



# **AGA DUAL CONTROL DC3G (POWER FLUE)**

## **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.

**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 NEIGHBOR'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.**

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



**For use in USA & CAN**

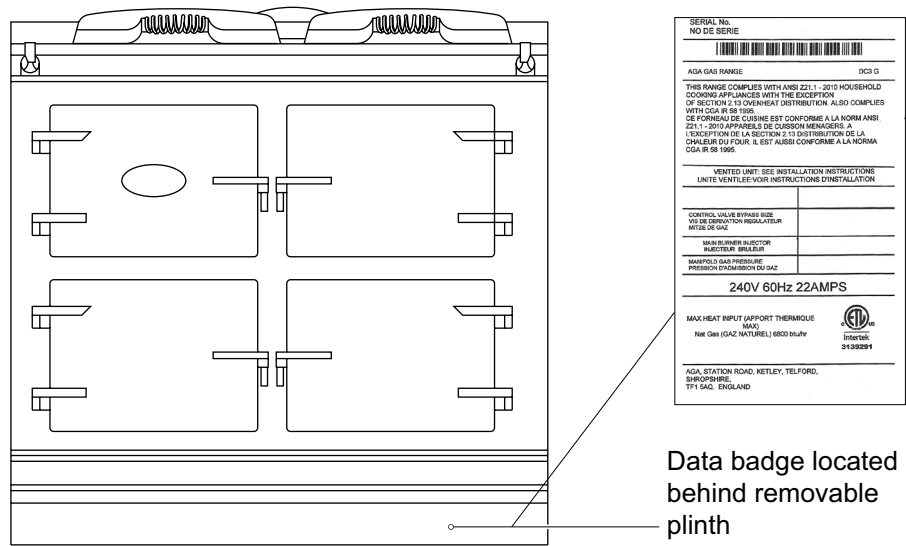
04/18 EINS 516911

# My AGA Details:

Serial No:

AGA Service No:

Date of Installation:



Data badge located  
behind removable  
plinth


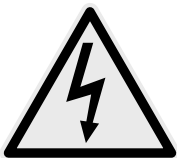




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# 1. Product Safety

Meaning / Description	Symbol	Signification / Description
<b>WARNING / CAUTION</b> An appropriate safety instruction should be followed or caution to a potential hazard exists.		<b>AVERTISSEMENT</b> Une consigne de sécurité appropriée doivent être suivies ou garde d'un danger potentiel exists.
<b>DANGEROUS VOLTAGE</b> To indicate hazards arising from dangerous voltages.		<b>TENSION DANGEREUSE</b> Pour indiquer les dangers résultant des tensions dangereuses.
<b>PROTECTIVE EARTH (GROUND)</b> To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth (ground) electrode.		<b>TERRE DE PROTECTION</b> Pour marquer bornes destinées à être raccordées à un conducteur de protection extérieur contre les chocs électiques en cas de défaut d'isolement, ou pour marquer la borne de la terre de protection.
<b>HEAVY</b> This product is heavy and reference should be made to the safety instructions for provisions of lifting and moving.		<b>LOURD</b> Ce produit est lourd et doit être fait référence aux consignes de sécurité relatives aux dispositions de soulever et déplacer.
<b>DISCONNECT MAINS SUPPLY</b> Disconnect incoming supply before inspection or maintenance.		<b>APPAREIL À LASER DE CLASSE 2</b> Alimentation d'entrée Débrancher avant inspection ou d'entretien.
<b>REFER TO MANUAL</b> Refer to relevant instructions detailed within the product manual.		<b>ATTENTION, SURFACE TRÈS CHAUDE</b> Reportez-vous aux instructions applicables, indiquées dans le manuel du produit.

# Important Safety Instructions



**INCORRECT USE OF THIS RANGE CAN INCREASE THE RISK OF FIRE, ELECTRIC SHOCKS OR INJURY TO PERSONS.**

**PLEASE READ THE FOLLOWING PRECAUTIONS TO REDUCE THESE RISKS.**

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

## **ALWAYS**



Always make sure children are never left alone or unsupervised when the range is on.

Always be aware that range surfaces will be hot during and after use and can cause burns.

Always teach children that the range and utensils can be hot.

Always allow heavy and hot utensils to cool in a safe place and out of reach of small children.

Always be aware hot grease is flammable. Wipe off any grease deposits on the range top and front.

In the event of a grease fire, do not remove the pan, cover the pan to extinguish the flame.

Always turn utensil handles inwards but not cover adjacent heated surfaces, to prevent accidental spillage and burns.

Always when opening an oven door, allow hot air and steam to escape.

Always use dry pot holders. Moist pot holder will cause steam burns. Do not use towels or other cloths near the heated plates.

Always clean ventilation hoods frequently, grease should not be allowed to accumulate in hood and filters.

Always make sure cabinet and work surface are capable of supporting heavy cooking utensils used on your range.

Always make sure cooking utensils are suitable for range top service. Only certain types of glass, glass ceramic earthenware/glazed utensils with stand sudden temperature changes without breaking.

Always make sure your appliance is properly installed and grounded by a qualified technician.

Always make sure your appliance is serviced by a qualified technician.



## **NEVER**

Never store items of interest to children above the range.

Never allow children to climb on, sit or stand on any part of the range.

Never allow children to play with the controls or any part of the range.

Never wear loose fitting clothing or other flammable materials that could contact hot surfaces on the range.

Never leave boiling pans unattended, boil over causes smoking and greasy spillovers may ignite.

Never store gasoline or other volatile liquids in the range or in cabinets above or near the range, which can catch fire or explode.

Never use water on grease fires. Smother fire or flame or use a dry chemical or foam type extinguisher.

Never use your appliance for warming or heating the room.

Never repair or replace any part of the appliance unless recommended in this manual. All other servicing should be carried out by a qualified technician.

Never cover or restrict the air flow to the controls compartment.

Never install cabinets (shelves) or similar above the range with a depth greater than 13" (330mm).

Never heat unopened food containers. Pressure build-up may cause the container to burst and cause injury.

Never reach directly into a hot oven to add or remove cooking utensils. Instead pull the grid shelf out to its maximum projection.

Never use a steam cleaner to clean your range.

Never use a power spray or oven cleaners on the control panel.

Never use caustic cleaners, abrasive pads or metal scrapers to clean enamel surfaces.

# 1. Health and safety

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## 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.

**⚠ NEVER store flammable materials in the drawer. This includes paper, plastic and cloth items, such as cookbooks, plastic ware and towels, as well as flammable liquids. DO NOT store explosives, such as aerosol cans, on or near the appliance.**

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

**⚠ DO NOT modify this appliance.**

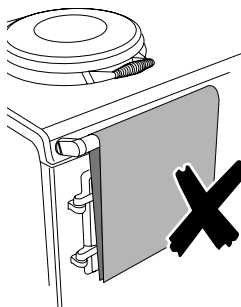
**⚠ NEVER place anything aluminium between the saucepan base and the ceramic surface (i.e. cooking mats, aluminium foil, etc).**

**⚠ 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 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

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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.

Your new AGA Dual Control gives you everything you love about the AGA heat storage range, but with the added convenience that the two hotplates can be turned on or off, as required.

Refer to the diagram in the Overview chapter to familiarise yourself with the product and refer to the relevant sections for the ovens, plates, controls etc.

Made in the heart of Shropshire, your AGA range, like the generations of ranges before it, has been manufactured from cast iron at the Coalbrookdale Foundry. Traditional iron-making skills combined with industrial strength hotplate elements enable the hotplates to heat up rapidly, so you can have them both on, or just one on, depending on the time of day or the size of your family.

The cooking excellence of the AGA range has been famous since its inception in the 1920's and is renowned due to the indirect radiant heat that its cast iron emits rather than just air temperature. And, if you haven't found out already, you'll soon discover that food that is cooked this way retains its natural flavour and succulence, and simply just tastes better.

### **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.

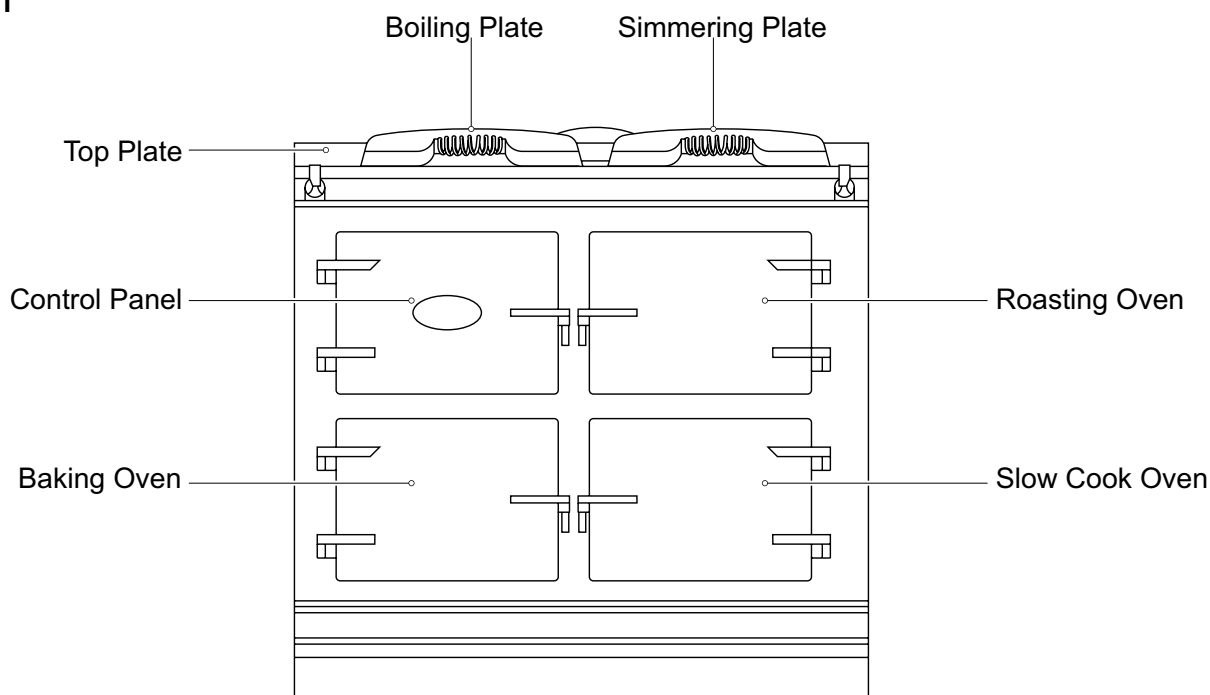
A little smoke and some odour may be emitted when first switched on. This is normal and harmless (from oven lagging and starch binder on the element insulation) and will cease after a short period of use.

### 3. Overview

**WARNING: ACCESSIBLE PARTS MAY BECOME HOT DURING USE. TO AVOID BURNS AND SCALDS CHILDREN SHOULD BE KEPT AWAY.**

#### AGA DC3G

**Fig. 3.1**



DESN 517448

The AGA DC3G has the traditional cast iron ovens with independently controlled hotplates.

#### Hotplates

The two hotplates are at different heats; the boiling plate being the hottest of the two and the simmering plate is a lower heat. Each plate is individually controlled.

#### Boiling Plate

The boiling plate is used for making toast, boiling a kettle, stir-frying and cooking at a higher heat.

#### Simmering Plate

The simmering plate is for slower cooking, such as sauces, simmering pans and can also be used to cook on directly for toasted sandwiches, drop scones, no-fat fried eggs and quesadillas.

#### Roasting Oven

The hottest oven for high temperature cooking; pastries breads, roasting of meat, vegetables and poultry, grilling at the top of the oven and frying on the floor.

#### Baking Oven

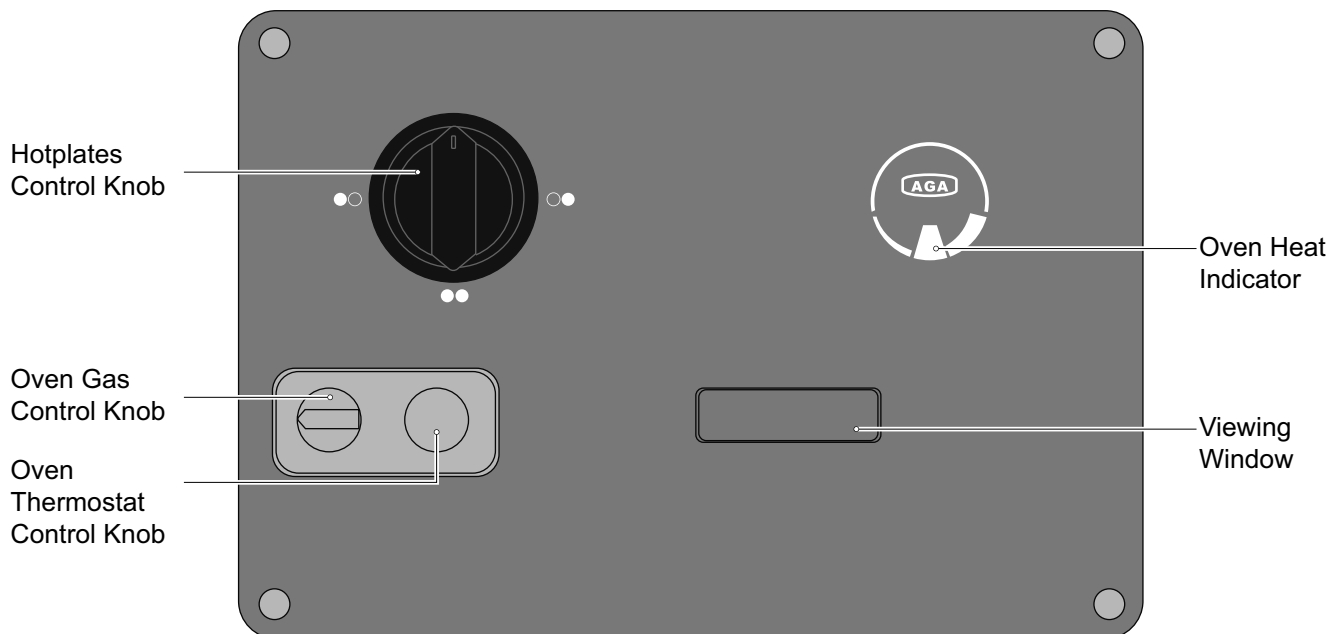
A moderate oven for cooking cakes and biscuits, baking fish, lasagne or shepherds pie, plus roasting meat and poultry at a medium heat. Cooking sweet and savoury together is no problem as the flavours do not mix.

