



TC/DC INTEGRATED MODULE (FFD) (with Gas Hob)

Installation Instructions

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 INSTALLING THIS APPLIANCE



For use in GB and IE

01/16 EINS 516393

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INTRODUCTION

WARNING: THIS APPLIANCE SHALL BE INSTALLED IN ACCORDANCE WITH THE REGULATIONS IN FORCE AND ONLY USED IN A WELL VENTILATED SPACE, READ THE INSTRUCTIONS BEFORE INSTALLING OR USING THIS APPLIANCE.

PRIOR TO INSTALLATION, ENSURE THAT THE LOCAL DISTRIBUTION CONDITIONS (NATURE OF THE GAS AND GAS PRESSURE) AND THE ADJUSTMENT OF THE APPLIANCE ARE COMPATIBLE.

THE ADJUSTMENT CONDITIONS FOR THIS APPLIANCE ARE STATED ON THE DATA PLATE.

THE DATA PLATE IS SITUATED IN THE CENTRE VENT SLOT NEAR THE BASE OF THE FRONT PLATE.

This appliance is not connected to a combustion products evacuation device. It shall be installed and connected in accordance with current installation regulations. Particular attention shall be given to the relevant requirements regarding ventilation (B.S. 5440 Part 2: 1989).

It should be in accordance also with any relevant requirements of the Gas Region and Local Authority.

In your own interest, and that of safety to comply with the law, all gas appliances must be installed by a competent person. Failure to install appliances correctly could lead to prosecution.

On completion, test the gas installation for tightness.

WARNING: THIS APPLIANCE MUST BE EARTHED.

The appliance is designed for the voltage stated on the data plate.

The appliance is supplied with and installed adjacent to the LH side of an AGA Total Control/AGA Dual Control.

Installation of the Module must, therefore be in conjunction with the build instructions of the 'parent' AGA Total Control/AGA Dual Control.

Reference must be made to the above Installation Instructions for the 'parent' AGA especially regarding pre-site inspection, not only for both cookers but to consider any pipework that may pass at the rear of the Module. i.e. vent pipe from 'parent' AGA.

The appliance has been designed to accommodate pipework passing at the rear.

NOTE! THE MAIN AGA IS DELIVERED EX-WORKS FULLY ASSEMBLED.

FINAL INSTALLATION IS UNDERTAKEN ON SITE, BY AN AUTHORISED AGA ENGINEER.

The AGA TC/DC Module is supplied from the manufacturers in a fully assembled condition.

TECHNICAL DATA

HOTPLATE

NATURAL GAS G20 - (APPLIANCE CATEGORY I_{2H})

	R.H.F.	L.H.R.	R.H.R.	L.H.F.
BURNER TYPE	ULTRA-RAPID	RAPID	SEMI-RAPID	SEMI-RAPID
MAXIMUM HEAT INPUT	3.5 kW	3.0 kW	1.75 kW	1.75 kW
INJECTOR MARKING	130	116	097	097

PRESSURE POINT POSITION: REAR LH SIDE OF APPLIANCE JUST BELOW HOTPLATE LEVEL

PRESSURE SETTING: 20mbar

BURNER IGNITION: H.T. SPARK

(APPLIANCE CATEGORY I₃₊)

	R.H.F.	L.H.R.	R.H.R.	L.H.F.
BURNER TYPE	ULTRA-RAPID	RAPID	SEMI-RAPID	SEMI-RAPID
MAXIMUM HEAT INPUT	3.5 kW (250g/h) (0.50 l/h)	3.0 kW (214g/h) (0.42 l/h)	1.75 kW (125g/h) (0.25 l/h)	1.75 kW (125g/h) (0.25 l/h)
INJECTOR MARKING	95	85	65	65

