



AGA TOTAL CONTROL Model No's: TC3 & TC5

Installation Guide

WARNING!

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

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

Installation and service must be performed by a qualified installer or service agency.

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

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

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

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

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



For use in GB and IE

09/18 EINS 516739

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1. Health and Safety

NOTE : The installation manual and user guide for this appliance, are available online on www.agaliving.com.

- ⚠ Children less than 8 years of age shall be kept away unless continuously supervised. Cleaning and user maintenance MUST not be made by children without supervision.**
- ⚠ WARNING: ACCESSIBLE PARTS MAY BECOME HOT DURING USE. TO AVOID BURNS AND SCALDS CHILDREN SHOULD BE KEPT AWAY.**
- ⚠ WARNING: During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the ovens.**
- ⚠ WARNING : Any spillages should be removed from the hotplate lids before they are opened.**
- ⚠ WARNING : This appliance is not intended to be operated by means of an external timer not approved by AGA or a separate remote-control system.**
- ⚠ CAUTION: The cooking process has to be supervised. A short term cooking process has to be supervised continuously.**
- ⚠ WARNING: Danger of fire: Do not store items on the cooking surfaces.**
- ⚠ 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.**
- ⚠ NEVER place anything aluminium between the saucepan base and the ceramic surface of the induction hob (i.e. cooking mats, aluminium foil, etc).**
- ⚠ IMPORTANT: Oil is a fire risk, NEVER leave pans containing oil or fat unattended during the heating or cooking period.**
- ⚠ NEVER fill the pan more than one-third fill of fat or oil.**
- ⚠ WARNING: If the induction hob surface is cracked, switch off the appliance to avoid the possibility of electric shock.**
- ⚠ Installation and maintenance must be performed by a qualified installer or service agency.**
- ⚠ WARNING! This appliance must be installed with an appropriate device that will allow permanent disconnection of the Live and Neutral conductors. During Installation or disconnection prior to any electrical work, the appliance must be permanently disconnected from the Supply (Live) and Neutral Conductors.**

- ⚠ 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.**

This appliance operates on single phase. To adjust to 2 or 3 phase installation, an optional adapter kit must be obtained (Part No. AE4M280352).

- ⚠ DO NOT use a steam cleaner on your cooker.**
- ⚠ To avoid overheating, DO NOT install the cooker behind a decorative door.**
- ⚠ For correct installation of the oven shelves, refer to on page 10 "Oven shelves"**
- ⚠ 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.**
- ⚠ DO NOT put oven doors or resting plates in a dishwasher.**
- ⚠ Children should be supervised to ensure that they do not play with the appliance.**
- ⚠ Induction hobs; - Metallic objects such as knives , forks, spoons and lids should not be placed on the hob surface since they can get hot.**

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.

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.

Cooker Base or Hearth

It is essential that the base or hearth on which the cooker and 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 cooker must be raised by the thickness of the tiles to ensure the plinth can be removed.

Glues and Sealants

Exercise caution - if they 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.

General

- In the event of a fire, cover the pan 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.

Deep Fat Frying

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

2. Installation requirements

THIS APPLIANCE MUST ONLY BE INSTALLED BY COMPETENT ENGINEERS WHO HAVE BEEN SPECIFICALLY FACTORY TRAINED ON THE PRODUCT AND WHO HAVE THE APPROPRIATE EQUIPMENT.

With specific exceptions, the installing of any type of AGA cooker is subject to the respective directions contained in the current issue of the Building Regulations. In addition, planning permission may need to be obtained, which should be applied for separately.

The installation of the appliance must be in accordance with the relevant requirements of the IEE Wiring Regulations and Building Regulations. It should be in accordance also with any requirements of the local authority.

In your own interest, and that of safety to comply with the law, all appliances should be installed by an authorised AGA engineer or distributor, in accordance with the relevant regulations.