#### Slow Cook Oven

Long, slow cooking in the Slow Cook Oven develops flavours and makes the toughest meat tender. It's large capacity means several pans can be stacked here; soup, casserole, steamed rice, steamed carrots and poached pears all cooking simultaneously, without any danger of burning.

## 4. Operating the AGA Dual Control

Fig. 4.1



DESN 516865

The different zones of the AGA Dual Control range are described in the following pages.

The traditional AGA heat storage range is famous for the gentle warmth it emits, with the AGA Dual Control you will get warmth only when the ovens are on or warm to a lesser degree, when the hotplates are on.

### Thermostat Control - Oven

Your AGA Dual Control has three ovens, each of which is pre-set at a different heat. They are named as:-

- **Roasting Oven** for high temperature cooking
- **Baking Oven** for moderate temperature cooking
- **Slow Cook Oven** for low temperature cooking

**⚠ DO NOT OPERATE THE APPLIANCE WITH THE DOORS OPEN.**

Each oven has the same capacity, (able to fit a 13kg (28lb) turkey. The AGA Dual Control range techniques can be used such as stacking of saucepans in the simmering oven. This enables the steaming of root vegetables, rice, steamed pudding, casserole, poaching fruit all in the one oven leaving the hotplates free and reducing steam and cooking smells in the kitchen.

The ovens are made from cast iron, which cooks by radiant heat, and this is the secret of the cooking excellence for which the AGA range is renowned. An indirect radiant heat does not dry food out, so it retains its natural moisture and flavour.

## Oven Heat Indicator

The oven heat indicator is a guide to the stored heat within the AGA, and does not directly relate to the oven temperature of the roasting oven.

An AGA is designed to work continuously at an optimum heat setting.

The optimum performance is usually achieved when the indicator displays the colour green. For best cooking performance wait until the AGA contains the full amount of stored heat, which is indicated by the windows being completely filled with the colour green (**Fig. 4.2**). This may take some time to achieve and can take approximately 2 - 3 hours between use for full recovery.

**NOTE!** Because of the temperature cycling, the green band will move and display graduated section at times. This is perfectly normal (**Fig. 4.3**). Cooking can be started during the graduated part of the cycle but it may take longer to achieve the desired result.

The lower temperature is indicated by the colour amber and cycles in the same way as full power (**Fig. 4.4**).

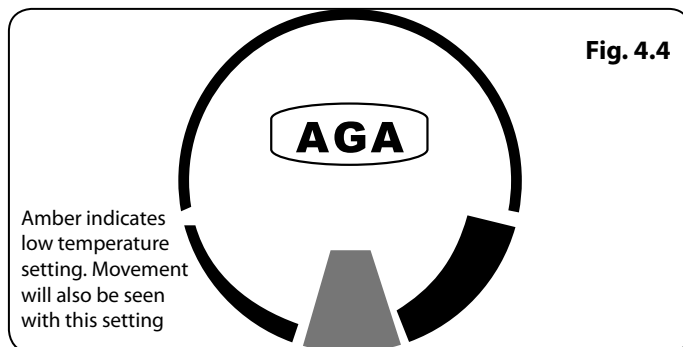
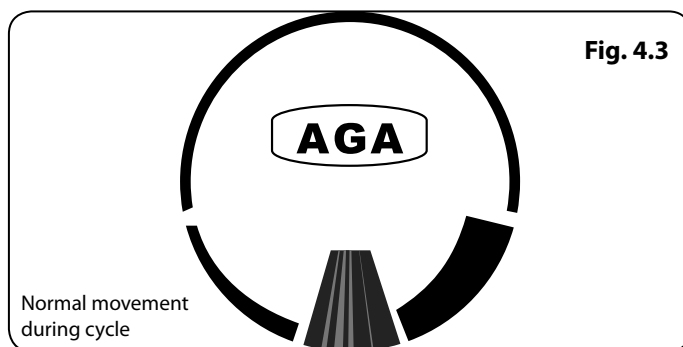
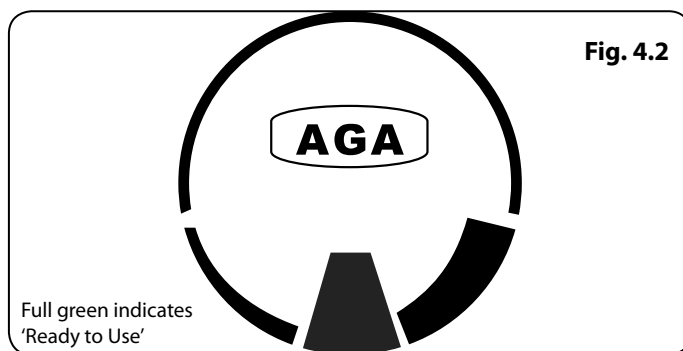


Fig. 4.5

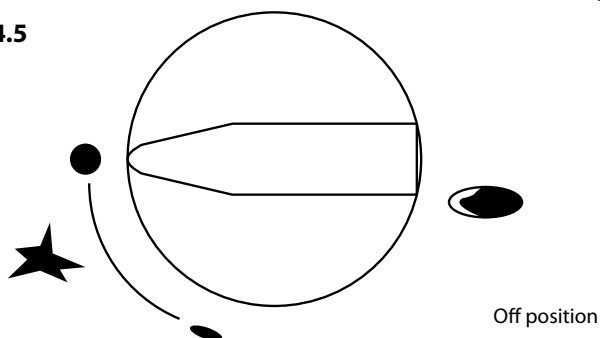


Fig. 4.6

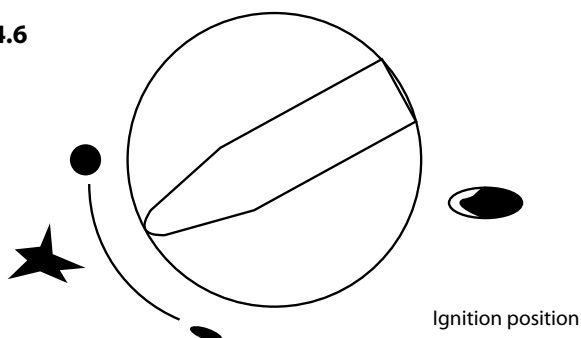


Fig. 4.7

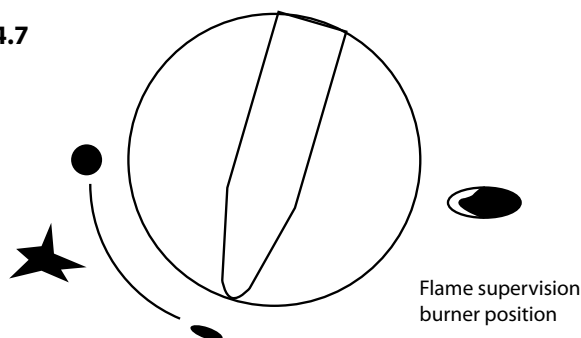


Fig. 4.8

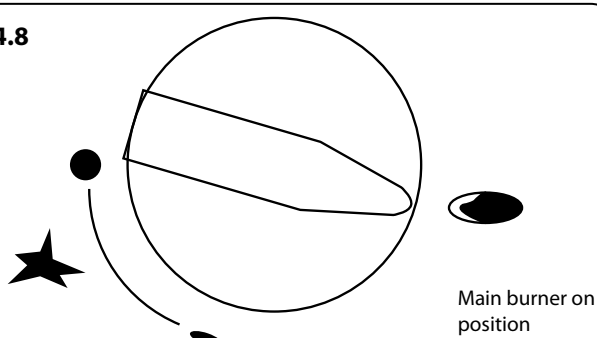


Fig. 4.9

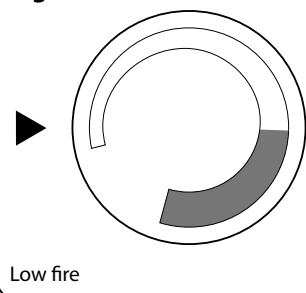
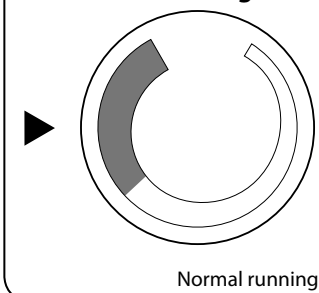


Fig. 4.10



## Burner Controls

### To Light the Burner

1. The main burner gas flow is set with the oven thermostat control knob (Fig. 4.1). First ensure both knobs are turned fully clockwise. Oven gas control knob to the OFF position oven thermostat control knob to the minimum setting (thin end of white band).
2. Turn oven gas control knob slightly anti-clockwise towards the ignition position (☆) until reaching stop, press down and hold for 5 seconds. (Fig. 4.6 page 7).
3. Continue pressing down knob while turning further anti-clockwise to the (●) position (Fig. 4.7 page 7) (this activates the spark ignitor) continue to hold down for 10 seconds after flame supervision burner has been lit. (If it does not light, steps 2 and 3 can be repeated, this can be viewed through the viewing window).
4. Upon lighting, release knob and turn further anti-clockwise to the (●) symbol (Fig. 4.8 page 7). Main burner gas flows according to the thermostat setting.
5. Turn the oven thermostat control knob slightly anti-clockwise into the green band for normal running (Fig. 4.10).

**⚠ IMPORTANT! Please note that the fan will run on high speed for approximately 20 minutes from a cold start. The fan may appear noisy during this warm up period; however this will decrease when the appliance reaches normal operating temperatures.**

**NOTE:** Low fire position is attained by turning oven gas control knob gradually into the white band until small flame along main burner is observed through viewing window.

**NOTE:** It will take up to 24 hours for all ovens to reach operating temperature, the oven heat indicator may display green before this (refer to page 6 regarding heat indication display). Once the oven temperatures are at operating temperature it may be necessary to make fine adjustment to the oven control knob to achieve the desired temperatures. It is not advisable to make further changes to the control knob once the desired temperature is achieved.

When the range is lit from cold, moisture may form on the enamel which should be wiped off to prevent staining.

**IF THE FLAME HAS EXTINGUISHED FOR ANY REASON, WAIT THREE MINUTES (MINIMUM) AND REPEAT THE LIGHTING PROCEDURE.**

## To Extinguish the Burner

1. Turn ON/OFF gas control knob clockwise until reaching stop (●) position.
2. Press down slightly and continue turning clockwise from (●) position to the OFF position (**Fig. 4.5 page 7**)

When the burner has cooled sufficiently, lighting procedure may be repeated.

## Power failure

During power failure your appliance will not work until power is restored and the appliance will automatically resume with the selected functions. At any time should the appliance not operate any selected function during normal operating conditions, turn off the function at its control knob and contact AGA Service or your local AGA Specialist.

## General Advice

When first switched on, the AGA will emit an odour for a short while. This is simply due to protective oil burning off the hotplates. Wipe the inside of the lids whilst the AGA is heating up to avoid a film of this oil being deposited on the inside.

The following points are intended to help in adapting to the AGA style of cooking during the change-over from a previous non-heat storage range. The AGA book provides a very useful introduction to the range.

For the most effective operation of the range, the following points should be carefully observed:

1. Close the insulating cover lids whenever the hotplates are not in use.
2. Clean the hotplates regularly with the wire brush.
3. Utensils with flat bases must be used to make perfect contact with the hotplate.
4. Take care when closing the oven doors, to lift them onto the catch.
5. Cook as much as possible in the ovens so that heat is conserved and cooking smells and condensation are reduced.
6. The oven doors should not be left open for long periods of time during cooking and heating up.
7. The roasting oven can also be used for 'grilling' and 'shallow frying' on the oven floor.
  - For optimum cooking performance, use the AGA utensils and cast iron cookware. They have flat bases which give the best contact with the hotplates and the oven floor.
  - The AGA pans can be stacked in the simmering oven. This is especially useful for steaming vegetables and keeping sauces warm.
  - Store the plain shelf out of the AGA. Use it cold in the roasting oven to deflect the heat from the top of the oven, creating a more moderate oven temperature underneath. It can also be used as a baking sheet.
  - A guide to AGA cooking is given on **"Cleaning & Caring for your Range" on page 16**. Ask your AGA Specialist for an invitation to an AGA demonstration.

## 5. AGA Accessories

**Fig. 5.1**



To get the very best performance from your range we recommend AGA saucepans with the thick tri-core bases and stacking lids so that the maximum use of oven space is made and an AGA kettle for boiling water. AGA Accessories can be viewed at your AGA Specialist or online at [www.agacookshop.co.uk](http://www.agacookshop.co.uk)

### Getting to know your AGA

If you have not already seen a demonstration, ask your AGA Specialist for details. A demonstration will show you how to get the best from your new AGA and will give you hints and tips. You will also see a selection of AGA utensils and accessories being used.

### Large Size Roasting Tin with Grill Rack (Fig. 5.1)

This is designed to slide onto the oven runners without the need for it to sit on an oven grid shelf. The roasting tin can be used with the grill rack, in its high position, for grilling at the top of the roasting oven. It can be used for roasting meat, or poultry with or without the grill rack. Large quantities of roast potatoes can be cooked in this tin. The roasting tin can also be employed for making large traybakes or cakes. The grill rack is useful on its own as a cake cooling rack. Can be used in any oven but not recommended for hotplate use.

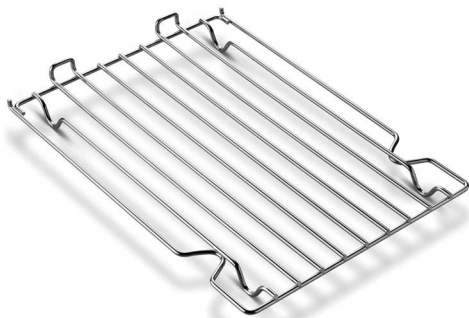
**Fig. 5.2**



### Half Size Roasting Tin and Grill Rack (Fig. 5.2)

This tin can be slid onto the oven runners width-ways or can sit on an oven grid shelf. The half size roasting tin can be used with the grill rack, in its high position, for grilling at the top of the roasting oven. It can be used for roasting smaller joints of meat, or poultry with or without the grill rack. Roast potatoes can be cooked in this tin. The roasting tin can also be employed for making traybakes or cakes. The grill rack is useful on its own as a cake cooling rack. Can be used in any oven but not recommended for hotplate use.

**Fig. 5.3**



### 3 Oven Grid Shelves (Fig. 5.3)

These are for inserting in each oven to provide a surface for dishes and tins which do not fit direct onto the oven runners. They can be used in any oven, as required. See page 20 on how to locate the oven shelves correctly.

