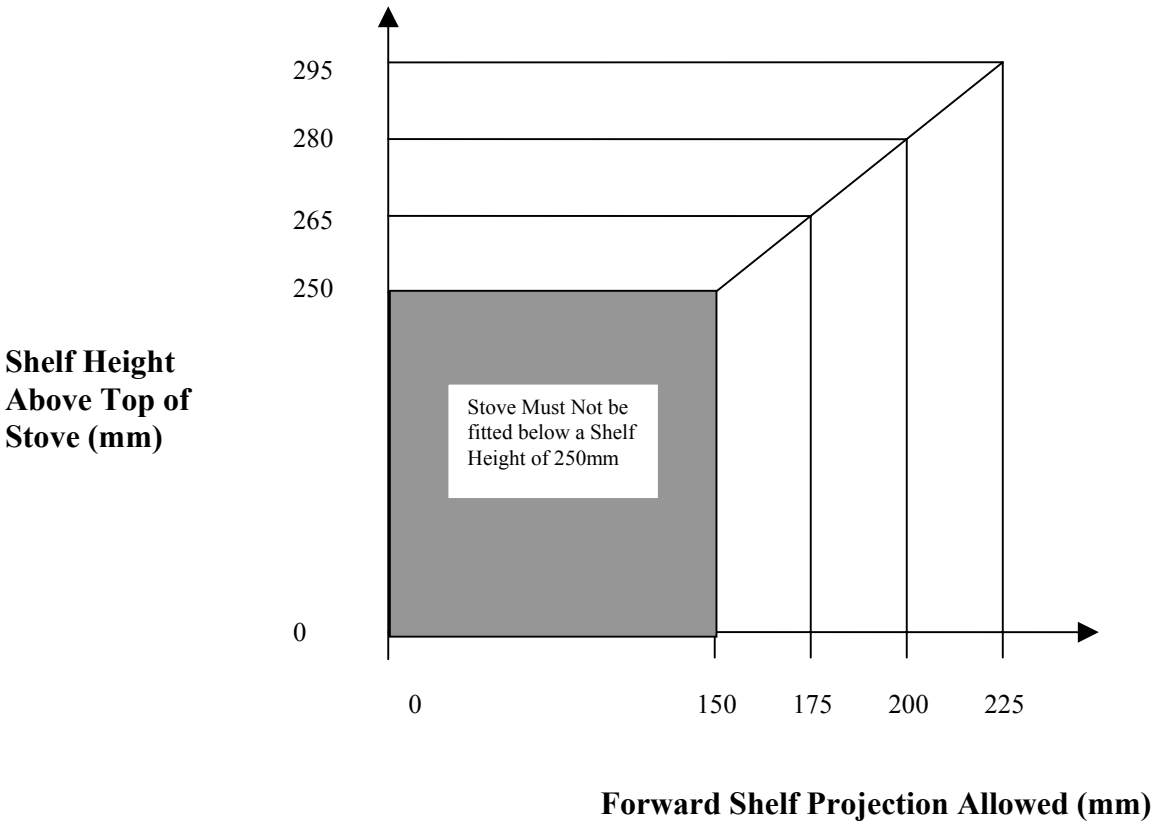
NB. For appliances installed in Republic of Ireland, refer to Domestic Gas Installation document listed above for specific ventilation requirements.

1.2 FLUE AND CHIMNEY SUITABILITY

Minimum diameter of circular flues	**125mm**
Minimum effective height of all flue types	**2.5 metres**
Maximum horizontal flue length	**150mm**

1.3 CLEARANCES TO SHELF'S – REAR FLUE FITTING

The stove may be fitted below a combustible shelf providing there is a minimum distance of 250mm above the top of the stove and the shelf does not project more than 150mm. If the shelf overhangs more than 150mm the distance between the fire and the shelf must be increased by 15mm for every 25mm of additional overhang over 150mm. See Graph below



1.4 CLEARANCES TO COMBUSTIBLE BEAMS WITHIN INGLENOOKS – TOP FLUE FITTING

The stove may be below a combustible beam providing there is a minimum distance of 610mm above the top of the stove and that it does not extend in front of the stove. There must be a minimum distance of 300mm to any combustible side or rear surface, and 100mm to any non-combustible side or rear surface.

1.5 FLUE / CHIMNEY INSPECTION

Before commencing installation, a flue or chimney should be inspected to ensure that all the following conditions are satisfied.

1. Check that the chimney / flue only serves one fireplace and is clear of any obstruction. Any dampers or register plates must be removed or locked in the open position.

2. Brick/stone built chimneys or any chimney or flue which has been used for an appliance burning fuel other than gas must be thoroughly swept. The base of the chimney / flue must also be thoroughly cleared of debris etc.

3. Any under-floor air supply to the fireplace must be completely sealed off.

4. Ensure that the inside of the chimney / flue is in good condition along it's length and check that there is no leakage of smoke through the structure of the chimney during and after the smoke pellet test.

5. The stove can be installed into various flue pipes (in accordance with BS. 715) with a minimum internal diameter of 125mm.

6. **Using a smoke pellet, check that there is an up-draught in the chimney / flue and that the smoke can be seen issuing from the terminal / chimney pot outside. There must be no leakage of smoke through the structure of the chimney during or after the smoke pellet test and it is important to check inside upstairs rooms adjacent to the chimney / flue**. Check the chimney pot / terminal and general condition of the brickwork or masonry. If the chimney or flue is in poor condition or if there is no up-draught do not proceed with the installation. If there is a history of down-draught conditions with the chimney / flue, a Tested and Certificated flue terminal or cowl suitable for the relevant flue type should be considered.

A spillage test must always be carried out during commissioning of the appliance, see page 30 & 31 for details.

1.6 HEARTHS

The hearth used with this product should extend 75mm in front of stove and 150mm either side of the stove

1.7 SPILLAGE MONITORING SYSTEM

This appliance is fitted with a draft diverter and thermal switch. This is designed to shut the fire off in the event of a partial or complete blockage of the flue causing a build up of combustion products in the room in which the stove is operated. **The following are important warnings relating to this spillage monitoring system** :-

1) The spillage monitoring system must not be adjusted by the installer.

2) The spillage monitoring system must not be put out of operation under any circumstances.

3) When the spillage monitoring system is exchanged only a complete original manufacturers part may be fitted. It is not possible to replace individual parts on this appliance, only a complete assembly may be fitted.

1.8 FITTING THE REMOVEABLE HANDLE TO THE STOVE DOOR

The door handle which comes with the stove is designed to be removeable to prevent overheating during long periods of use. To use the handle, simply slide the collar into the door handle and open the doors. When you have either opened or shut the doors, remove the handle and store in a safe place.

IMPORTANT NOTICE : PLEASE INFORM THE CUSTOMER THAT THIS STOVE MUST NOT BE RUN WITH THE DOORS IN THE OPEN POSITION, OR IF THE GLASS IS BROKEN OR MISSING.

A LABEL STATING THIS MESSAGE IS ADHERED TO THE GLASS DOORS OF THE APPLIANCE PLEASE ASK THE CUSTOMER TO REMOVE THIS LABELTO ENSURE THAT THEY ARE AWARE OF THIS BEFORE LIGHTING THE STOVE FOR THE FIRST TIME.

SECTION 2
INSTALLATION OF THE STOVE

2.1 UNPACKING THE STOVE

Carefully remove the stove from its packaging taking care not to damage the gas controls located beneath the appliance . Remove the loose items from inside the stove. Check the contents as listed :-

NOTE: This appliance is extremely heavy so care should be taken when lifting the stove from its packaging.

Packing Check List

1off	Handle (enamel stoves)
2off	Handle (cast iron stoves)
1off	Boxed hard ceramic fuelbed and 23 synthetic coals (18 Large and 5 Small)
1off each	User instruction book and Installation book
1off	Touch-up paint (enamel stoves only)
1off	Black Closure Plate
7off	Closure Plate Fixing Screws (for use with closure plate)
1off	Spigot Extension (for use with closure plate)

NOTE: NO OPTIONAL SHORT LEGS ARE AVAILABLE FOR THE INTREPID II GAS STOVE.

CLEAN THE GRIDDLE BEFORE USE

At the factory we coat the griddle with vegetable oil to prevent rusting while the stove is in transit or storage. Remove the oil with a dry rag or paper towel before you use the stove.