PRESSURE POINT POSITION: REAR LH SIDE OF APPLIANCE JUST BELOW HOTPLATE LEVEL

PRESSURE SETTING: G30: 28-30 mbar G31 - 37 mbar

BURNER IGNITION: H.T. SPARK

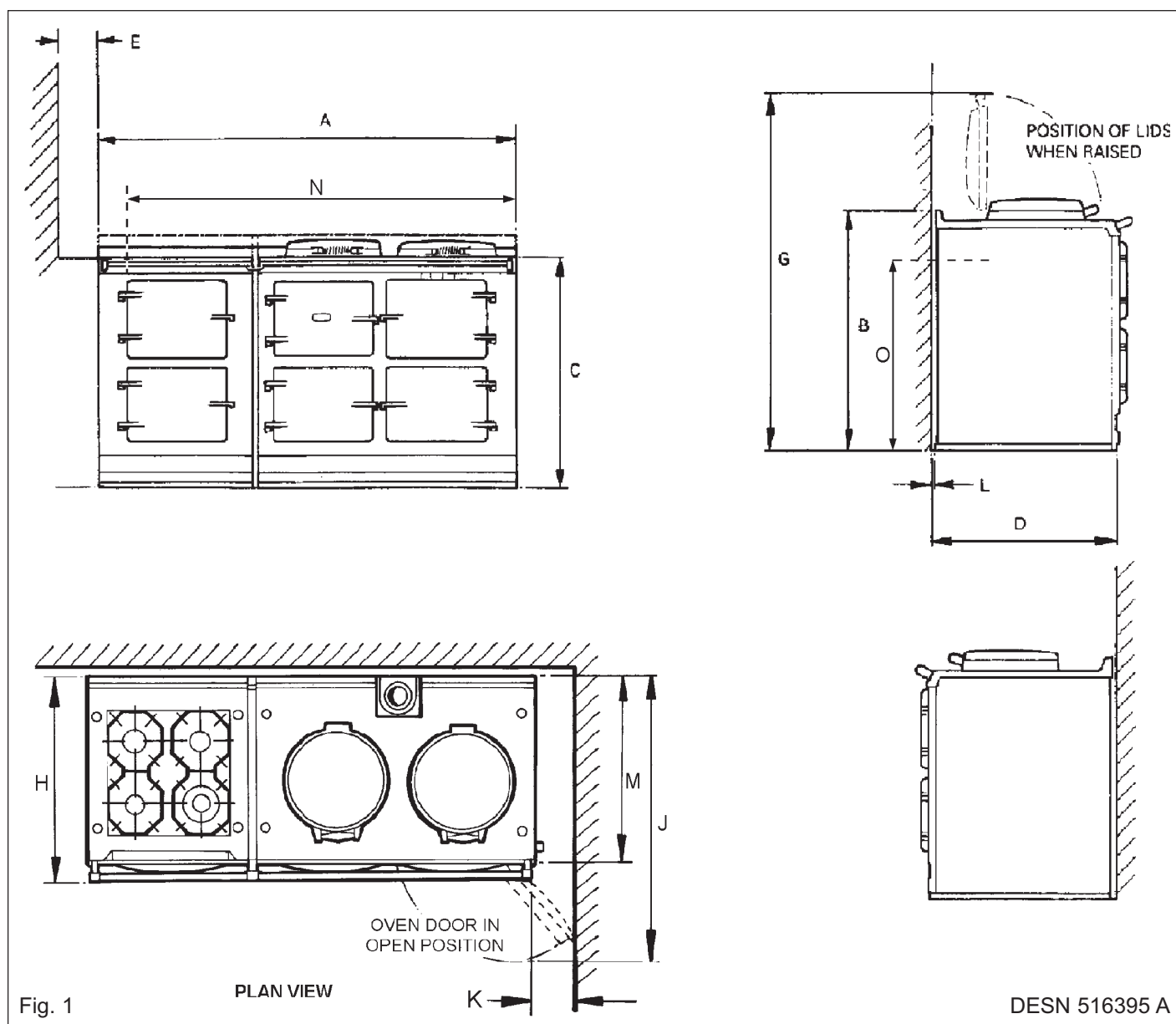
ELECTRIC GRILL AND OVENS

GRILL ELEMENT - POWER RATING 2 x 1.05 kW

TOP OVEN - POWER RATING 1.0 kW

LOWER OVEN (FAN) - 1.4 kW

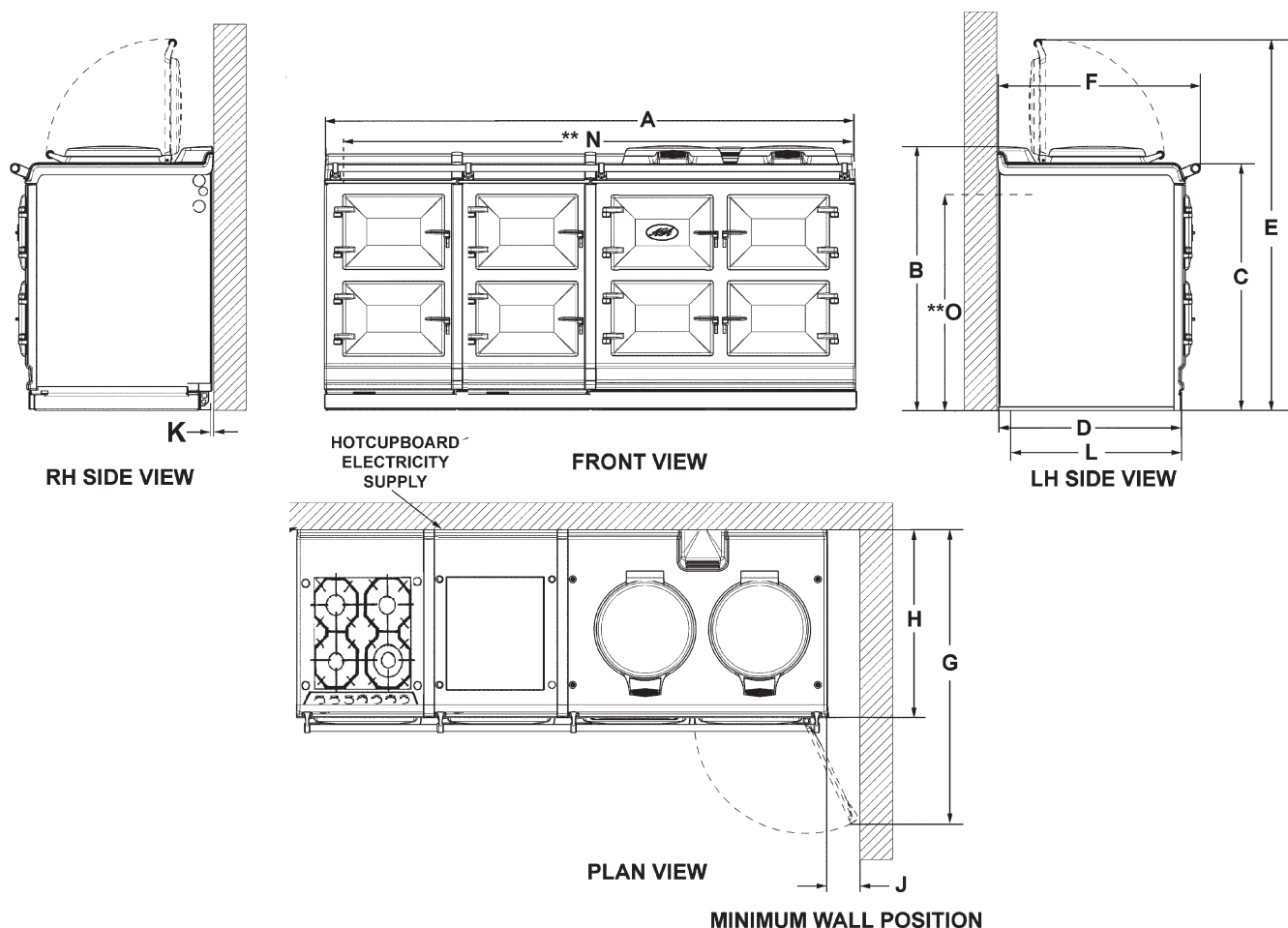
SPECIFICATIONS - AGA TOTAL CONTROL (TC3) / DUAL CONTROL (DC3) WITH TC/DC GAS HOB MODULE (TC3M/DC3M)



	A	B	C	D	E	G	H	J	K	L	M	N	O
mm	1589	951	913	680	60	1388	756	1145	116	10	698	1533	800

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

SPECIFICATIONS - AGA TOTAL CONTROL (TC5) / DUAL CONTROL (DC5) WITH TC/DC GAS HOB MODULE (TC5M/DC5M)



DESN 516862 A

	A	B	C	D	E	F	G	H	J	K	L	**N	**O
mm	2089	951	913	680	1388	760	1145	698	116	10	634	2033	800

**** POSITION FOR GAS SUPPLY PIPE TO MODULE**

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

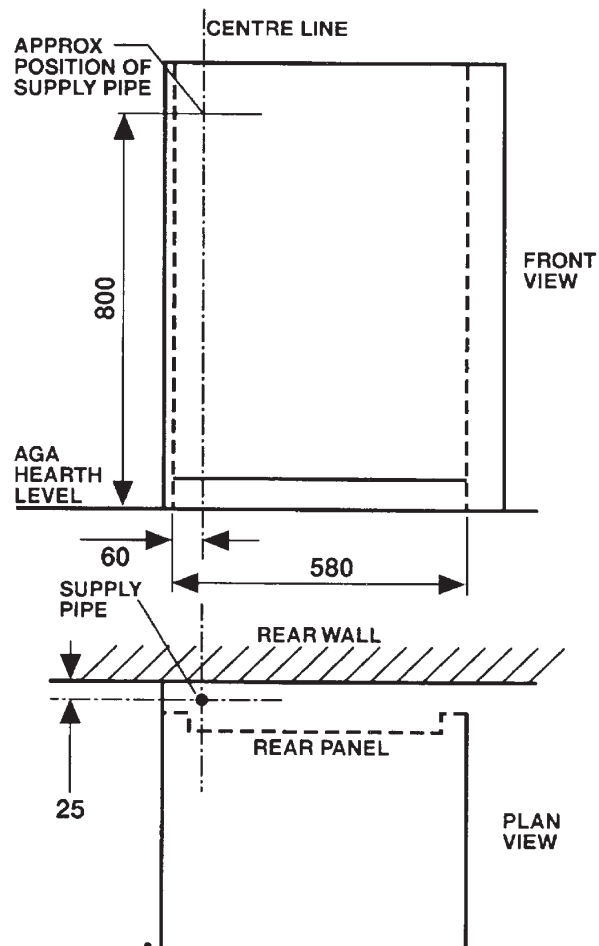


Fig. 3 Gas Supply Connections

DESN 511647

ELECTRICAL CONNECTION

Electrical connections are located at the back of the appliance.

