



Gas Fired Cookers

Installation Instructions for AGA Gas fired Cooker Models GC, GCB, (2 Oven) GE, GEB, (4 Oven)

FOR USE IN AUSTRALIA

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING YOUR AGA

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 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 also affect your statutory rights.

Important

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

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

Fire Cement - when handling use disposable gloves.

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

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

INSTALLATION

With specific exceptions, the installing of any type of AGA Cooker is subject to the respective directions contained in current issue of The Building Regulations. In addition, Planning Permission may need to be obtained, which should be applied for separately. The complete range of AGA cookers are suitable for Natural or Propane gases only and cannot be used on any other gas.

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

A minimum clearance of 60mm (2 1/2") is required above the raised insulating cover handle.

Side clearance are zero unless 2 or 4 oven cookers are fitted against a wall, where 116mm (4 1/2") clearance is required at the right hand side for oven doors access (a further 116mm (4 1/2") is necessary if a left hand side gas connection is required).

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

The initial length of flue pipe from the appliance flue socket should be vertical for a least 600mm (24").

In any event the minimum flue length must not be less than 3m (10ft).

Flue pipes and fittings must not be closer than 25mm (1") to combustible materials and where passing through a combustible partition such as a ceiling or roof, must be enclosed in non-combustible sleeve providing a connector space of at least 25mm (1").

Spaces around flue pipes passing through walls or floors should be sealed against the passage of smoke and flame.

NOTE: AGA GAS FIRED COOKERS ARE DELIVERED EX-WORKS UNASSEMBLED. ASSEMBLY IS UNDERTAKEN ON SITE BY THE AUTHORISED AGA DISTRIBUTOR.

Cooker Base or Hearth

It is essential that the base or hearth on which the cooker stands should be level and be capable of supporting the total weight of the respective cooker.

Models GC and GCB 406Kg, GE and GEB - 584Kg.

The top of the hearth must be of non-combustible material thickness of 12mm (1/2").

The wall behind the cooker must be of non-combustible material for a minimum thickness of 25mm (1").

Tiling

When the cooker is to stand in a recess, or against a wall which is to be tiled, in no circumstances should the tiles overlap the cooker top plate.

Installation Requirements

The installation of the cooker must be in accordance with the relevant requirements of the Gas Safety Regulations, Building Regulations and the bylaws of the local Water Undertaking.

Installation must be in accordance with the Australian Gas Installation Code AG 601.