**Fig. 5.4**



### 1 Cold Plain Shelf (Fig. 5.4)

This has two uses one as large baking sheet for scones, biscuits, pastry items and meringues and the other use as a heat deflector to cut off the top heat if food is overbrowning before it is cooked through.



**DO NOT STORE IN THE OVENS WHEN NOT IN USE.**

### **Toaster (Fig. 5.5)**

This is for toasting bread on the boiling plate. AGA toast is renowned for its excellence, crisp on the outside and soft in the centre. Take thick slices of bread and place in the AGA toaster - if the bread is very moist or very fresh, heat the toaster beforehand to prevent sticking - lift the boiling plate insulated cover and place the toaster direct onto the plate with the handle at an angle from the handle of the cover.

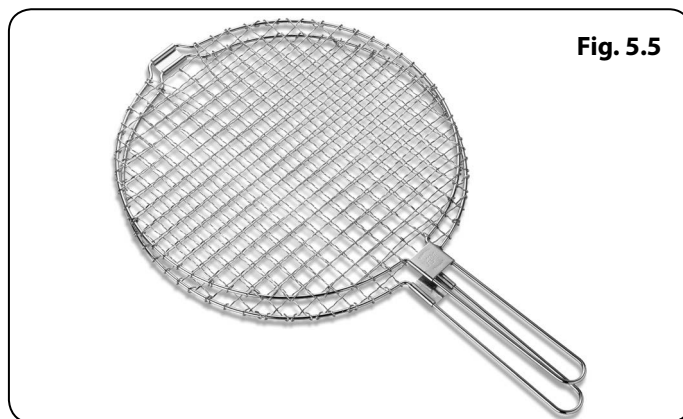
Close the cover and wait for the bread to toast one side - this will take 1-2 minutes dependent upon the variety of bread - open the cover and turn the toaster over and repeat the process to toast the other side. The toaster can also be used for heating pitta bread, toasting teacakes and as a cake cooling rack.

### **Wire Brush (Fig. 5.6)**

This is for cleaning the raw cast iron surfaces, keeping them clear of crumbs and burnt on debris – which would otherwise affect the boiling performance of pans and the kettle. Use on the hotplates and the ovens. Take care not to touch the enamel surfaces as the wire brush will scratch the finish.

### **Getting to know your AGA**

If you have not already seen a demonstration, ask your AGA Specialist for details. A demonstration will show you how to get the best from your new AGA and will give you hints and tips. You will also see a selection of AGA utensils and accessories being used.



**Fig. 5.5**



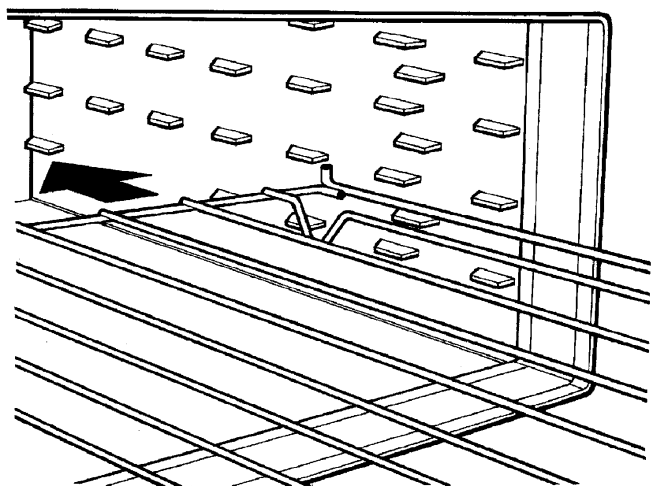
**Fig. 5.6**



## 6. Oven shelves

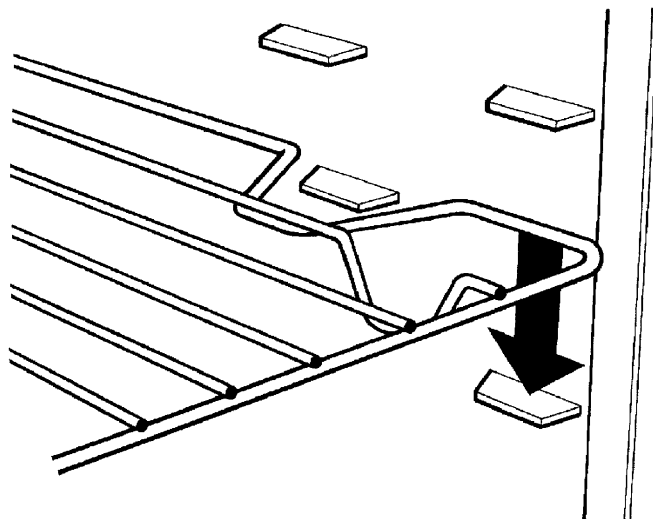
### Fitting the shelves

Fig. 6.1



DESN 512403

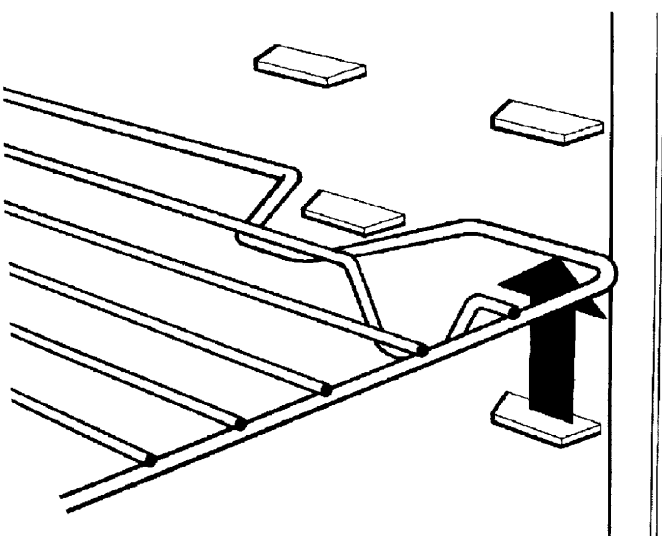
Fig. 6.2



DESN 512404

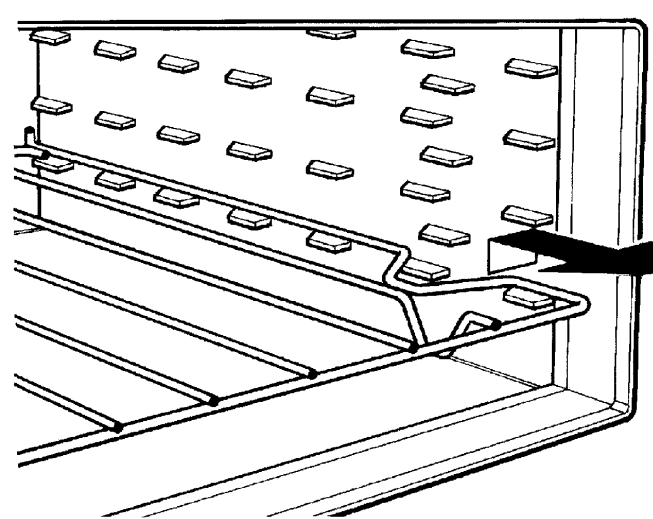
### Removing the shelves

Fig. 6.3



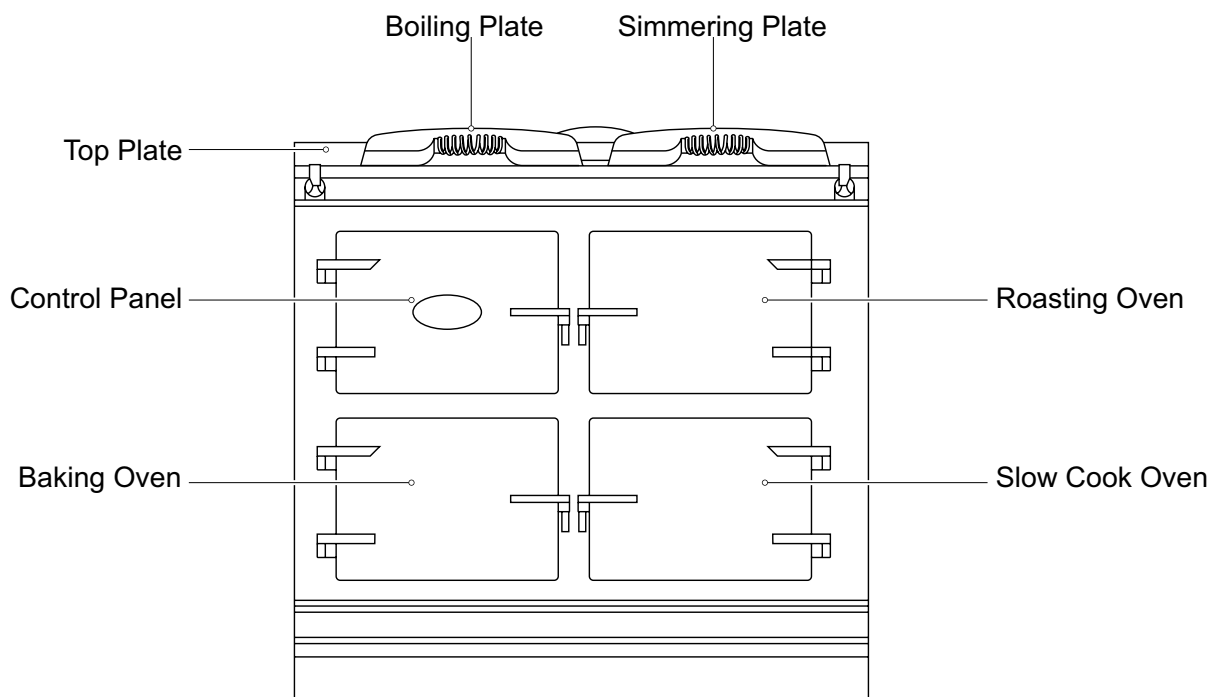
DESN 512405

Fig. 6.4



DESN 512406

## The Ovens



### The Roasting Oven

The roasting oven can be used for 'grilling' at the top and 'shallow frying' on the oven floor.

The roasting oven is zoned in heat, meaning it is slightly hotter towards the top than the centre and the oven grid shelf set on the oven floor is slightly less hot than the centre.

The beauty of the roasting oven is that any fat splashes are burnt off when the oven is at full heat, just brush out occasionally to get rid of carbon deposits.

The roasting oven is excellent for bread and pastries. Quiches in ceramic or pies in Pyrex dishes need not be baked blind as when they are placed on the floor grid on the base of the oven, the pastry cooks from underneath and the filling will set and brown from the all-round heat. As you are aware metal flan tins conduct heat quicker than ceramic so may need less cooking time.

The specially designed roasting tins and bakeware slide directly onto the runners, so almost every available square centimetre of space can be used. Food can be protected by the use of the cold plain shelf or shielded by means of the large roasting tin, which means that you can cook food that requires different temperatures at the same time. If food is browning too quickly and you do not want to move it to another oven just slide the cold plain shelf over the food to reduce the top heat.

## The Baking Oven

This oven is set at a moderate heat, so is ideal for cakes, biscuits and also anything that requires medium heat cooking such as fish pie, lasagne, soufflés, crumble and roulades. Meat and poultry can be cooked here in fact most things that can be cooked in the roasting oven can be cooked in the baking oven but for a longer time.

Cook cakes together on one shelf, if two shelves are used interchange the food to achieve even colouration, as you would with any oven which is zoned in heat.

As with the roasting oven the specially designed roasting tins and bakeware slide directly onto the runners, so almost every available square centimetre of space can be used. Food can be protected by the use of the cold plain shelf or shielded by means of the large roasting tin, which means that you can cook food that requires different temperatures at the same time.

If food is browning too quickly and you do not want to move it to another oven just slide the cold plain shelf over the food to reduce the top heat.

**NOTE: Always remove the cold plain shelf and roasting tins on completion of cooking. If left in the oven it will affect the oven temperature.**

When using the roasting oven for a long period of time i.e. a full meal, the baking oven temperature may rise, it will

therefore be necessary to adjust the cooking procedure, the following suggestions may prove useful.

1. When placing the food in the baking oven, ensure the cold plain shelf is set directly above the dish, for the whole of the cooking time.
2. In addition it may be necessary to lower the shelf position.
3. When baking food, such as very rich fruit cakes, which require a long period of cooking time, place the cake on the fourth grid shelf position of the oven with the cold plain shelf set directly above for 3/4 hour approximately. Move the plain shelf to the middle of the simmering oven. Transfer the cake to this shelf and bake until cooked through.
4. Alternatively, allow the baking oven to cool for approximately 4 hours before using.

## Slow Cook Oven

The Slow Cook Oven can be described as a continuation oven, it continues to cook food that has been brought up to heat elsewhere on the range with the exception of meringues which are dried out rather than 'cooked'.

- To get the very best performance, we recommend to use the AGA cookware with thick bases and stacking lids.
- Joints of meat and poultry should be brought up to heat ideally in the roasting oven for 30 - 45 minutes, then transfer to the simmering oven. This method is unsuitable for stuffed meat and poultry.
- Make sure that pork and poultry reach an internal temperature of at least 75°C.
- Always bring soups, casseroles and liquids to the boil before putting in the oven.
- Always thaw frozen food completely before cooking.
- Root vegetables will cook better if cut into small pieces.
- Adjust seasonings and thickenings at the end of the cooking time.
- Many dried pulses and beans for example, dried red kidney beans must be boiled for a minimum of 10 minutes, after soaking, and before inclusion in any dish.

# The Plates

## Top Plate

The top plate is the enamelled surface surrounding the hotplates. It will become warm when the AGA Dual Control hotplates are in use. Although it is not a cooking surface you can use the warmth for a number of useful activities, which more often than not save times and washing-up! These include warming honey or syrup in the jar, or melting butter or chocolate in a basin - so saving on melting over a saucepan - but do please put the basin on a cork mat or folded piece of kitchen towel to avoid scratching the enamel. Although it is durable and hard-wearing surface vitreous enamel is glass and will show scratch marks!

The top plate when warm can also be used to rest a cup of coffee or tea or dry off awkwardly shaped tins, peelers or food mixer and processor parts.

## Hotplates

The hotplates operate separate from the ovens and are independent of each other.

The boiling plate is on the left hand side and the simmering plate is on the right hand side of the AGA Dual Control. The boiling plate is the hottest with the simmering plate being the cooler of the two. They both have electric elements embedded into the cast iron which heat up in approximately 11 and 8 minutes respectively. The hotplates can be used completely independently from the ovens.