Refer to Fig. 4 for wiring connection to the appliance.

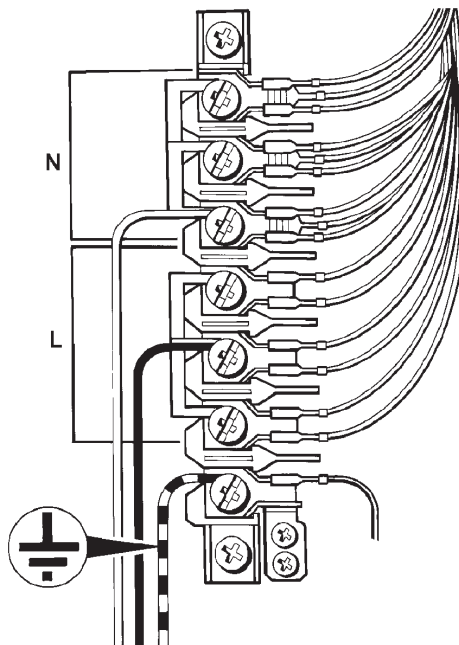
Remember that an excess of cable length is required for the possible withdrawal of the cooker.

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

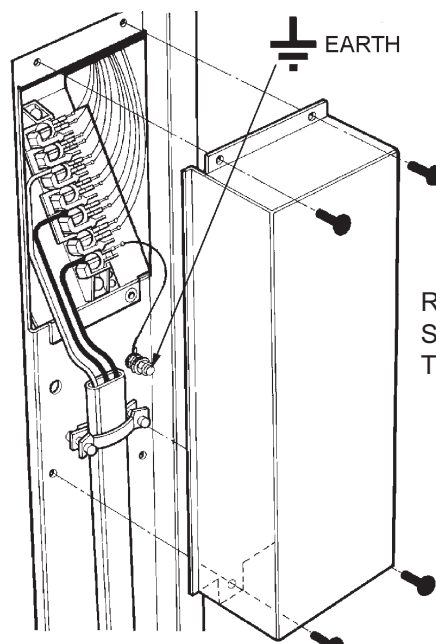
THE ISOLATOR SHOULD **NOT** BE POSITIONED IMMEDIATELY ABOVE THE MODULE, BUT **MUST** BE SITED WITHIN 2 METRES OF THE APPLIANCE.

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

MINIMUM 4mm² AND MUST COMPLY WITH THE LATEST EDITIONS OF THE LOCAL AND NATIONAL WIRING REGULATIONS



DESN 513370



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

Fig. 4

DESN 513372

LOCATION

This is a class 2, type X appliance.

The side wall above the hob shall be greater than 60mm from the cooker, only when adjacent to combustible material.

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

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 module.

INSTALLATION SEQUENCE AND PROCEDURE

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

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

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

AGA Total Control (TC3) = 370kgs

AGA Dual Control = 444kgs

Hotcupboard (TC5 / DC5) = 110kgs

Module = 129kgs

2. Unpack and remove the Module from the pallet.
3. Check that the rear extension piece is secured to the left hand side panel.
4. Release 2 screws from front tongue bracket and allow the bracket to drop downwards. Now slide the Module off its plinth and set to one side.

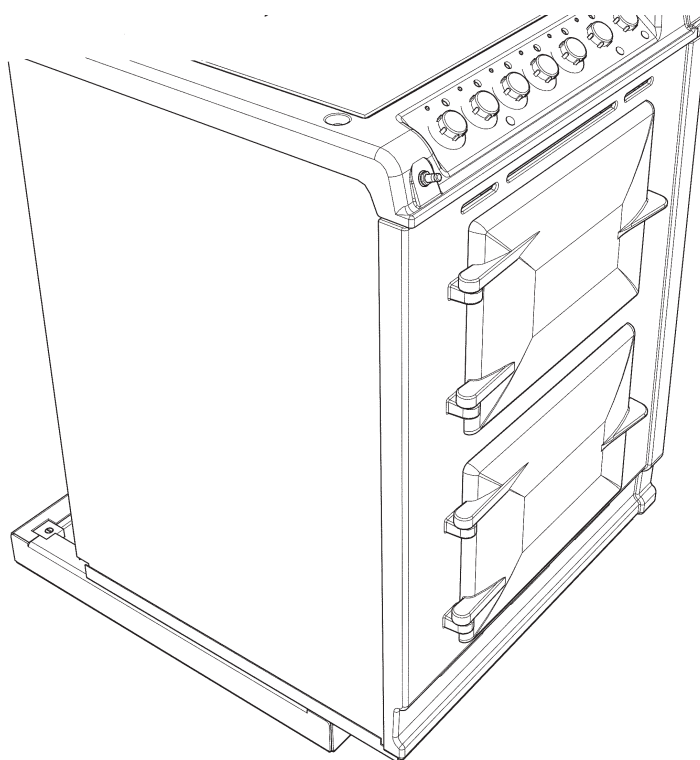


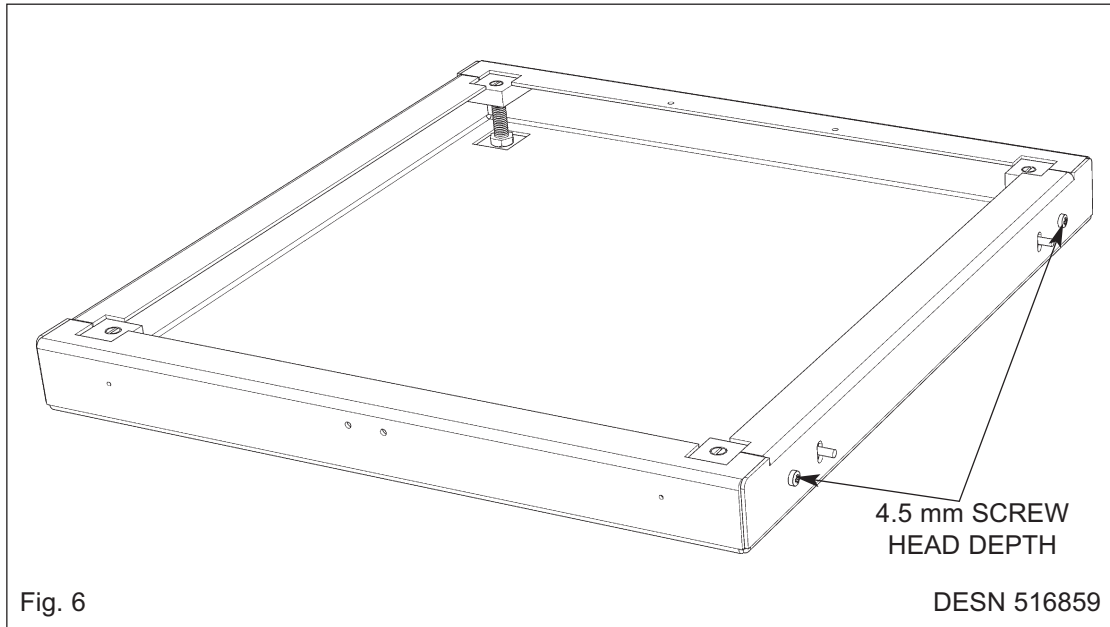
Fig. 5

DESN 516863

5. The Module plinth can now be levelled and fitted up to the main appliance. Position the Module plinth alongside the AGA TC3/DC3 leaving no gap between the two plinths. (See Fig. 7).

