



INTEGRATED ELECTRIC MODULE (FFD) (GAS HOB)

User Guide & Installation Instructions

CAUTION: THIS UNIT IS HEAVY, PROPER EQUIPMENT AND ADEQUATE MANPOWER MUST BE USED IN MOVING THE RANGE TO AVOID DAMAGE TO THE UNIT OR THE FLOOR.

REMEMBER, when replacing a part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require.

DO NOT use reconditioned or copy parts that have not been clearly authorised by AGA.

**PLEASE READ THESE INSTRUCTIONS BEFORE USING THIS APPLIANCE
AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.**



For use in GB & IE

07/24 EINS 511621

Contents

1. Health and safety	4
2. Introduction	6
3. Overview	7
4. Cooking guide	12
5. Cleaning & caring	15
6. Installation instructions	19
7. Installation introduction	20
8. Location	21
9. Electrical Connection	26
10. Installation sequence and procedure	27
11. Circuit Diagram	32
12. Technical Data	33
13. Checklist	34
14. Servicing	36

1. Health and safety

Consumer Protection

As a responsible manufacturer, we take care to make sure that our products are designed and constructed to meet the required safety standards when properly installed and used.

⚠ CHILDREN SHOULD BE KEPT AWAY FROM THE APPLIANCE AS SOME SURFACES CAN BECOME HOT TO THE TOUCH.

The appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. **Children less than 8 years of age shall be kept away unless continuously supervised.** Cleaning and user maintenance shall not be made by children without supervision.

⚠ DO NOT spray aerosols in the vicinity of the cooker while it is on.

⚠ DO NOT modify this appliance.

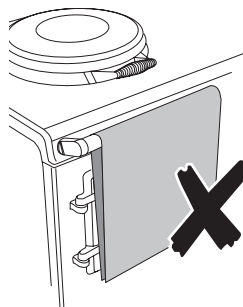
⚠ NEVER place anything aluminium between the saucepan base and the ceramic surface (i.e. cooking mats, aluminium foil, etc).

⚠ IMPORTANT: Oil is a fire risk, DO NOT leave pans containing oil unattended.

- In the event of a fire cover with a lid and switch OFF the electricity.
- Smother the flames on the hob rather than attempting to remove the pan to the outside.
- Burns and injuries are caused almost invariably by picking up the burning pan to carry outside.

DO NOT hang dish towels on the handrail. Doing so will block the air vent. Blocking the the air vent can cause excessive temperature increase to the control panel and prevent easy access.

When the oven (s) are on **DO NOT** leave any oven door open for long periods, this will affect the temperature of the oven and may allow controls to become hot.



The appliance may contain some 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.

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

May be harmful if inhaled. May be irritating to skin, eyes, nose and throat. When handling avoid 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.

Deep Fat Frying

- Use a deep pan, large enough to completely cover the appropriate heating area.

 **NEVER fill the pan more than one-third full of fat or oil.**

 **NEVER leave oil or fat unattended during the heating or cooking period.**

 **NEVER use a lid on the pan.**

 **In the event of a fire, cover the pan with a lid and turn OFF the appliance.**

 **Smother the flames on the hob preferably with a fire blanket, rather than attempting to remove the pan to the outside.**

 **Burns and injuries are caused almost invariably by picking up the burning pan to carry it outside.**

 **CAUTION: The cooking process has to be supervised. A short term cooking process has to be supervised continuously.**

 **WARNING: Unattended cooking on a hob with fat or oil can be dangerous and may result in fire. NEVER try to extinguish a fire with water, but switch off the appliance and then cover flame e.g. with a lid or fire blanket.**

 **WARNING: Danger of fire: DO NOT store items on the cooking surfaces.**

 **WARNING: Accessible parts may become hot during use. Young children should be kept away.**

If You Smell Gas

- **DO NOT** turn electric switches on or off
- **DO NOT** smoke
- **DO NOT** use naked flames
- Turn off the gas at the meter or cylinder
- Open doors and windows to get rid of the gas
- Keep people away from the area affected
- Call your gas supplier
- **If you are using Natural Gas in the UK, ring the National Grid on: 0800 111 999.**

2. Introduction

As responsible manufacturers we take care to make sure that our products are designed and constructed to meet the required safety standards when properly installed and used.

This AGA Module (with gas hob) has been designed to compliment your appliance. Retaining the external AGA image of durable enamel cast iron. The appliance 'looks at home' adjacent to its well known 'parent'. At the same time giving a flexible alternative during for instance the warm summer months when you may wish to turn off your main appliance.

Your appliance has a gas hob, electric grill and two electric ovens. The upper oven is an electric simmering oven with an electric grill also incorporated in the roof of the oven.

The lower oven has an electric fan. The fan behind the rear panel ensures an even distribution of heat within the cavity during cooking, ie the temperature at the lowest shelf position is the same as the temperature at the highest shelf position.

Refer to the diagram in the **Overview** chapter to familiarise yourself with the product and refer to the relevant sections for upper oven, lower oven, grill, gas hob etc.



IMPORTANT NOTICE: PLEASE READ THE ACCOMPANYING WARRANTY.

Any alteration that is not approved by AGA could invalidate the approval of the appliance, operation of the warranty and could affect your statutory rights.

In the interests of safety and effective use, please read the following before using your new AGA appliance.

The use of a gas cooking appliance results in the production of heat and moisture in the room in which it is installed. Ensure that the kitchen is well ventilated: keep natural ventilation holes open or install a mechanical ventilation device (mechanical extractor hood).

Prolonged intensive use of the appliance may call for additional ventilation, for example, opening of a window, or more effective ventilation, for example increasing the level of mechanical ventilation where present.

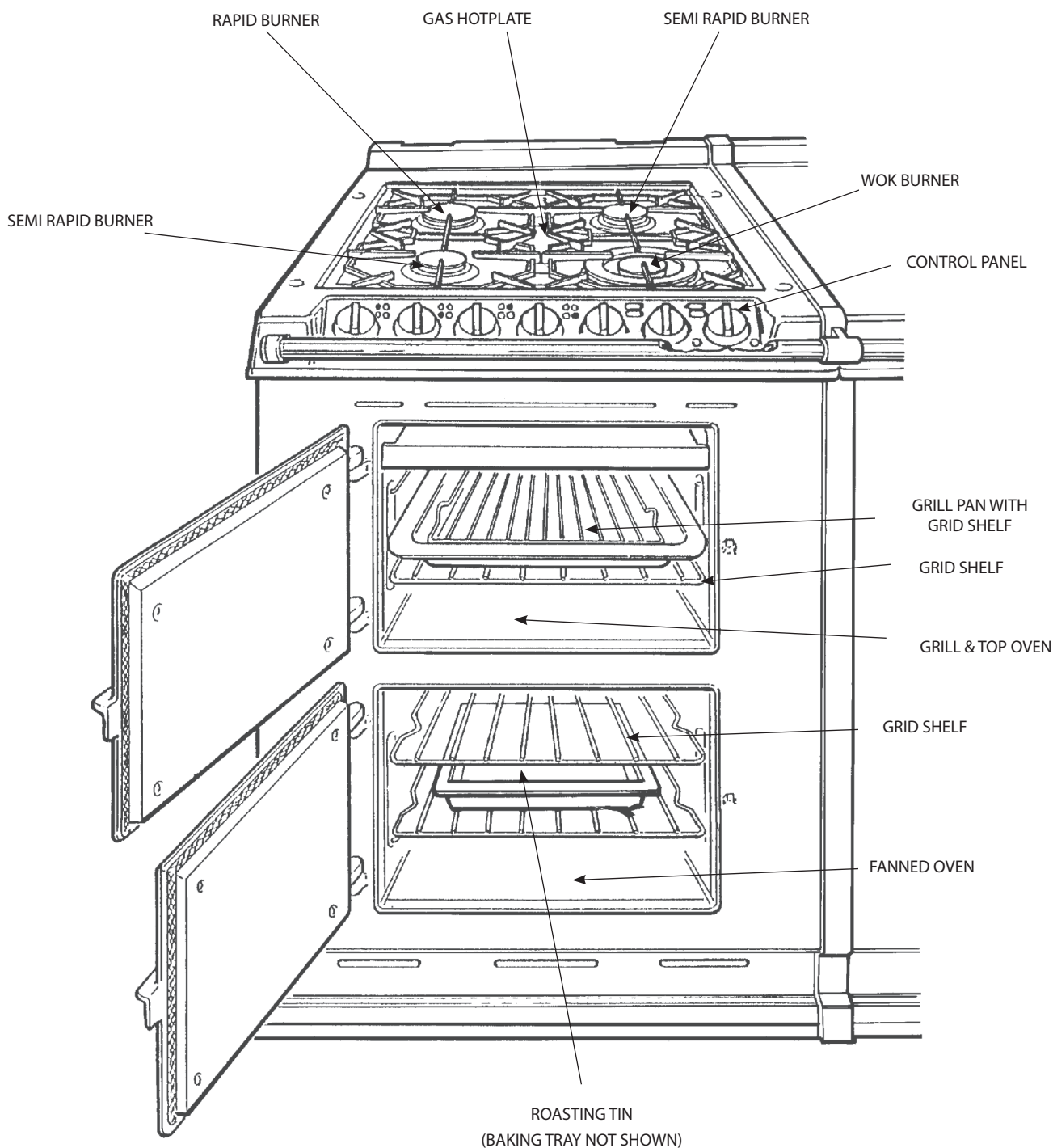
Installation must be to local and national wiring regulations and carried out by a qualified engineer.

A little smoke and some odour may be emitted when first switched on. This is normal and harmless (from oven lagging and starch binder on the element insulation) and will cease after a short period of use.

The appliance is fitted with a cooling fan, which functions during the use of the grill or top oven (occasionally with the lower oven). The fan will continue to run after the grill/oven has been turned off, until the unit has sufficiently cooled.