This means the AGA Dual Control differs from the traditional AGA heat storage range in that they can be used for the entire cooking time of appropriate dishes because the design keeps the hotplates at a constant heat, whereas the traditional AGA range continues to cook on a falling heat so for these we recommend starting on the hotplates then transferring to the ovens, this can be done with the AGA Dual Control but is not necessary. For instance, if making a pasta dish with sauce on the AGA Dual Control, it can all be done on the hotplates.


The whole hotplate area can be used for cooking and several pans can be accommodated on a single plate at any one time. The hotplates are set very slightly above the top plate to avoid accidental scratching if the pans are pulled to one side. **DO NOT** drag the utensils from one plate to another as the enamel will suffer!

The stainless steel insulated covers are brought down over the hotplates when they are not in use. When the hotplates are 'on' the insulated covers will be warm. We strongly advise not to put anything such as kettles, saucepans or baking tins directly onto the insulated covers because they will show any scratches - invest in a pair of chef's pads to protect the surface if the covers are to be used as resting places!

Keep the hotplates clear of any burnt on food or crumbs by brushing with the wire brush, supplied with your AGA. Cleaning details can be found on Page 21.

## Hotplate Control

To operate the boiling plate turn the control knob to the  position and similarly to  the for the simmering plate.

To turn both plates on turn knob to  position.

## Boiling Plate

The hottest hotplate, the boiling plate is used for boiling, griddling, stir-frying, making toast - indeed anything that requires a high heat. Green vegetables keep their colour when boiled quickly here, or use a steamer over the saucepan to cook more than one vegetable at once.

When stir-frying or cooking anything that is inclined to splash we would recommend using an AGA Splash Shield which will protect the insulated cover from splatter, making cleaning a doddle! Just wash the Splash Shield in hot soapy water or place in a dishwasher between two dinner plates.

Please be advised the boiling plate is too hot to cook food on directly.

## Simmering Plate

The simmering plate is the cooler of the two hotplates and so is used for recipes that require a lower heat such as making sauces, scrambling eggs, heating milk, slow frying, simmering soups and root vegetables. In addition, it can be used to cook on directly as a form of griddle - invaluable for toasted sandwiches, quesadillas, soups, drop scones, searing scallops and even a non-fat fried egg! Slow cooked toast can be made on the simmering plate, no need here to use the AGA toaster.

The same size as the boiling plate, the simmering plate is also machined flat to give the best all-over contact with the AGA saucepans, grill pan, frying pan and kettle.









Cleaning details can be found on **"Cleaning & Caring for your Range" on page 16.**

## 7. AGA Ovens - Cooking Table







FOOD	OVEN TEMPERATURE
<b>ROASTING OVEN</b>	<b>HIGH</b>
<b>Grilling</b> <b>Scones</b> <b>Pastries</b> <b>Bread</b> <b>Yorkshire puddings</b> <b>Roasts</b> <b>Shallow frying</b>	<ul style="list-style-type: none"> <li>• Top - grilling</li> <li>• 2nd runner - scones, small pastries, grilling</li> <li>• 3rd runner - bread rolls, Yorkshire pudding</li> <li>• 4th runner - roasts, poultry</li> <li>• Oven grid shelf on base of oven - bread loaves, pies, roast vegetables</li> <li>• Floor grid on base of oven - quiches, pies</li> </ul>
<b>BAKING OVEN</b>	<b>MODERATE</b>
<b>Cakes</b> <b>Biscuits</b> <b>Fish</b> <b>Shepherds pie, Cottage pie</b> <b>Lasagne</b> <b>Soufflés</b> <b>Shortbread</b>	<ul style="list-style-type: none"> <li>• Towards top - whisked sponges, some biscuits, small cakes</li> <li>• Middle - fish, soufflés, shepherd and cottage pie, lasagne</li> <li>• Oven grid shelf on base of oven</li> <li>• Victoria sandwiches, shortbread, traybakes and cheesecake</li> </ul>
<b>SLOW COOK OVEN</b>	<b>LOW MODERATE</b>
<b>Casseroles</b> <b>Stock</b> <b>Milk puddings</b> <b>Meringues</b> <b>Rich fruit cake</b>	<p>For casseroles, stock, milk puddings and similar dishes bring to heat elsewhere on the AGA then transfer to the slow cook oven (one exception is meringues). Rich fruit cakes can be cooked here for a, long time on the oven grid shelf placed on the base of the oven.</p>

## 8. Cleaning & Caring for your Range

**WARNING: ACCESSIBLE PARTS MAY BECOME HOT DURING USE. TO AVOID BURNS AND SCALDS CHILDREN SHOULD BE KEPT AWAY.**

-  **REMEMBER: be careful of the hot appliance.**
-  **For most cleaning it is best when the appliance is turned off.**
-  **DO NOT use a steam cleaner to clean this range.**
-  **DO NOT use abrasive pads, caustic cleaners, oven cleaners or metal scrapers to clean the surfaces of the enamel.**
-  **IMPORTANT: AGA recommend Vitreous Enamel Association approved cleaners for cleaning the vitreous enamelled surfaces of this product.**
-  **When cleaning use as little water as possible.**
-  **DO NOT immerse the doors in water as they are packed with insulating material, which will be damaged by excessive moisture.**
-  **DO NOT put oven doors or resting plates in a dishwasher.**

### Enamelled cast iron

-  **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](http://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](http://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 range 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 and the polished covers will scratch if pans or utensils are dragged across them.**

To keep the vitreous enamel surfaces of the range bright and clean, a daily rub over with a damp soapy cloth followed immediately with a clean, dry cloth to avoid streaks is all that is required. AGA E-cloths are excellent for this.

### Cast iron ovens and hotplates

**Ovens** - are made from cast iron and keep themselves clean. They are very durable, but will rust if surface moisture is left on them. Remember to always switch the ovens on, to dry them out after cleaning.

Heating up the ovens periodically will help burn off any cooking deposits to aid cleaning within the ovens.

To season the ovens, a light vegetable spray oil (corn oil is best) is recommended. Any stubborn stains can be removed with the wire brush supplied.

**Hotplates** - is made from cast iron, and is easy to care for. Regular maintenance will ensure long-life. They will rust if surface moisture is left on them

Should the hotplates become soiled, use a sponge, cloth, scouring pad or wire brush to remove burnt-on spills.

Rinse off detergents or cleaning agents thoroughly.

Remember to switch on the hotplate for a few minutes to dry it after cleaning. Every now and then, apply a thin coating of vegetable oil (corn oil is best) when the hotplate is cold.

### Lids and oven door/lids linings

**The top of the insulated cover (lid)** - this is chrome or stainless steel and can be kept clean by wiping over with a damp cloth and polished up - the AGA E-cloths are excellent for this purpose as they are lint-free and eco-friendly. AGA stainless steel and chrome cleaner are recommended to keep the insulated cover clean and shining. These can be purchased from your local AGA Specialist.

**Lining of the insulated cover (lid interior)** - the use of an AGA splash shield is recommended to keep the lining free of fat splashes, (obtainable from your AGA Specialist or on-line at [www.agacookshop.co.uk](http://www.agacookshop.co.uk)).

If the lining is marked it is best cleaned when the hotplate is cold. It can be cleaned with hot soapy water and/or a cream cleanser. If badly marked then a soap impregnated pad can be used - this should be used in a circular motion.

**WARNING: ACCESSIBLE PARTS MAY BECOME HOT DURING USE. TO AVOID BURNS AND SCALDS CHILDREN SHOULD BE KEPT AWAY.**

The first few times a soap impregnated pad is used you will see the circular marks, these will become reduced and the surface of the lining becomes shinier each time when used. Do not use excessive water and make sure the lining is dry before closing the cover.

**Oven door linings** - the linings can be cleaned with hot soapy water, a cream cleanser or soap impregnated pad. To deep clean the lining place a towel on the work surface and carefully lift off the oven door (doors are heavy) and place it enamel side down on the towel padding. Clean with a soap impregnated pad to remove stubborn marks. Dry off before replacing on their hinges.





## 9. Installation Instructions

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**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.**

# 10. Installation Introduction

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## Health and Safety

### Consumer Protection

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.

**⚠ IMPORTANT: 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 also affect your statutory rights.

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

## Installation Requirements

**THIS APPLIANCE MUST ONLY BE INSTALLED BY PERSONS THAT ARE CERTIFIED TO LOCAL REGULATIONS.**

These AGA ranges are suitable for Natural and L.P. gases Butane and Propane only, and cannot be used on any other gas.

**⚠ IMPORTANT: See data plate which is situated behind the plinth cover.**

The installation of the range must be in accordance with the relevant requirements of the local wiring and building regulations. It should be in accordance also with any relevant requirements of the local states or state codes.

In your own interest, and that of safety to comply with the law, all gas appliances should be installed by an authorized AGA distributor, in accordance with the relevant regulations. Failure to install the appliances correctly could lead to prosecution.

On completion, test the gas installation for tightness.

### Location

The location chosen for the appliance must permit the provision of a satisfactory flue, see 'Flue System' and an adequate air supply. The location must also provide adequate space for servicing and air circulation around the range.

## Delivery Requirements

- The AGA DC3 arrives on 1 pallet
- Vent Pipe Installation Kit (AG1M212542) arrives in a separate carton.

There must be access to the kitchen to manipulate a foot print of 39 5/16" (1005 mm) x 29 1/8" (740 mm). A wooden template (skate with castor wheels) of dimensions 39 5/16" (1005 mm) x 29 1/8" (740 mm) could be used to check if the AGA Dual Control fully built appliance is able to fit through the property grounds and doors into its installation position in the kitchen. It must also be considered that the height of the appliance is 37 3/4" (960 mm) off pallet and 43 1/4" (1100 mm) on the pallet, so high level obstacles/restrictions must not be overlooked.

**If this skate/template can be manipulated through the property grounds and doors into position, then the AGA can be installed as intended with no re-work.**

# 11. Location

Refer to **Fig. 11.1 to Fig. 11.4.**

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

It is essential that the base or hearth on which both range and/or module stands should be level and capable of supporting the total weight of one or both units.

The front plinth cover is removable and must not be obstructed by flooring or tiles. If necessary the range must be raised by the thickness of the tiles to ensure the plinth can be removed.

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 3" (75 mm) from the range.

Surfaces over the top of the range must not be closer than 30" (760 mm).

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

**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 range.

**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.

**⚠ DO NOT install the range behind a decorative door in order to avoid overheating.**

The complete range is floor-mounted and the space in which the appliance is to be fitted must have the following minimum dimensions:-

A minimum clearance of 2 ¼" (60 mm) is required above the raised insulating cover handle.

## Overhead Cabinets

**⚠ To eliminate the risk of burns or fires by reaching over hot surface units, cabinet storage space located above the surface units should be avoided.**

## Side Clearances

A ¼" 3 mm gap is required each side between the range top plate and adjoining work surfaces that may be fitted, this is to allow for the safe removal of the top plate should this be required at a later date.

Where ranges are fitted against side walls a 4 ⅞" (116 mm) clearance is required on the right and left hand side for oven doors access.

If the AGA is to be installed in a brick recess, then the minimum clearance should be increased by at least ⅜" (10 mm), to allow for the walls not being square.

In addition, a minimum clearance of 39 ⅜" (1000 mm) must be available at the front of the range to enable the range to be serviced.

## Tiling

When the range is to stand in a recess or against a wall which is to be tiled, in no circumstances should the tiles overlap the range top plate, access to remove the top plate must be allowed for servicing at a later date.

## Rear Wall

A gap of at least ⅜" (10 mm) must be observed from the rear of the top plate, and the wall behind the appliance.

This appliance runs continuously, please take note of these **IMPORTANT** instructions:

### Combustible Walls

Houses constructed of combustible materials (such as all-timber or stud wall partitions and batoned plasterboarded walls) require special wall heat protection features.

Non-combustible walls behind a range must be of at least 1" 25 mm thick insulation board (Monolux or equivalent), up to hotplate level.

**⚠ NOTE: Ensure electric cabling or plastic services do not pass within or on the outside of the wall, behind or directly above the range.**

This type of material can age prematurely when exposed to continuous higher ambient temperature.

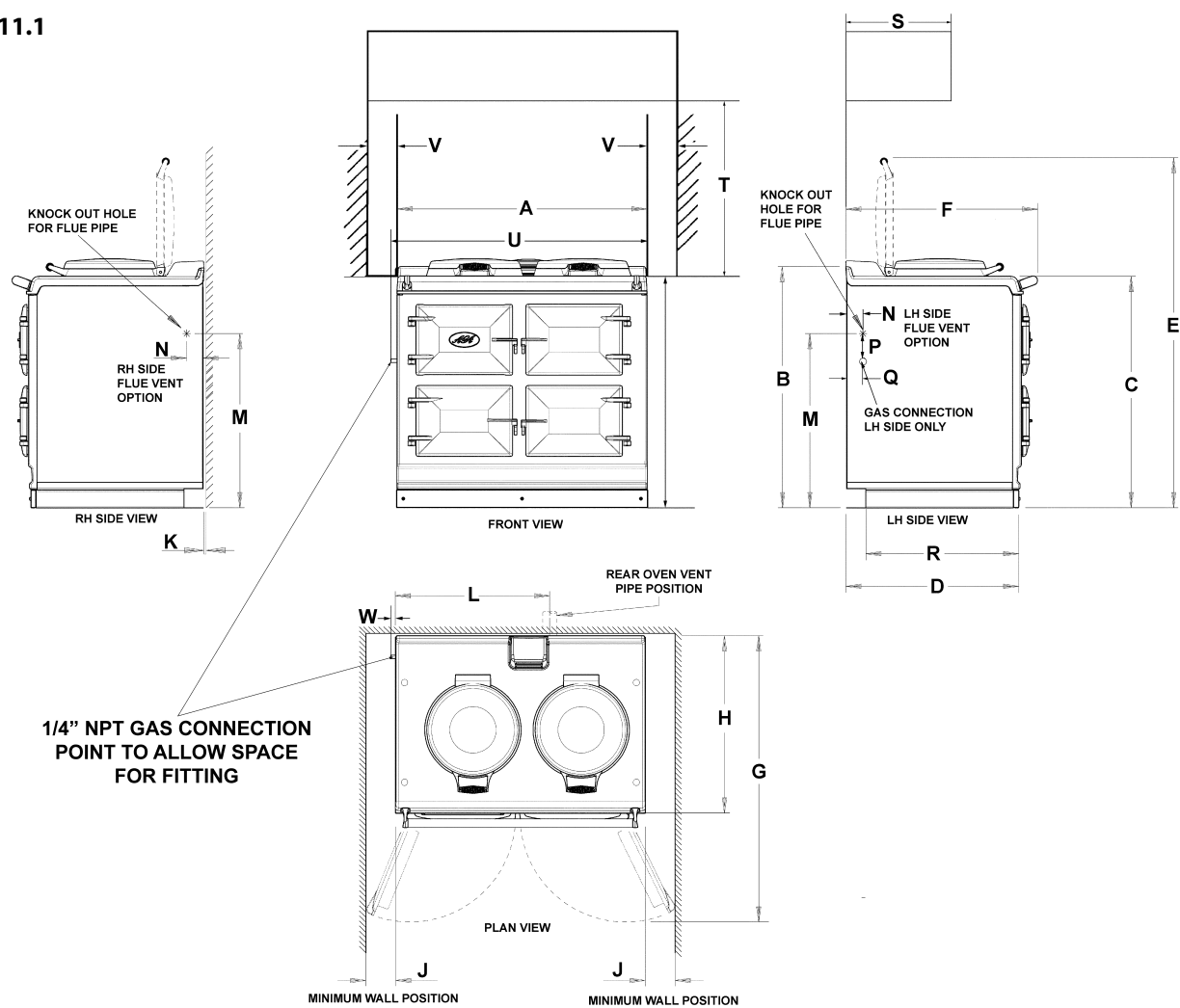
Alternatively the range can be spaced 1 ½" (38mm) away from the wall to create an air gap.