When fitting the Module onto a AGA TC5/DC5 there should be a gap of 4.5mm (See Fig. 6).

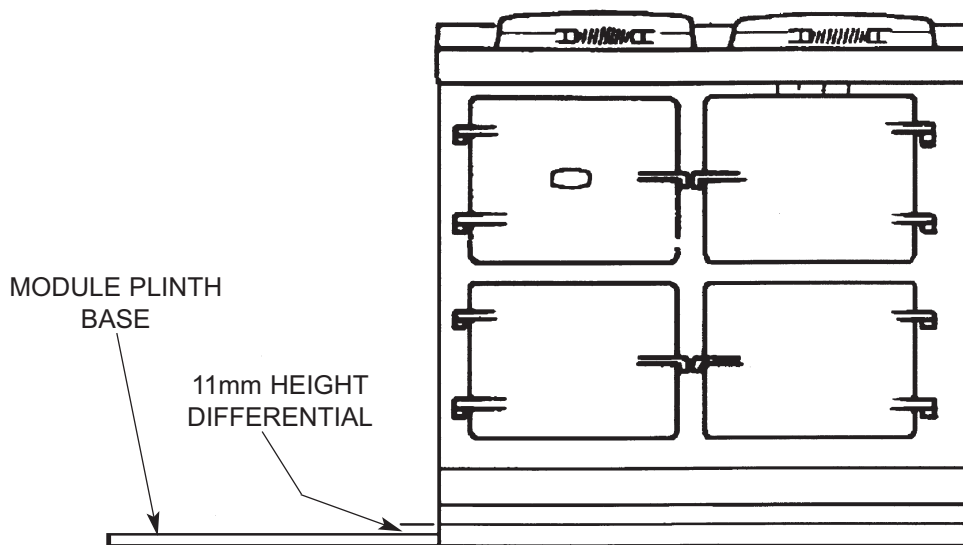
PLEASE NOTE: When fitting a Module plinth to an AGA TC5 or AGA DC5 the 2 adjustment screws should be screwed in from the outside (until they are fully in). The screw heads will set a gap of 4.5mm between plinths.



Check with a spirit level that the plinth is correct and using a straight edge check that both plinths are aligned along the front face (using either front or rear plinth adjustment screw to alter alignment, if necessary).

Also check height differential between the Module plinth and AGA Total/Dual Control plinth is correct 11mm. If necessary, use the adjusting studs in each corner to level the plinth. In extreme instances, shims may be used underneath the plinths (See Fig. 7 or 7A).

FOR AGA TC3/DC3 + MODULE ONLY



FOR AGA TC5/DC5 + MODULE ONLY

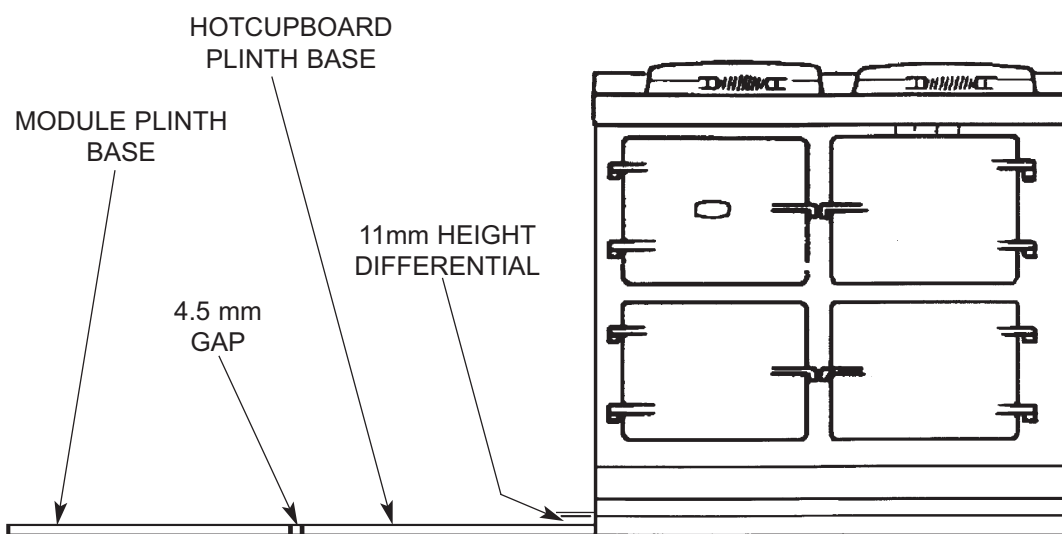


Fig. 7A

DESN 516276

6. Attach Module plinth to the AGA Total/Dual Control plinth using 2 M6 screws and washers provided (See Fig.8 or 8A). Slide front jointing bracket into place over two adjacent screws, locking the two appliances together.