2.2 INSTALLING THE STOVE

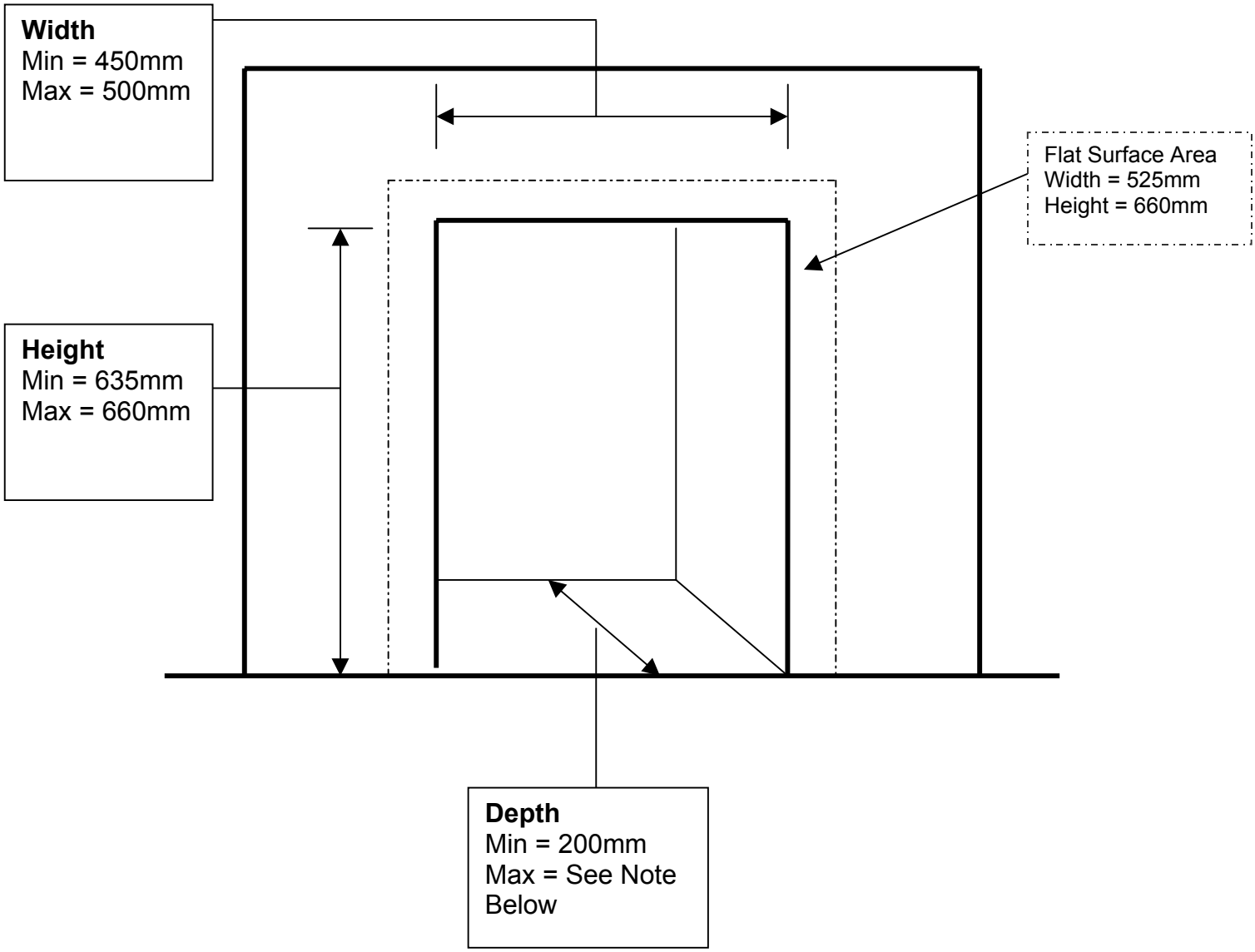
Due to the weight of this appliance (79kg) it does not require any additional fixing methods. There are several methods of installing the flue system for use with the Intrepid II stove. Please follow the installation criteria stated below dependent upon which type of flue you are planning to install the Intrepid II gas stove into :- See page 31 for flue pipe / elbow options.

If you have a stone or brick built chimney, please refer to pages 11 to 13 for method of installation.

If you have a stone or brick built chimney with or without an integral clay flue liner fitted and are planning to fit the stove using a closure plate, please refer to pages 14-16 for method of installation.

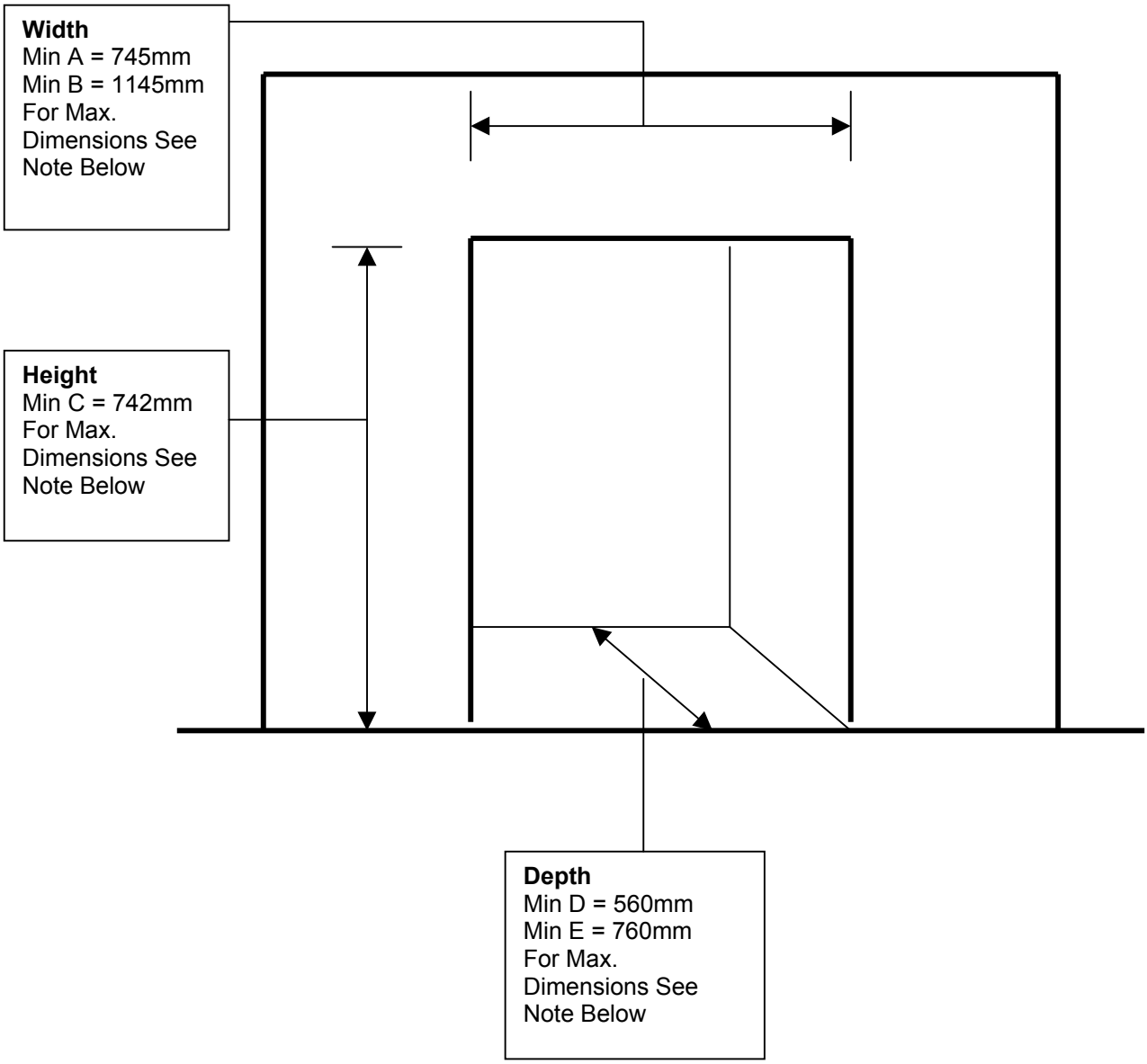
If you have no chimney, and are planning to fit the factory manufactured flue pipe or an alternative flue pipe, please refer to pages 17 to 19 for method of installation.

2.3 MINIMUM AND MAXIMUM DIMENSIONS OF BUILDERS OPENING / VOID – REAR FLUE FITTING



NOTE : Maximum dimensions when measured on individual installations must not calculate to exceed a void volume of 247dm^3, or be less than 12 dm^3. See page 14 for example calculation.

2.4 MINIMUM AND MAXIMUM DIMENSIONS OF INGLENOOK – TOP FLUE FITTING



Minimum “A” Dimension = 745mm into Non Combustible Surround
Minimum “B” Dimension = 1145mm into Combustible Surround
Minimum “C” Dimension = 742mm into Non Combustible Surround
Minimum “D” Dimension = 560mm into Non Combustible Surround
Minimum “E” Dimension = 760mm into Combustible Surround

NOTE : Maximum dimensions are not specified due to limiting installation possibilities

2.5 DIRECTLY HORIZONTAL OR VERTICAL INSTALLATION OF STOVE INTO A STONE OR BRICK BUILT CHIMNEY.

If you require to fit the Intrepid II gas stove into a stone or brick built chimney, you should first check that the flue has a positive up-draught as described on page 5 of this book.

A minimum effective flue height of 2.5m from the centre of the flue outlet spigot is required, and a flue terminal conforming to the requirements of BS 5440 : Part 1 will need to be fitted.

The flue spigot outlet has been fitted to the appliance from the factory in the vertical position, if you require to fit the flue pipe in the horizontal position, you must rotate the flue outlet spigot as shown on page 20-21

A debris / register plate must be fitted around the flue pipe and the flue pipe must be sealed to both the debris / register plate and to the base of the chimney where the flue pipe enters the chimney. This should be sealed using a suitable fire cement or proprietary sealing compound.

If you are fitting the flue pipe directly horizontal on the stove, you will need to reverse the outlet spigot on the stove, as it is factory set in the vertical position. See page 20-21 for details of how to reverse this spigot back to the horizontal position.