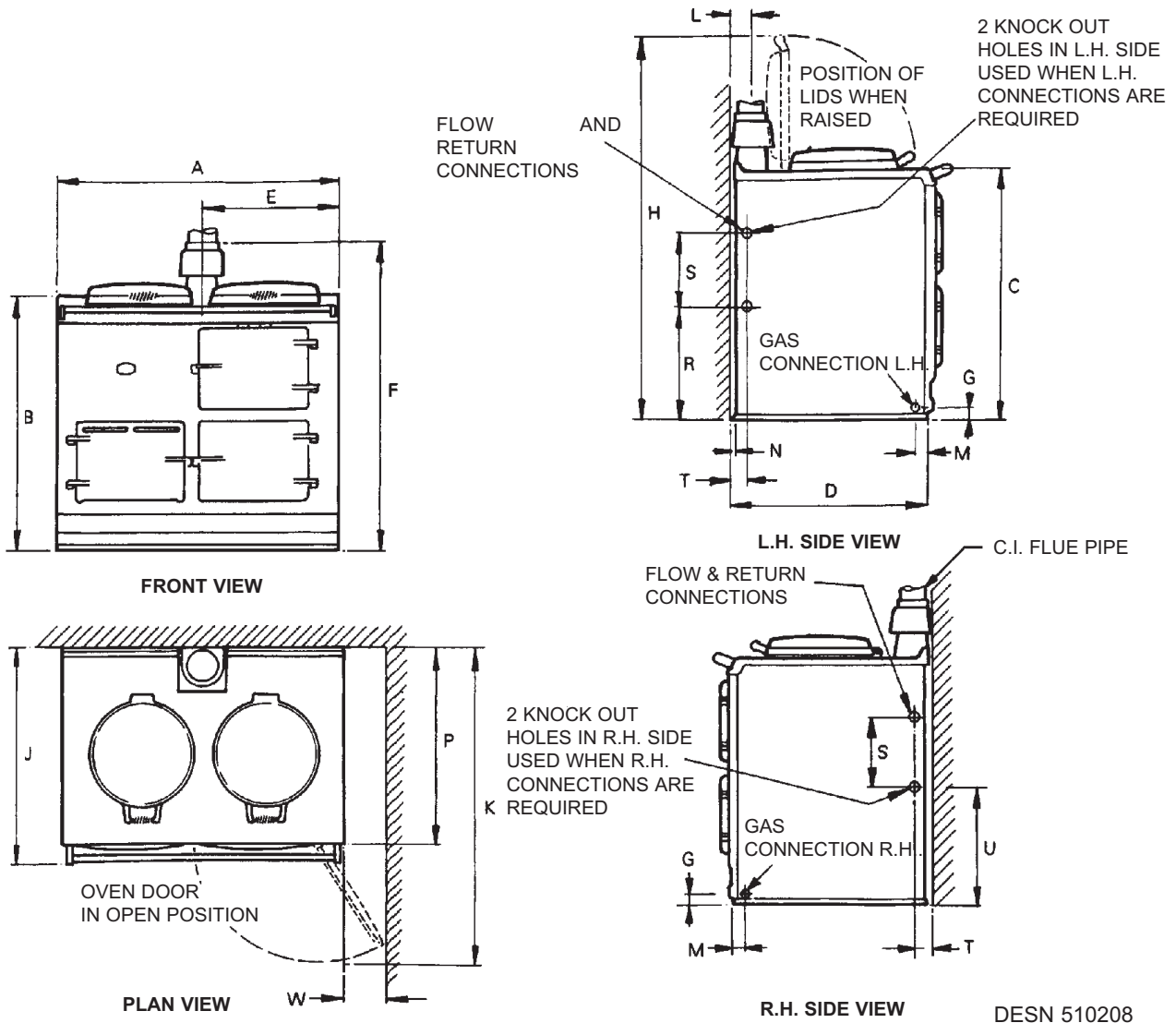
In your own interest, and that of safety to comply with the law, all gas appliances should be installed by an authorised person, in accordance with the relative regulations. Failure to install appliances correctly could lead to prosecution.

On completion, test the gas installation for soundness.

LOCATION

The location chosen for the appliance must permit the provision of a satisfactory flue and an adequate air supply. The location must also provide adequate space for servicing and air circulation around the cooker.

NOTE: Due to the overall weight of the appliance a stability bracket is not required to prevent tilting.



DESN 510208

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W
mm	987	889	851	679	467	1035	41	1330	756	1125	73	39	3	698	499	127	41	530	116
ins	39	35	33 ¹ / ₂	27	18 ¹ / ₂	41	1 ³ / ₄	52 ³ / ₈	30	44 ¹ / ₄	3	1 ¹ / ₂	1/8	27 ¹ / ₂	19 ³ / ₄	5	1 ³ / ₄	21	4 ³ / ₄