FOR AGA TC3/DC3 + MODULE ONLY

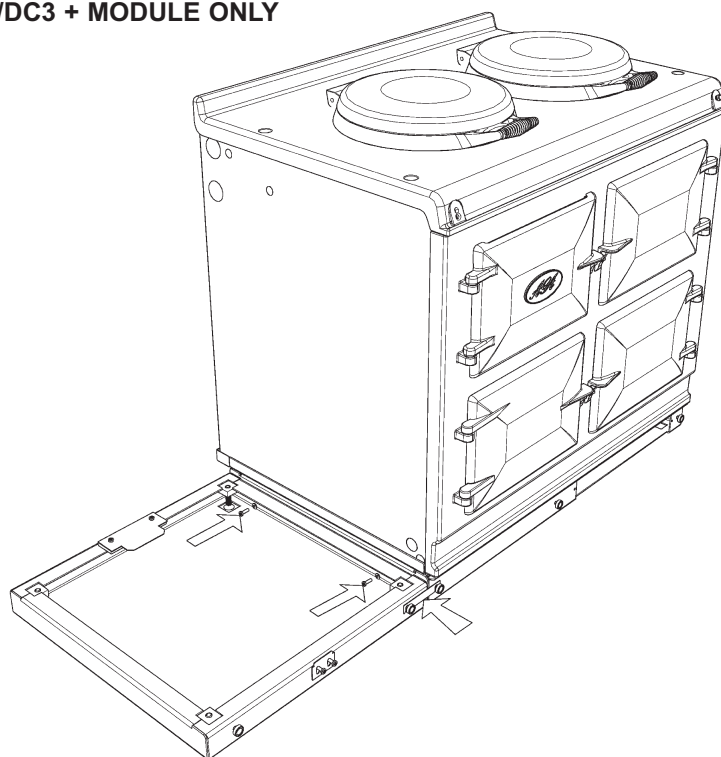


Fig. 8

DESN 516852

FOR AGA TC5/DC5 + MODULE ONLY

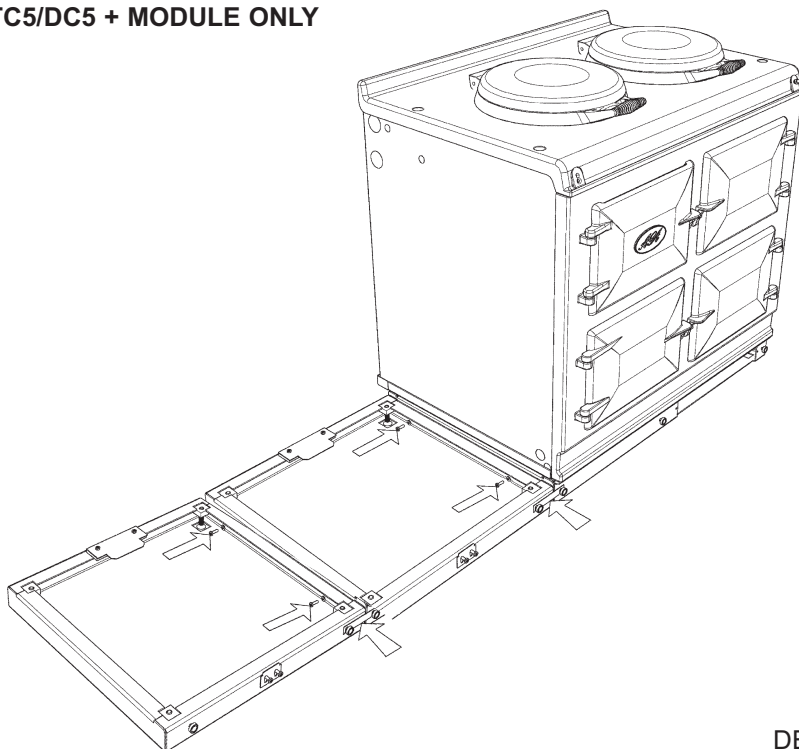
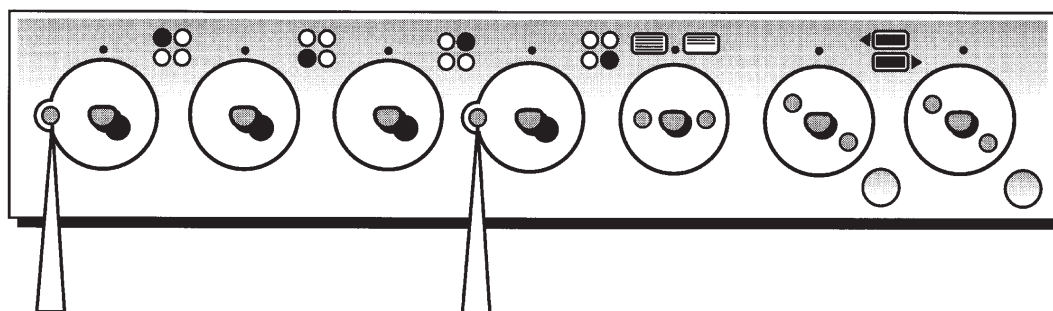


Fig. 8A

DESN 516858

7. Prior to electrical connections, remove top plate assembly from Module as follows:-
- Remove pan supports and all controls knobs.
 - Remove four chrome buttons and the four top plate retaining screws (2 each side).
 - Remove two screws from control panel (one from left hand hole and one from centre hole). (See Fig. 9).
 - Pull top plate slightly and lift up at front. Support top plate and disconnect wiring to the two neons. Remove top plate.
 - Lay the top plate on its top face, suitably protected.



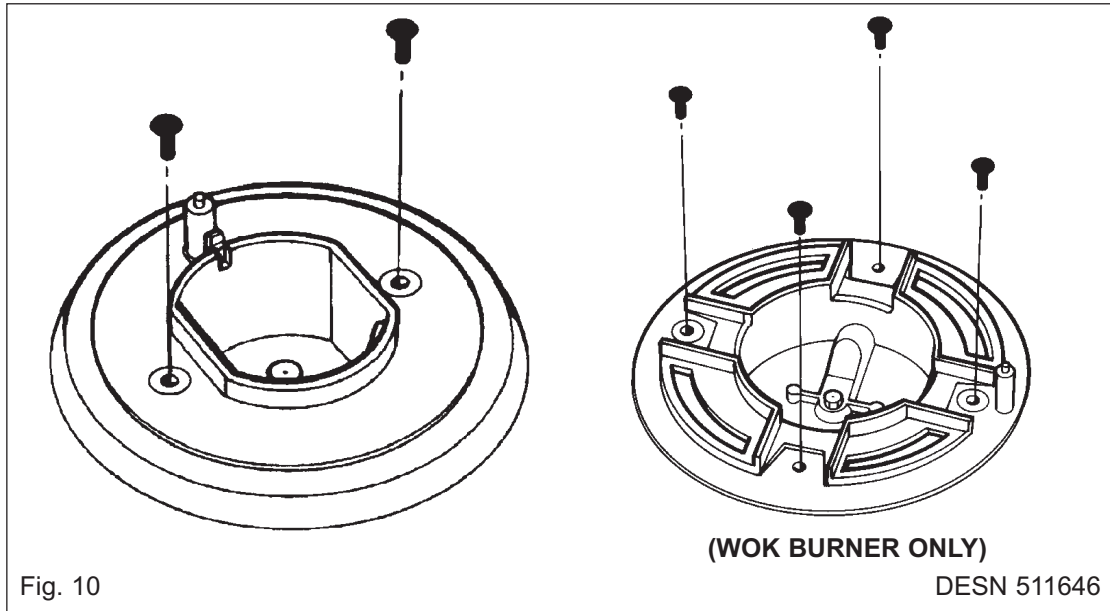
REMOVE 2 FIXING SCREWS

Fig. 9

DESN 511645

Remove hotplate as follows:-

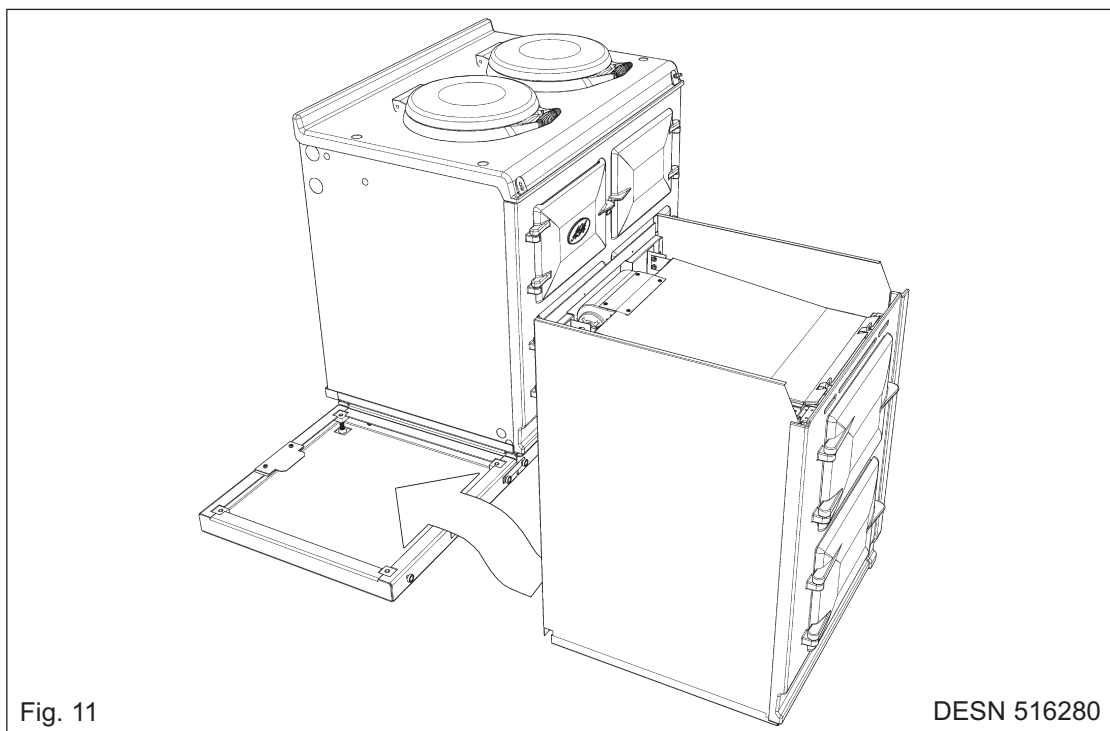
- a) Remove burner heads and burner caps.
- b) Remove all of the screws retaining hotplate burner trims (4 from Wok burner, 2 each from the other three burners). (See Fig. 10).
- c) Carefully remove burner trims and gaskets, taking care not to damage gaskets or burner electrodes.
- d) Disconnect earth wire from left hand control panel mounting bracket.
- e) Remove hotplate casting.