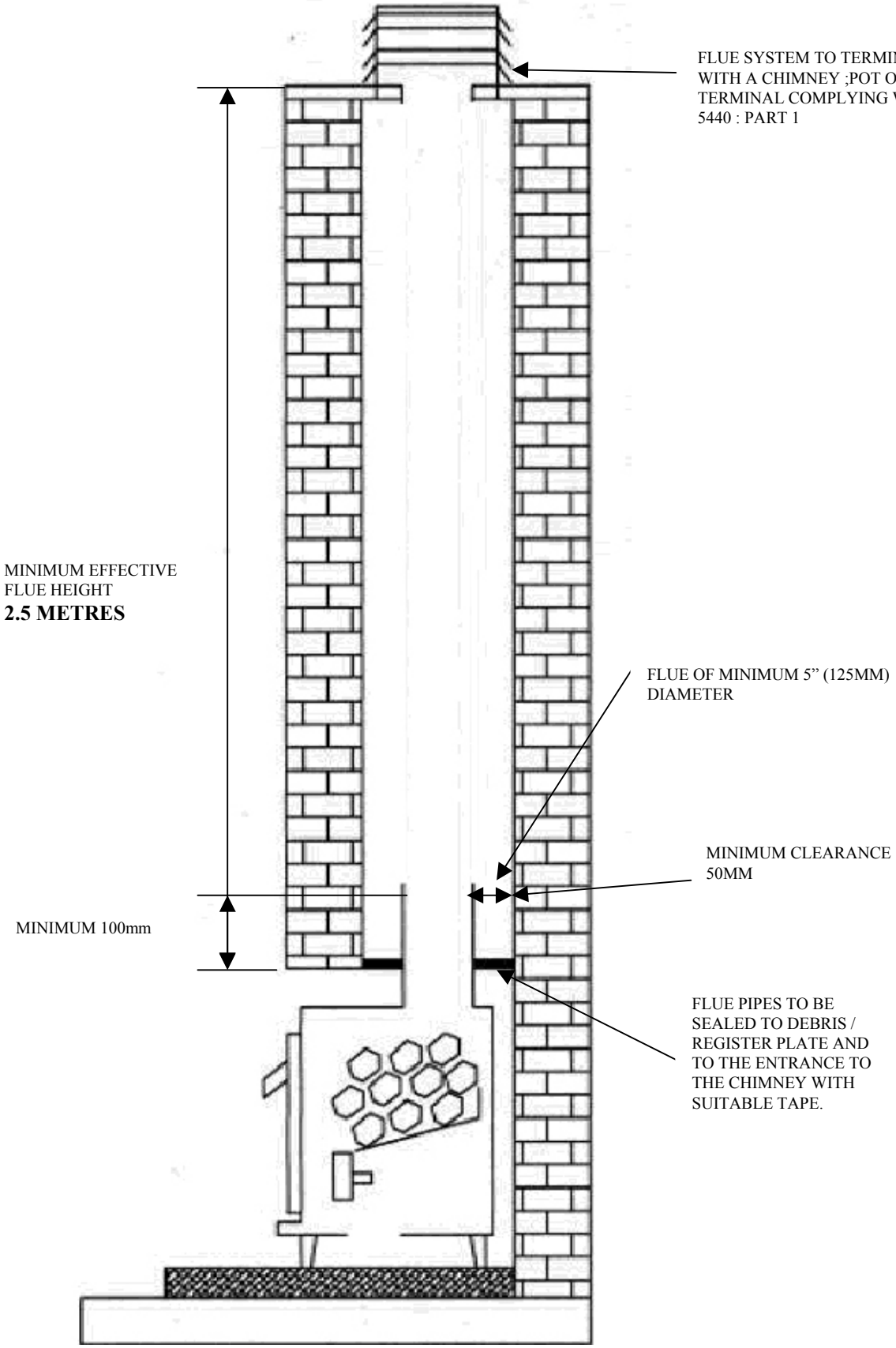
With the debris / register plate sealed into position and any sealing compound cured, and with the flue outlet spigot in the correct position, set the stove to its required position and connect the flue pipe to the chimney spigot / collar. Once this is complete, proceed with the connection of the gas supply, fuelbed layout and commisioning of the stove.

On the following two pages, diagrams are shown to illustrate a **vertical installation** (page 12) and a **horizontal installation** (page 13), with relevant dimensional information.

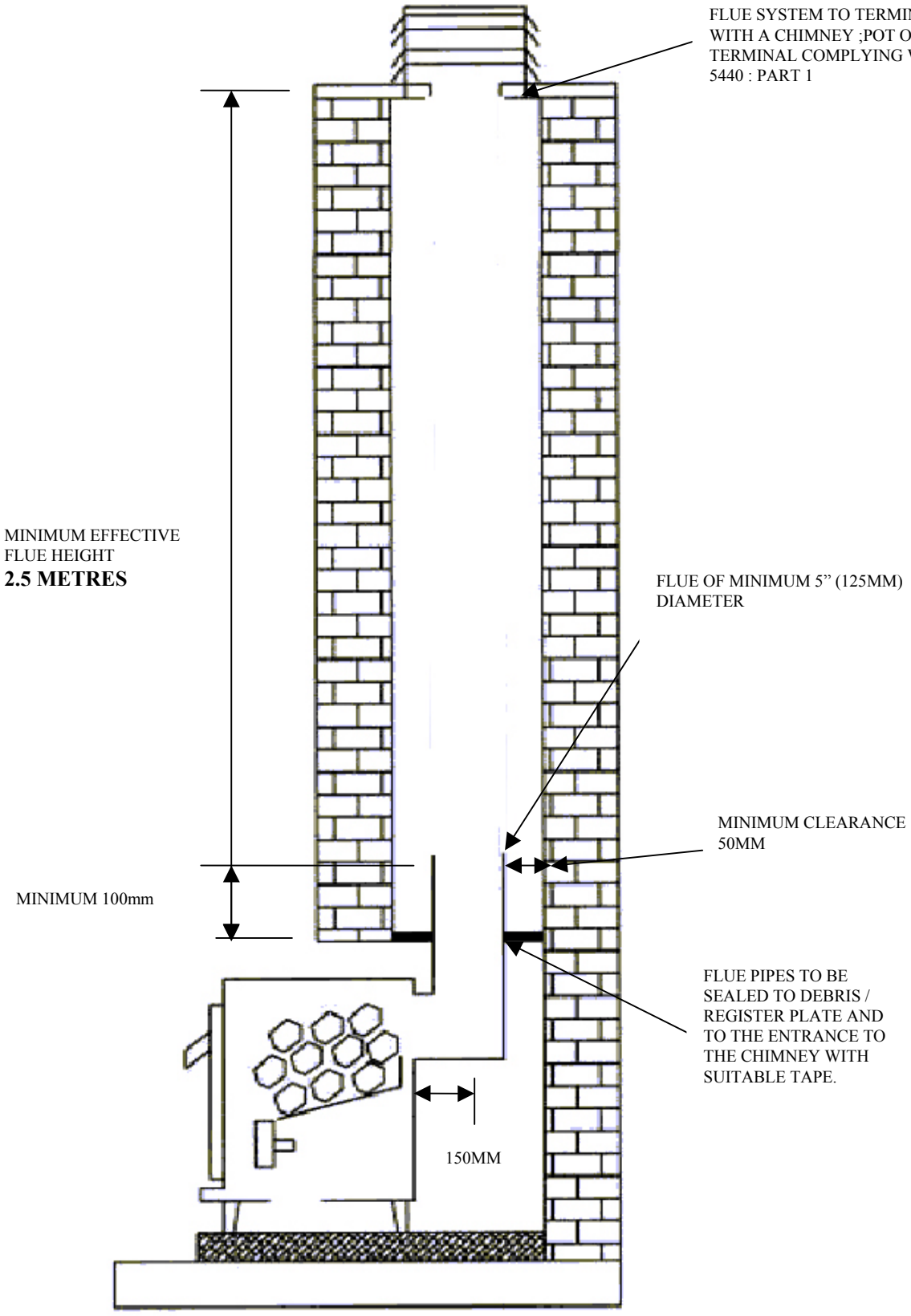
See page 31 for flue pipe / elbow options.

A closure plate is enclosed with the product.

INSTALLATION OF AN INTREPID II GAS STOVE DIRECTLY VERTICAL INTO A BRICK OR STONE BUILT CHIMNEY.



INSTALLATION OF AN INTREPID II GAS STOVE DIRECTLY VERTICAL VIA A HORIZONTAL COLLAR INTO A BRICK OR STONE BUILT CHIMNEY.



2.6 DIRECTLY HORIZONTAL INSTALLATION OF STOVE INTO A STONE OR BRICK BUILT CHIMNEY WITH & WITHOUT INTEGRAL CHIMNEY LINER, UTILISING A CLOSURE PLATE.

If you require to fit the Intrepid II gas stove into a stone or brick built chimney without a chimney liner fitted, you will have to fit a minimum 5" (125mm) diameter flue pipe to run the entire height of the flue, you should also check that the flue has a positive up-draught as described on page 5 of this book. If the chimney liner is fitted, you do not require to fit a flue pipe, but the flue will need to be tested for positive up-draught, as described on page 5.

A minimum effective flue height of 2.5m from the centre of the flue outlet spigot is required, and a flue terminal conforming to the requirements of BS 5440 : Part 1 will need to be fitted.

A debris / register plate must be fitted around the flue pipe and the flue pipe must be sealed to both the debris / register plate and to the base of the chimney where the flue pipe enters the chimney. This should be sealed using a suitable fire cement or proprietary sealing compound.

The flue spigot outlet has been fitted to the appliance from the factory in the vertical position.

You must ensure that the void volume behind the catchment area is a minimum of 12 dm^3 The void, including that which may be created by any ledge, should not be so large as to adversely affect performance of the flue by creating abnormal flow. Where an oversized void is encountered, it may be reduced in size by lining the void with bricks or blocks, or alternatively by inserting a metallic flue box. The nominal dimensions of the void must not exceed 650mm wide x 475mm deep x 800mm in height. The metallic flue box as stated above should conform to BS 715.