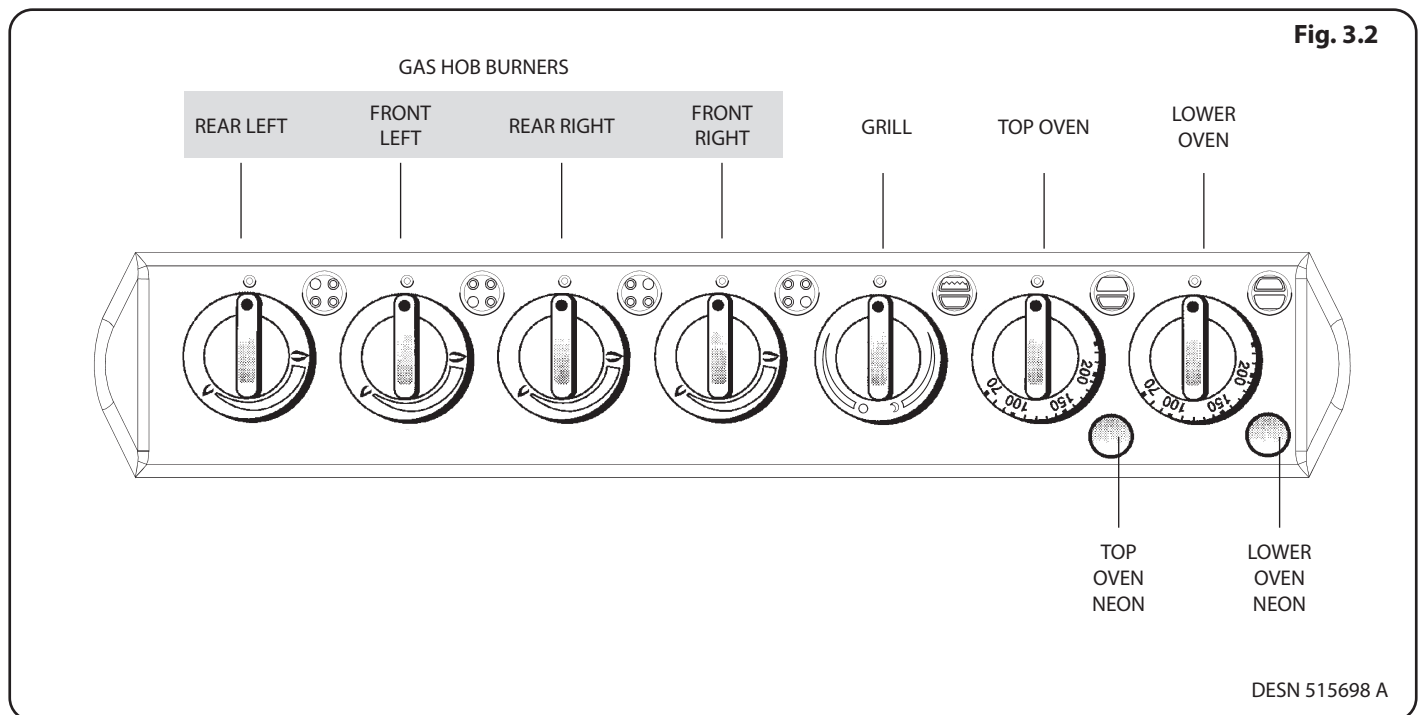
3. Overview

Fig. 3.1



FOR USE IN BOTH OVENS

Control panel



The **GAS HOTPLATE CONTROL KNOBS** have a 'push to turn' action and can only be rotated anti-clockwise from the OFF position:

- **Large Flame Symbol - High Setting**
- **Small Flame Symbol - Low Setting**

The **GRILL ELEMENT KNOB** can be rotated in any direction:

- **Clockwise** both elements on.
- **Anti-clockwise** front elements only.
- The **OVEN KNOBS** can only be rotated clockwise from the OFF position.
- The **OVEN NEONS** illuminate when ovens are switched on. When the temperature required is reached the neon will extinguish.

Gas hotplate

The hotplate has four gas burners: Refer to **Technical Data**.

- **Rear left**
- **Front left and rear right**
- **Front right**

The semi-rapid burners are especially suited for use with small pans and for gentle simmering or poaching.

All burners have a set simmer position and are easily adjustable.

TO USE THE HOTPLATE

To light a hotplate burner push in and turn the control knobs anti-clockwise to the large flame symbol, and hold in for 3 seconds until the burner lights.

Then turn the knob to the required setting.

If the burner flame should accidentally go out, turn off the burner control and do not attempt to re-light the burner for at least one minute.

The control may be set towards a lower position, simply by turning the control knob towards the small flame symbol.

IMPORTANT: The cast iron pan supports on the appliance are much heavier than those on most gas hotplate appliances, therefore care must be taken when removing or re-fitting them to the hob.

It is important that they are lifted from the appliance and not dragged across nearby enamelled parts which would result in damaging the enamel.

SOME SAFETY POINTS

Make sure that the flames are under the pans. Using a lid will help the contents boil more quickly (**Fig. 3.3**).

Large pans should be spaced well apart.

Pans and kettles with concave bases or down-turned base rims should not be used (**Fig. 3.4**).

Simmering aids, such as asbestos or mesh mats, are **NOT** recommended (**Fig. 3.5**). They will reduce burner performance and could damage the pan supports.

You should also avoid using unstable and misshapen pans that may tilt easily, and pans with a very small base diameter, e.g. milk pans, single egg poachers (**Fig. 3.6**).

The minimum recommended pan diameter is 120 mm. The maximum allowable pan base diameter is 280 mm.

DO NOT use cooking vessels on the hotplate that overlap the edges.

NEVER use pans which overhang the front fascia.

Place all pans centrally over the burners.

Always position pan handles away from the front of the appliance - away from the reach of small children.

NEVER leave a chip pan unattended.

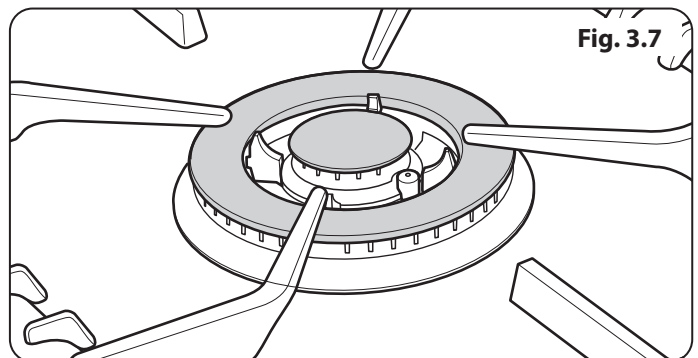
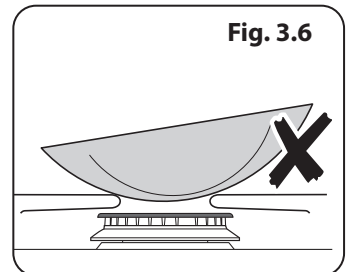
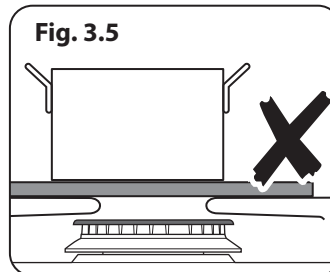
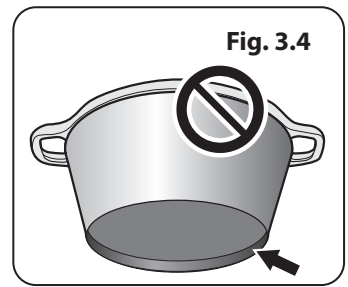
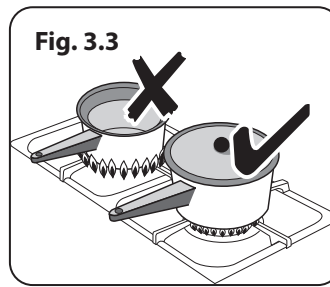
Wok Burner

The wok burner is designed to provide even heat over a large area. It is ideal for large pans and stir-frying (**Fig. 3.7**).

For heating smaller pans, the aforementioned hotplate burners may be more efficient.

You should wipe the enamel top surface of the appliance around the hotplate burners as soon as possible after spills occur. Try to wipe them off while the enamel is still warm.

NOTE: The use of aluminium pans may cause metallic marking of the pan supports. This does not affect the durability of the enamel and may be cleaned off with a suitable metal cleaner.



The Grill *(Top Oven)*

 **The top oven door must be kept open when the grill is on.**

 **Caution: Accessible parts may become hot when the grill is in use. Young children should be kept away.**

As with most cookers, depending on how long the grill is on, local surfaces, including the handrail may be hot to touch.

The grill has graduated heat settings on each of 2 elements (see Control Panel).

For best results pre-heat at a high setting.

The large grill pan and grid supplied will fit on any of the three shelf positions.

Most foods should be cooked on the grill grid in the grill pan. You can turn the grid over to suit the different thicknesses of food. You can place some dishes straight onto the oven shelf this is useful when browning the top of food such as cauliflower cheese.

The cooker is supplied with one grid/grill shelf for the top oven.

A cooling fan will run while the grill is in use and for a short period after.

The Ovens

General

The shelves are designed to be non-tilt.

To remove a shelf lift clear of the side notches and slide forward.

To replace a shelf insert into the oven with the short prongs at the rear, facing upwards. Slide into position above the side notches then allow to drop down on the runner.

DO NOT place the grid shelf or food on the base of the ovens. Food will burn on the base of the top oven and air circulation will be affected in the lower oven.

Pre-heat the ovens at the appropriate settings until the neon light goes out.

When cooking in both ovens at the same time you may need to reduce the temperature and cooking times (especially for baked foods).

For effective heat distribution. leave a gap of no less than 12mm between the dishes and the sides of the oven, to allow hot air to circulate.

The grill pan supplied is not designed to fit in the lower oven.

If you also have an AGA **DO NOT** use the small roasting tin provided with the AGA in the Module. Please use utensils provided and place on the grid shelves.

Condensation

Condensation may form on the cooker. This is quite normal and nothing to worry about. The condensation forms when heat and moisture are present, for example during cooking.

Whenever possible try to make sure that food which contains a lot of moisture for example casseroles are covered. If you do notice any condensation, wipe it up straight away.

4. Cooking guide

Cooking hints

- Both ovens must be pre-heated until the light extinguishes.
- The guidelines are for cooking after the oven(s) have reached the desired temperature.
- Larger items may benefit from being turned.
- Shelf positions are counted from the top.
- Put dishes in the centre of the shelf.
- When using both ovens together reduce cooking times and settings.
- It is important to check that food is piping hot before serving.
- You can change the settings and cooking times to suit your tastes.

Deep fat frying

- **DO NOT** try to fry too much food at a time, especially frozen food.
- This only lowers the temperature of the oil or fat too much, resulting in greasy food.
- Always dry food thoroughly before frying, and lower it slowly into the hot oil or fat, Frozen foods in particular, will cause frothing or spitting, if added too quickly.
- **NEVER** heat fat, or fry with a lid on the pan.
- Keep the outside of the pan, clean and free from streaks of oil or fat.
- The following charts give a guide to cooking a number of everyday items.

