

WARNING

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Rayburn P.J.

Oil fired cooker

**Optional low-level flue kit
for later, kerosene models fitted
with Monoflame burners**

THE RAYBURN P. J. LOW LEVEL FLUE

In addition to the conventionally flued Rayburn PJ oil fired central heating cooker the Rayburn PJ now has a low level flue option. This facility will enable the product to be installed without the need for a conventional chimney.

DESIGN AND CONSTRUCTION FEATURES

- **No chimney required.**
- **Will fit standard Rayburn PJ with MONOFLAME burner.**
- **Low Level Flue kit can be purchased independent of cooker.**
- **Two models to cover wall thicknesses from 9" (228mm) to 24" (610mm).**
- **Flue terminal fitted above head height for safe removal of flue gases.**
- **Removes oven condensation.**
- **High quality vitreous enamelled flue pipe to complement cooker.**
- **Weather resistant stainless steel terminal.**
- **Simple Installation.**
- **Easy servicing.**

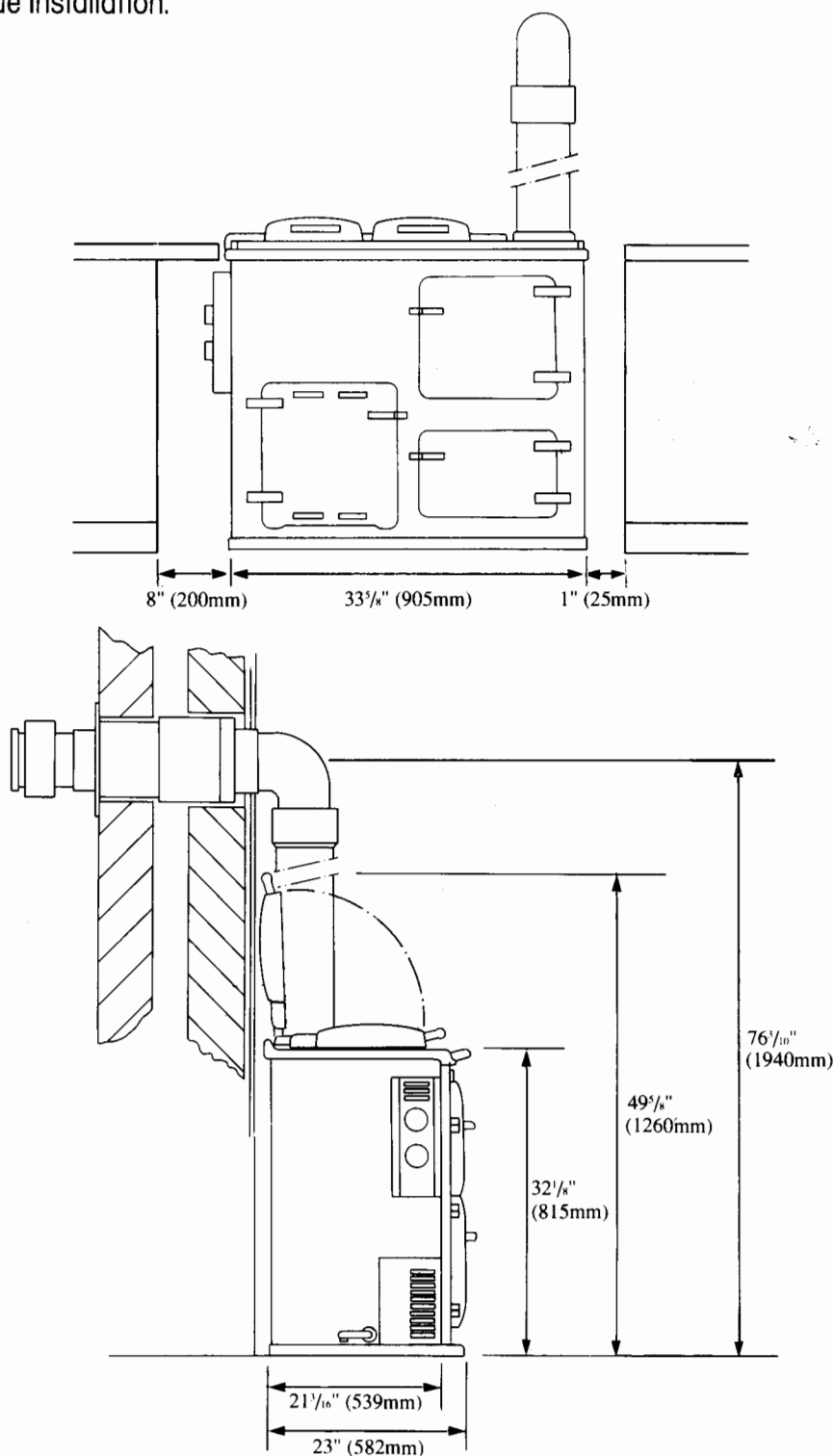
The low level flue is delivered in separate packaging to fit the standard Rayburn PJ unit and consists of:

- 1 - 6" (150mm) diameter black vitreous enamel pipe
- 1 - 6" (150mm) diameter black vitreous enamel 90° bend
- 1 - Telescopic flue terminal (two sizes available)
 - A. 9" (228mm)-14" (356mm) wall thickness
 - B. 15" (381mm)-24" (610mm) wall thickness
- 1 - 6" (150mm) Flue spigot and adaptor assembly
- 1 - Fitting instructions

LOW LEVEL FLUE SPECIFICATION

Installation

The installation must conform to relevant Building Regulations, Codes of Practice and manufacturers Installation Instructions. The following schematic layout details the low level flue installation.