8. Check current is OFF.

Connect mains wire to terminal block at the rear of the cooker (See Fig. 4). Sufficient cable should be available to allow cooker to be removed for service.

9. Slide Module and plinth until rear tongue bracket engages fully into rear of base slot. (See Fig. 10). Ensure the appliance is aligned squarely with the plinth then proceed to engage the front tongue bracket into the slot on the underside of the base plate. Once satisfied that the front tongue bracket is engaged fully lock into place by tightening the two M6 screws fully.



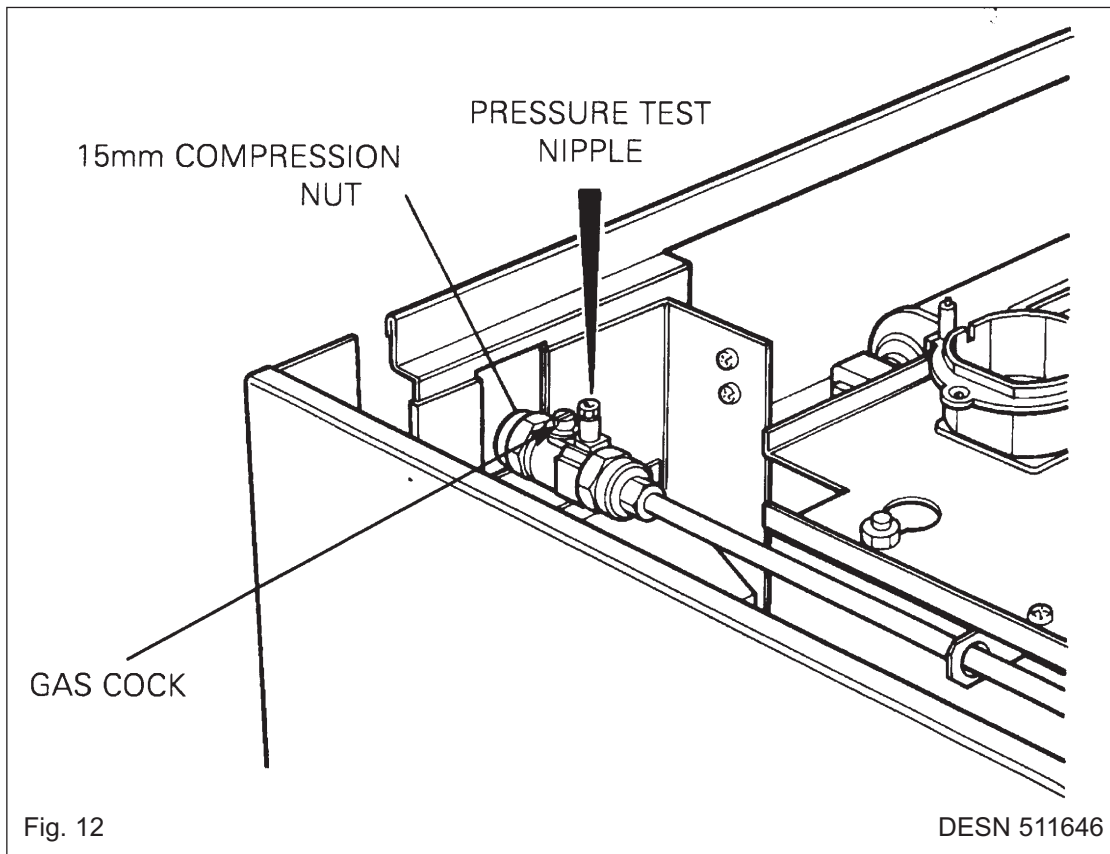
10. Check to ensure that the Module front plate and AGA Total/Dual Control front plate are the same height, and that the overlap strips correspond correctly. If not, adjustment should be made to the relevant appliance, at this stage.

CONNECTING TO GAS

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

- a) Mark off appropriate position on wall for gas supply to cooker. See Fig. 1 or 2. Dimensions N and O, see also Fig. 2.
 - b) Isolate the gas supply and connect pipework as required up to the position marked.
 - c) Check for gas tightness after connecting gas supply.
11. Make final gas connection to cooker (15mm compression) into the gas cock/pressure test fitting. (See Fig. 12).

Check for gas tightness after connecting gas supply.



12. PRESSURE TESTING

The pressure test point is situated at the rear of the left hand side of the appliance just below hotplate level. (See Fig. 12).

Remove screw from pressure test nipple. Fit the pressure gauge onto the pressure test nipple.

Turn the gas cock to the **ON** position.

Place one of the burner heads and burner cap into position on the burner body. Push in and turn the appropriate control knob anti-clockwise to full-on position, and light the burner with a match.

For Natural Gas appliance, the pressure should be nominal 20mbar (8 inches water gauge).

For LPG appliance (propane) the pressure should be nominal 37mbar (14.8 inches water gauge).

Turn off the tap, turn off gas cock, disconnect pressure gauge and refit pressure test screw to pressure test nipple.

Turn the gas cock back to the **ON** position.

Check for gas tightness.

14. Apply tape (provided) to the underside of the lap strip on the Module top plate.
15. Replace Module hotplate. Re-assemble in reverse order (See section 7). Ensure burner heads and burner caps are correctly located (See Fig. 13, 13a and 13b) and electrodes are not damaged.
16. Replace Module top plate as follows:
 - a) Support top plate at front and reconnect the wiring to the two neons.
 - b) Carefully lower the top plate into position taking care not to damage wiring or neons.
 - c) Ensure holes for controls spindles are aligned correctly, and replace 2 screws into control panel.
 - d) Loosely screw the top plate down with 4 retaining screws.
17. Verify that the two top plates are level, then proceed with tightening down.