The Ovens

- The cooking charts are a general guide but times and temperatures may vary according to individual recipes.
- The lower oven has a fan, which means the air is circulated to create an even temperature throughout the oven.
- In most cases this means that food requires a lower temperature when cooked in this oven, by approximately 10 - 20°C. Also some baked goods may require a slightly reduced cooking time by a few minutes.
- The cooking charts are a general guide but times and temperatures may vary according to individual recipes.
- The meat sections should be used as a general guide but may vary according to the size, shape of joint on or off the bone.
- Thaw frozen joints thoroughly before cooking them.
- The times are for open roasting. If covered with foil allow extra time.
- The turkey/chicken is cooked when the juices run clear when pierced with a skewer. If the juices are still pink continue to cook checking every 15 minutes until juices run clear.
- 1kg = 2.2lb

Top oven *(Conventional)* - Cooking table

Food	Setting °C	Shelf position	Approximate cooking time	
Roasting Meat				
Beef	180	3	Rare	35 mins per kg plus 20 mins
	180	3	Medium	45 mins per kg plus 25 mins
	180	3	Well Done	55 mins per kg plus 30 mins
Lamb	180 - 190	3	Well Done	55 mins per kg plus 25 mins
Pork	180 - 190	3	Well Done	1 hr 5 mins per kg plus 30 mins
Poultry				
Chicken	190 - 200	3		45 mins per kg plus 20 mins
Yorkshire Pudding				
Large	220	3		25 - 40 mins
Individual	220	3		15 - 25 mins
Cakes & Biscuits				
Shortbread	150	2		45 mins - 1 hr
Very Rich Fruit Cake	130 - 140	3		3 - 4 hrs
Fruit Cake	150 - 160	3		1 - 2 hrs
Small Cakes	190	3		15 - 25 mins
Scones	220	3		10-20 mins
Victoria Sandwich	180	3		20 - 35 mins
Swiss Roll	210	2		10 mins
Biscuits	180 - 190	2		10 - 15 mins
Tray Bakes	180	3		30 - 35 mins
Pastries				
Plate Tart	200	2		25 - 35 mins
Fruit Pie	200	3		35 - 45 mins
Mince Pies	200	2		20 - 25 mins
Vol-au-Vents (frozen flaky)	220	3		15 - 20 mins
Eclairs / Profiteroles	210 - 220	2		20 - 25 mins depending on size
Puddings				
Milk Puddings	150 - 160	3		2 hrs approx.
Baked Sponges	170 - 180	3		45 - 55 mins
Baked Custards	150	3		45 - 55 mins
Meringues	100	3		1.5 - 3 hrs depending on size
Apple Crumble	180	3		30 - 40 mins
Yeast Mixtures				
Bread	220	3		25 - 35 mins
Rolls and Buns	220	3		10 - 20 mins

Lower oven (Fanned) - Cooking table

Food	Setting °C	Shelf position	Approximate cooking time	
Roasting Meat				
Beef	170	2 or 3	Rare	35 mins per kg plus 15 mins
	170	2 or 3	Medium	45 mins per kg plus 20 mins
	170	2 or 3	Well Done	55 mins per kg plus 30 mins
Lamb	170 - 180	2 or 3	Well Done	55 mins per kg plus 20 mins
Pork	170 - 180	2 or 3	Well Done	1 hr 5 mins per kg plus 25 mins
Poultry				
Chicken	180 - 190	2 or 3		45 mins per kg plus 15 mins
Turkey	170	3	Up to 4kg Over 4 kg	40 mins per kg plus 10 mins 30 mins per kg plus 20 mins
Yorkshire Pudding				
Large	190 - 200	Any		25 - 40 mins
Individual	190 - 200	Any		15 - 25 mins
Cakes & Biscuits				
Shortbread	140	2 or 3		45 - 50 mins
Very Rich Fruit Cake	120 - 130	3		3 - 4 hrs
Fruit Cake	140 - 150	3		1 - 2 hrs
Small Cakes	180	Any		15 - 25 mins
Scones	200	Any		8 - 12 mins
Victoria Sandwich	170	Any		20 - 35 mins
Swiss Roll	200	2		10 mins
Biscuits	170 - 180	Any		10 - 15 mins
Tray Bakes	170	3		25 - 30 mins
Pastries				
Plate Tart	190	2 or 3		25 - 35 mins
Fruit Pie	190	2 or 3		25 - 45 mins
Mince Pies	190	1 & 3		20 - 25 mins
Vol-au-Vents (frozen flaky)	210	1 & 3		15 - 20 mins
Eclairs / Profiteroles	200	2		20 - 25 mins depending on size
Puddings				
Milk Puddings	140	Any		2 hrs approx.
Baked Sponges	160 - 170	2 or 3		45 - 60 mins
Baked Custards	140	2 or 3		45 - 55 mins
Meringues	90	2 or 3		1.5 - 3 hrs depending on size
Apple Crumble	170	3		30 - 40 mins
Yeast Mixtures				
Bread	200	2 or 3		25 - 35 mins
Rolls and Buns	200	2 or 3		10 - 20 mins
Souffle				
Cheese Souffle (Individual)	190	3		20 - 25 mins
Cheese Souffle (Large)	190	3		25 - 35 mins

6. Cleaning & caring

REMEMBER: Be careful of the hot appliance.

-  Always **SWITCH OFF** at mains before cleaning.
-  **DO NOT** use a steam cleaner to clean this appliance.
-  When cleaning use as little water as possible.
-  **DO NOT** use abrasive pads, oven cleaner or cleaners containing citric acid on enamelled surfaces.
-  **DO NOT** use hob brite on the enamelled surfaces.

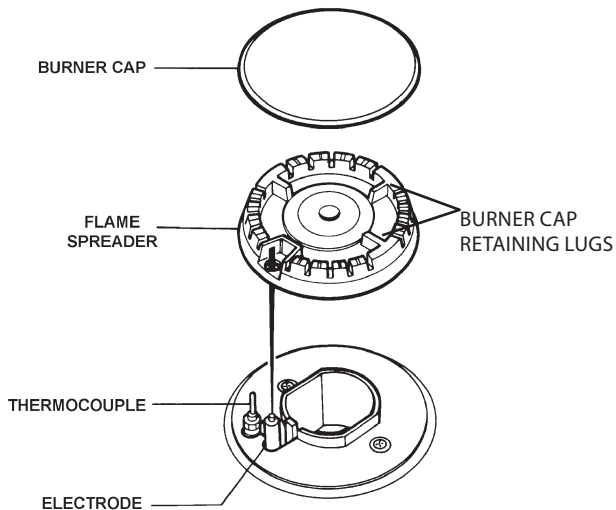
Enamelled top and front plate

-  The easiest way to clean the AGA top plate and front plate is to mop up spills as they happen. VEA approved AGA Enamel Cleaner can be purchased from www.agacookshop.co.uk.
-  Baked on food is more difficult to clean but can usually be removed with proprietary vitreous enamel cleaners or mild cream cleaners using a cloth, or if necessary, a nylon scouring pad and can be purchased from www.agacookshop.co.uk.
-  If milk or fruit juice, or anything containing acid is spilt on the enamel, wipe off immediately.
-  Clean off any condensation streaks on the front plate around the oven doors or vitreous enamel maybe permanently discoloured.
-  All that is usually needed to keep the vitreous enamelled surfaces of your appliance bright and clean is a daily rub over with a damp, soapy cloth followed immediately with a clean, dry cloth to avoid streaks.
-  Remember the top plate will scratch if pans or utensils are dragged across them.

Gas hotplate

-  If spillage does occur on a burner cap or pan support, move pan to another burner and when cool, clean in hot soapy water.

Fig. 6.1



DESN 513513

⚠ After cleaning, be sure all parts are dry. When fitting the burner cap and burner head, make sure that the hole in the burner head is correctly located over the ignition electrode (see Fig. 6.1), and that the burner cap is sitting correctly on the burner head.

⚠ The ignition electrode must not be displaced or damaged otherwise spark ignition will be affected.

⚠ The hotplate top is sealed. To clean, remove pan supports and wipe over visible surface.

⚠ **NOTE:** The following parts **MUST NOT** be cleaned in a dishwasher, as this could cause damage or discolour the finish:- pan supports, burner caps burner ring and burner head.

⚠ Aluminium pans may cause metallic marking on the pan supports. This will not affect the durability of the enamel.

⚠ **NOTE:** The appliance guarantee does **NOT** cover the mis-use of the pan supports.

The ovens

⚠ The fan oven is fitted with a back panel which is of self cleaning enamel and should not be scoured.

⚠ All the remaining surfaces of both ovens are vitreous enamelled and can be cleaned with proprietary vitreous enamel cleaners approved by the Vitreous Enamel Association.

⚠ The shelves can be removed and if necessary the shelf supports may also be removed by taking out the screws.

⚠ These items may be washed in the sink with normal oven cleaners, you may use a fine wool soap pad for removing stubborn stains from the oven bases and shelf supports.

⚠ **NOTE:** Take care **NOT** to damage the thermostat phials in the ovens when cleaning.

Heat clean enamel

-  **Fan oven - back panel only**
-  **This special enamel has a continuous cleaning action, which works best if a pattern of low and high temperature cooking is followed. By using low temperature roasting, excessive fat splashes can be avoided. Should any excessive staining occur, immediately clean the area with hot water containing detergent, and a nylon washing-up brush. Resistant stains require the oven to be run at 210°C for 2 hours.**
-  **Do not use any cleaning materials which may clog the pores of the special coating e.g. pastes and powders, soap filled pads, spray cleaners, brush-on oven cleaners, caustic solutions, metal scrapers/ knives, and prevent the cleaning action.**

Door liners

-  **May be cleaned with a cream cleaner or soap impregnated pad.**
-  **Lift off the oven doors to allow them to cool a little before cleaning. DO NOT, however, immerse the doors in water as they are packed with insulating material which will be damaged by excessive moisture.**

Controls

-  **The enamelled surface under the knobs can be treated as in the Section 'Door Liners'. Avoid the use of excessive water.**
-  **DO NOT use oven cleaners, scouring pads and abrasive powder for cleaning the plastic knobs. A wipe with a damp cloth should be sufficient.**
-  **TIP: Clean your appliance regularly. Preferably every time you use it.**
-  **IMPORTANT: AGA recommend Vitreous Enamel Association approved cleaners for cleaning the vitreous enamelled surfaces of this product.**

Accessories

-  **Oven furniture such as Roasting Tins, Solid Plain Shelves, Grid Shelves, and Grill Racks should be cleaned in hot soapy water, soak if necessary, a nylon scouring pad can be used.**