Models GC and GCB Standard flue

GC & GCB

NATURAL G20

MAXIMUM HEAT INPUT
Thermostat Bypass
Main Burner Injector

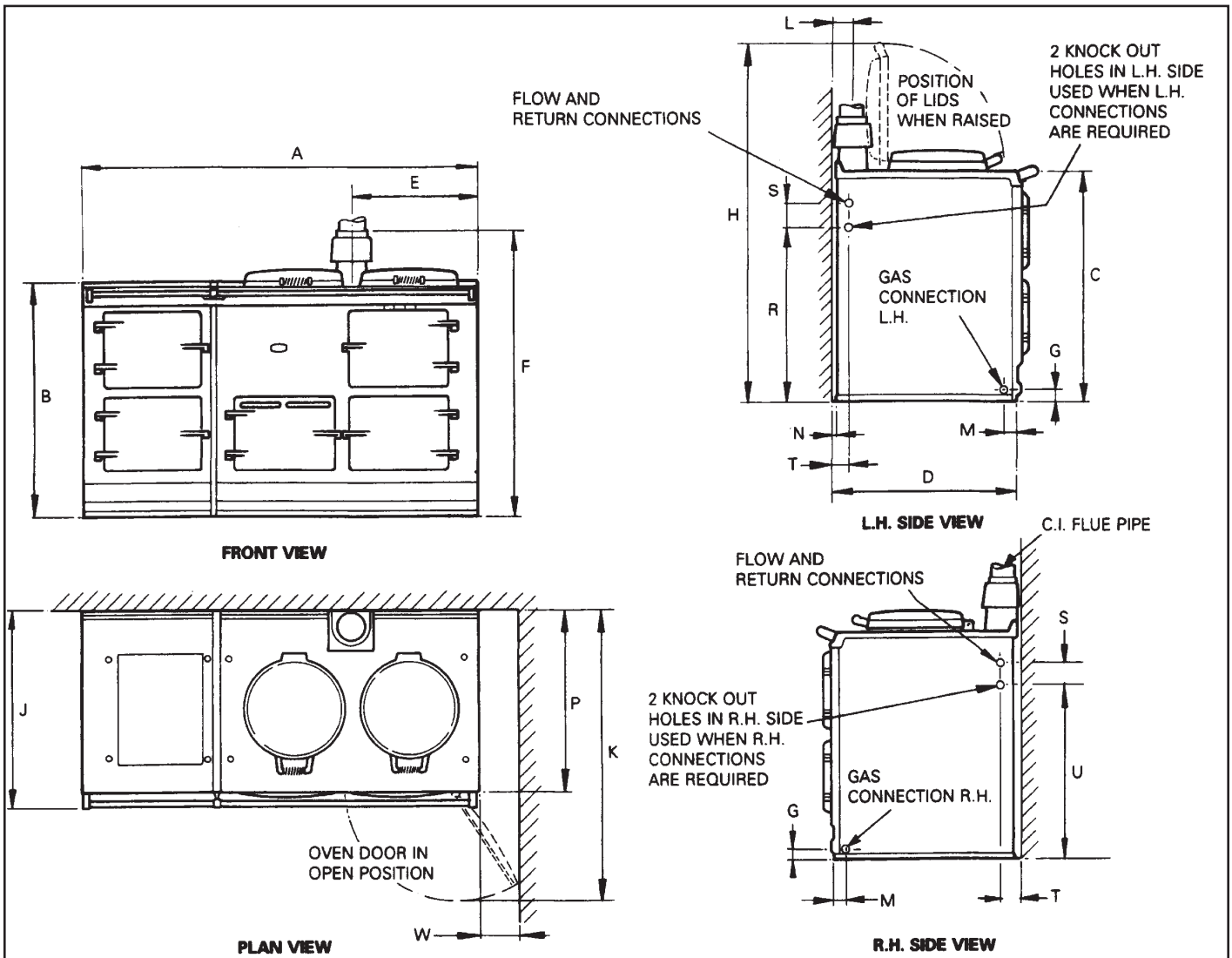
Pilot Injector
Burner Pressure

18MJ/hr (5kW)
100 (1.0 mm) or 120 (1.2mm)
400
Multihole Injector 2.1mm Primary Hole
7 x .92mm Secondary)
4212
1kPa (10mbar) (4"wg)

PROPANE G31

MAXIMUM HEAT INPUT
Thermostat Bypass
Main Burner Injector
Pilot Injector
Burner Pressure