To calculate the void volume, measure the height, width and depth of the void in millimetres (mm)

e.g. 450mm height x 300mm width and 250mm depth

450 x 300 x 250 = **33,750,000mm^3**

To convert this figure into dm^3, divide by 1,000,000

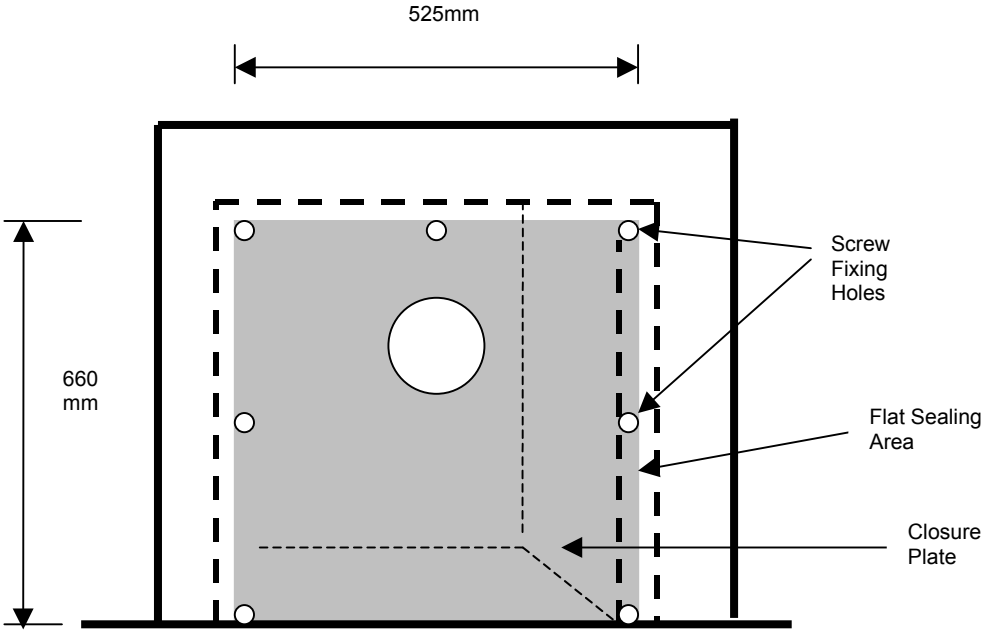
This gives a nominal void volume of **33.75 dm^3**.

The void volume must not exceed the dimensions stated above, or work out to more than **247 dm^3.**

INSTALLATION OF THE CLOSURE PLATE

When sealing the closure plate (which is supplied) to the wall, use the screws and Rawlplugs supplied. The foam seal which is supplied should be fitted to the rear of the closure plate to ensure an airtight seal is obtained between the closure plate and the flat sealing area of the wall. See diagram below.

Dimensions stated are for closure plate supplied

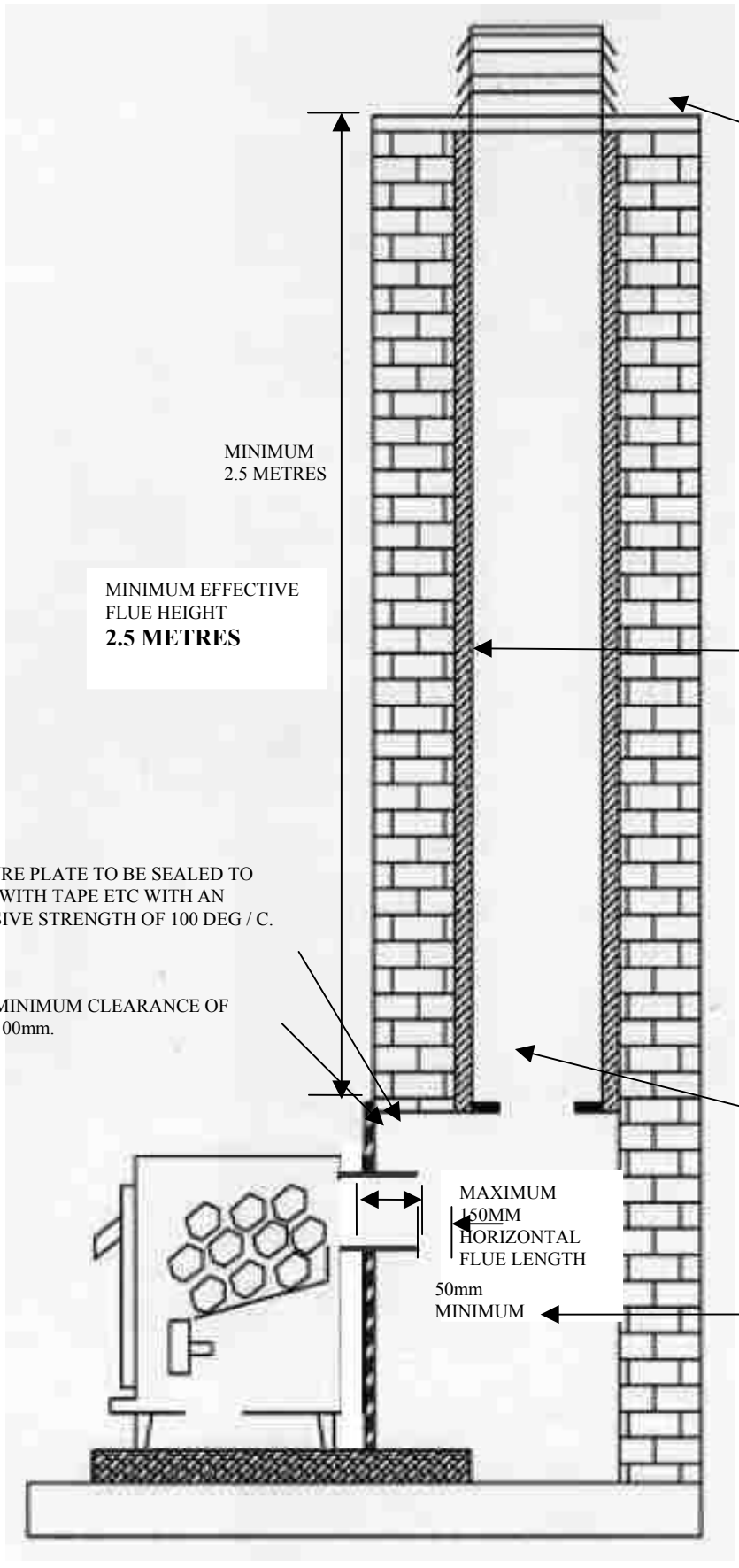


With the debris / register plate sealed into position and any sealing compound cured, and with the flue outlet spigot in the correct position, set the stove to its required position and insert and seal the flue pipe into the closure plate. Once this is complete, proceed with the connection of the gas supply, fuelbed layout and commissioning of the stove.

See page 31 for flue pipe/elbow options.

A closure plate and fixings are supplied with the product.

INSTALLATION OF AN INTREPID II GAS STOVE DIRECTLY VERTICAL VIA AN HORIZONTAL COLLAR THROUGH A CLOSURE PLATE INTO A BRICK OR STONE BUILT CHIMNEY WITH OR WITHOUT INTEGRAL CHIMNEY LINER.



2.8 DIRECTLY HORIZONTAL INSTALLATION OF STOVE INTO A PROPERTY BUILT WITHOUT CHIMNEY LINER, UTILISING A METAL FLUE PIPE.

If you require to fit the Intrepid II gas stove into a property without a stone or brick built chimney, you will need to fit sufficient length of flue pipe for clearance of the combustion products. This must be a minimum of 2.5 meters effective flue height / length. The flue pipe must also be a minimum of 5" (125mm) in diameter.

Any flue pipe fitted should be secured to the building in line with current building regulations.

The flue pipe can be purchased either from the manufacturer or from an external supplier of flue pipes. Any pipe used should conform to the requirements of BS 715.

A minimum effective flue height of 2.5m from the centre of the flue outlet spigot is required, and a flue terminal conforming to the requirements of BS 5440 : Part 1 will need to be fitted.

The flue spigot outlet has been fitted to the appliance from the factory in the vertical position, if you require to fit the flue pipe in the horizontal position, you must rotate the flue outlet spigot as shown on page 20 & 21.

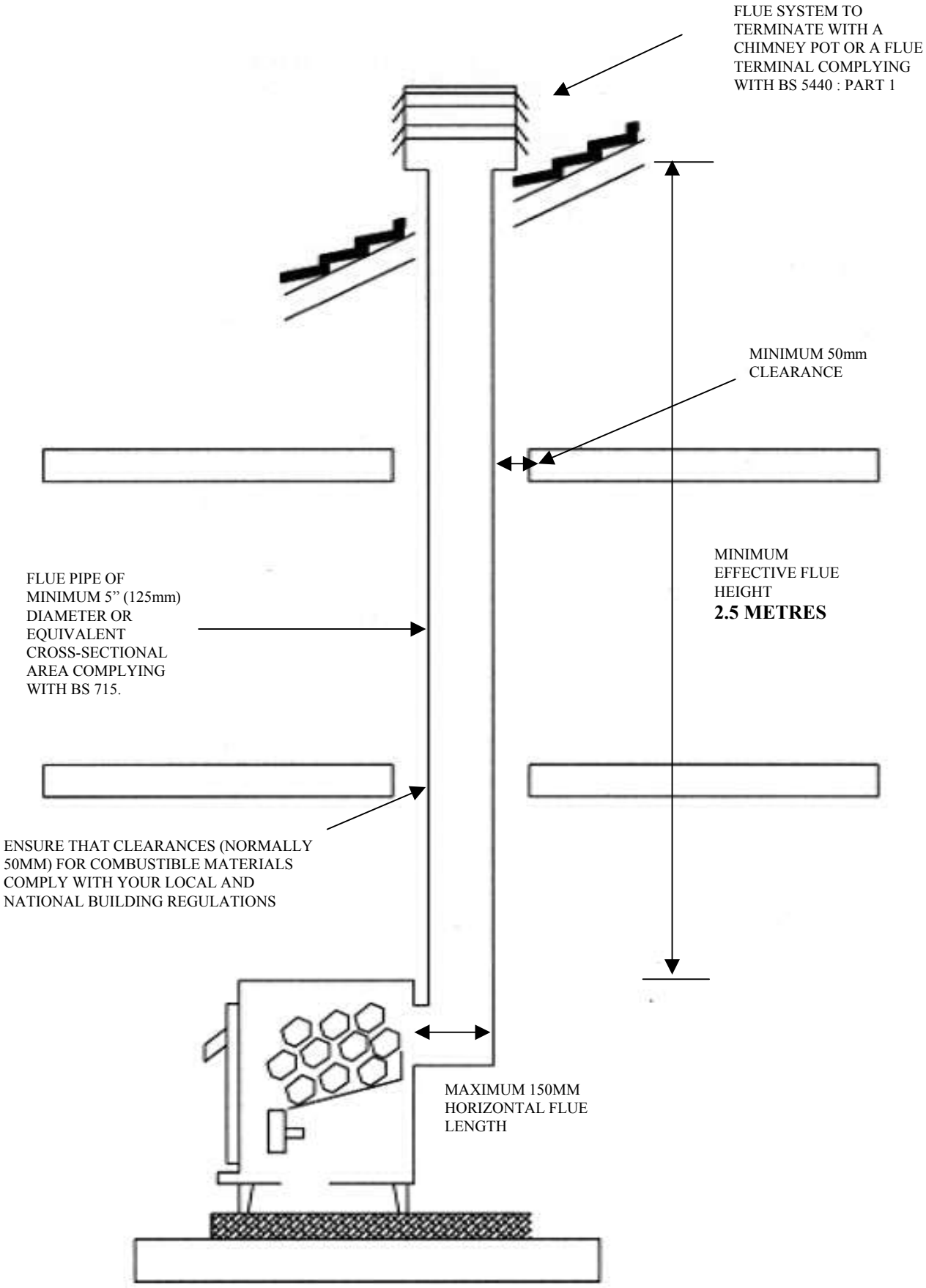
The flue will need to be tested for positive up-draught, as described on page 5, when the flue pipe is in place, before the stove is attached to it.