Vitreous Enamel		
Part		Recommended Cleaning Method
- Fan ovens and simmering oven all sides - Grill - base only - Control panel - Roasting tin - Grill pan	- Door liners - Front of cooker - Doors - Timer surround - Hotplate side trims	Clean with a damp cloth and hot soapy water. Stubborn stains can be removed with mild cream, paste or liquid cleaners, or by gently rubbing with a well moistened pads The roasting tin and baking tray may OCCASIONALLY be cleaned in a dishwasher.  DO NOT IMMERSE DOORS IN WATER AS THEY ARE PACKED WITH INSULATING MATERIAL. Check that the cleaning agent is approved by the (VEA) Vitreous Enamel Association.
High Temperature Protective Coating & Anodised aluminium		
- Hand rail bracket - Plinth - Hotplate rear trim		Clean with a damp cloth and hot soapy water.  IMPORTANT DO NOT USE ABRASIVES
Glass		
- Grill element cover - Splashback		As for enamel cleaning above. Polish with a clean dry cloth or kitchen roll.
Stainless steel		
- Door catches - Handrail		Use warm soapy water or a proprietary stainless steel or chrome cleaner
Chromium Plated		
- Oven and grill shelves - Shelf supports - Grill pan handle - Grill pan grid		Wipe with a damp cloth and soapy water. A well moistened liberally soaped very fine steel wool pad or stainless steel cleaner may be used.
Plastic		
- Grill pan handle - Control knobs - Timer fascia & controls - Neons		Wipe with a damp cloth and hot soapy water. Stubborn stains may be removed with a carefully applied cream cleaner.
Heat-Clean Enamel		
Grill compartment: sides and back		Should any excessive staining occur, immediately clean the area with hot water containing detergent, and a nylon washing-up brush.  DO NOT USE ANY CLEANING MATERIAL WHICH MAY CLOG THE PORES OF THE SPECIAL COATING e.g. PASTES AND POWDERS, SOAP-FILLED PADS, WIRE WOOL, SPRAY CLEANERS, BRUSH-ON OVEN CLEANERS, CAUSTIC SOLUTIONS, METAL SCRAPERS/KNIVES.
Aluminium		
- Right and left rear outer burner caps - Right front outer burner cap - Centre front outer burner cap		As for enamel cleaning. Do not place in a dishwasher NOTE: Care must be taken to prevent cleaning materials, water or dirt, from entering and blocking the burner head, ports and especially the gasway. Remove any blockage with a fine needle or nylon brush.
Non-Stick Coating		
Griddle plate		Soak and wash in hot soapy water. DO NOT USE ABRASIVES OR PLACE IN A DISHWASHER.

9. Installation instructions

WARNING!

Please read the Warning, Cautionary notes at the start of this section.
If the information contained within these instructions is not followed,
property damage or personal injury may occur.

DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

DO NOT try to light any appliance.

DO NOT touch any electrical switch.

DO NOT use any phone in your building.

**Immediately call your gas supplier from a neighbour's phone.
Follow the gas supplier's instructions.**

If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

WARNING! This appliance must be installed with an appropriate device that will allow permanent disconnection of the Live and Neutral conductors. During Installation or disconnection prior to any electrical work, the appliance must be permanently disconnected from the Supply (Live) and Neutral Conductors.

CAUTION: THIS UNIT IS HEAVY, PROPER EQUIPMENT AND ADEQUATE MANPOWER MUST BE USED IN MOVING THE RANGE TO AVOID DAMAGE TO THE UNIT OR THE FLOOR.

REMEMBER, when replacing a part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require.

DO NOT use reconditioned or copy parts that have not been clearly authorised by AGA.

**PLEASE READ THESE INSTRUCTIONS BEFORE USING THIS APPLIANCE
AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.**

9. Installation introduction

⚠ WARNING: This appliance shall be installed in accordance with the regulations in force and only used in a well ventilated space. Read the instructions before installing or using this appliance.

- Prior to installation, ensure that the local distribution conditions (nature of the gas and gas pressure) and the adjustment of the appliance are compatible.
- The adjustment conditions for this appliance are stated on the data plate.
- The data plate is situated in the centre vent slot near the base of the front plate.
- This appliance is not connected to a combustion products evacuation device. It shall be installed and connected in accordance with current installation regulations. Particular attention shall be given to the relevant requirements regarding ventilation (B.S. 5440).
- It should be in accordance also with any relevant requirements of the Gas Region and Local Authority.
- In your own interest, and that of safety to comply with the law, all gas appliances must be installed by a competent person. Failure to install appliances correctly could lead to prosecution.
- On completion, test the gas installation for tightness.

⚠ WARNING: THIS APPLIANCE MUST BE EARTHED.

- The appliance is designed for the voltage stated on the data plate.
- The appliance is supplied with and installed adjacent to the left-hand side of any one of the current range of traditional AGA cookers.
- Installation of the appliance must, therefore, be in conjunction with the build instructions of the 'parent' AGA.
- Reference must be made to the above Installation instructions for the 'parent' AGA especially regarding pre-site inspection, not only for both cookers but to consider any pipework that may pass at the rear of the Module. i.e. boiler piping or flue duct from a Fan Flue AGA.
- The appliance has been designed to accommodate pipework passing at the rear.
- **NOTE! THE MAIN AGA COOKER IS DELIVERED EX-WORKS, UNASSEMBLED.**
- **Assembly is undertaken on site by an authorised AGA distributor.**

9. Location

Refer to **Fig. 9.1**.

It is recommended that any soft material flooring is removed from where the Module will be installed.

Any adjacent walls that project above the height of the hob must be of heat resistant material.

The side wall above the hob shall be greater than 60 mm from the cooker.

Surfaces over the top of the cooker must not be closer than 650 mm.

The vent slots in the back of the top plate (or shroud) must not be obstructed.

If possible, any hot water pipes should be directed away from the cooker.

The extension channel section at the rear of each side plate may be removed, if required to clear hot water or flue pipes with the following provisos:-

If hot water pipes pass at the rear, they should be lagged and a 50 mm air gap provided to the left-hand side of the cooker.

NOTE: It is advisable that the supply cable is routed away from any hot surfaces i.e. hot water/flue pipes.

In the interest of safety, due consideration must be given to the protection of the electric cable to the cooker.

NOTE: The parent AGA may require a gas supply (See **Fig. 9.1**, **Fig. 9.2**, **Fig. 9.3** & **Fig. 9.4**) and 'INSTALLATION SECTION.

If a supply cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

The appliance is designed for the voltage stated on the rating plate, which is situated in the centre vent slot near the base of the front plate.

Recommended, but not mandatory, to fit an individual Residual Current Device (RCD) for the cooker supply circuit to avoid nuisance tripping.

A minimum clearance of 1000 mm must be available at the front of the cooker to enable it to be serviced.

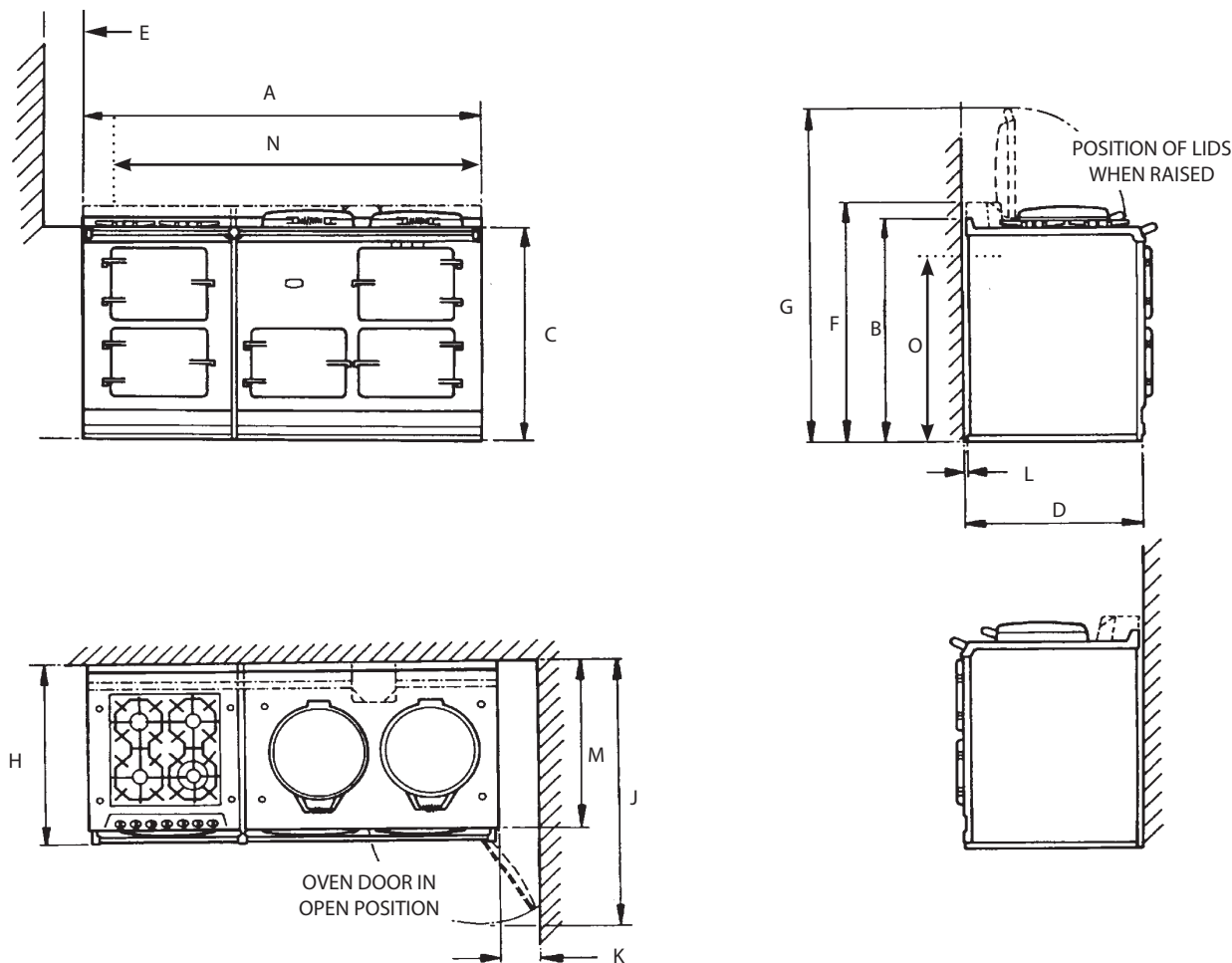


DO NOT install the cooker behind a decorative door in order to avoid overheating.