18MJ/hr 5kW (357g/h)
60 (0.6mm) or 80 (0.8mm)
180 (1.17mm)
4208
2.8kPa 28mbar (11"wg)



DESN 510826 'B'

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W
mm	1487	889	851	679	467	1035	41	1330	756	1125	73	39	3	698	632	67	51	591	116
ins	58 1/2	35	33 1/2	26 3/4	18 1/2	41	1 3/4	52 3/8	30	44 1/2	3	1 1/2	1/8	27 1/2	25	2 3/4	2	23 1/4	4 1/2

Models GE and GEB Standard flue		GE & GEB
NATURAL G20		
MAXIMUM HEAT INPUT		18MJ/hr (5kW)
Thermostat Bypass		100 (1.0mm) or 120 (1.2mm)
Main Burner Injector		400
Pilot Injector		Multihole Injector 2.1 Primary Hole
Burner Pressure		7 x .92mm Secondary)
		4212
		1kPa (10mbar) (4"wg)
PROPANE G31		
MAXIMUM HEAT INPUT		18MJ/hr 5kW (357g/h)
Thermostat Bypass		60 (0.6mm) or 80 (0.8mm)
Main Burner Injector		180 (1.17mm)
Pilot Injector		4208
Burner Pressure		2.8kPa 28mbar (11"wg)

FLUE SYSTEM

The following notes are intended to give general guidance:-

The initial length of flue pipe from the appliance flue socket should be vertical for at least 600mm (24").

In any event, the minimum flue length must not be less than 3m.

The cross-sectional area of the flue serving the cooker must not be less than the area of the flue outlet of the cooker.

If the flue pipe is to be used it must not be less than 100mm internal diameter.

Flue pipes and fittings should be constructed from one of the following materials:-

- a) Cement
- b) Aluminium or Stainless Steel
- c) Cast iron or mild steel, acid resistant vitreous enamel lined.

If a chimney is to be used it preferably should be one that is composed of or lined with a non-porous acid resistant material. (Chimneys lined with a salt glazed earthenware pipes are acceptable if the pipes comply with the regulations in force). A flue pipe constructed from one of the materials in (a) to (c) above, should form the initial connection to lined chimneys.

Where a chimney is to be used which is not composed of or lined with a non-porous acid resistant material it should be lined with a stainless steel flexible flue liner. The internal diameter of the liner must not be less than 100mm and the number of joints must be kept to a minimum. If the flue liner is not connected directly to the appliance draught diverter a flue pipe which is constructed from one of the materials in (a) to (c) above should form the connection between the draught diverter and flue liner.

Before connecting the appliance to or inserting a liner into, a flue that has been previously used, the flue must be thoroughly swept clean of any soot and loose material. If a baffle is fitted in the flue it must be removed before connecting the appliance to, or inserting a liner into the flue. The point of termination must not be within 600mm (24") of an openable window, air vent or any other ventilation opening.

INSTALLATION PIPES

Installation pipes should be fitted in accordance with current Gas Regulations. Pipework from the meter/tank to the cooker must be of adequate size, cooker connection size of 15mm (1/2") Dia. On completion test the gas installation for soundness and purge in accordance with the regulations in force.

WARNING: THIS APPLIANCE IS NOT SUITABLE FOR CONNECTION WITH A FLEXIBLE HOSE ASSEMBLY.

AIR SUPPLY

Kitchen or Internal Space Air Supply

Where the appliance is to be installed in a kitchen or internal space, it does not require the kitchen or internal space containing it to have a permanent air vent.

THE HOT WATER SYSTEM

(Models GCB and GEB Only)

In a domestic hot water system, the hot water storage vessel must be of the indirect cylinder of calorifier type. The hot water storage vessel should be insulated, preferably, with not less than 75mm (3") thick mineral fibre, or its equivalent.