Once this is complete, proceed with the connection of the gas supply, fuelbed layout and commisioning of the stove.

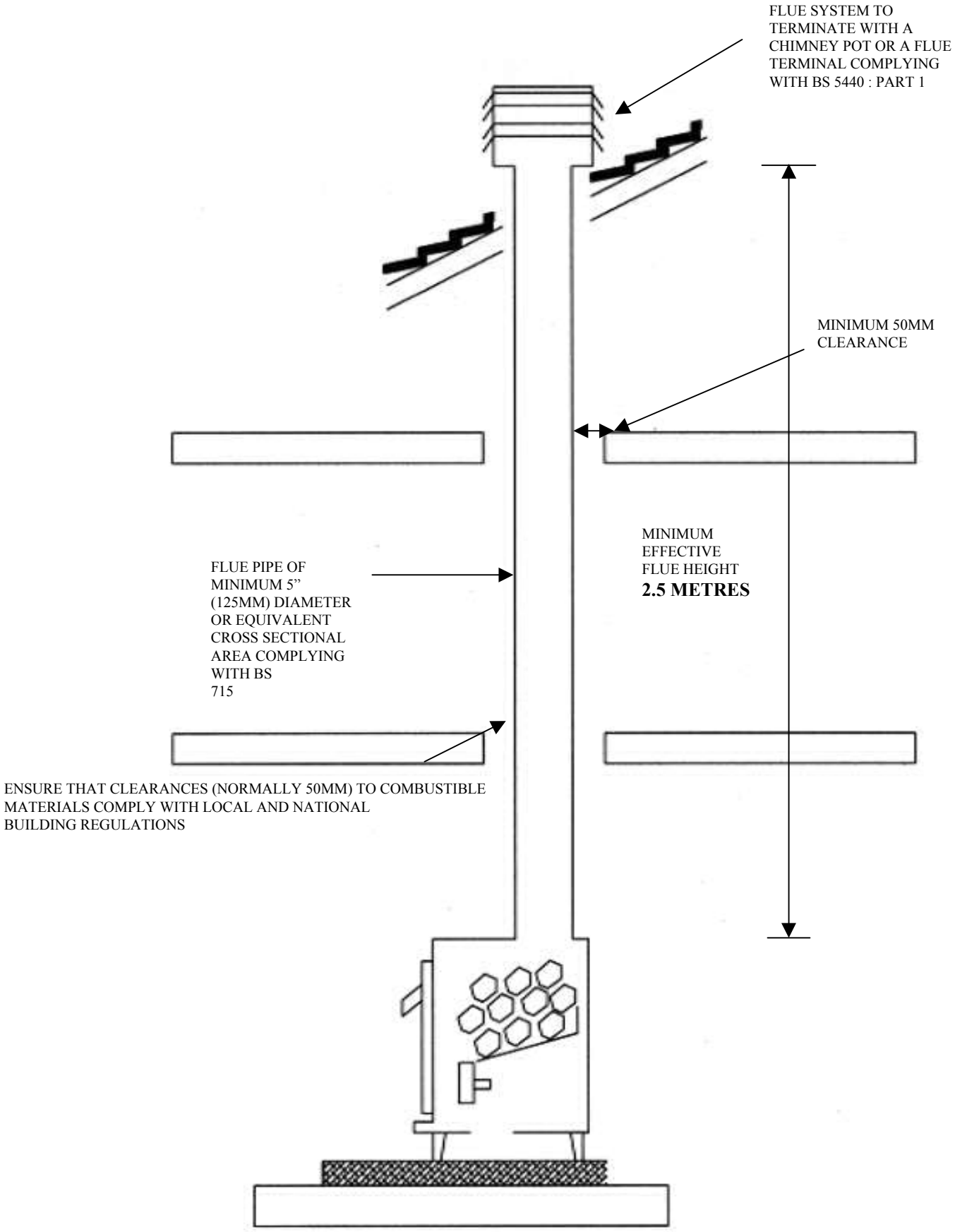
On the following pages, diagrams are shown to illustrate a installation in the **horizontal (page 18)** and **vertical** spigot position **(page 19)**

See page 31 for flue pipe/elbow options.

INSTALLATION OF AN INTREPID II GAS STOVE DIRECTLY VERTICAL VIA, A HORIZONTAL COLLAR FITTED WITH MINIMUM 5" (125mm) DIAMETER FLUE PIPE.



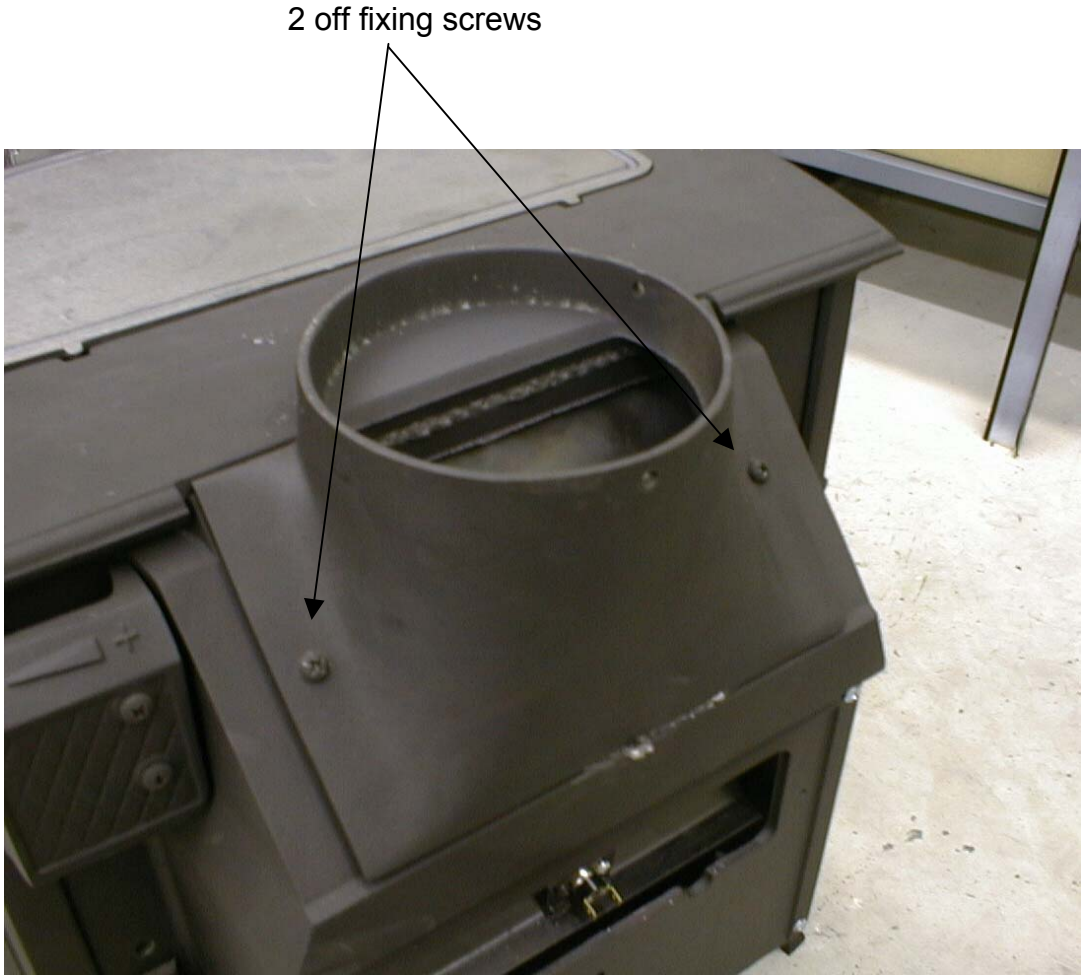
INSTALLATION OF AN INTREPID II GAS STOVE DIRECTLY VERTICAL, FITTED WITH MINIMUM 5” (125mm) DIAMETER FLUE PIPE



2.9 ROTATION OF THE FLUE COLLAR FROM THE FACTORY SET HORIZONTAL POSITION TO THE VERTICAL POSITION (IF REQUIRING TO INSTALL THE FLUE PIPE DIRECTLY VERTICAL).