Specifications

AGA (2 Oven) with Module

Fig. 9.1



	A	B	C	D	*** E	F	G	H	J	K	L	M	N**	O**
mm	1598	889	851	679	60	967	1330	760	1125	116	3	698	1533	800

* ELECTRIC AND GAS POWER FLUE MODELS ONLY

** POSITION FOR GAS SUPPLY PIPE TO MODULE

*** WHEN ADJACENT TO COMBUSTIBLE MATERIAL

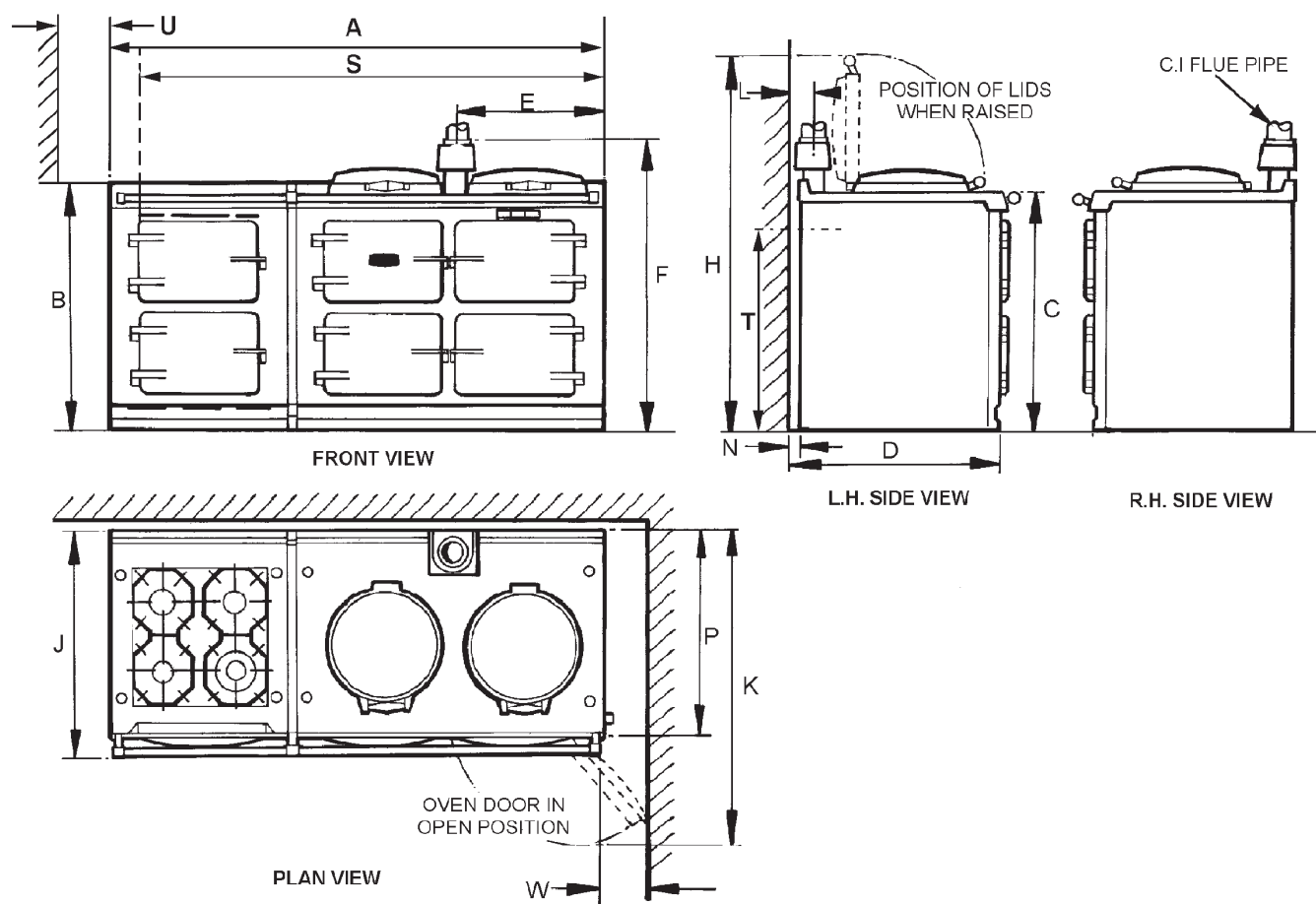
DESN 511633

COOKER DIMENSIONS

When surveying for a cooker installation the actual clearance required for the ‘body’ of the appliance should be increased overall by 10mm beyond the figures quoted below. This allows safe margin to take into account the natural dimensional variations found in major castings. In particular the width across an appliance recess could be critical.

3 Oven AGA with Module

Fig. 9.2



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	S*	T*	U**	W
mm	1598	889	851	679	467	1035	41	1330	756	1125	73	39	3	698	1533	800	60	116

* POSITION FOR GAS SUPPLY PIPE TO MODULE

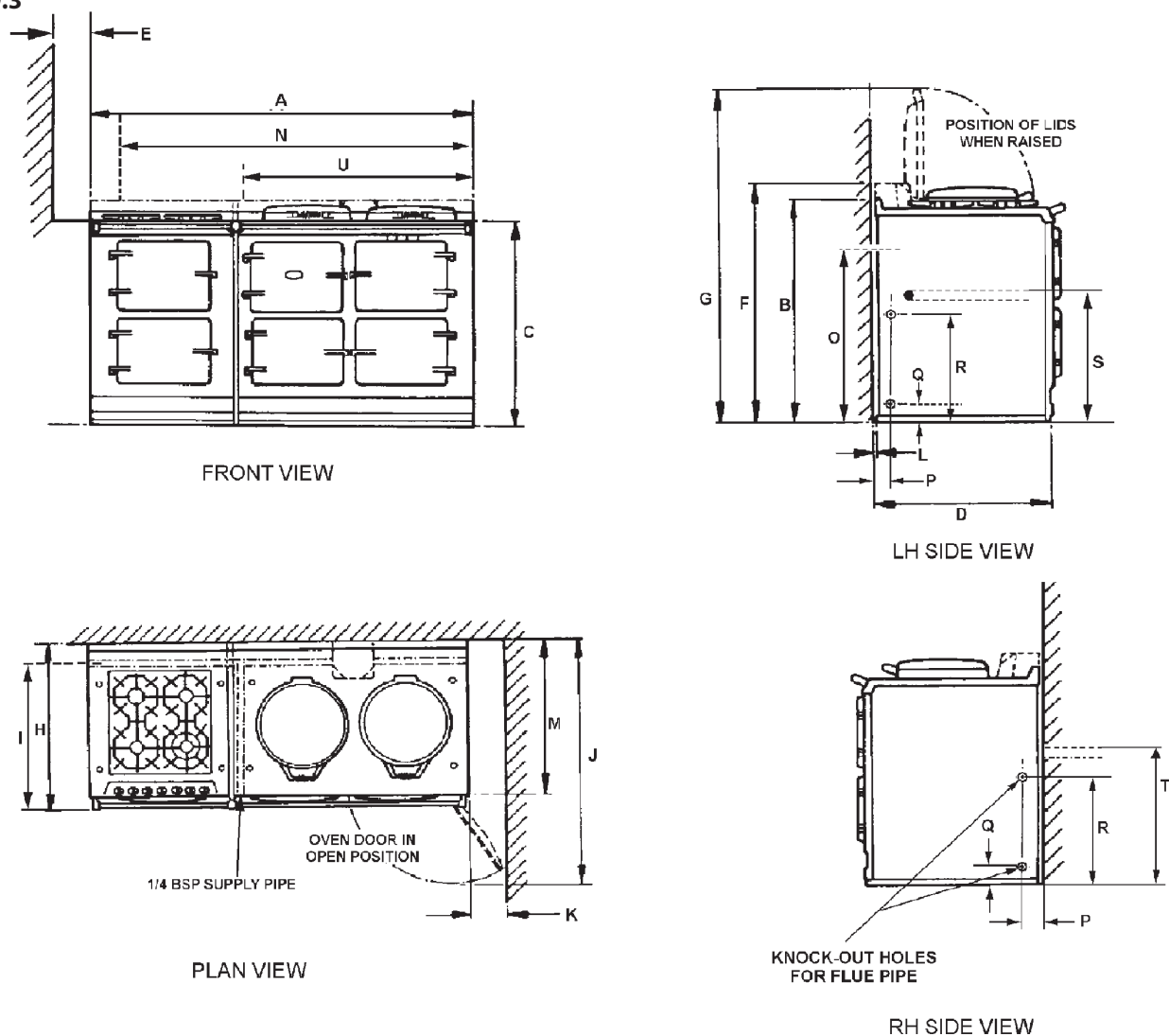
** WHEN ADJACENT TO COMBUSTIBLE MATERIAL

DESN 512430

Note: When surveying for a cooker installation the actual clearance required for the 'body' of the appliance should be increased overall by 10mm beyond the figures quote above. This allows safe margin to take into account the natural dimensional variations found in major castings in particular the width across an appliance recess could be critical.

AGA 3 Oven (Power Flue) with Module

Fig. 9.3



	A	B	C	D	*** E	F	G	H	J	I*	K	L	M	N**	O**	P	Q	R	S	T	U
mm	1598	889	851	679	60	967	1330	756	1125	685	116	3	698	1533	800	48	65	375	500	595	960

* GAS SUPPLY PIPE FOR GC3 (PF) WHEN FITTED TO MODULE

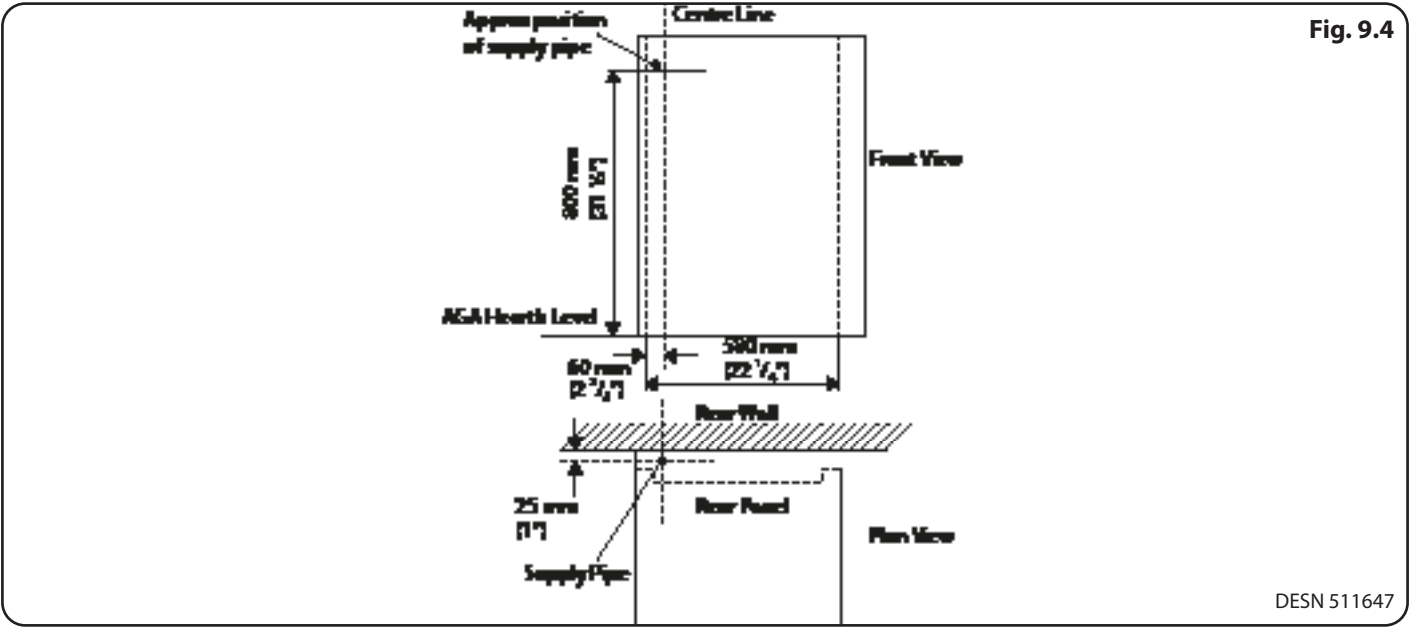
** POSITION FOR GAS SUPPLY PIPE TO MODULE

*** WHEN ADJACENT TO COMBUSTIBLE MATERIAL

DESN 513392

COOKER DIMENSIONS

When surveying for a cooker installation the actual clearance required for the 'body' of the appliance should be increased overall by 10mm beyond the figures quoted below. This allows safe margin to take into account the natural dimensional variations found in major castings. In particular the width across the appliance recess could be critical.