The air gap must be left open and NOT blocked off across the top edge.

# Specifications

## AGA DC3G (Power Flue)

Fig. 11.1



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W
mm	987	951	913	680	1388	760	1145	698	116	10	565	689	43	118	55	634	330	760	996	75	9
inch	38 <sup>7</sup> / <sub>8</sub>	37 <sup>1</sup> / <sub>2</sub>	36	26 <sup>3</sup> / <sub>4</sub>	54 <sup>7</sup> / <sub>8</sub>	29 <sup>7</sup> / <sub>8</sub>	45 <sup>1</sup> / <sub>2</sub>	27 <sup>1</sup> / <sub>2</sub>	4 <sup>5</sup> / <sub>16</sub>	<sup>3</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>4</sub>	27 <sup>1</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	4 <sup>5</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>8</sub>	25	13	30	39 <sup>3</sup> / <sub>16</sub>	3	<sup>3</sup> / <sub>8</sub>

DESN 516847 A

**NOTE:** When surveying for a range installation the actual clearance required for the 'body' of the appliance should be increased overall by <sup>3</sup>/<sub>8</sub>" (10 mm) 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.

**APPLIANCE WEIGHT** (Excludes Packaging)

**Model:** AGA Dual Control (DC3G) - 996lb (452kg)

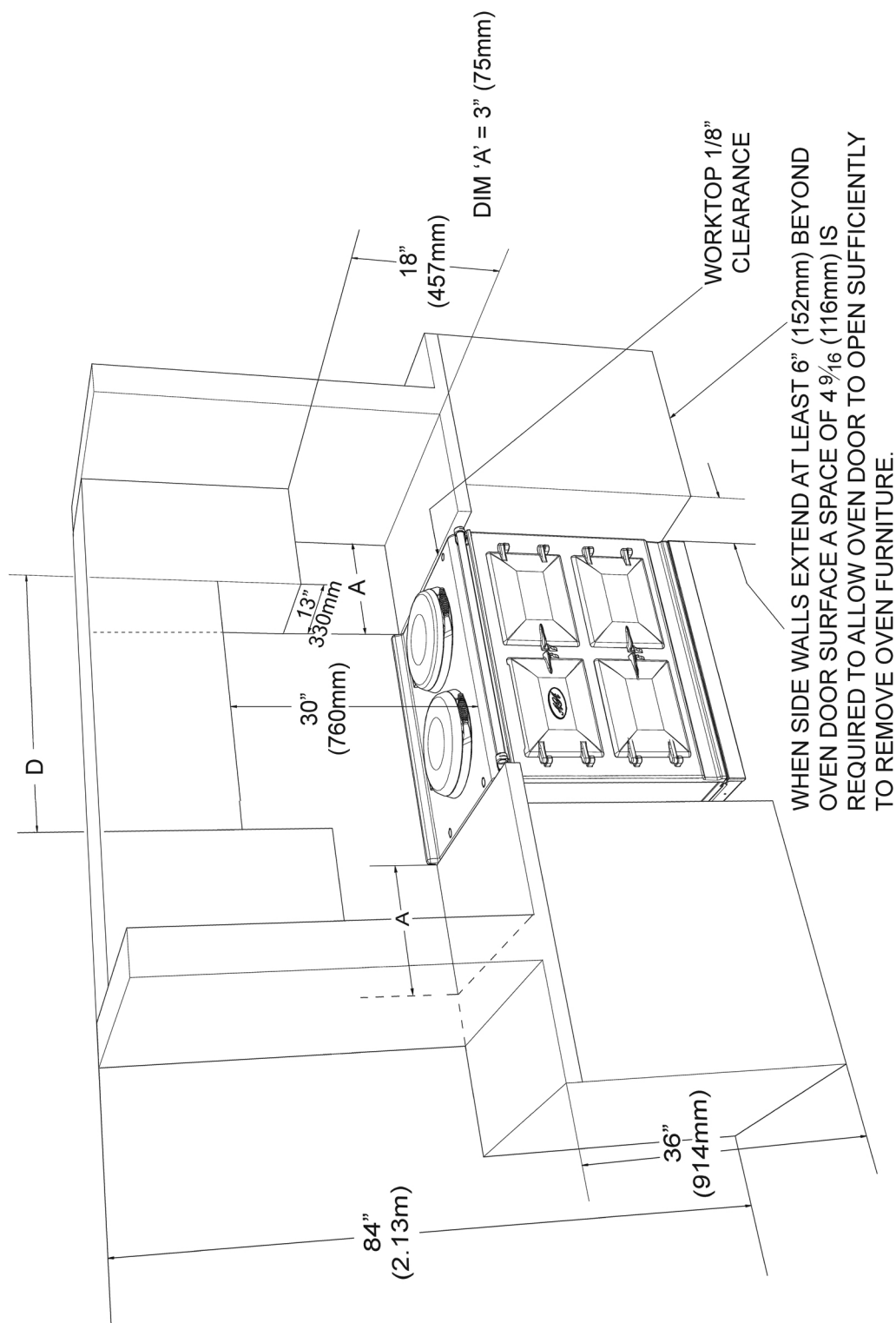
**GAS CONNECTION:** AGA DC3G ONLY

1/4" NPT MALE AT LEFT REAR OF APPLIANCE

**NOTE:** GAS CONNECTION POINT PROTRUDES

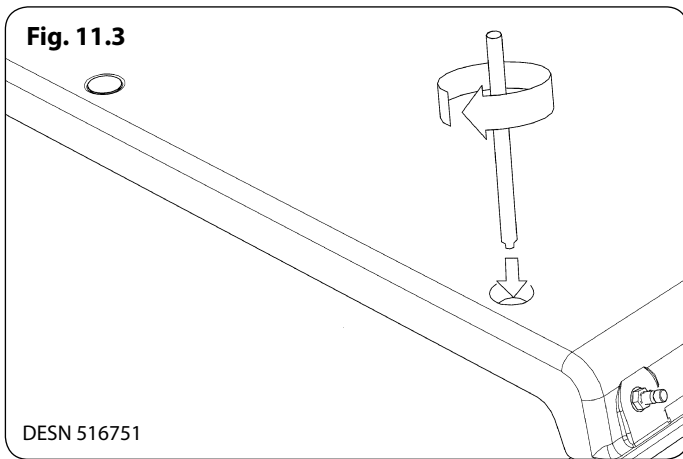
Fig. 11.2

**Installation Clearance of Combustible Cabinets Adjacent to Range**  
 1/2" CLEARANCE TO THE BACK OF THE RANGE MAY BE OBTAINED WHEN INSTALLING THE APPLIANCE AGAINST A NON-COMBUSTIBLE WALL OR IF THE WALL BEHIND THE RANGE IS DEEMED COMBUSTIBLE THEN THE MINIMUM SPACING FROM THE BACK OF THE RANGE TO THE NEAREST COMBUSTIBLE WALL IS 1 1/2" (38mm).



**NOTE:** ANY OVERHEAD FITTED CABINETS MUST NOT EXCEED 13" PROJECTED DEPTH ABOVE THE RANGE.

DIM 'D' TO BE NOT LESS THAN THE NORMAL WIDTH OF THE RANGE.

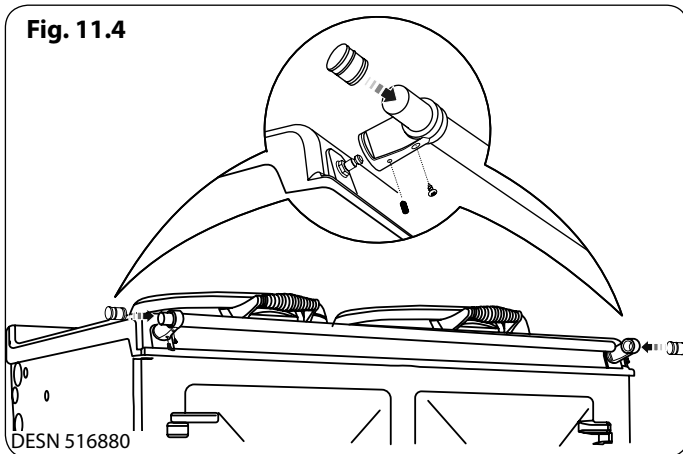


### Top Plate Adjustment - AGA DC3

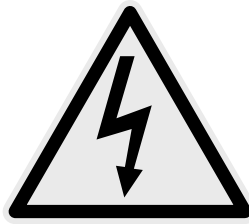
**NOTE:** In general, adjustment of the top plate is to be avoided. However minimum use of the top plate adjusters can be used to improve the alignment of the top plate **Fig. 11.3**.

### Fitting the Handrail

1. Fit the handrail bracket over the fixing stud located on the top plate. Lock into position by tightening the grub screw nearest the appliance **Fig. 11.4**.
2. Slide the handrail through the handrail brackets **Fig. 11.4**.
3. Once the handrail assembly is located squarely, lock the handrail in position by winding in the grub screws on the underside of each handrail bracket.
4. Once the handrails are locked in position, fit the handrail endcaps. The endcaps should be carefully pushed into place until they sit flush with the outside face of each bracket (a light smear of lubricant such as, hand or dish soap on the end cap 'O' rings may ease fitment **Fig. 11.4**).
5. Finally, fit the plinth fascia to the magnets on the front of the plinth. Make sure that the plinth fascia is centrally located and does not overhang the range.
6. Commission the AGA Dual Control, as stated in the relevant Installation Instructions and carry out functional test on each of the features of the AGA Dual Control.



## 12. Connection to the Power Supply



### Electric Shock Hazard



The rating plate is located behind the removable plinth, see **Fig. 12.2**.

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

Electrical Grounding is required on this appliance.

**DO NOT** connect to the electrical supply until the appliance is permanently grounded.

This appliance must be connected to a grounded, metallic, permanent supply. Or a grounding connector should be connected to the grounding terminal or wire lead on the appliance.

Failure to follow these instructions could result in death or serious injury.

This range must be supplied with a 240V, 60Hz power supply and connected to an individual, properly grounded branch circuit protected by a circuit breaker. At 240V, it has a maximum load of 30 amps. Electric hook-up must be done by a licensed electrician. This unit must be installed according to regional codes, or in the absence of codes, the National Electrical Code.

- Product installation requires a separate (not shared) 240V/40 amp circuit protected by an appropriate branch circuit supply.
- The service cord on your range is fitted with a standard four (4) prong type 14-50P plug (matching receptacle 14-50R).

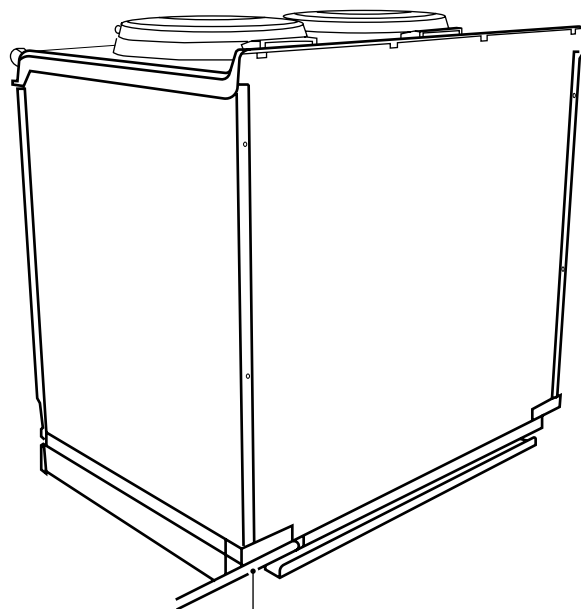
The method of connection to the mains electricity supply must facilitate complete electrical isolation of the appliance.

The mains connection and isolation should not be positioned above the range and must be positioned within the area defined in **Fig. 12.2**.

**THIS RANGE MUST BE COMPLETELY ISOLATED FROM THE ELECTRICITY SUPPLY BEFORE SERVICING. THE RANGE IS DESIGNED FOR THE VOLTAGE STATED ON THE RATING PLATE, WHICH IS SITUATED BEHIND THE PLINTH COVER.**

## Mains Supply Location

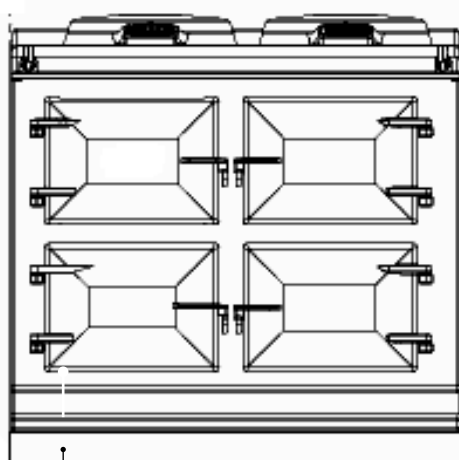
Fig. 12.1



Mains cable fed from control tray  
right-hand exit through ducting  
dependent upon position of supply  
socket

DESN 517444

Fig. 12.2



Data plate located behind toe-kick,  
pull toe-kick to remove.