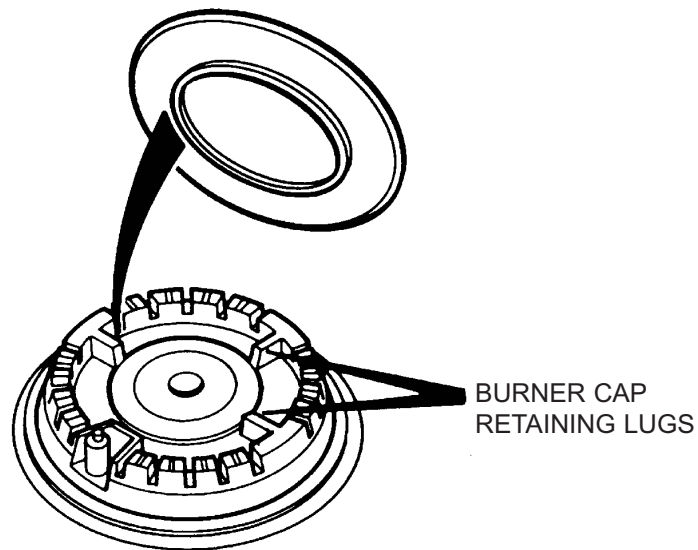


Fig. 13

DESN 511617

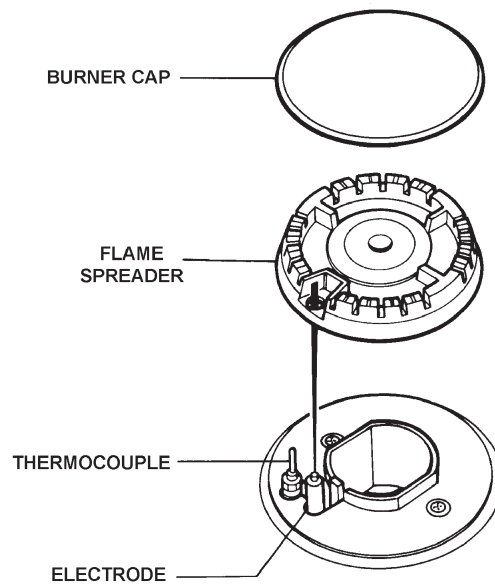


Fig. 13a

DESN 513513

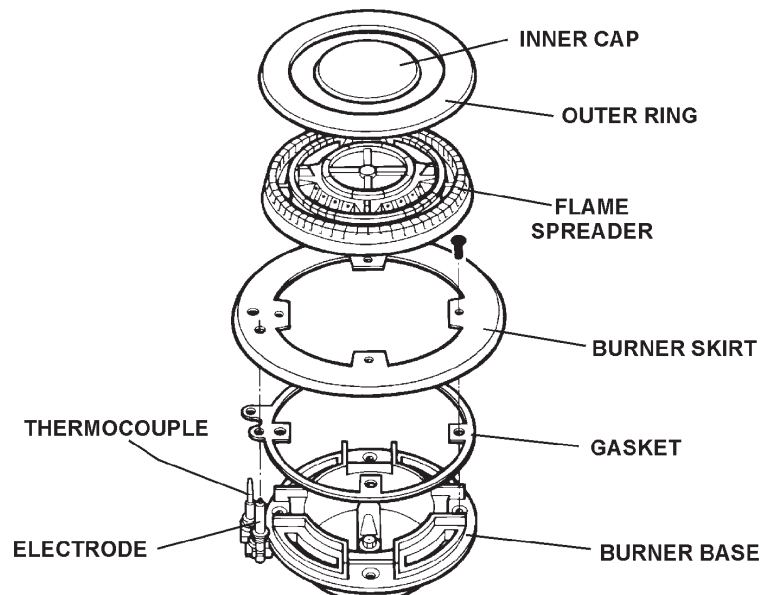


Fig 13b

DESN 513898

18. Fit the Module handrail bracket over the fixing stud located on the top plate. Lock into position by tightening the grub screw nearest the appliance. (See Fig. 14).

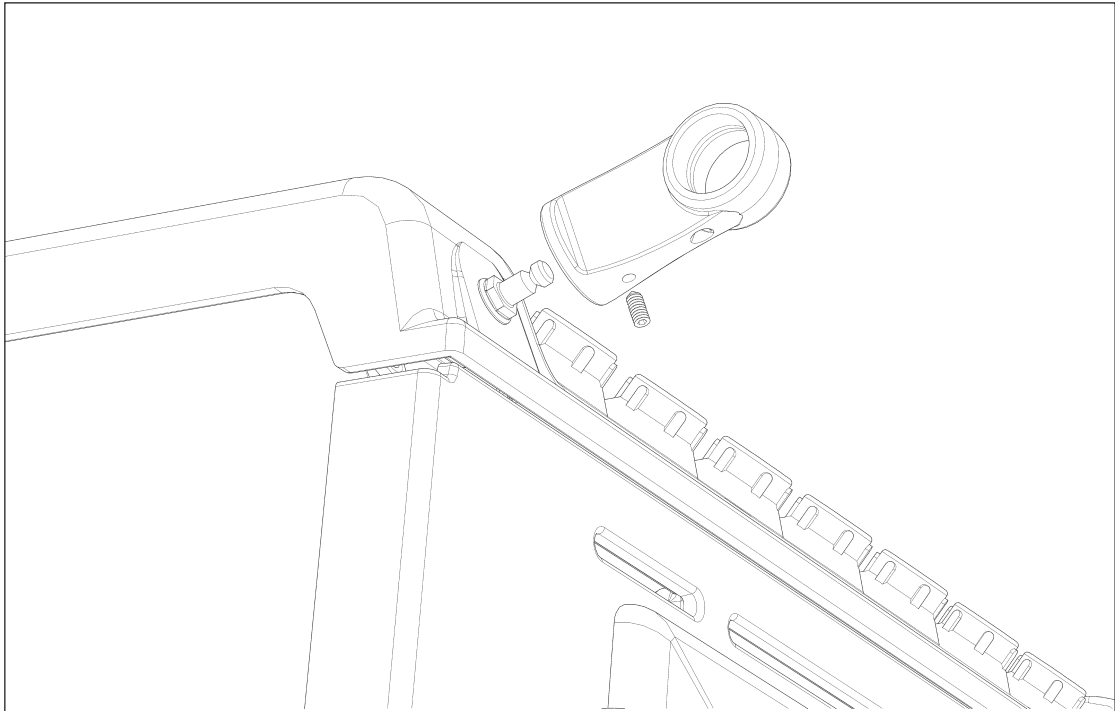


Fig. 14

DESN 516855

19. Next, fit allthread stud into the insert located in the one end of the Module handrail, then feed the handrail through the bracket and screw the handrails together. (See Fig. 15).