Rayburn

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A member of the Glynwed International plc group of companies.

YOUR RAYBURN STOCKIST

RAYBURN

Monoflame Model

Installation Instructions for Rayburn PJ Central Heating Cooker Low Level Flue

FOR 9-14" & 14-24" WALLS

Consumer Protection Act 1987

As manufacturers and suppliers of cooking and heating products, in compliance with Section 10 of the Consumer Protection Act 1987. We take every care to ensure, as far as is reasonably practicable, that these products are so designed and constructed as to meet the general safety requirement when properly used and installed. To this end, our products are thoroughly tested and examined before despatch.

IMPORTANT NOTICE: Any alteration that is not approved by Rayburn, could invalidate the approval of the appliance, the warranty and could also infringe the current issue of the statutory requirements.

Control of Substances – Health and Safety

Important:

This appliance could contain any of the materials that are indicated

below. It is the Users/Installers responsibility to ensure that the necessary personal protective clothing is worn when handling, where applicable, the pertinent parts that contain any of the listed materials that could be interpreted as being injurious to health and safety. see below for information.

Firebricks, Fuel beds, Artificial Fuels – when handling use disposable gloves.

Fire cement – when handling use disposable gloves.

Glues and sealants – exercise caution – if these are still in liquid form use face mask and disposable gloves.

Glass Yarn, Mineral Wool, Insulation Pads, Ceramic Fibre, Kerosene Oil – may be harmful if inhaled, may be irritating to skin, eyes, nose and throat. When handling avoid inhaling and contact with skin or eyes. Use disposable gloves, face masks and eye protection. After handling wash hands and other exposed parts. When disposing of the product reduce dust with water spray, ensure that parts are securely wrapped.

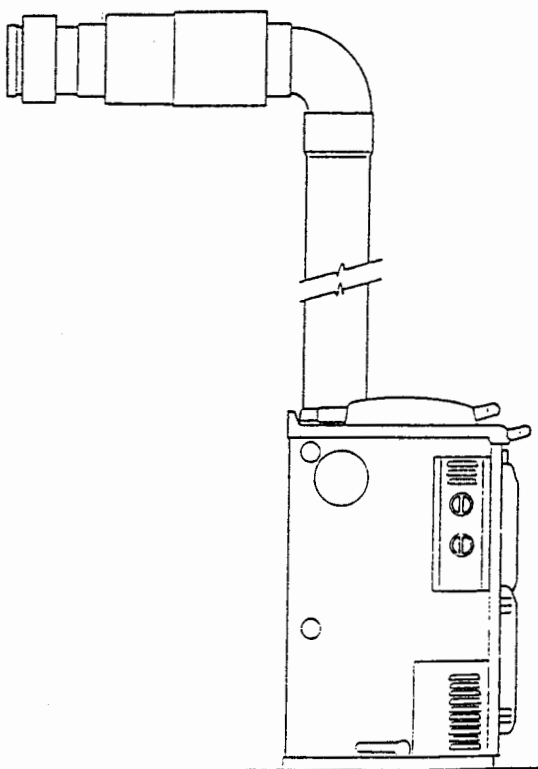
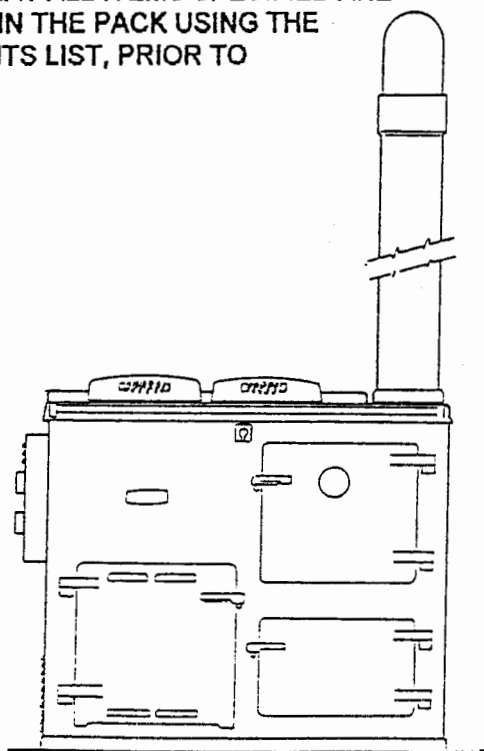
INTRODUCTION

The Rayburn PJ Cooker requires a minimum of 3' of vertical flue for satisfactory operation. However additional vertical lengths are accessible and may be necessary to ensure terminal clearances.