11. Electrical Connection

Electrical connections are located at the back of the appliance.

Refer to **Fig. 11.1** and **Fig. 11.2** for wiring connection to the appliance.

Remember that an excess of cable length is required for the possible withdrawal of the cooker.

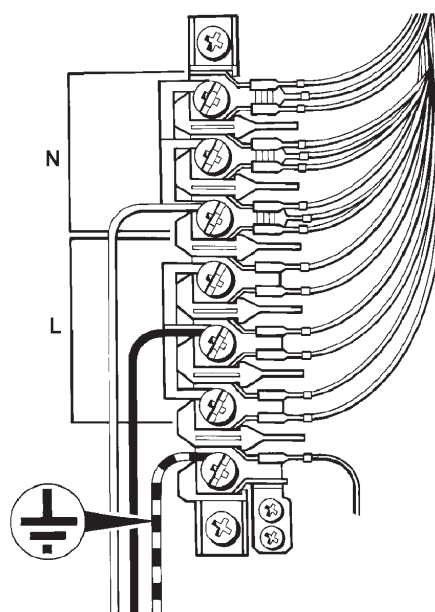
The total electrical load of the appliance is approximately 3.5 kW. The cable size used should be suitable for this load and comply with all local requirements (i.e. PVC Insulated Cable IEC 60227 - code 53 for ordinary cables).

Always double check connections and ensure terminals are fully tightened and the cable is secured to the cable clamp.

⚠ The isolator should NOT be positioned immediately above the Module, but must be sited within 2 metres of the appliance.

The appliance requires a 30/32 amp power supply fitted in conjunction with a double pole isolator with a minimum contact clearance of 3 mm and be connected to the mains with a minimum 4 mm² cable to comply with the latest editions of the local and national wiring regulations.

Fig. 11.1

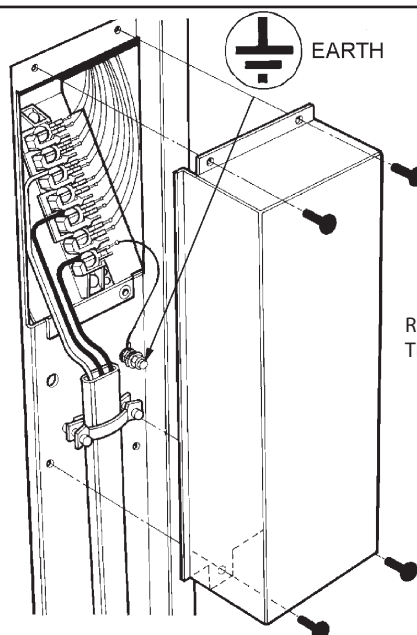


SINGLE PHASE CONNECTION -

Minimum 4 mm² and must comply with the latest editions of the local and national wiring regulations

DESN 513370

Fig. 11.2



REMOVE COVER (4 SCREWS) TO GAIN ACCESS TO THE MAINS TERMINAL

DESN 513372 A

10. Installation sequence and procedure

Installation must be to Local and National Wiring Regulations and carried out by a Qualified Engineer.

Having ensured all space requirements and regulations have been satisfied for the combined arrangement (AGA Cooker & Module), the build and installation is to proceed as follows:-

1. It is essential that the base or hearth on which both cooker and module stands should be level and capable of supporting the total weight of both units.
Module weight = 129 kgs.
2. Unpack and remove the Module from the pallet.
3. Prior to electrical connections, remove top plate assembly from module as follows:-
 - A. Remove pan supports and all control knobs.
 - B. Remove four chrome buttons and the four top plate retaining screws (2 each side).
 - C. Remove two screws from control panel (one from left hand hole and one from centre hole). (See **Fig. 10.1**)
 - D. Pull top plate forwards slightly and lift up at front. Support top plate and disconnect wiring to the two neons. Remove top plate.
 - E. Lay the top plate on its top face, suitably protected.
4. Remove hotplate as follows:-
 - A. Remove burner heads and burner caps.
 - B. Remove all of the screws retaining hotplate burner trims (4 from Wok burner, 2 each from the other three burners). (See **Fig. 10.2**).
 - C. Carefully remove burner trims and gaskets, taking care not to damage gaskets or burner electrodes.
 - D. Disconnect earth wire from left hand control panel mounting bracket.
 - E. Remove hotplate casting.
5. Check power to the appliance is off and isolated.
6. Connect the mains wire to the terminal block at the rear of the cooker (See **Electrical Connection**).

Fig. 10.1

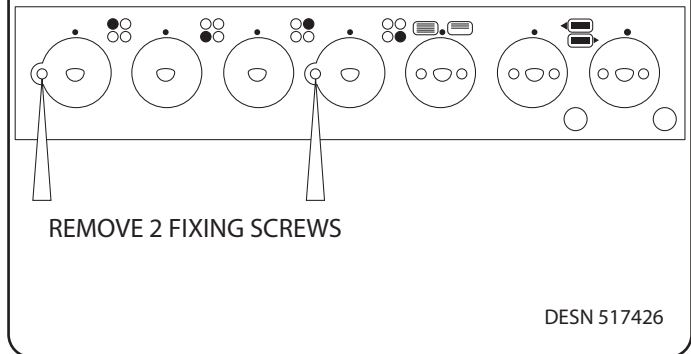


Fig. 10.2

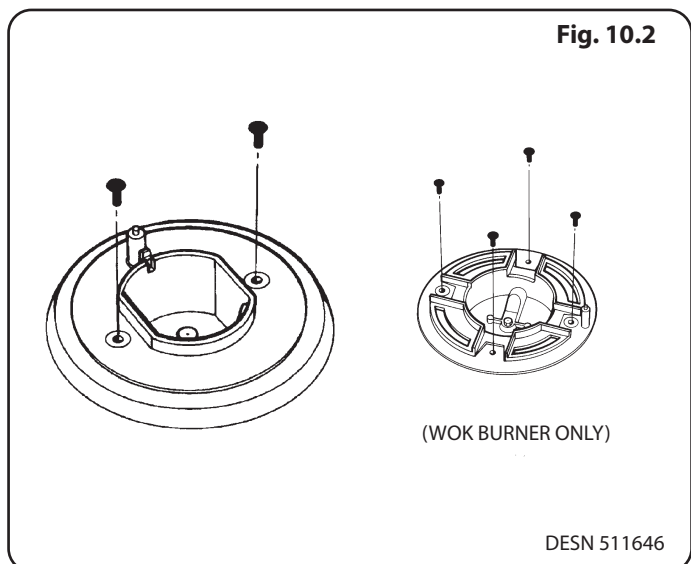
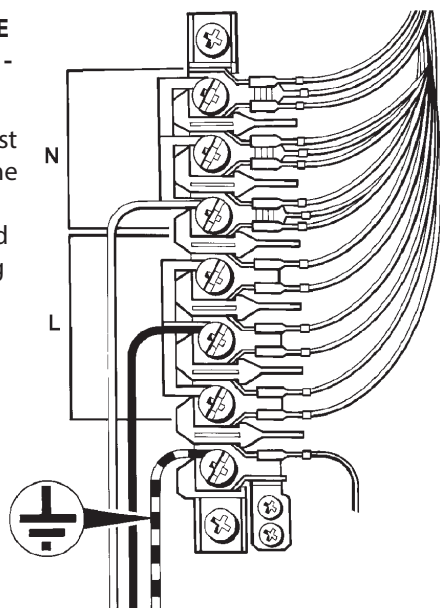


Fig. 10.3

SINGLE PHASE CONNECTION -

Minimum 4 mm² and must comply with the latest editions of the local and national wiring regulations



DESN 513370

Electrical Connection

Electrical connections are located at the back of the appliance.

Refer to **Fig. 10.3** and **Fig. 10.4** for wiring connection to the appliance.

Remember that an excess of cable length is required for the possible withdrawal of the cooker.

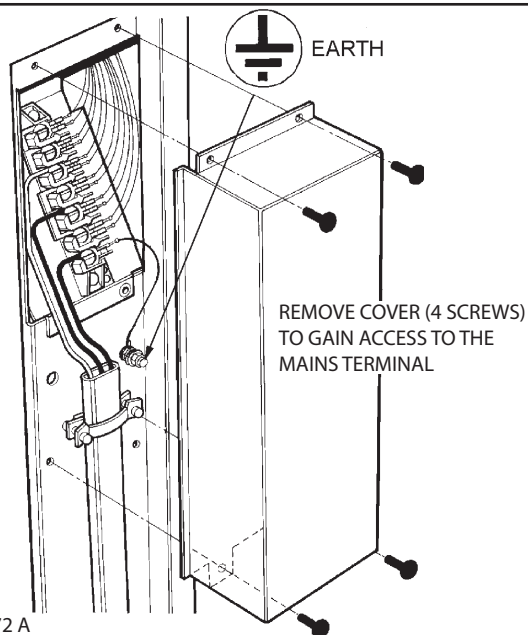
The total electrical load of the appliance is approximately 3.5 kW. The cable size used should be suitable for this load and comply with all local requirements (i.e. PVC Insulated Cable IEC 60227 - code 53 for ordinary cables).

Always double check connections and ensure terminals are fully tightened and the cable is secured to the cable clamp.

⚠ The isolator should NOT be positioned immediately above the Module, but must be sited within 2 metres of the appliance.

The appliance requires a 30/32 amp power supply fitted in conjunction with a double pole isolator with a minimum contact clearance of 3 mm and be connected to the mains with a minimum 4 mm² cable to comply with the latest editions of the local and national wiring regulations.