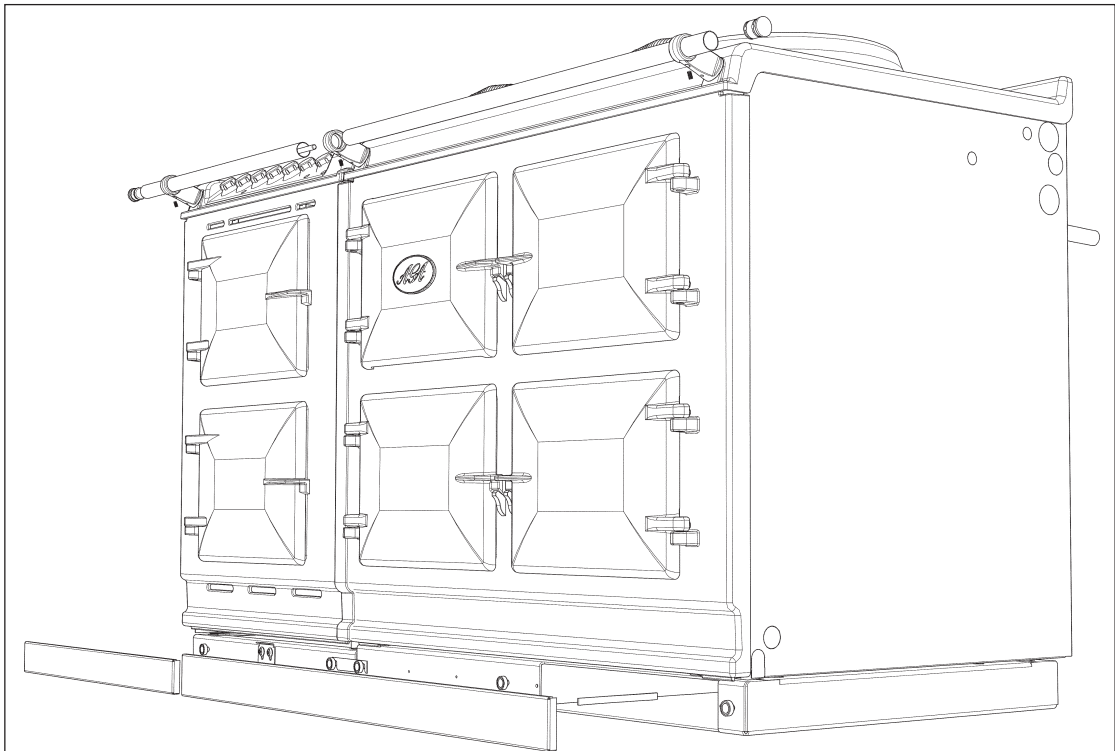


Fig. 15

DESN 516856

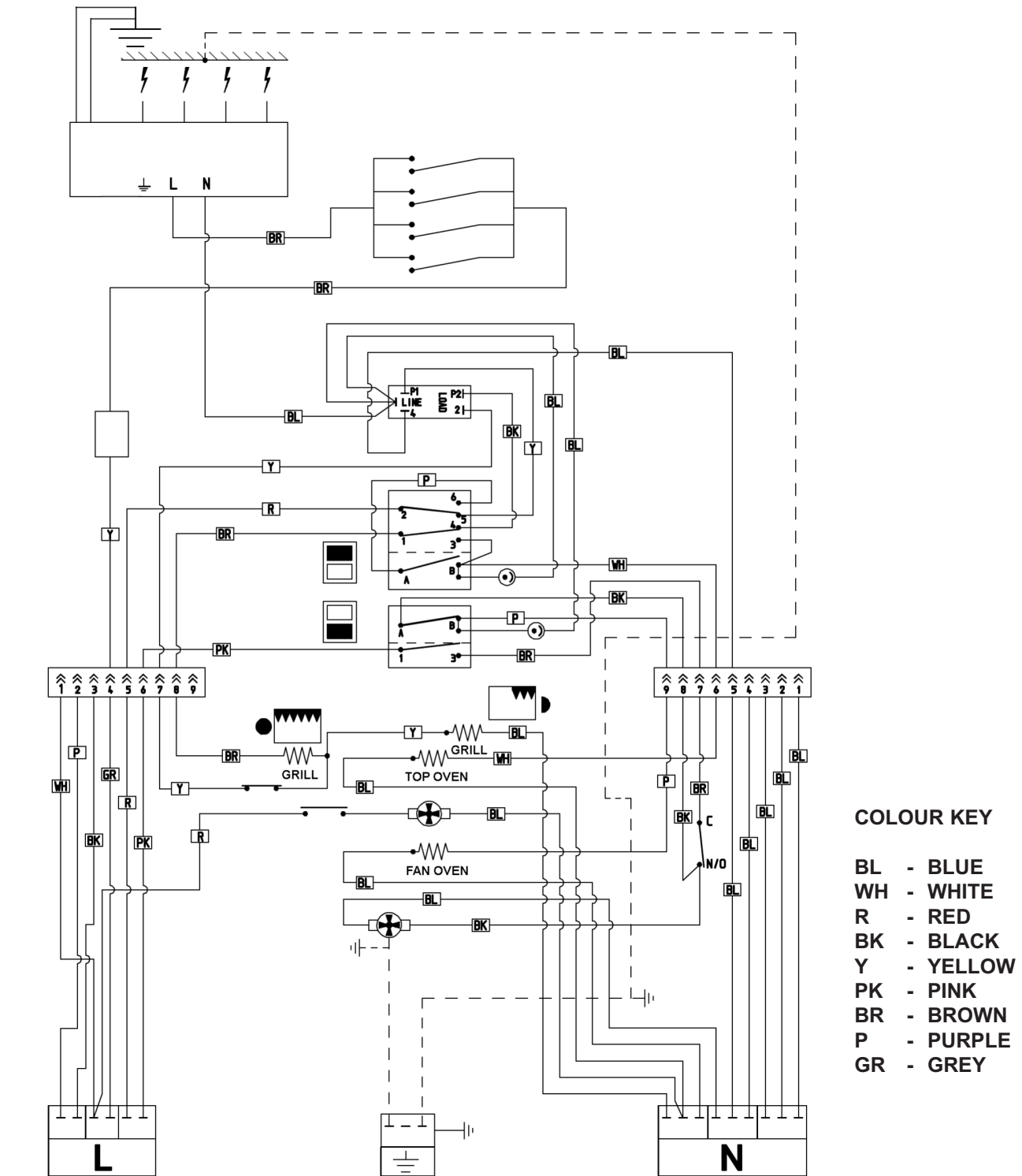
20. Once the handrail assembly is located squarely, lock the handrail in position by winding in the grub screws on the underside of each handrail bracket.
21. Once the handrails are locked in position, fit the handrail endcaps. The endcaps should be carefully pushed into place until they sit flush with the outside face of each bracket (a light smear of lubricant such as, washing up liquid on the end cap 'O' rings may ease fitment).
22. Finally, fit the plinth fascia to the magnets on the front of the plinth, making sure that the right hand side of the Module plinth fascia sits against the left hand side of the AGA Total Control or AGA Dual Control plinth fascia leaving no gap between. Also, make sure that the plinth fascias are centrally located and do not overhang either appliance. (See Fig. 15).

Commission the AGA Total Control or AGA Dual Control, as stated in the relevant Installation Instructions and carry out functional test on each of the features of the Module.

SERVICING

- In the event of your appliance requiring maintenance please call AGA Service or contact your authorised distributor/stockist.
- Your cooker must only be serviced by a Qualified Engineer from an authorised distributor or stockist.
- Do not alter or modify the cooker.
- Only the spares specified by the manufacturer are to be fitted.

AGA TC/DC MODULE (WITH GAS HOB) (FFD) WIRING DIAGRAM



EGLL211618 C

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

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

With AGA Rangemaster'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



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