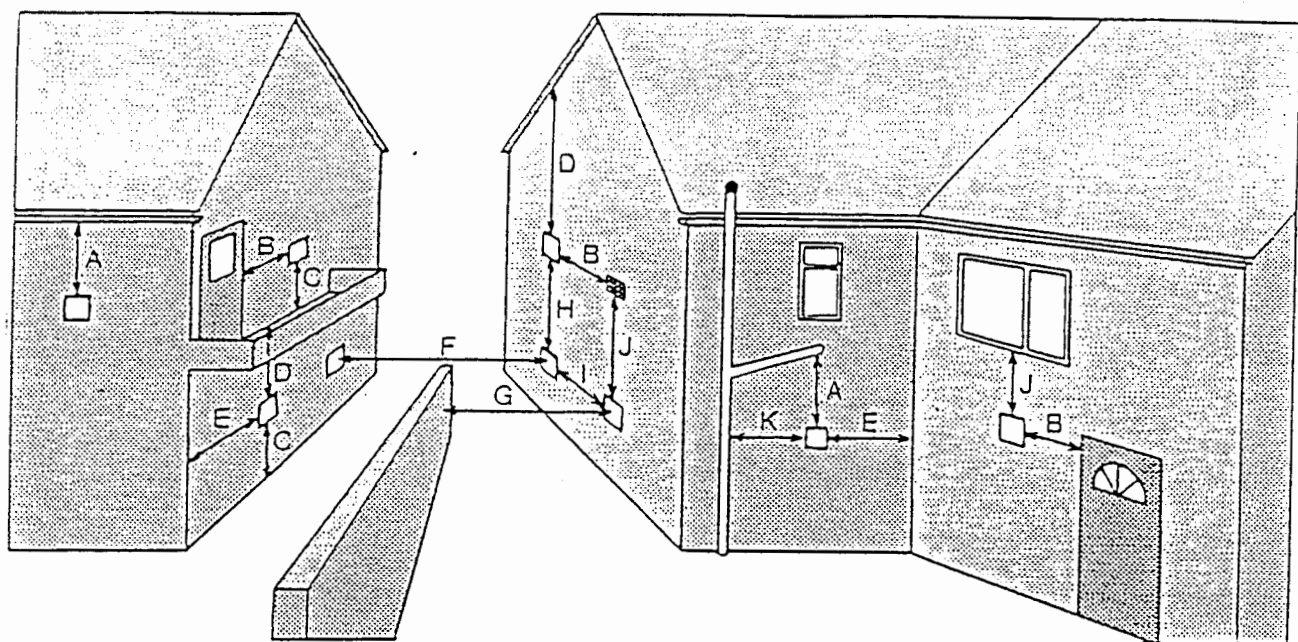
The flue discharge if required can be turned through 90° to exit on the right hand wall at the side of the appliance.

NOTE: ENSURE THAT ALL ITEMS SPECIFIED ARE CONTAINED WITHIN THE PACK USING THE CARTON CONTENTS LIST, PRIOR TO INSTALLATION.

IMPORTANT THE POSITION OF THE TERMINAL IS STRICTLY REGULATED BY BUILDING REGULATIONS AND BRITISH STANDARDS. CLEARANCES FROM THE TERMINAL TO WINDOWS ETC, MUST BE ADHERED TO AND ARE SHOWN IN FIG. 1.



Site requirements



- A Below a gutter or sanitary pipework

B Horizontal from opening, airbrick, window etc.

C Above ground or balcony level

D Below eaves or balcony

E From an internal or external corner

F From a terminal facing a terminal
- G From a surface facing the terminal

H Vertical from terminals on the same wall

I Horizontal from terminals on the same wall

J Below an opening, airbrick, window etc.

K From vertical sanitary pipework

FIG 1

CLEARANCES REQUIRED AROUND BALANCED AND LOW LEVEL DISCHARGE FLUES FITTED TO OIL FIRED BOILERS

	A	B	C	D	E	F	G	H	I	J	K
Building Regulations											
England and Wales 1990	-	600	-	-	600	-	-	-	-	600	-
Scotland 1990	600	-	600	600	600	600	600	1500	600	600	600
Low Level*	1000	-	600	1000	600	600	600	1500	600	600	1000
Northern Ireland 1990	-	600	-	-	600	-	-	-	-	600	-
British Standard											
BS 5410 Part 1 1977	600	600	600	600	600	-	-	-	-	600	600

* Where the terminal is within 1 metre of any plastic material, such material should be protected from the effects of combustion products of the fuel.

There are additional general requirements in most Regulations and Standards that the flue must be positioned so that it does not cause a nuisance and permits the dispersal of combustion products.

LOCATION

With the aid of the "Cooker Installation Instructions" and Fig 2 of the "Low Level Flue Instruction" ensure all minimum clearances for the cooker and terminal are adhered to.