4ft 6"  
(1.37 metres radius)

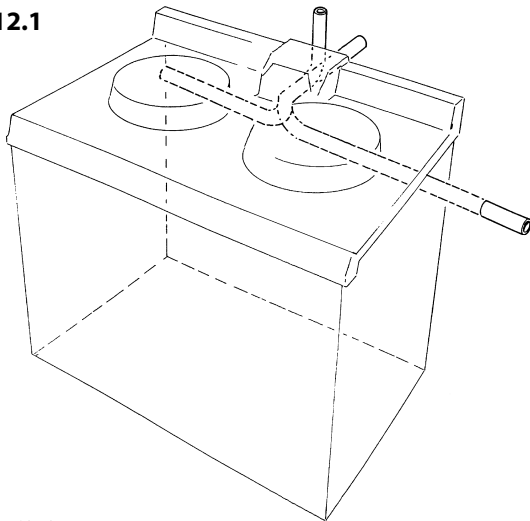
The mains supply connection and isolation point must be within the zone shown

DESN 516295



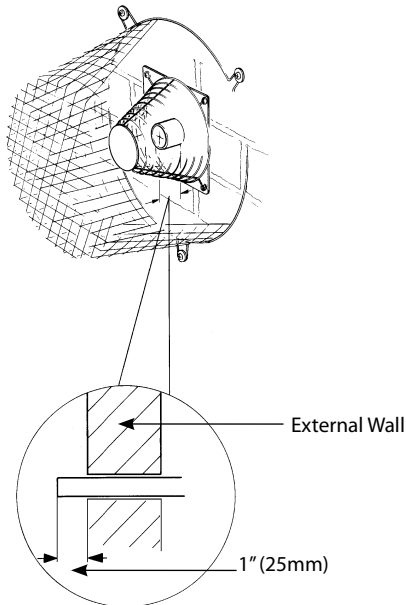
# Flue System

**Fig. 12.1**



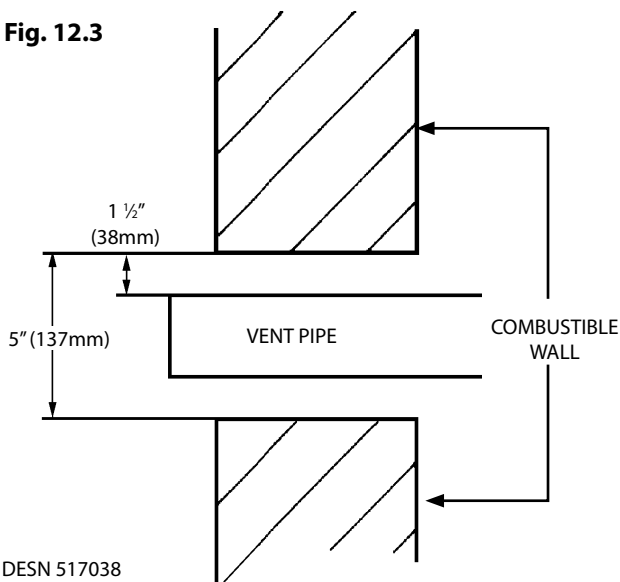
DESN 516850

**Fig. 12.2**



DESN 511196

**Fig. 12.3**



DESN 517038

SEE FIGS. **Fig. 12.1, Fig. 12.2, Fig. 12.5 and Fig. 12.6.**

The flue system must be installed in accordance with the federal, state and local codes.

**Only genuine AGA approved flue pipe is to be used.**

**Maximum permitted flue length run including bends is 13 ft.**

Products of combustion discharge is by a fan powered flue pipe of 2" (50 mm) diameter which can reach up to 13" (4 metres) in length through a maximum of 4 x 90° bend. Exits from the appliance can be from the rear, left-hand or right-hand sides or from the rear centre (**Fig. 12.1**) or from the underside (**Fig. 12.4**).

The flue pipe should protrude through the outside wall fixing plate by 1" (25 mm) (**Fig. 12.2**).

**NOTE:** A 5" hole clearance is required through combustible material, to allow 1 1/2" clearance around flue pipe, (**Fig. 12.3**).

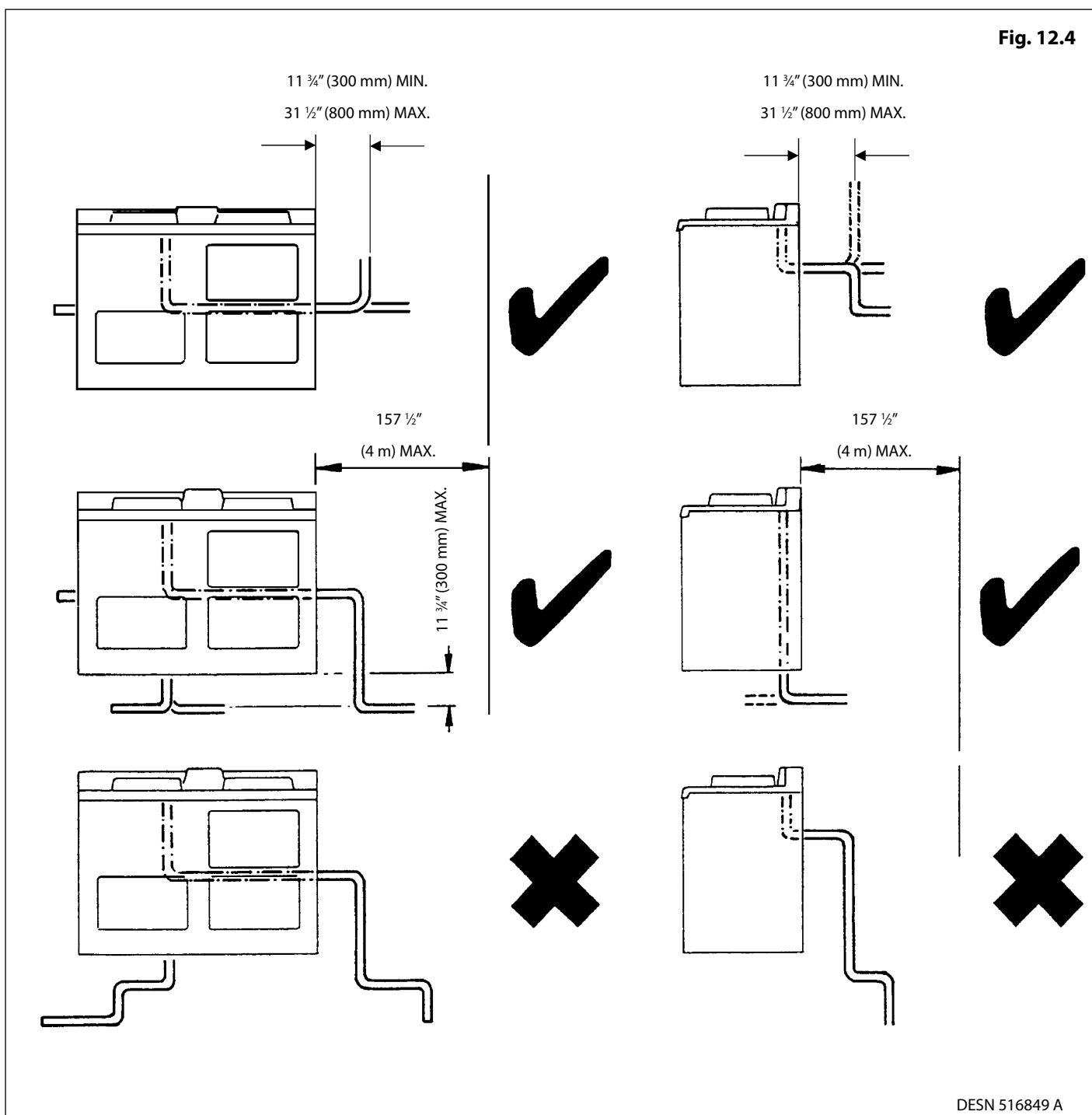
## Terminal Position

The minimum acceptable spacings from the terminal to obstructions and ventilation openings are as shown in **Fig. 12.5 and Fig. 12.6.**

Where the terminal is fitted within 23 5/8" (600 mm) below plastic guttering an aluminium shield 39 3/8" (1000 mm) long should be fitted to the underside and immediately beneath the guttering or eaves.

Where the terminal is fitted within 17 3/4" (450 mm) below eaves or painted guttering an aluminium shield 29 1/2" (750 mm) long should be fitted to the underside and immediately beneath the guttering or eaves.

Fig. 12.4



DESN 516849 A

Downward runs up to  $11 \frac{3}{4}"$  (300 mm) below the appliance are allowed, provided only one bend is used.

Downward runs using 2 bends are **not** allowed.

Maximum vertical rise =  $59 \frac{1}{16}"$  (1500 mm)

Vertical rise must be at least  $11 \frac{3}{4}"$  (30 cm) from product but no more than  $31 \frac{1}{2}"$  (800 mm) before vertical.

## Terminal Protection

A terminal guard is supplied with the range and must be fitted, if flue termination is less than 78 ¾" (2 metres) above ground level, or subject to damage.

When fitted, it must be positioned to provide a minimum of 50 mm clearance from any part of the terminal and be central over the terminal.

## Gas Supply - U.S. Pipe Threads

**NOTE: A MANUAL SHUT-OFF VALVE MUST BE INSTALLED IN AN ACCESSIBLE LOCATION IN THE GAS PIPE EXTERNAL TO THE APPLIANCE FOR THE PURPOSE OF TURNING ON OR SHUTTING OF GAS TO THE APPLIANCE.**

**ALL GAS CONTROLS MUST BE U.S. PIPE THREADS.**

Maximum Heat Input 2 kW (6,800 Btu/h) for Natural Gas and 2.1 kW (7,165 Btu/hr) for L.P. Gas.

Gas Inlet Pipe: 1/4" NPT male at left rear of appliance.

The maximum gas inlet pressure at the range must not exceed 10 inches w.g. for Natural Gas 14" w.g. for L.P. Gas. The minimum gas inlet pressure at the appliance must be 5 inches w.g. Natural Gas and 11" w.g. L.P. Gas to enable the correct manifold pressure to be obtained.

The range and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa). The range must be isolated from the gas supply piping system by closing its i manual shut-off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than 1/2 psi (3.5 kPa).

On completion test the gas installation for soundness and purge. Leak testing of the range shall be conducted according to the manufacturer's instructions.

**NOTE:** Use soapy water solution on new gas connections to ensure there are no gas leaks.

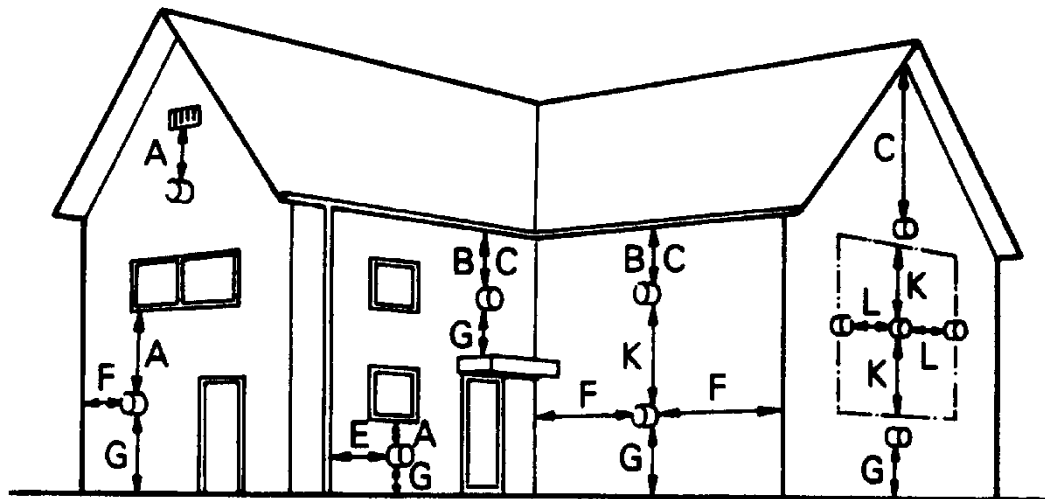
## Air Supply

### Kitchen or Internal Space Air Supply

The appliance can only be installed in a room which meets ventilation regulations in force but in any event the room must have a permanent vent of minimum free air area of 36 cm<sup>2</sup>

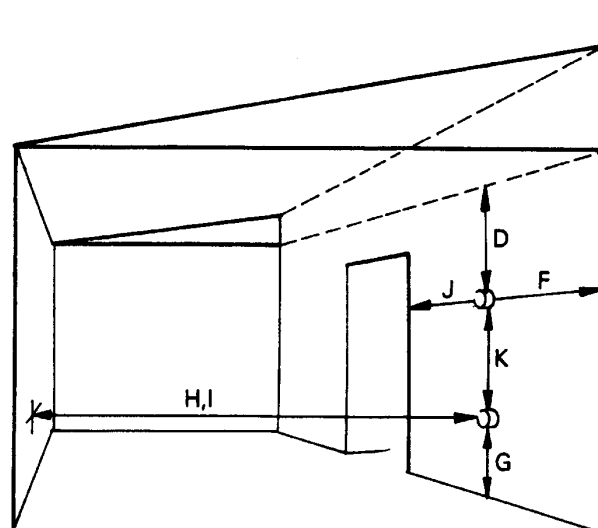
Installation pipes should be fitted in accordance with current Gas Regulations. Pipework from the meter/tank to the range must be of adequate size, range connection size of 1/4" NPT MALE at left rear of appliance. On completion test the gas installation for soundness and purge in accordance with the regulations in force.

**Fig. 12.5**



DESN 511052 AROUND THE HOUSE

**Fig. 12.6**



DESN 511053 UNDER THE CAR PORT, ETC.