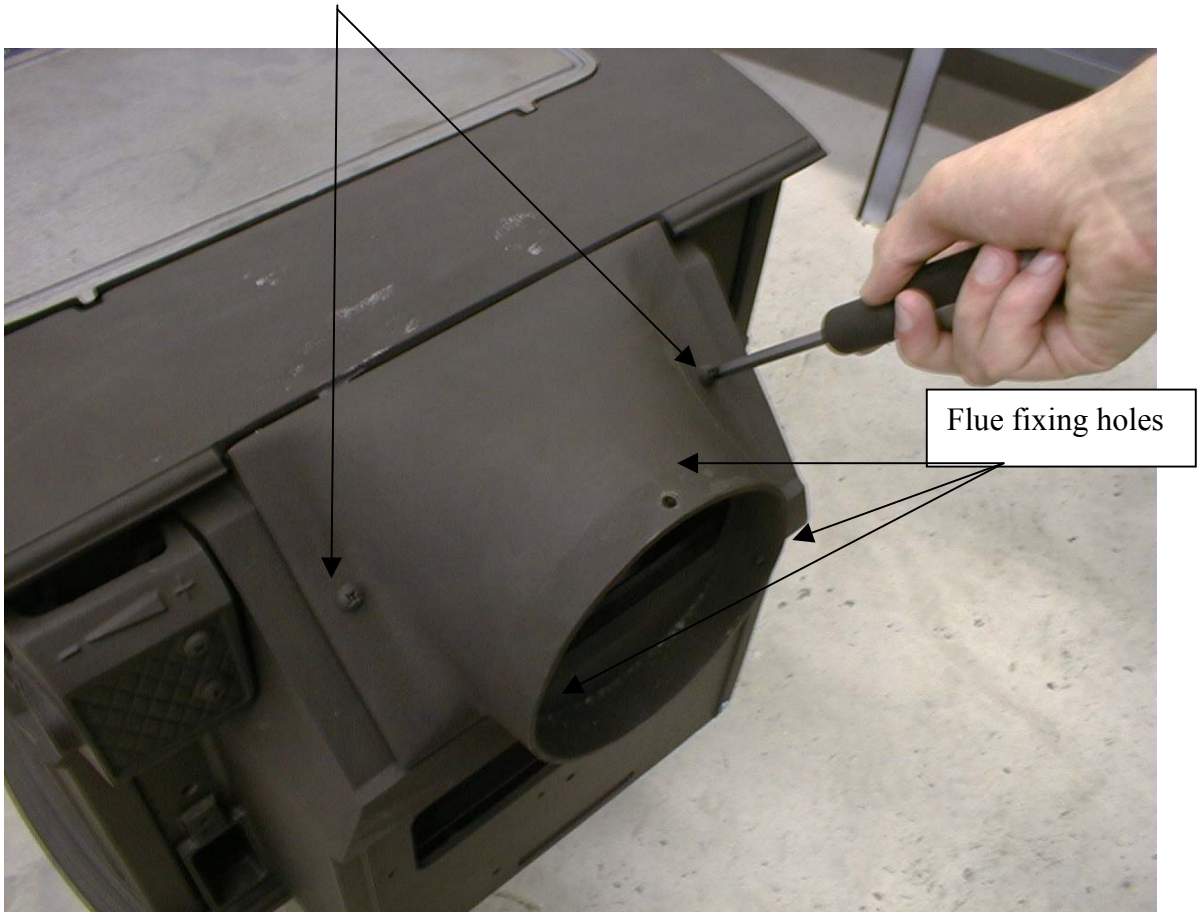
If you wish to install the flue pipe on the Intrepid II gas stove in the horizontal position, you will need to rotate the flue outlet spigot collar from the vertical position from which it is set at the factory to the horizontal position. To complete this please complete the following instructions :-

a) Remove the two fixing screws that hold the flue collar in position, as on the photograph below.



b) Take care to lift the flue spigot collar away from the stove. Rotate the flue spigot collar through 180 degrees clockwise, taking care not to damage the rope seal. Ensure that the rope seal is correctly positioned, when refitting to the appliance. (see photograph overpage).

Replace the two fixing screws as indicated.



2.10 FITTING THE FLUE PIPE OR ELBOW TO THE STOVE.

Three holes (6.5mm diameter) are located in the flue collar for fixing the flue pipe or elbow to the stove. (see above). Once the flue pipe is secure to the stove fire cement should be used to seal the flue pipe or elbow to the stove collar.

2.11 MAKING THE GAS CONNECTION

IMPORTANT NOTE : BEFORE BREAKING INTO THE GAS SUPPLY, A PRESSURE DROP TEST SHOULD BE CARRIED OUT TO ESTABLISH THAT THE EXISTING PIPEWORK IS SOUND.

The gas connection should be made to the appliance inlet elbow using 8mm rigid tubing. An isolating elbow or gas cock must be fitted to the pipe work as supplied.

Before making the final gas connection, thoroughly purge the gas supply pipe work to remove all foreign matter, otherwise serious damage may be caused to the gas control valve on the fire. Failure to comply with this procedure will invalidate the guarantee.

2.12 GAS SOUNDNESS AND BURNER PRESSURE

a) Remove the pressure test point screw from the inlet elbow and fit a manometer.

b) Turn on the main gas supply and carry out a gas soundness test.

c) Depress the control knob and turn anti-clockwise to the position marked pilot. The pilot should ignite, if it fails to ignite continue to hold in the control knob for a few seconds to purge the pipe work then repeat the ignition. After the pilot has ignited continue to hold in the control for a few seconds and release. Turn the control knob to the full position, the burner should light.

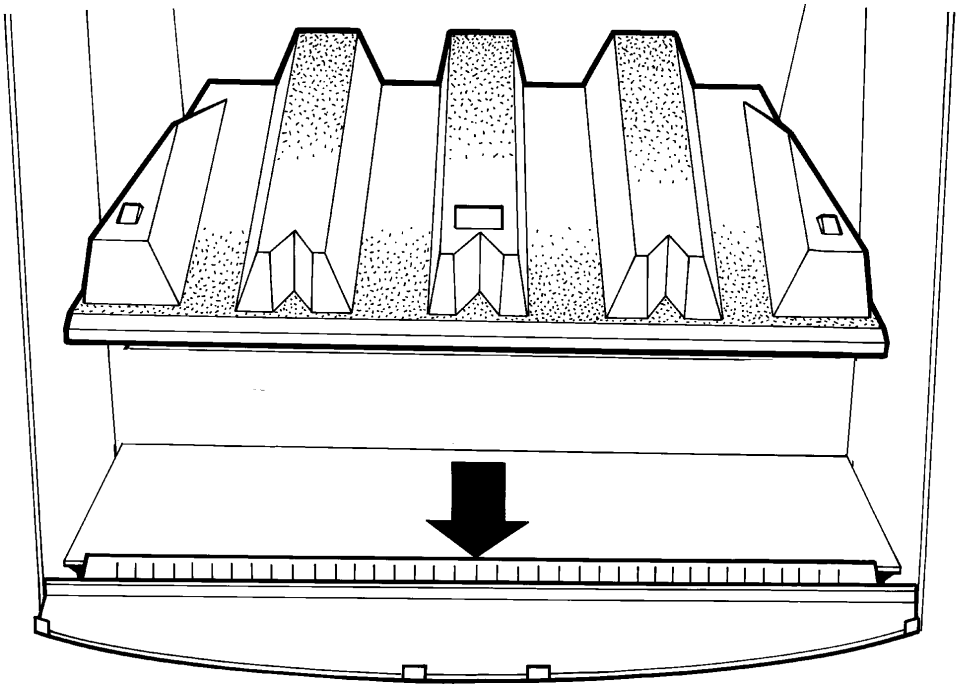
d) Check that the gas pressure is 20 mbar (+/- 1.0mbar)
8.0 in w.g.(+/- 0.3 in w.g.) for Nat gas and (37mbars+/-1.0mbar LPG) (14.8 +/- 0.4 in w.g.) for Propane, with the stove running.

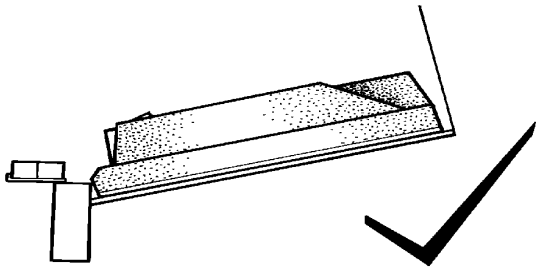
e) Turn off the stove, remove the manometer and refit the pressure test point screw. Check the pressure test point screw for gas soundness with the appliance turned on using a suitable leak detection fluid or detector.

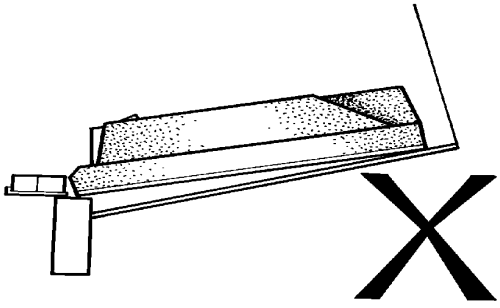
SECTION 3
ASSEMBLING THE CERAMICS AND FUEL BED

The following ceramic components should be in the pack : 1 off fuelbed base, 1 off left hand ceramic front rail, 1 off right hand ceramic front rail, 1 off left hand ceramic fuelbed overlay, 1 off right ceramic fuelbed overlay, 18 off large ceramic coals, 5 off small ceramic coals.