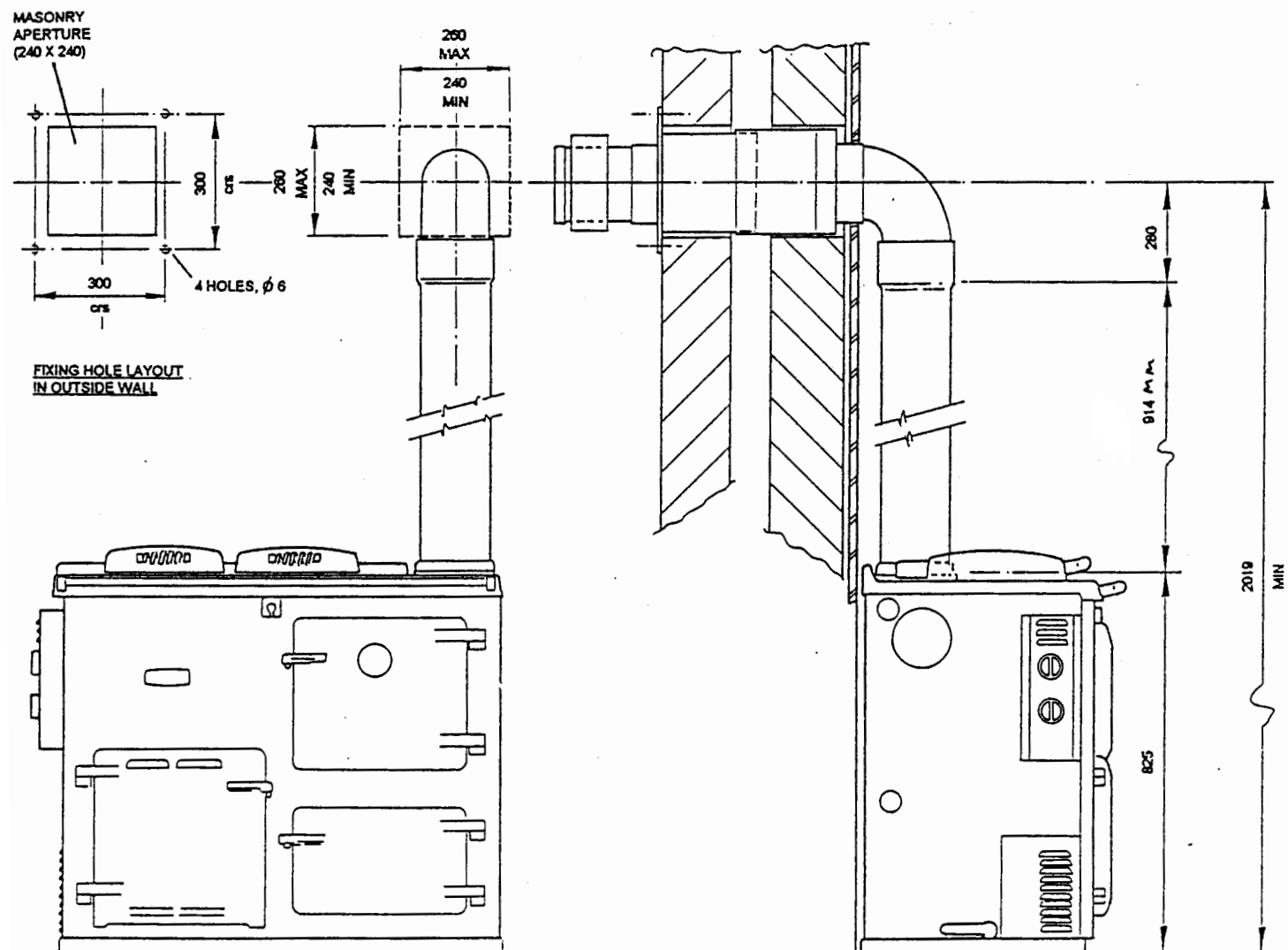
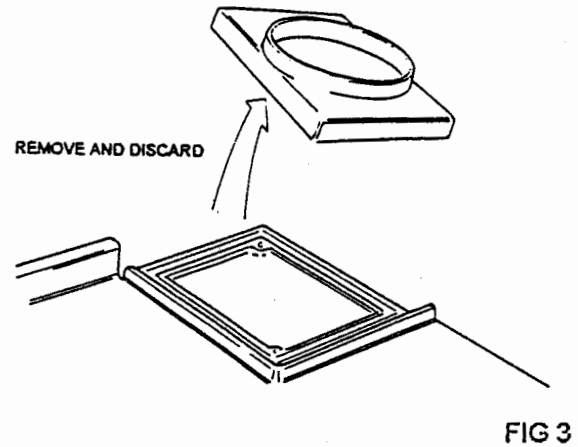


FIG 2

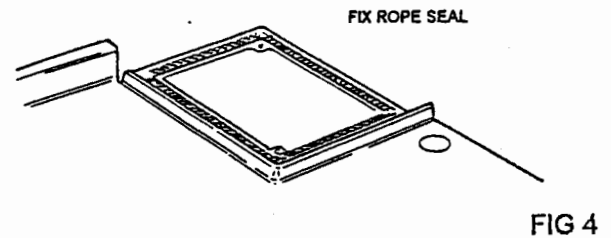
Installation Instructions

FLUE OUTLET

With the cooker in position remove the cooker flue spigot held with the screws (retain screws) and discard (see fig 3).

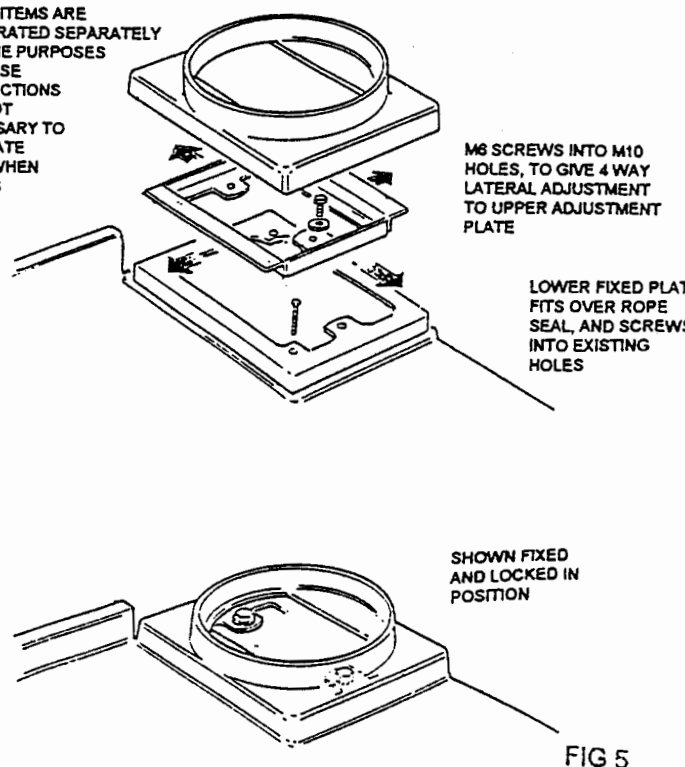


Remove the old fire cement from trough and fit new rope seal (13mm dia) (see fig 4).