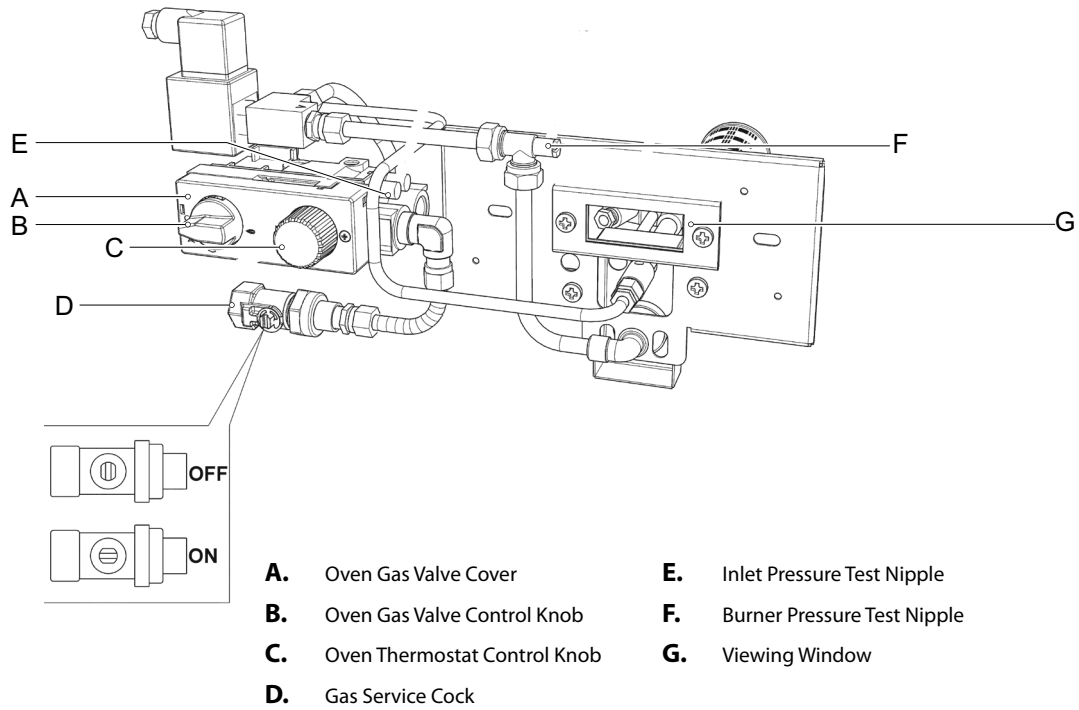
### Minimum siting dimensions for Flue terminals

Position		inch/mm (Minimum Spacing)
A	Directly below an openable window, air vent, or an other ventilation opening	11 ¾"/300
B	Below gutter, drain/soil pipe	3"/75
C	Below eaves	7 ⅞"/200
D	Below a balcony or car port roof	7 ⅞"/200
E	From vertical drain pipes and soil pipes	5 ⅞"/150
F	From internal or external corners	7 ⅞"/200
G	Above adjacent ground or balcony level	11 ¾"/300
H	From surface facing the terminal	23 ⅝"/600
I	Facing terminals	47 ¼"/1200
J	From opening (door/window) in car port into dwelling	47 ¼"/1200
K	Vertical from a terminal	59"/1500
L	Horizontally from a terminal	11 ¾"/300

# Commissioning

## NG Burner

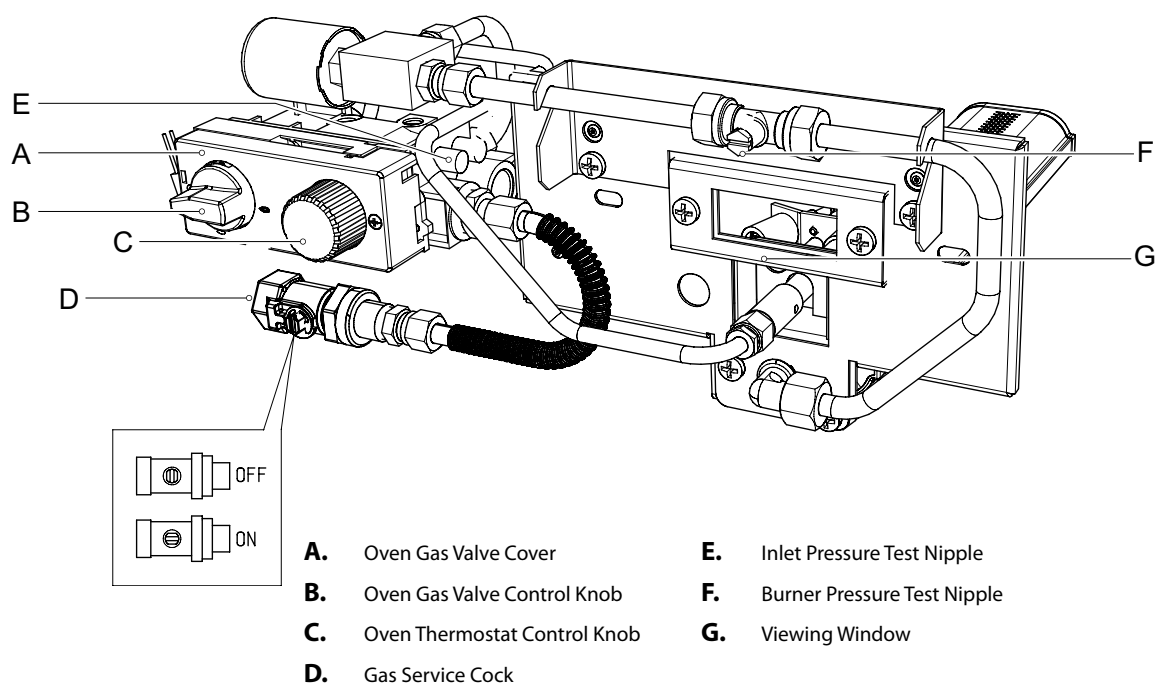
**Fig. 12.1**



DESN 516864

## LPG Burner

**Fig. 12.2**

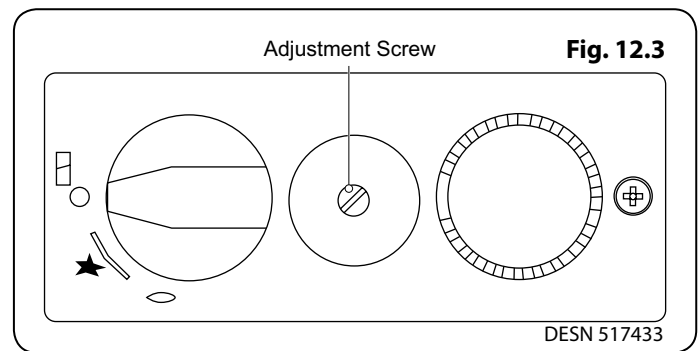


DESN 517432

Advise the user, that for continued efficient and safe operation of the appliance, it is important that adequate servicing is carried out at regular intervals recommended by the AGA Specialist.

### Inlet Pressure Testing (Fig. 12.1 or Fig. 12.2)

1. Turn off the **Oven Gas Valve Control Knob (B)** and turn off electrical supply to range.
2. Remove fascia by pulling off hotplate control knob and removing four fixing screws.
3. Remove **Inlet Pressure Test Nipple sealing screw (E)** and fit rubber tube over the nipple.
4. Turn on **Gas Service Cock (D)** and refit fascia making sure the rubber pressure test tube is routed through the hotplate control knob hole within the fascia.
5. Attach tube to manometer.
6. Turn on electricity supply.
7. Follow paragraphs 1-4 of "**Lighting Procedure**" on **page 33**, and check inlet pressure.
8. For Natural Gas appliance, the pressure should be minimum of 5" w.g and maximum of 10" w.g.
9. For LPG appliance, the pressure should be minimum of 11 inches w.g. and maximum of 14" w.g.



### Burner Pressure Testing

(Fig. 12.1 or Fig. 12.2)

1. Turn off **Oven Gas Valve Control Knob (B)** and turn off electrical supply to range.
2. Remove fascia by pulling off hotplate control knob and removing four fixing screws.
3. Remove **Burner Pressure Test Nipple (F)** sealing screw and fit rubber tube over the nipple.
4. Turn on **Gas Service Cock (D)** and refit fascia making sure the rubber pressure test tube is routed through the hotplate control knob hole within the fascia.
5. Attach tube to manometer.
6. Turn on electricity supply.
7. Follow paragraphs 1-4 of "**Lighting Procedure**" on **page 33**, and check burner pressure.

**NOTE:** Burner Pressure Adjustment Screw **Fig. 12.3** is located behind **Oven Gas Valve Cover (A)**.

8. For Natural Gas appliance, the burner pressure should be 4" w.g.
9. For LPG appliance, the burner pressure should be 10" w.g.
10. Check for leaks around pressure test nipple after refitting. Leak testing of the appliance shall be conducted according to the manufacturers instructions (see Yearly Service).

Fig. 12.4

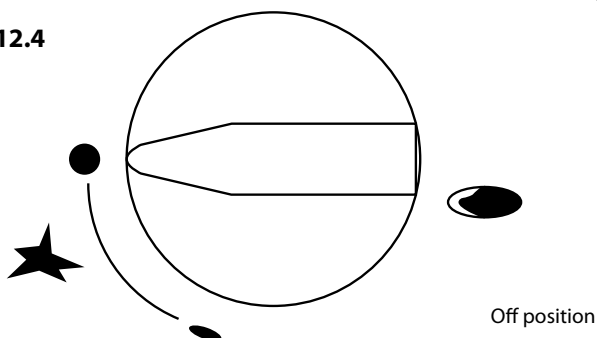


Fig. 12.5

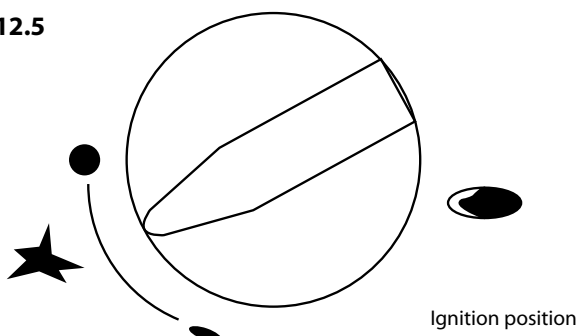


Fig. 12.6

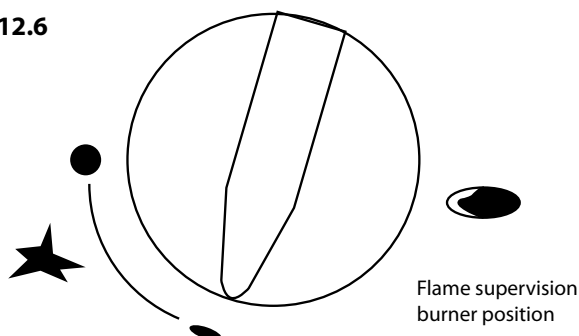


Fig. 12.7

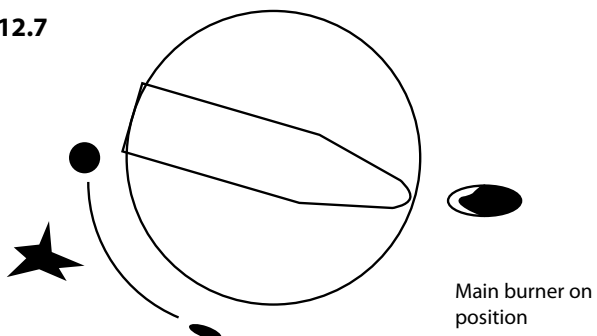


Fig. 12.8

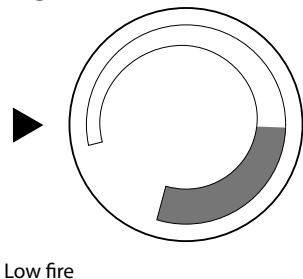
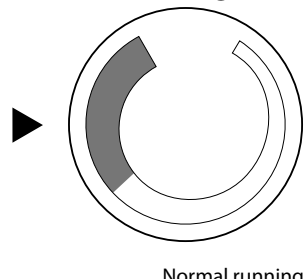


Fig. 12.9



**⚠ CAUTION:** Before lighting ensure Gas Valve Control Knob (B) is in the OFF position (Fig. 12.4). Also ensure gas supply to range is on, and the Gas Service Cock (D) is in the on position (Fig. 12.1 or Fig. 12.2) and the electrical supply to the AGA is switched on.

## Lighting Procedure

1. The main burner gas flow is set with the **Oven Thermostat Control Knob (C)**. First, ensure both knobs are turned fully clockwise. **Oven Gas Control Valve Knob (B)** to the OFF position and **Oven Gas Control Valve Knob (B)** to the minimum setting (thin end of the white band) (Fig. 12.4).
2. Turn **Oven Gas Valve Control Knob (B)** slightly anti-clockwise towards the ignition position (☆) until reaching stop, press down and hold for 5 seconds (gas flows only to the flame supervision burner (Fig. 12.5).
3. Continue pressing down **Oven Gas Valve Control Knob (B)** while turning further anti-clockwise to the (●) position (Fig. 12.6) (this activates the spark ignitor) continue to hold down for 10 seconds after flame supervision burner has been lit. (If it does not light, steps 2 and 3 can be repeated, this can be viewed through the viewing window.
4. Upon lighting, release knob and turn further anti-clockwise to the ON position (large flame ● symbol) (Fig. 12.7). Mains burner gas flows according to the thermostat setting **Oven Gas Valve Control Knob (B)**.
5. Turn the **Oven Thermostat Control Knob (C)** anti-clockwise just into the green band for normal running (Fig. 12.9).

**NOTE:** Upon lighting from cold, the fan will run at high speed for approximately 20 minutes. The fan will then slow down to its normal operating speed

**NOTE:** Low Fire position is attained by turning **Oven Thermostat Control Knob (C)** gradually into the white band, until SMALL FLAME is observed through viewing window (G)

**NOTE:** It will take up to 24 hours for all ovens to reach operating temperature, the oven heat indicator may display green before this (refer to **Oven Heat Indicator** regarding heat indication display). Once the oven temperatures are at operating temperature it may be necessary to make fine adjustment to the oven control knob to achieve the desired temperatures. It is not advisable to make further changes to the control knob once the desired temperature is achieved.

When the range is lit from cold, moisture may form on the enamel which should be wiped off to prevent staining.

**IF THE FLAME HAS EXTINGUISHED FOR ANY REASON, WAIT THREE MINUTES (MINIMUM) AND REPEAT THE LIGHTING PROCEDURE.**

## To Extinguish the Burner

1. Turn ON/OFF gas control knob clockwise until reaching stop (●) position.
2. Press down slightly and continue turning clockwise from (●) position to the OFF position (**Fig. 12.4**)

When the burner has cooled sufficiently, lighting procedure may be repeated.

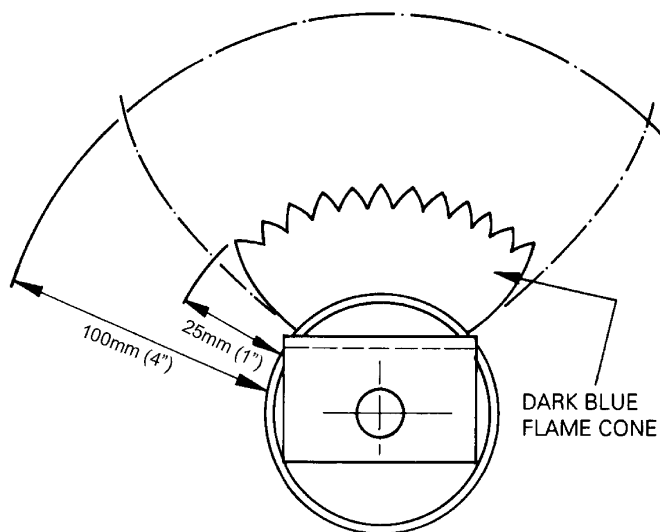
## Power Failure

During power failure your appliance will not work until power is restored and the appliance will automatically resume with the selected functions. At any time should the appliance not operate any selected function during normal operating conditions, turn off the function at its control knob and contact AGA Service or your local AGA Specialist.