Fig. 10.4



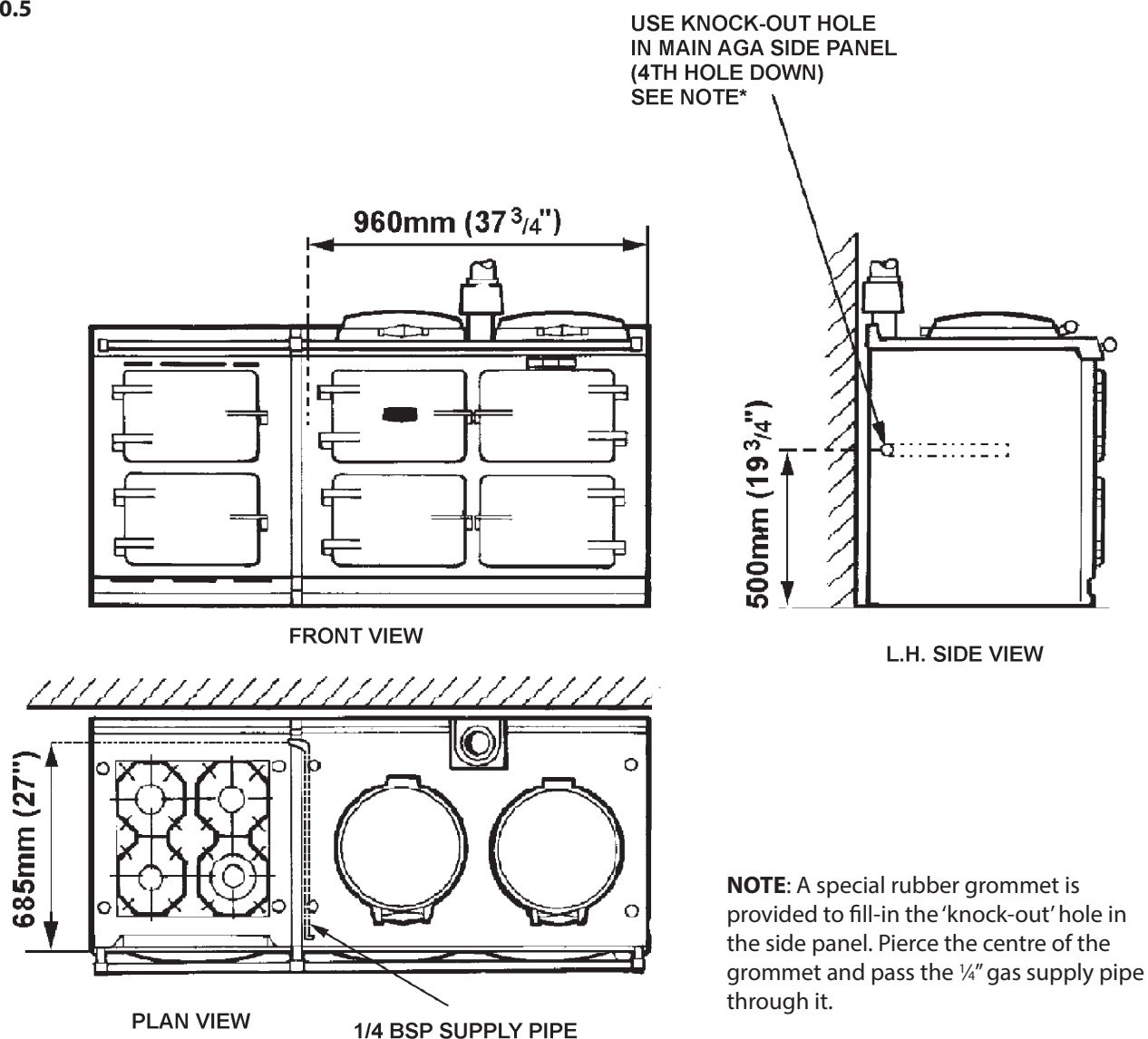
DESN 513372 A

Connecting to gas

The cooker must be installed by connection to rigid pipework, which should not be less than 15 mm diameter. Connection is made to the 15 mm compression fitting located just below the hotplate level on the rear left hand side of the cooker.

- A.** Mark off approximate position on wall for gas supply to cooker (See **Specification** Dimensions).
 - B.** Isolate the gas supply and connect pipework as required up to the position marked. **NOTE:** For connecting gas supply to AGA GC3 (Three Oven Model), see **Fig. 10.5**.
 - C.** Check for gas tightness after connecting the gas supply.
- 1.** Position the cooker alongside the main AGA baseplate leaving 16mm between the two bases (See **Fig. 10.6**). Check with a spirit level that the front plate is vertical and the ovens level. Shim under the module base if necessary.
- 2.** Make final gas connection to the cooker (15 mm compression) into the combined gas cock/pressure test fitting (See **Fig. 10.7**). Check for gas tightness after connecting the gas supply.

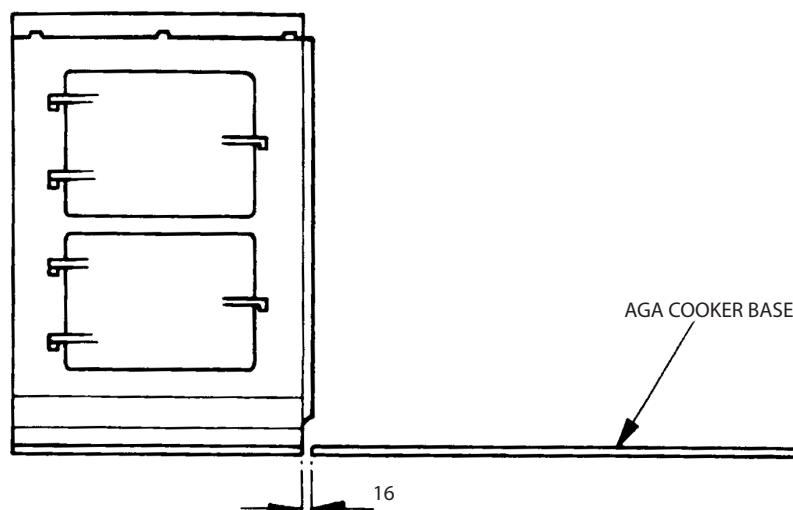
Fig. 10.5



DESN 512449

AGA GC3 (Open Flue) & GC3 Power Flue Only - Gas Supply Connections
(approximate positions)

Fig. 10.6



DESN 511254

Pressure testing

The pressure test point is situated at the rear left hand side of the appliance just below hotplate level. (**Fig. 10.7**).

- A.** Remove screw from pressure test nipple. Fit the pressure gauge onto the pressure test nipple.
- B.** Turn the gas cock to the ON position.
- C.** Place one of the burner heads and burner cap into position on the burner body. Push in and turn the appropriate control knob anti-clockwise to full-on position, and light the burner with a match.
- D.** For Natural Gas appliance, the pressure should be nominal 20mbar (8 inches water gauge).
- E.** For LPG appliance (propane) the pressure should be nominal 37mbar (14.8 inches water gauge).
- F.** Turn off the tap, turn off gas cock, disconnect the pressure gauge and refit pressure test screw to pressure test nipple.
- G.** Turn the gas cock back to the ON position.
- H.** Check for gas tightness.

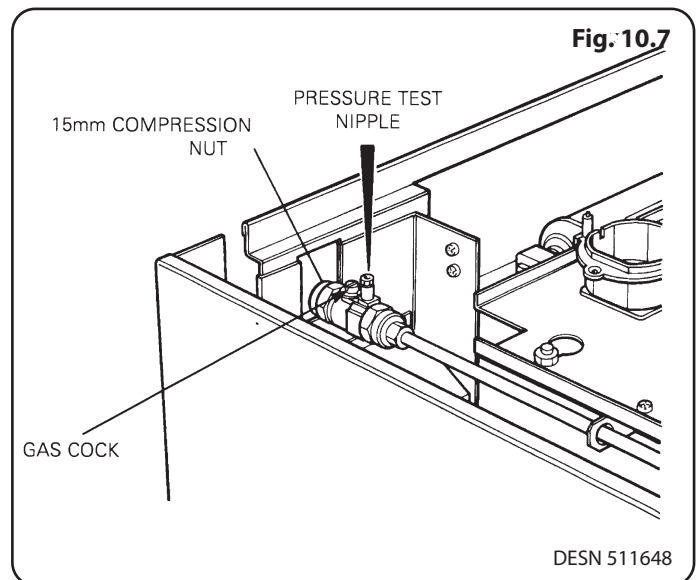
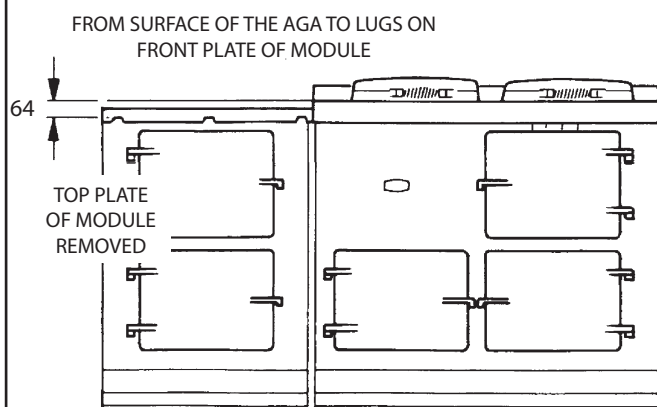
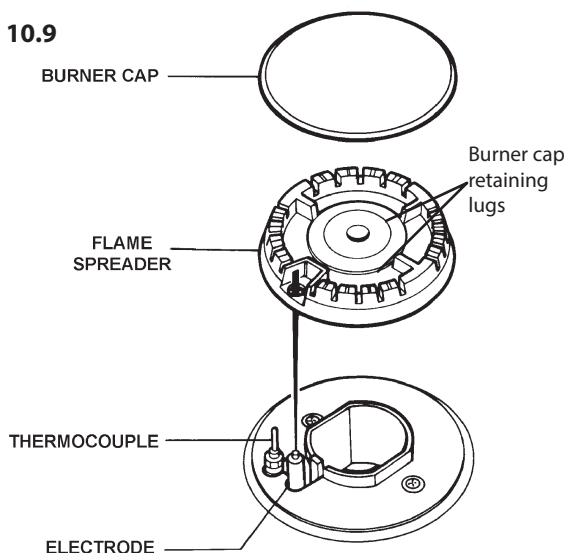