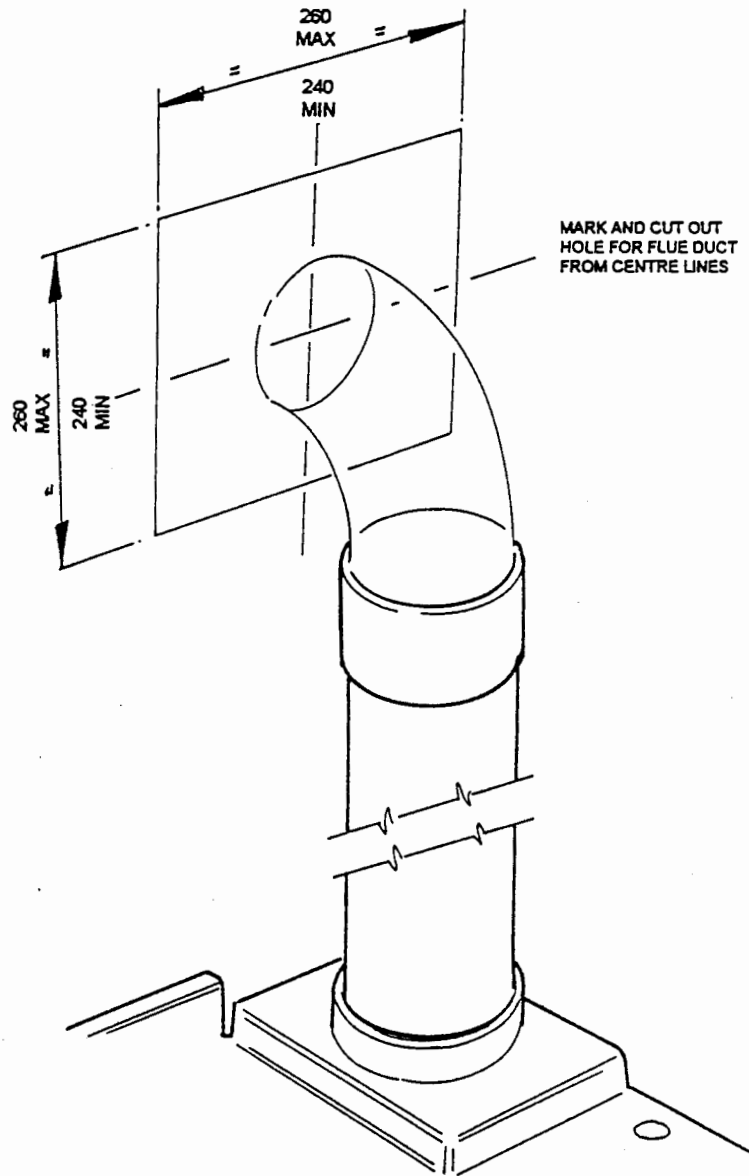
Fit new lower fixed plate over rope seal and secure into existing holes with screws (see fig 5). Loosely fit the upper adjustment plate and new flue 6" spigot assembly as shown in (fig 5) and lock in required position.

THESE ITEMS ARE ILLUSTRATED SEPARATELY FOR THE PURPOSES OF THESE INSTRUCTIONS IT IS NOT NECESSARY TO SEPARATE THEM WHEN FITTING



CUT HOLE IN WALL

**IMPORTANT BEFORE PROCEEDING ENSURE
TERMINAL CLEARANCES ARE CORRECT (SEE
FIG. 1).**



Loosely fit the vertical flue pipe and elbow in position and mark the centre line for the hole in wall (see diagram fig 6). Mark and cut out a square hole to take flue duct.

FIG 6

Installation Instructions

ADJUSTING FLUE TO WALL THICKNESS

The maximum flue length is 14" (355mm) or 24" (610mm).

Measure the wall thickness minus the depth of plaster, see (fig 7).

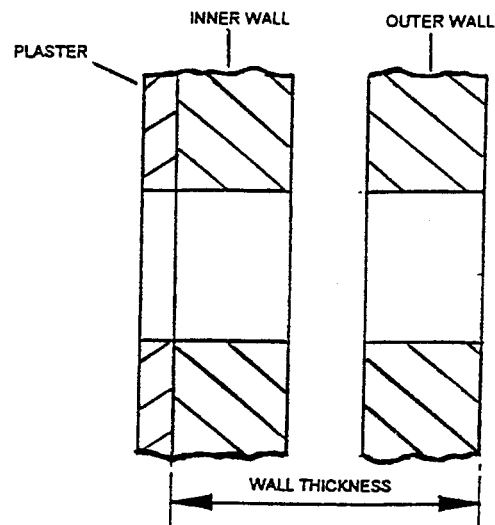


FIG 7

Remove screws slide ducts to required wall thickness (see fig 8) unwanted mesh will protrude through end.