Pipework not forming part of the useful heating surface should be insulated to help prevent heat loss and possible freezing, particularly where pipes are run through roof spaces and ventilated under floor spaces. Cisterns situated in areas which may be exposed to freezing conditions should also be insulated.

Draining taps must be located in accessible positions which permit the draining of the whole system, including the boiler and hot water storage vessel.

Draining taps should be at least 1/2 inch nominal size. The use of horizontal pipe runs should be avoided wherever possible in order to prevent the collection of air in the system. If horizontal runs are unavoidable, the pipes should rise upwards in the direction away from the boiler. Hot water systems should be in accordance with the relevant recommendations.

Water Circulation System

(Models GCB and GEB only)

The cooker boiler should be connected to a cistern water supply and subject to a maximum head of 18.25m (60 ft) and minimum 1m (39").

The 28mm (1") minimum diameter primary air flow pipe must rise continuously from the cooker boiler to the cylinder to ensure good gravity circulation and have an open vent. The 28mm (1") diameter primary flow return pipes must not exceed 5.5m (18ft) in length and be well insulated.

Water Connections

(Models GCB and GEB only)

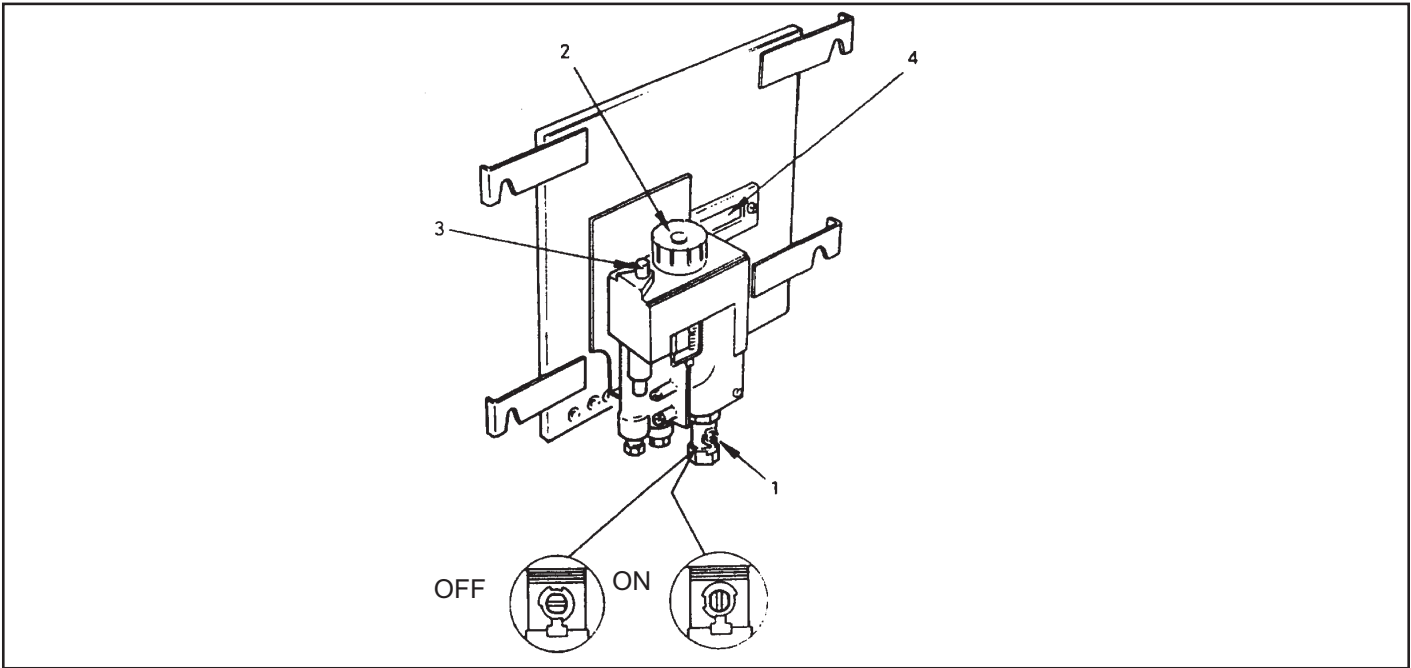
The two 28mm (1") copper flow and return pipes from the boiler can be obtained for right or left hand connections.