## 13. Yearly Service

Fig. 13.1



It is recommended that the range be serviced at regular intervals.

Arrange with the home owner that the range has been turned OFF the night before to ensure it is cold upon arrival.

1. Turn off power to the range.
2. Isolate the gas supply by turning off the gas shut off valve, **Fig. 12.1** or **Fig. 12.2**. This is accessed by removing the control panel facia (4 screws).
3. Break the hexagon union nut and remove two burner fixing screws, **Fig. 12.1** or **Fig. 12.2**.
4. Locate electric wires from gas valve and solenoid, disconnect inline connectors.
5. The burner assembly can now be withdrawn from the combustion chamber.

**NOTE:** Check there is sufficient length of thermostat capillary tube to allow the burner assembly to be rested on a work surface without detaching the sensing end from the top of the roasting oven.

6. Lightly brush the perforated top of the gas burner and check that the burner venturi is free of lint and fluff.

**NOTE:** It may be necessary to detach the flame supervision assembly from the burner to ensure it is free.

7. Check the condition of the flame supervision thermocouple tip to ensure it is clean and free of carbon. Heavy heat oxidised tips should mean the removal of the thermocouple and a new replacement. Examine and brush the pilot light parts and examine the ignitor cable to ensure the PTFE insulation remains intact and is firmly connected to the spark electrode. Clean any carbon away from the electrode.
8. Refit the gas burner assembly in reverse manner.

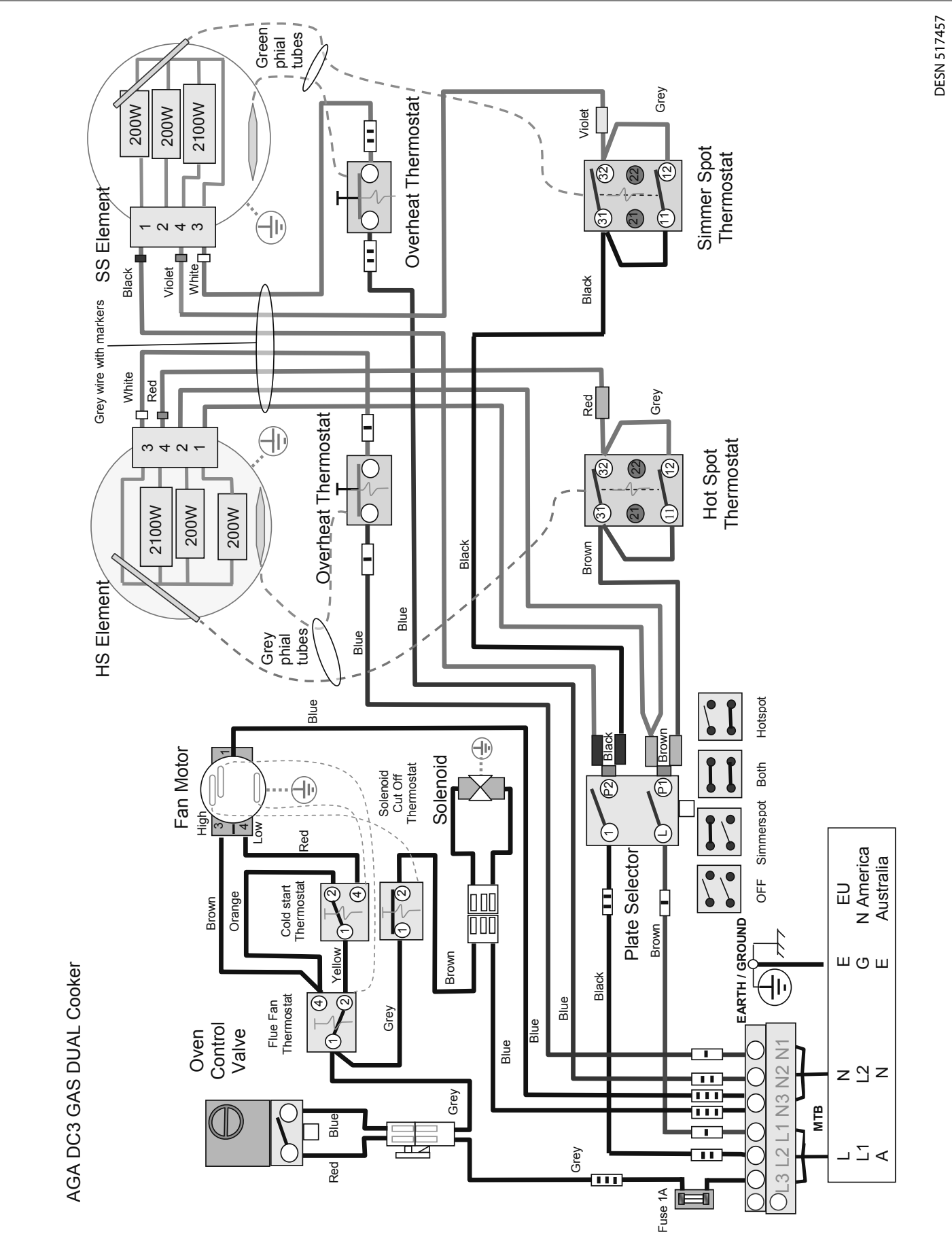
**NOTE:** Use soapy water solution to ensure there are no gas leaks.

9. Inspect and clean vent fan blades, remove debris using a soft brush, access to this fan can be made by removing the centre shroud (one screw fixing inside top outlet slot).
10. Turn on the gas and electric supply and follow the procedure for lighting the burner.
11. Ensure that the pilot and main burner flame are burning evenly, the thermocouple is enveloped by the pilot flame.
12. Visually check the main burner and flame supervision flame for correct flame pattern. An established main burner at high fire will be predominantly blue with yellow tipplings on an even height flame strip and be about 100mm (4in) high. Ensure all flame ports have cross-lit and that the flame supervision flame is free from sooting **Fig. 13.1**.

- 13.** The maximum depth of any cabinets installed above the top cooking surface of the range must not exceed 330mm (13in).

**NOTE:** Do not attempt to service the range yourself, contact your local AGA distributor stating the model and serial number of the appliance together with your name and address.

14. Circuit Diagram AGA DC3G



## 15. Technical Data

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 **IMPORTANT!** See the data badge which is situated behind the plinth cover.

Gas Group	Natural Gas	LP Gas
Maximum Heat Input	6,800 Btu/hr	7,165 Btu/hr
Thermostat Bypass	70	65
Main Burner Injector	112	68
Gas Supervision	4212	4207
Minimum Inlet Pressure	5" w.g.	11" w.g.
Burner Pressure	4" w.g.	10" w.g.

## 16. Content list *(Loose Items)*

DESCRIPTION	PART NO	QTY	TICK
BAKING OVEN CALIBRATION PLATE	AE2M231432	1	<input type="checkbox"/>
OVEN GRID SHELF	AE4M211863	3	<input type="checkbox"/>
SHELF - OVEN	AG2M210636	1	<input type="checkbox"/>
GRILL RACK - LARGE	AG4M210268	1	<input type="checkbox"/>
GRILL RACK - SMALL	AG4M210269	1	<input type="checkbox"/>
WIRE BRUSH	EACS23230	1	<input type="checkbox"/>
TOASTER	EACS47380	1	<input type="checkbox"/>
MEAT TRAY - SMALL	EMTY530217	1	<input type="checkbox"/>
MEAT TRAY - LARGE	EMTY530218	1	<input type="checkbox"/>
AGA RECIPE BOOK (2 & 4 OVEN)	EACS40640	1	<input type="checkbox"/>
PLINTH FACIA ASSY	AE1M231475	1	<input type="checkbox"/>
PLATE - OUTLET BLANKING	AG2M210568	4	<input type="checkbox"/>
HANDRAIL	AE4M231411	1	<input type="checkbox"/>
HANDRAIL MOUNTING BRACKET	AE4M212288	2	<input type="checkbox"/>
'O' RING (SMALL)	AE4M212293	4	<input type="checkbox"/>
END CAP (HANDRAIL)	AE4M212290	2	<input type="checkbox"/>
M5 x 12mm CONE POINT GRUB SCREW	KGRB500674	2	<input type="checkbox"/>
SCREW M5 x 10mm SOCKET HD GRUB	KGRB50509	2	<input type="checkbox"/>
FLUE PIPE - HORIZONTAL	AG4M210566	1	<input type="checkbox"/>
ALLEN KEY 2.5 mm	AE4M280592	1	<input type="checkbox"/>
ALLEN KEY 3 mm	AE4M280593	1	<input type="checkbox"/>
HOB ADJUSTER TOOL	AE4M280388	1	<input type="checkbox"/>
FLUE PIPE 'S' BEND	AG4M212518	1	<input type="checkbox"/>
COUPLING KIT	AG4M211746	1	<input type="checkbox"/>
'O' RING KIT	AG4M211747	1	<input type="checkbox"/>
BRACKET - FLUE PIPE	ag4m210358	1	<input type="checkbox"/>
SCREW M5 x 8mm PAN HD POZI Z/P	KPAN52581	2	<input type="checkbox"/>
<b>PACKED SEPARATELY</b>			
FLUE PIPE/TERMINAL GUARD	AG1M212487	1	<input type="checkbox"/>
FLUE EXTENSION KIT	AG1M212542	AS REQUIRED	<input type="checkbox"/>

## 17. Warranty

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### Welcome

Thank you for choosing an AGA cooker. We are sure that you will be impressed with the performance of your new AGA appliance and with the ongoing service you will receive.

### Peace of Mind

Every new AGA leaving the factory and installed by an AGA approved outlet carries a 5 year guarantee on parts (certain consumable parts are excluded - for full details see below). This also includes all labor charges for the first 12 months.

### Distribution and Service Network

AGA has set up an International Distributor and service network with fully trained service engineers available to support your AGA within the guarantee period. The approved outlet installing your AGA is responsible for providing this warranty.

### No charge will be made for replacement parts providing:

- An appliance fault is found.
- The relevant part of the AGA is still covered by the guarantee.
- Regular servicing has been carried out in accordance with the manufacturer's instructions by authorized AGA engineers, using approved spare parts. The service booklet will need to be completed accordingly.

There will be no labor charges during the first 12 months of the warranty.

### A call out charge may be applicable if:

- The authorized AGA service engineer who calls at your home finds no fault with the AGA.
- Other parts of your plumbing system or flue, are either faulty or do not comply with the appropriate installation instructions.
- The unit is more than 12 months old.
- If it is deemed the product has been misused.

Please note that invoices for call out repair work carried out during the guarantee period by any third party cannot be accepted.

In the event of an appliance fault during the guarantee period, please contact your service provider. They will arrange for an engineer to call as soon as possible.

### What is not included in the guarantee

- Consumable parts
- Flues (except integral power and balanced flues).
- Any labor charges not directly connected with the repair or replacement of a faulty component.
- Any consequential loss.
- Any part of the domestic hot water system which is not an integral part of the AGA.
- Accidental or cosmetic damage.
- Routine preventative service and maintenance.
- Any external controls/components not supplied by AGA.
- Oil filled Heat indicators are only covered for 12 months.

## Regular Servicing

Regular maintenance is an essential part of keeping your AGA range running safely and efficiently.

Since your AGA can operate continuously it is important to ensure regular servicing is undertaken by AGA Service or your Authorized AGA Distributor. Only genuine AGA spare parts are used.

Please note that routine servicing in accordance with the manufacturer's instructions is also a condition of the warranty agreement.

To ensure your AGA receives this essential maintenance, please contact AGA Service or your Distributor, who will be pleased to help.

## Service Intervals

(Certain models may vary)

**Oil AGA** - every 6 months

**Gas and Electric Heat Storage AGA's** - every 12 months

**Electric 13 amp and AGA Total Control:**

- Interim service 2 1/2 years (30 months)
- Full service 5 years (60 months)

## Consumable Parts Not Covered by this Warranty

- Oil AGA - oil filters and wicks.
- Gas Fired AGA's - ignitor electrodes, thermocouples.
- Electric AGA - Vent and circulation fans are for 2 1/2 years (30 months)

## Exclusions

This warranty does not cover products which have been altered by the customer or by a third party. Materials, spare parts and specific tools must be as recommended by AGA.

Warranty does not cover misuse, abuse or impact damage. Corrosion caused by incorrect use of chemical cleaners or scratches to chrome or stainless steel components by abrasive cleaning materials are also excluded.

Warranty strictly excludes commercial use. Appliances are covered for domestic use only.

## Flues, Ventilation and External Services:

External services, gas supply, external oil lines, tanks and filters are not covered under this warranty.

This warranty does not cover incorrectly or poorly maintained flue systems or appliances installed on incorrect flue

systems of unsuitable material and outside the specification detailed in the product instructions.

Appliances not provided with adequate ventilation as detailed in the product instructions also fall outside this warranty.

**This policy applies to products which carry the AGA name plate and trademark (AGA utensils and accessories are covered by a separate policy).**

**Product fuel conversions are not covered.**

**THIS WARRANTY POLICY DOES NOT AFFECT THE OWNERS STATUTORY RIGHTS**

## 18. Service

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- In the event of your range requiring maintenance, please contact AGA Marvel or your AGA Retailer.
- Your range must only be serviced by a qualified engineer, from an authorized AGA Specialist.
- Do not alter or modify the range.
- Only the parts specified by the manufacturer, are to be fitted.
- The appliance warranty does not cover Commercial use.

For continued efficient and safe operation of this appliance, it is important that servicing is carried out at regular intervals as recommended by your AGA Retailer. The range should be turned OFF in advance of the service so that the appliance will have cooled down sufficiently.

**A HOT APPLIANCE CANNOT BE SERVICED.**

















**For further advice or information contact  
your local AGA Specialist**

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



Supplied by

AGA Marvel

1260 E. Van Deinse St.

Greenville, MI 48838

Business (616) 754-5601

Fax (616) 754-9690

Toll Free Telephone 800-223-3900

[www.agamarvel.com](http://www.agamarvel.com)