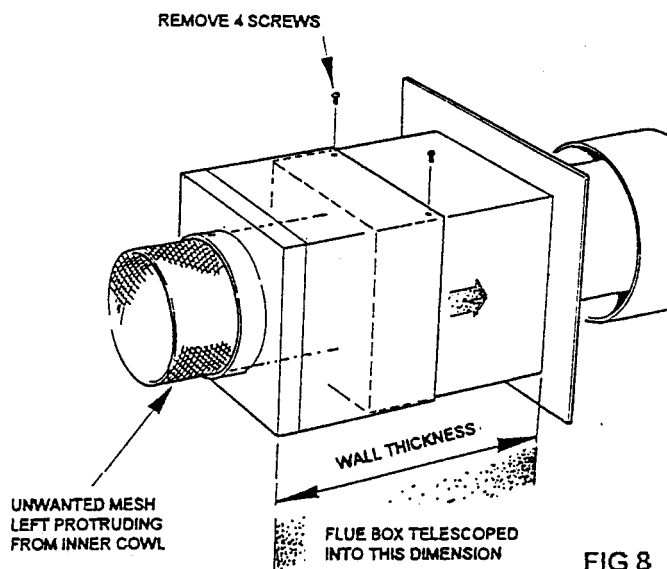


FIG 8

Drill four holes and secure duct with screw previously removed, in new position and seal with tape. (See fig 9).

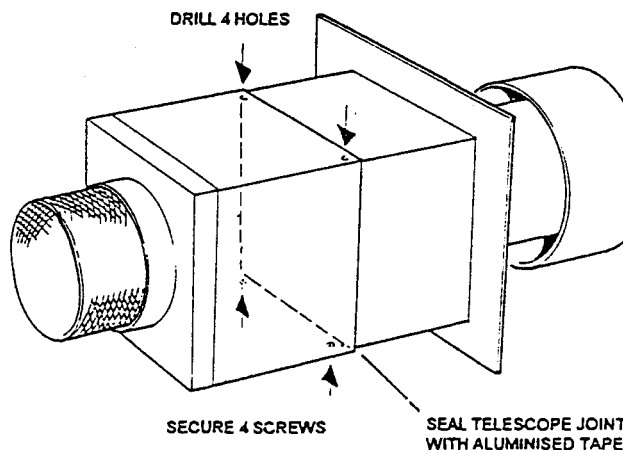
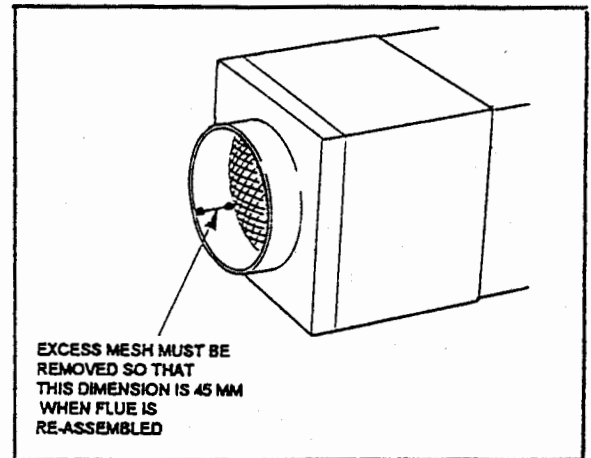
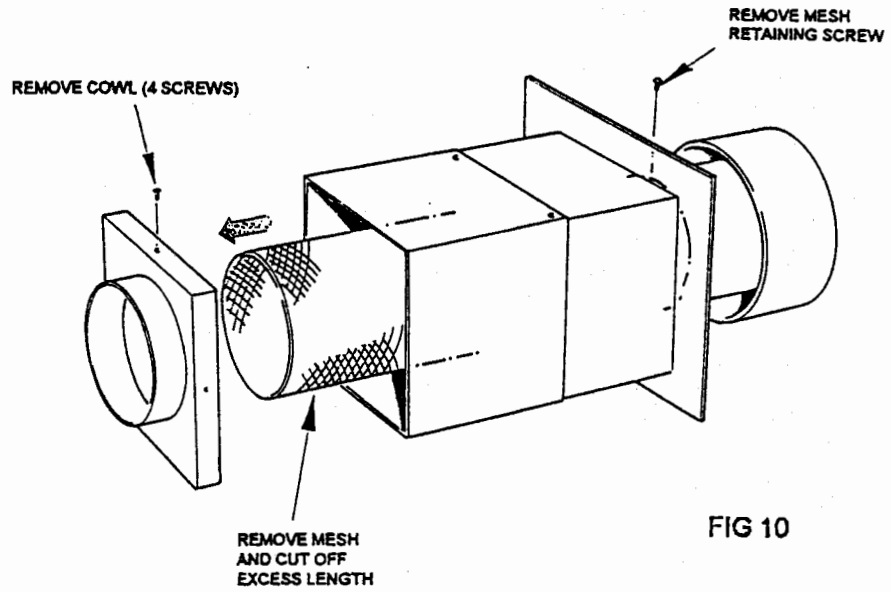


FIG 9

Installation Instructions

Remove end cowl and cut off excessive unwanted mesh (see fig 10) to 45mm from end cowl collar.



Re-assemble mesh to Duct. Fill Flue Duct with insulating material supplied and fit end cowl with screws previously removed (Fig. 11).