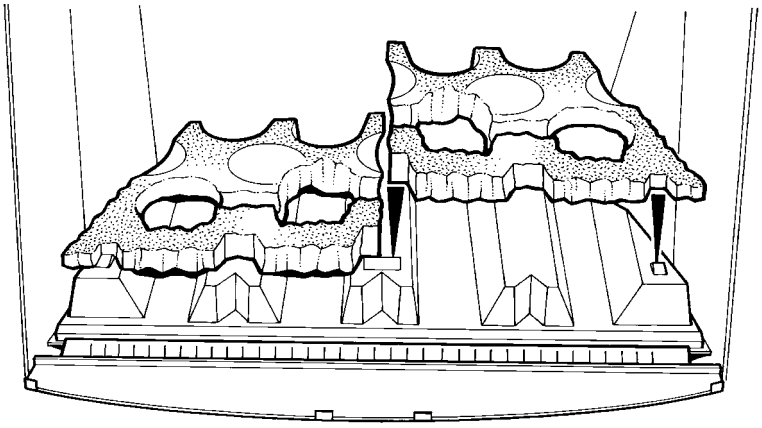
a) Place the hard ceramic fuelbed base centrally on to the fuelbed support, and pull fully forwards to the burner. Make sure that the ceramic base is located centrally. **Ensure that it fits fully down onto the support and is not lodged on the burner. See below.**



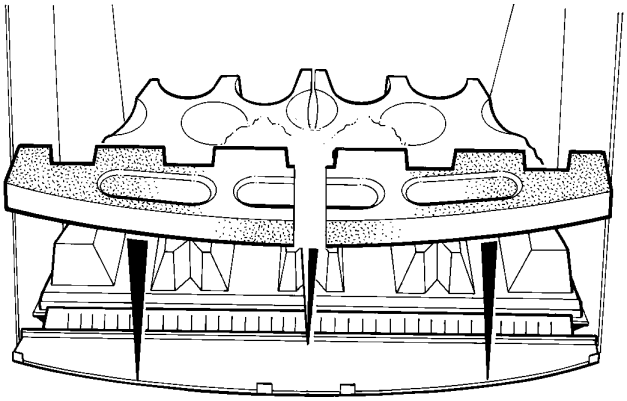




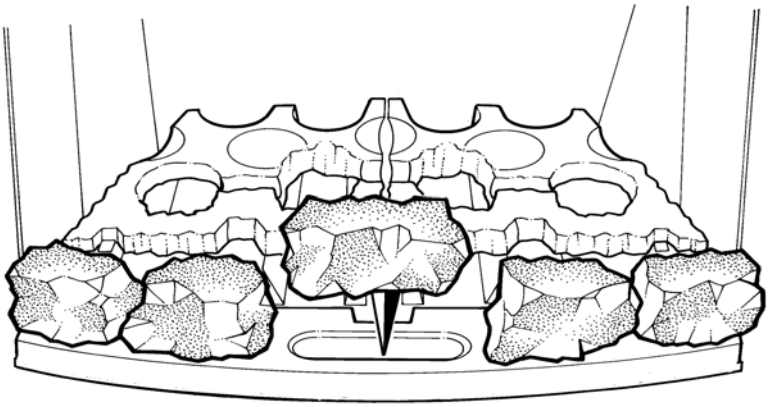
b) Place both the hard ceramic fuel bed sections on to the base so that the location lugs fit snugly into the recesses on the fuel bed sections.



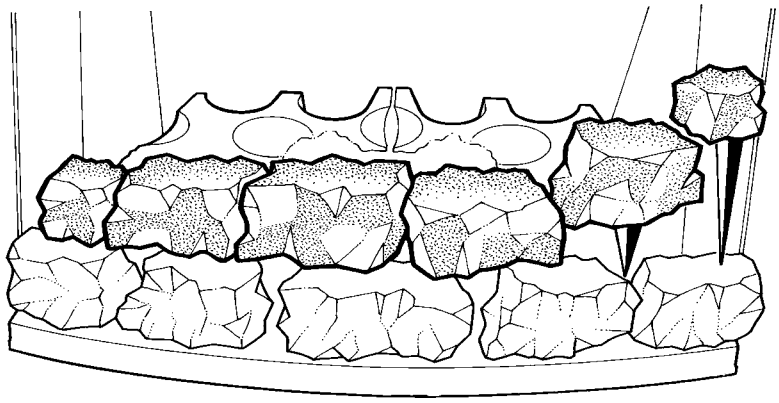
c) Place the Front Ceramic Rails centrally onto the Semi-Circular location plate situated at the front of the burner. Ensure that the front ceramic rails are located over the front edge. (see below)



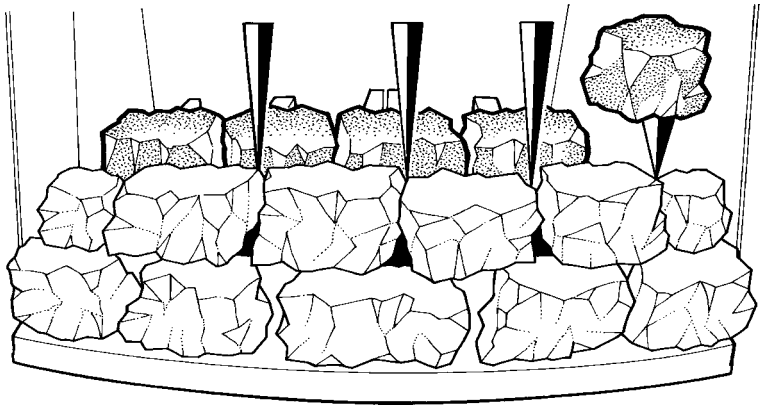
d) Select five of the large coals and locate each one centrally into the depressions in the Front Ceramic Rail. Ensure that the coals are equally spaced as shown below.



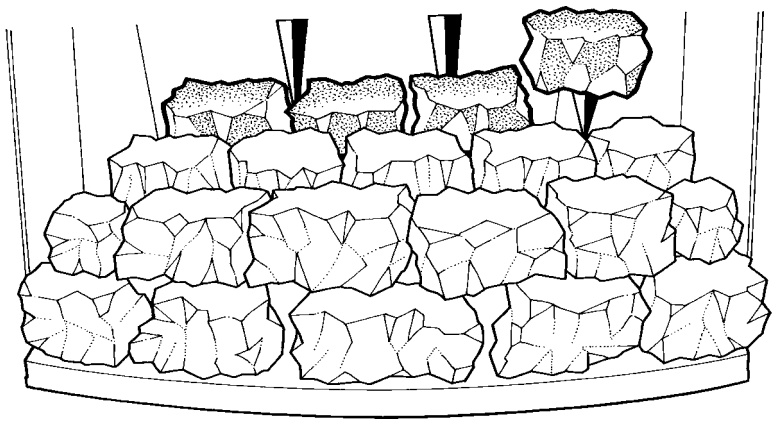
e) Select four of the large coals and two small coals, and place them on the front of the fuel bed directly behind the spaces between the front row of coals.



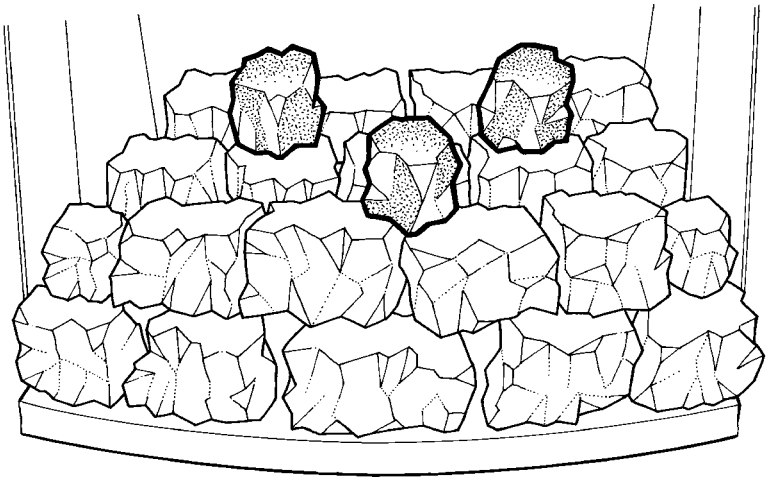
f) Place a row of five large coals to occupy the spaces behind the second row of coals.



g) Place the remaining four large coals as shown below (Taking care not to allow the coals to be trapped behind the fuelbed):-



h) Place the remaining three small coals as shown below:-



i) Finally, shut the doors on the stove. Once the doors have been shut the handle should be facing downward or similar.

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

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

Coals are made from a form of refractory ceramic fibre and should be handled carefully to avoid generating dust, as this may be harmful if inhaled. As with some other fibrous materials, handling coals without gloves could cause skin irritation. None of these parts must be washed or exposed to any cleaning agents or water.

3.2 LIGHTING THE APPLIANCE

a) Turn on the gas isolation tap.

b) Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to purge the pipe work.

c) Repeat until the pilot ignites. (located to the lower left window). Continue to hold the control knob for 5-10 seconds to allow the thermocouple to heat up, if the pilot goes out when the control knob is released, repeat the lighting sequence.

d) Turn the control knob in the anti-clockwise direction to the high position and the main burner will light.

e) Turn the control knob clockwise to the low position and the gas input will be reduced to the minimum setting.

f) Slightly depress the control knob and turn to the pilot position, the main burner will go out but the pilot will remain lit.

g) Slightly depress the control knob and turn to the off position, the pilot will now be extinguished.

IF PROLONGED ATTEMPTS TO LIGHT THE FIRE ARE UNSUCCESSFUL, PLEASE CONTACT THE MANUFACTURER ON THE NO. SHOWN ON THE REAR PAGE TO ARRANGE A SERVICE VISIT.

3.3 CHECKING FOR CLEARANCE OF COMBUSTION PRODUCTS

a) Close all doors and windows in the room.

b) Light the stove and allow to run for approximately 5 minutes on high position.

c) After approximately 5 minutes hold a smoke match just inside (approx. 20mm) and below the centre of the draft diverter at the rear of the stove (see photo overpage). All smoke generated should be drawn back into the flue. If slight spillage occurs or if in doubt, repeat the test after a further 5-10 minutes.