Hot Water Storage Vessel

It is recommended that an indirect 190 litre (40 gallon) hot water storage cylinder of the double feed type should be lagged and fixed vertically as near as possible to the cooker.

The water draw-off pipes to the taps must be dead leg connection from the vent/expansion pipe.

A drain tap must be fitted at the lowest point of the system.



COMMISSIONING

LIGHTING THE BURNER - Fig. 2

CAUTION : NO SMOKING OR NAKED LIGHTS

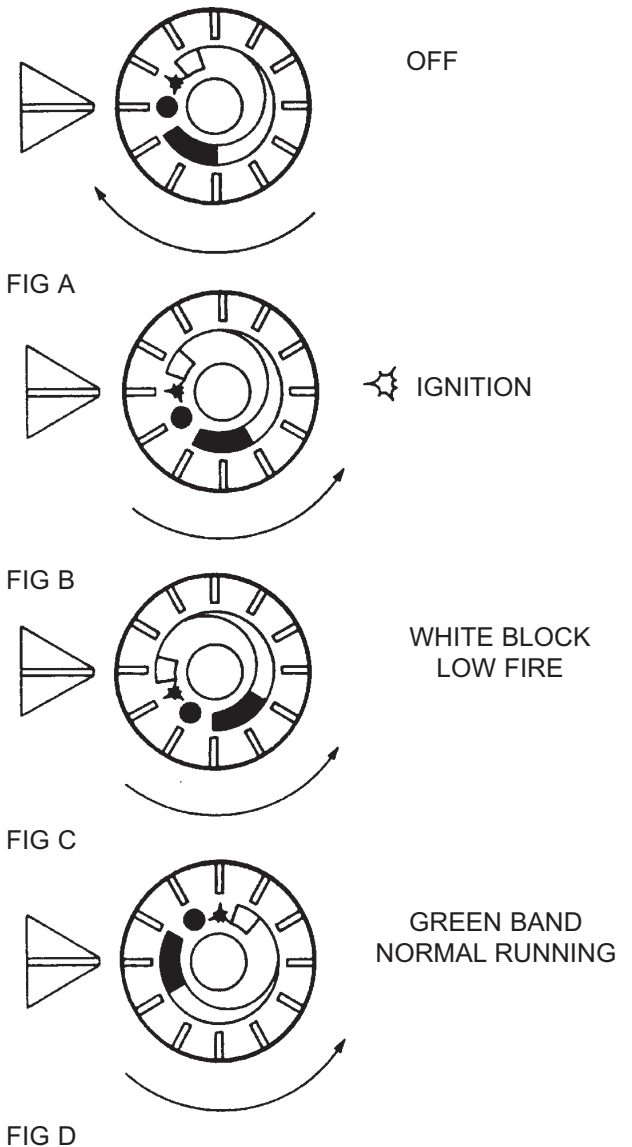
Open the burner outer door to expose the gas control combination valve.

CAUTION: BEFORE LIGHTING: ENSURE THAT THE GAS VALVE CONTROL KNOB 2 IS SET IN THE OFF POSITION (SEE FIG. A) AND COMBUSTION DISCHARGE SAFETY DEVICE BUTTON IS DEPRESSED.