Fig. 10.8



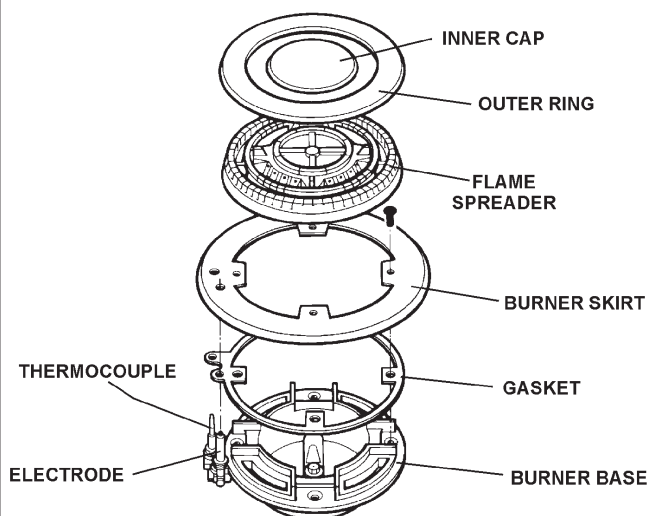
DESN 511255

Fig. 10.9



DESN 513513

Fig. 10.10



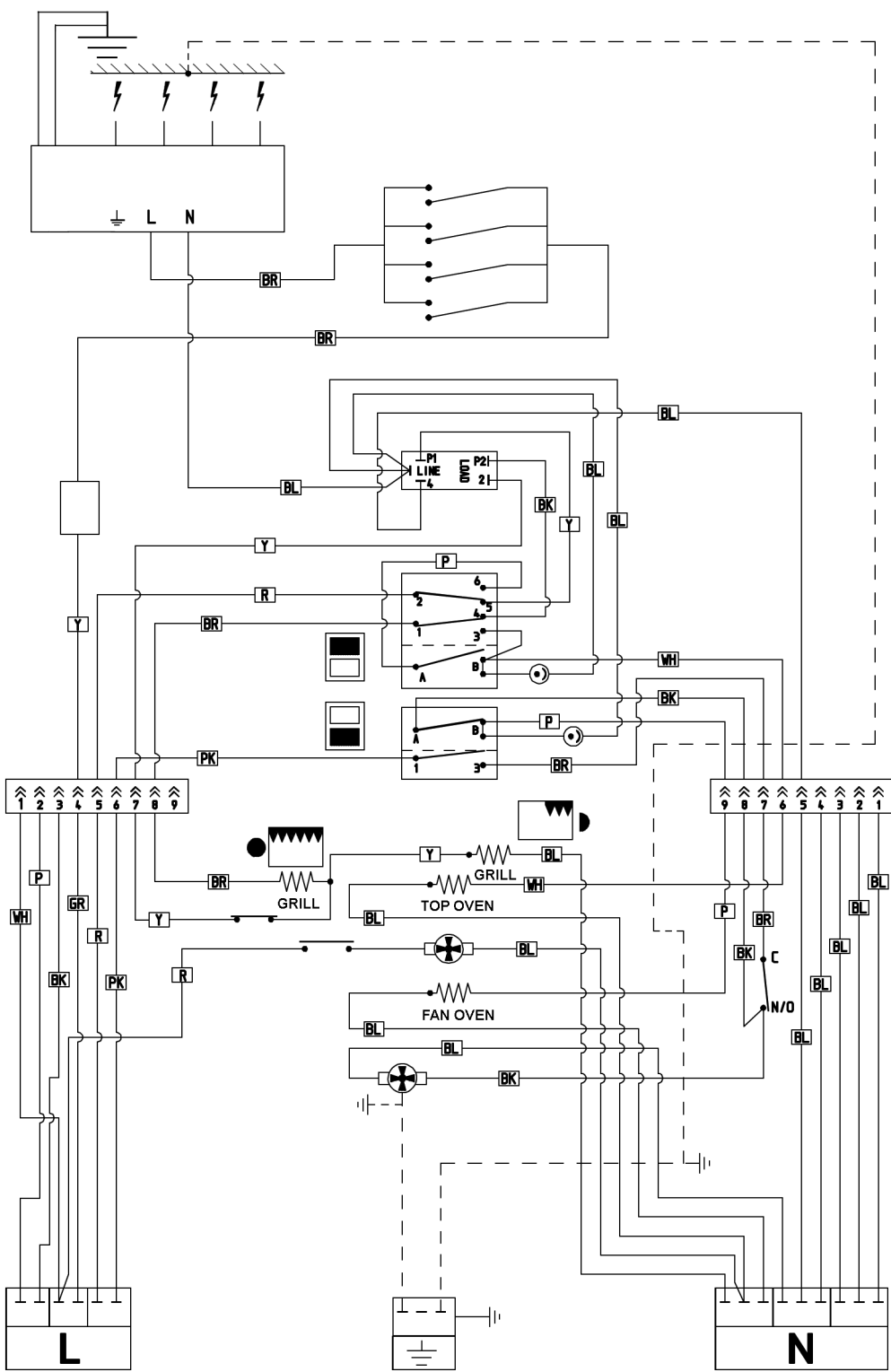
DESN 513898

Final Fitting

1. Proceed with the main AGA build in accordance with normal practice until a check can be made that the Module front plate and AGA front are the same height and that the distance between the two units has been maintained. If not, adjustment should be made to the Module position.
2. Levelling of the simmering plate on the main cooker can be carried out with its top plate in position and verified across the Module. (See **Fig. 10.8**).
3. Complete the main cooker build and loosely screw down the top plate.
4. Apply tape (provided) to the underside of the lap strip on the Module top plate.
5. Replace module hotplate. Reassemble in reverse order and reconnect top plate wiring harnesses into snap in connectors mounted in chassis. Ensure burner heads and burner caps are correctly located (See **Fig. 10.9** and **Fig. 10.10**), and electrodes are not damaged.
6. Replace Module top plate as follows:-
 - A. Support top plate at front and reconnect the Earth and wiring to the two neons.
 - B. Carefully lower the top plate into position taking care not to damage wiring or neons.
 - C. Ensure holes for control spindles are aligned correctly, and replace 2 screws into control panel.
 - D. Loosely screw the top plate down with 4 retaining screws.
7. Verify that the two top plates are level and proceed with tightening down.
8. Finally tighten both top plates.

Commission the main AGA cooker, as stated in the relevant Installation Instructions and carry out functional tests on each of the features on the Module. (See Users Instructions).

11. Circuit Diagram



EGLL211618 C

Code	Colour
BR	Brown
BL	Blue
GR	Grey
BK	Black
Y	Yellow
P	Purple
PK	Pink
R	Red
WH	White

NOTE:

1. IGNITION SWITCHES AND THERMOSTATS ARE SHOWN IN THE OFF POSITION WITH THE APPLIANCE COLD AND FAN OVEN DOOR CLOSED.
2. THE COOKER IS COLD (IE. CUT-IN & CUT-OUT NOT OPERATED)

12. Technical Data

HOTPLATE - Natural Gas G20 APPLIANCE CATEGORY I2H				
	Right-hand Front	Left-hand Rear	Right-hand Rear	Left-hand Front
Burner type	ULTRA - RAPID	RAPID	SEMI - RAPID	SEMI - RAPID
Maximum heat input	3.5 KW	3.0 KW	1.75 KW	1.75 KW
Injector marking	130	116	097	097

Pressure point position : Rear Left-hand side of the appliance, at hotplate level

Pressure setting : 20 mbar (2 kPa)

Burner ignition : H.T. Spark

APPLIANCE CATEGORY I ₃₊				
	Right-hand Front	Left-hand Rear	Right-hand Rear	Left-hand Front
Burner type	ULTRA - RAPID	RAPID	SEMI - RAPID	SEMI - RAPID
Maximum heat input	3.5 KW (250 g/h) (0.50 l/h)	3.0 KW (214 g/h) (0.42 l/h)	1.75 KW (125 g/h) (0.25 l/h)	1.75 KW (125 g/h) (0.25 l/h)
Injector marking	95	85	65	65

Pressure point position : Rear Left-hand side of the appliance, at hotplate level

Pressure setting : G30 : 28 - 30 mbar G31 : 37 mbar (Butane - Propane G30/G31)

(Butane-Propane G30/G31 @ 2.8 kPa South Africa)

Burner ignition : H.T. Spark

ELECTRIC GRILL AND OVENS: 230V, 50Hz SINGLE PHASE, 30 AMP	
Grill element power rating	2 x 1.05 kW
Top oven power rating	1.0 kw
Lower oven (fanned)	1.4 kw

14. Checklist

Hand these instructions to the user for retention, and instruct in the safe operation of the appliance.

Serial No.								Tick Box / Not Applicable (N/A)
Check hotplate lids and settings.								
Check oven door seals, adjust door alignment if necessary.								
Baking and Simmering oven rope seals MUST have a gap between the door hinges. The Roasting Oven is fitted with a continuous seal.								
Ensure Roasting Oven roof baffle is fitted in the correct position.								
Ensure any plastic film is removed from the inside of the oven doors.								
Gain access to controls tray and check mains voltage. DO NOT remove any electrical covers to access mains lead. Terminal measurements can be made through small holes in the cover.								
Record voltage	1PH		3PH		3PH		3PH	
		L1		L2		L3		
Ensure vent pipe routing complies with the Installation Instructions.								
Record routing								
Measure vent pipe run and calculate fan speed voltage. Ensure vent pipe routing complies with the Installation Instruction.								
Record routing								
Record vent speed voltage								
Switch on cooker, set controls to manual and turn on all cooking zones and vent fan. Raise hotplate lids to avoid staining.								
Turn on all cooking zones. Refer to lighting procedure for oven burner. Raise hotplate lids to avoid staining.								
During warm-up, slow flashing indicator lights will be observed.								

After 1 hour, check oven and hotplate thermocouple temperatures using Engineers Handset (approx.).	
1. Hotspot (330 - 380°C)	
2. Simmerspot (200 - 250°C)	
3. Roasting Oven (235 - 245°C)	
4. Baking Oven (180 - 185°C)	
5. Simmering Oven (95 - 115°C)	
During warm-up period, check customer's handset handshakes and instruct customer on it's application and operation.	
If applicable, attach warning hanger (EGLL516660) to handrail when installation is complete. Advise customer to remove and read warning hanger.	
Check oven burner for flame stability	
Guide customer through the Users Instructions of the appliance, offering best practices on oven maintenance, energy usage, enamel cleaning (boiled vegetable water staining on enamel etc.)	
Engineer's Signature Date	

7. Servicing

- To keep your Aga appliance running efficiently we recommend that it is regularly serviced by an Approved Aga engineer. Approved Aga engineers have been factory trained and always use genuine Aga spares
- In the event of requiring maintenance, please call AGA Service or your authorised distributor.
- Your appliance **MUST** only be serviced by a qualified engineer from AGA or an authorised distributor.
- **DO NOT** alter or modify the appliance.



A hot appliance cannot be serviced.

Service intervals to maintain the appliance warranty are as follows:

- An interim service is due at 2 ½ years (30 months) to check and change consumable items, and to undertake a safety check.
- A full service is due at the end of year 5 (60 months). The appliance does not cover Commercial use (see separate warranty book provided for further details).

Spare Parts

To maintain optimum and safe performance, we recommend that only genuine AGA spare parts are used. These are available from most major spares stockists, including ourselves.



AGA CLOUD, THE FIRST AGA RECIPE APP

Download **AGA Cloud** to view a host of delicious step-by-step recipes tailored to your AGA appliance.

Available only in the United Kingdom and Ireland.



With AGA Rangemaster's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the appliances described and illustrated at any time.



Manufactured By
AGA Rangemaster
Station Road
Ketley Telford
Shropshire TF1 5AQ
England

www.agaliving.com
www.agacookshop.co.uk