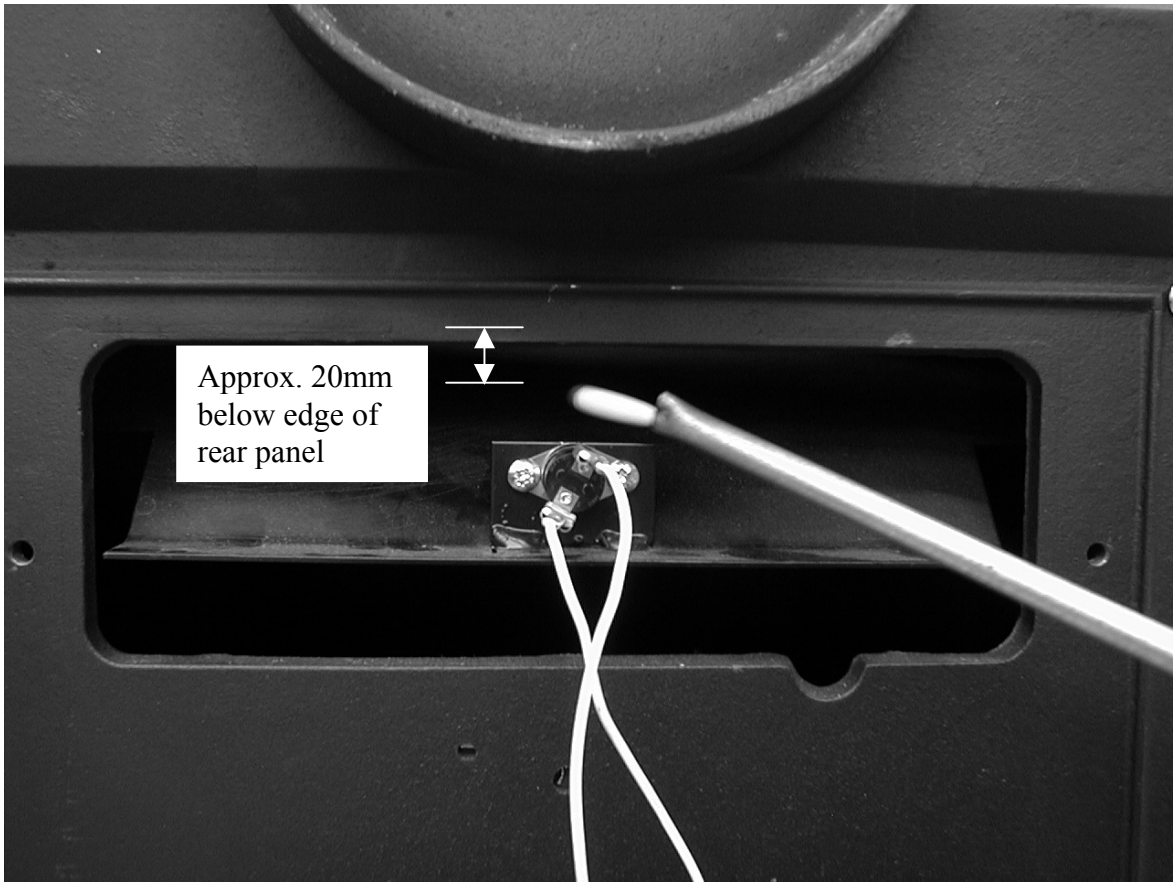
d) If spillage persists, the flue is not functioning correctly and a fault exists. If, after investigation the fault cannot be traced and rectified, the stove must be disconnected from the gas supply and expert advice obtained.

e) If there is an extractor fan fitted any where in the vicinity of the appliance, the test should be repeated with the fan running on maximum and all interconnecting doors open.

f) After ensuring that the stove is safe to use it should be left on high position to fully warm up. During this time a slight odour may be noticed, this is due to the “newness” of the stove and will soon disappear.

Finally, hand the instructions over to the customer and explain the operation of the stove.

Position of Smoke Match for Spillage Check – Section (c) page 27



SECTION 4
MAINTENANCE

Servicing Notes

- Servicing should be carried out annually by a competent person such as a CORGI registered engineer.
- Inspect the general installation of the appliance.
- Isolate the gas supply before working on the appliance.
- Check the condition of the door gaskets.
- The condition of the coals should be checked and **if necessary the whole set should be replaced with a genuine replacement set.**
- Carefully remove the fuelbed and brush away any debris.

4.1 Removing the burner assembly from the stove.

4.1.1 Use the handle provided to open the stove doors. Remove the loose coals from the fuel bed and front ceramic rail. Remove the front ceramic from the rail. Remove the fuelbed from the fuelbed support. Unscrew the two pozi-driv fixing screws which secure the burner heat shield and remove it from the burner.

4.1.2 Isolate the gas supply and remove the inlet pipe from the inlet elbow (it may be necessary to remove the controls cover plate from the stove. To do this, loosen the two fixing screws but do not remove from behind the controls cover plate and slide it toward you).

4.1.3 Disconnect the fixing nut from the injector block elbow. Unscrew the two fixing screws at the front of the burner.

4.1.4 Remove the two fixing screws which secure the pilot assembly to the burner. Lift the burner towards you and then tilt to remove from the stove. Re-assemble in reverse order.

4.2 Removing the control tap from the stove.

4.2.1 Remove the two screws from behind the controls cover plate and slide it forwards isolate the gas supply and remove the inlet pipe from the inlet elbow.

4.2.3 Loosen and remove the three gas pipe retaining nuts from the control tap and release the end of the gas pipes from the control tap body. Loosen and remove the thermocouple securing nut from the end of the control tap.

4.2.4 Pull the HT lead and control knob from the control valve. Unscrew the control tap locknut from the front of the control panel and remove the control tap.

4.2.5 To refit a control tap, re-assemble in reverse order noting that the control tap locates with a flat in the control panel. Carry out a gas soundness test after re-assembly.

4.3 Removing the Oxy-Pilot Assembly

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

4.3.1 Use the handle provided to open the stove doors. Remove the loose coals from the fuel bed and front ceramic rail. Remove the front ceramic from the rail. Remove the fuelbed from the fuelbed support. Unscrew the two pozi-driv fixing screws which secure the burner heat shield and remove it from the burner.

4.3.2 Unscrew and remove the two pozi-driv screws which secure the pilot assembly to the burner. Disconnect the two leads which connect the pilot to the spillage detection switch at the rear of the stove

4.3.3 Unscrew and remove the gas supply nut from the pilot.

4.3.4 Unscrew and remove the thermocouple retaining nut from the end of the control valve and disconnect the ignition lead from the pilot electrode. Remove the pilot.

4.3.5 Reassemble in reverse order and carry out a gas soundness test.

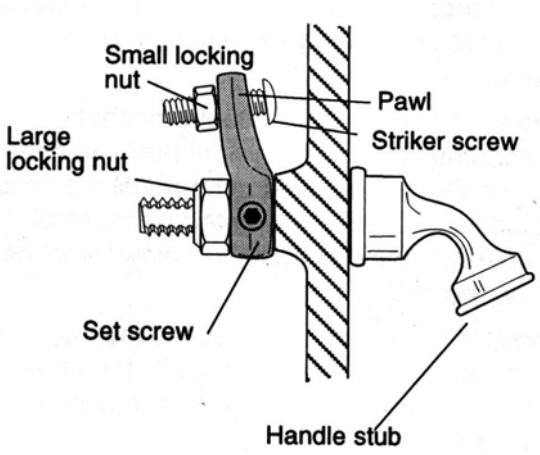
4.4 Removing the spillage detection switch.

4.4.1 Disconnect the two leads which connect the switch to the pilot assembly underneath the stove. Unscrew the two fixing screws securing the switch to the draft diverter. Re-assemble in reverse order.

4.5 How to Adjust the Door Latch

Over time, the gasket around the doors will compress, and the latch may need adjustment. To adjust the latch, loosen the small locking nut, extend the striker screw one turn with an allen key. (supplied with stove). And retighten the small locking nut while keeping the striker screw from turning. See diagram. Keep making adjustments a little at a time until the setting is correct.

The front doors of the stove should close securely and tightly, when the handle is in the closed position. When the latch is properly adjusted, there should be a slight resistance as the doors are moved to the completely closed position.



4.6 FLUE PIPE OPTIONS

Stove Pipe Options

Listed below are the stove pipe options that are available for the Intrepid II gas stove.

Enamelled stove pipe 6 inch.

Part No.	Description
0003601	6 in. x 12 in. Red
0003602	6 in. x 12 in. Sand
0003604	6 in. x 12 in. Forest Green
0003605	6 in. x 12 in. Blue
0003611	6 in. x 24 in. Red
0003612	6 in. x 24 in. Sand
0003614	6 in. x 24 in. Midnight
0003615	6 in. x 24 in. Forest green
0003620	6 in. x 24 in. Blue
0003621	6 in. x 90 degree elbow Red
0003622	6 in. x 90 degree elbow Sand
0003630	6 in. x 90 degree elbow Blue
0003624	6 in. x 90 degree elbow Midnight
0003625	6 in. x 90 degree elbow Green
0003641	6 in. x 45 degree elbow Red
0003642	6 in. x 45 degree elbow Sand
0003644	6 in. x 45 degree elbow Midnight
0003645	6 in. x 45 degree elbow Forest Green
0003650	6 in. x 45 degree elbow Blue
0003631	6 in. Slip pipe Red (1.25in.-17in)
0003632	6 in. Slip pipe Midnight (1.25in.-17in)
0003634	6 in. Slip pipe Sand (1.25in.-17in)
0003640	6 in. Slip pipe Forest green (1.25in.-17in)
0003635	6 in. Slip pipe Blue (1.25in.-17in)

Matt Black Stovepipe 6 inch

9005000	6 in. x 1000mm
9005001	6 in. x 500mm
9005002	6 in. x 250mm
9005003	6 in. x 1000mm with door
9005004	6 in. x 500mm with door
9005005	6 in. x 45 degree elbow with door
9005006	6 in. x 90 degree Tee-piece
9005007	6 in. x End cap and clip for Tee-piece
9005008	6 in. x 75mm Vermont castings starter adaptor.

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

PARTS SHORTLIST

Gas Valve / Integral Piezo Unit	**B-39580**
Ceramic Set	**B-17350**
Coal Set	**B-17860**
Fuelbed Insulating Mat	**100-1510**
ODS Pilot Assy. (NG)	**B-19660**
ODS Pilot Assy. (LPG)	**B-19670**
Thermal Cut Out	**B-39640**

Part no. V10-39650 Issue 12

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