1. Turn off union gas cock 1. Test the gas installation from the meter cock for soundness and purge.
2. Turn on gas supply to cooker and open gas cock 1.
3. Turn the gas valve control knob 2 anti-clockwise to the position (see fig. B). Press down and hold the knob in the position while depressing the piezo ignitor 3 several times until the pilot has lit. This can be observed through the viewing window 4.
4. When the pilot has lit continue to hold the gas valve control knob for approximately 30 seconds. If it goes out, wait 3 minutes and repeat the procedure holding for a little longer.
5. With the pilot flame established, release the control knob gradually and rotate anti-clockwise to its low fire position (see Fig. C), whereupon the main burner will light. Leave in the low fire position for at least 30 minutes.

NOTE: Any attempt to rotate the control knob before release may result in damage.

6. After 30 minutes rotate the control knob further anti-clockwise to the mid position in the green band for normal running (see fig. D).



NOTE: AFTER SEVERAL HOURS THE HEAT INDICATOR SHOULD BE ON OR ABOUT CENTRE OF THE SILVER SECTION. IT MAY BE NECESSARY TO ADJUST THE CONTROL KNOB SLIGHTLY IN THE GREEN BAND TO ACHIEVE THIS.

IF THE FLAME HAS EXTINGUISHED FOR WHATEVER REASON, WAIT THREE MINUTES (MINIMUM) BEFORE RE-LIGHTING.

7. On the first lighting or if the cooker has been cold for a long time, moisture from the insulation may run down the enamelled front of the cooker. This should be wiped off to prevent staining.
8. After about half an hour, check the burner gas pressure is as indicated on the data plate as follows:-
 - (i) Turn the gas valve control knob 2 to OFF position (see. Fig. A). Remove the main burner pressure test nipple plug 5 and fit pressure gauge. Turn gas valve control knob 2 to the mid position of green band.
 - (ii) Check burner pressure correctly corresponds to the data plate.
 - (iii) Check that the gas pressure is unaffected at the main burner when other gas appliances are used.
 - (iv) Turn gas valve control knob 2 to OFF position (see fig. A). Remove the pressure gauge and replace gas nipple plug. Turn temperature control knob 2 to the mid position of the green band for normal running.

NOTE: IF FOR ANY REASON A GAS RATE CHECK IS REQUIRED, TURN OFF ALL OTHER APPLIANCES USING GAS AND USING THE GAS METER TEST DIAL AND STOPWATCH, CHECK THAT THE MAXIMUM GAS INPUT TO THE APPLIANCE IS AS INDICATED ON THE DATA PLATE.

Once the correct setting has been confirmed, the heat control will operate automatically to maintain the cooker at full temperature.

NOTE: REMEMBER TO NOTE THE SETTING POSITION IF TURNING OFF THE COOKER.

TO EXTINGUISH THE BURNER

Turn the gas valve control to the OFF position (see fig. A).

CHECK FOR CLEARANCE OF PRODUCTS OF COMBUSTION.

Ensure that all doors and windows of the room are closed.

Light the cooker as described. Leave on maximum rate for five minutes.

If there is a fan in a nearby room then the spillage test must be repeated with the fan turned on and any interconnecting doors between the cooker and the fan location open.

A spillage test must be carried out after 5 minutes as follows:-

By holding a smoke match so that the match head is approximately 3mm (1/2") up inside of the lower edge of the draught diverter. Spillage is indicated by the smoke being displaced outwards from the draught diverter. If in doubt repeat after a further 10 minutes.

If spillage is detected the chimney may be faulty. The combustion discharge safety device will have operated, the fault must be corrected before leaving the cooker installed, the device must be depressed before the Aga can be re-lit.

If the fault cannot be corrected turn off and disconnect the gas supply to the cooker and seek expert advice.

INSTRUCTIONS

Hand these and the Operating Instructions to the User for retention and instruct in the safe operation of the appliance.

Advise the User of the precautions necessary to prevent damage to the Domestic Hot Water System and to be building in the event of the Domestic Hot Water System remaining inoperative during frost conditions.

Finally advise the User that, for continued efficient and safe operation of the appliance it is important the adequate servicing is carried out at regular intervals recommended by the AGA Distributor or local Gas Region.

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.



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