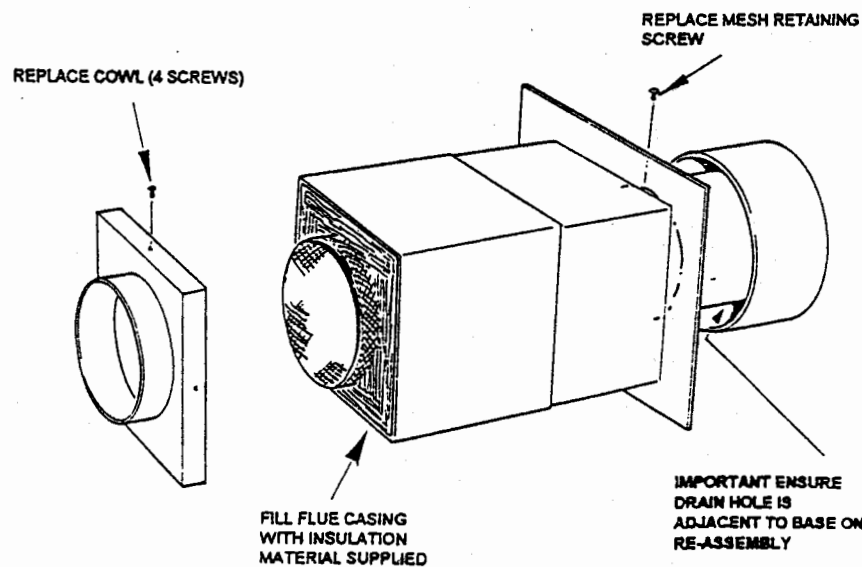


FIG 11

Installation Instructions

FITTING FLUE DUCT IN WALL

Slide the flue duct from the outside and fix to wall with rawplugs and screws supplied. Seal the plate to the wall with grout or mastick. (See fig 12).

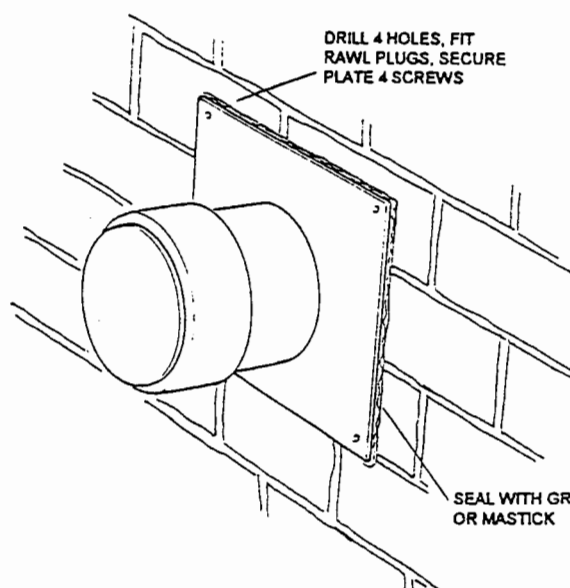


FIG 12

FITTING FLUE PIPE AND ELBOW

Fit the flue pipe and elbow using fibre rope seal and fire cement as normal practice. Finally make good the internal wall surface with plaster around the flue duct collar. (Fig 13)

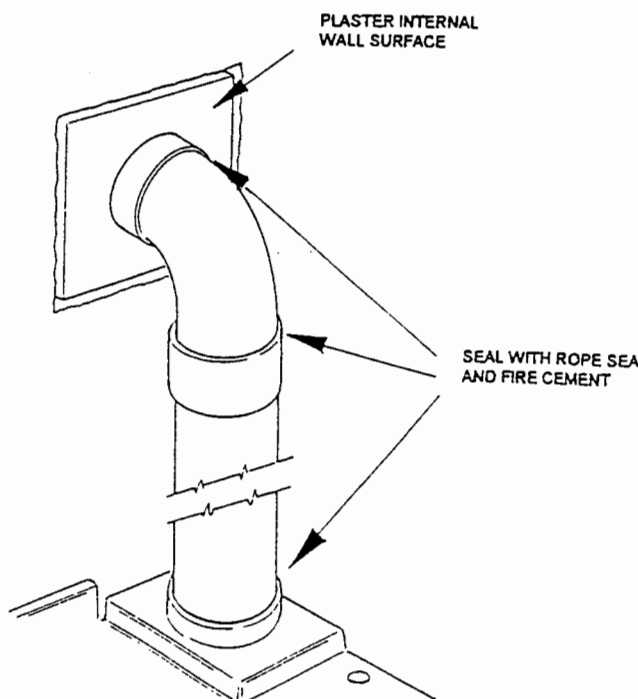


FIG 13

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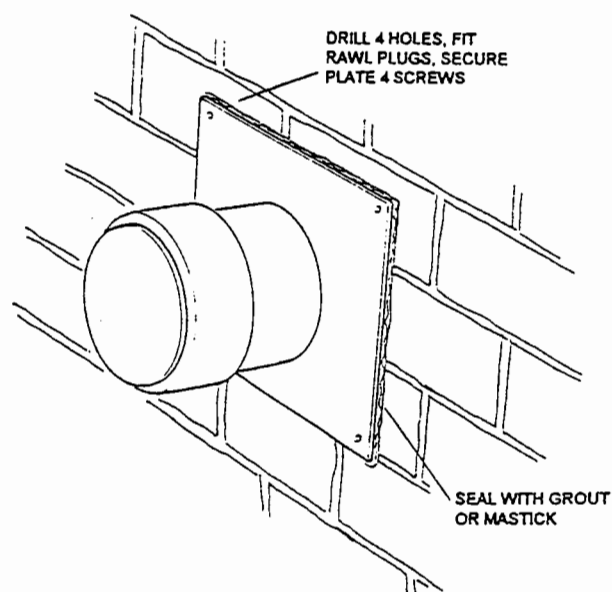


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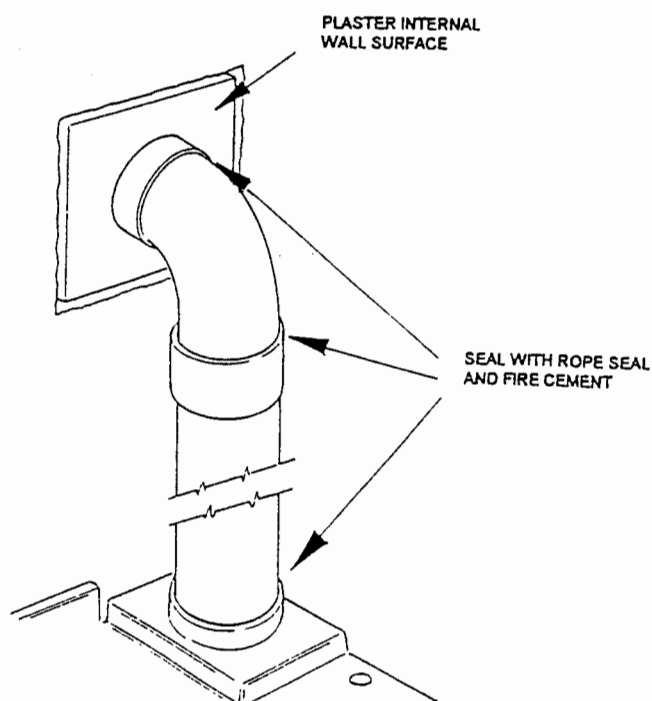


FIG 13

CLEANING

It will be necessary to clean the flue at regular intervals.

Access is available by removing the terminal shield (4 screws) and the terminal end (4 screws), see Fig. 14.

Clean as required using a suitable flexible handled brush.

Re-assemble in reverse order.

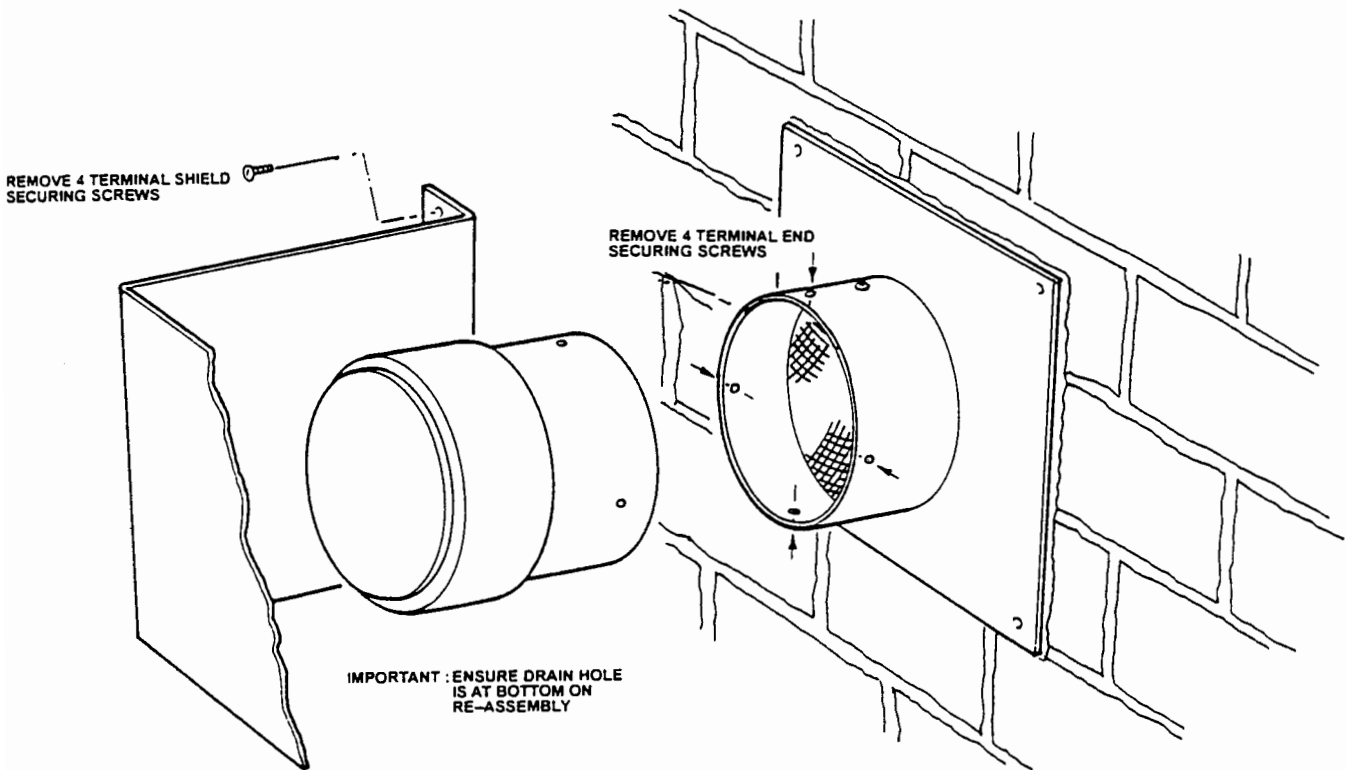


FIG 14

COMMISSIONING

Refer to Installation Instructions but when setting the combustion air adjust air intake to give 8.5 – 9.0% CO₂ (carbon dioxide).