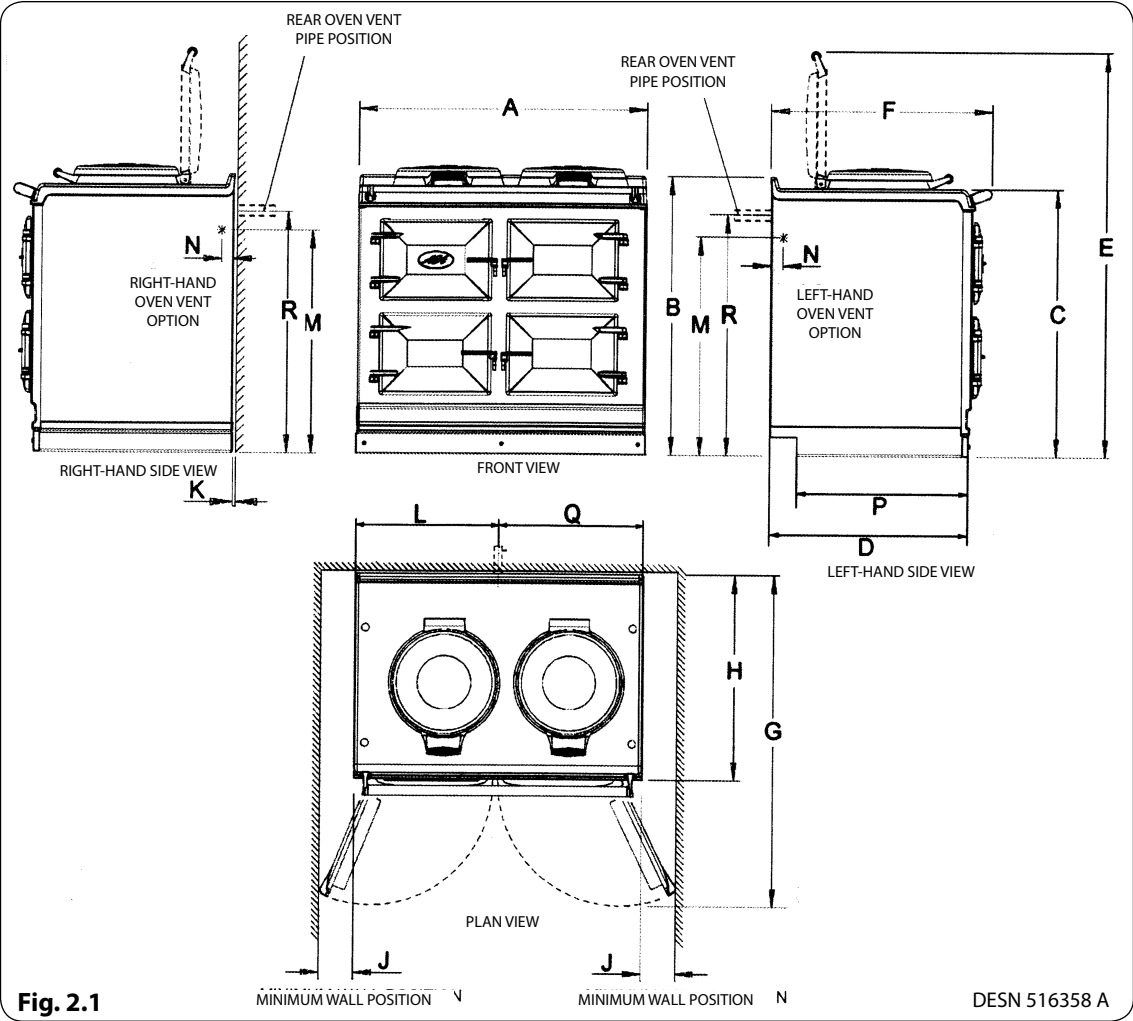
Delivery requirements

- The AGA TC3 arrives on 1 pallet
- The AGA TC5 (Hotcupboard) arrives on 2 pallets.

There must be access to the kitchen to manipulate a foot print of 1005mm x 740mm. A wooden template (skate with castor wheels) of dimensions 1005mm x 740mm could be used to check if the AGA Total 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 960mm off pallet and 1100mm 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 Total Control can be installed as intended with no re-work.

Appliance dimensions - AGA TC3



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
mm	987	951	913	680	1388	760	1145	698	116	10	536	813	30	634	448	824

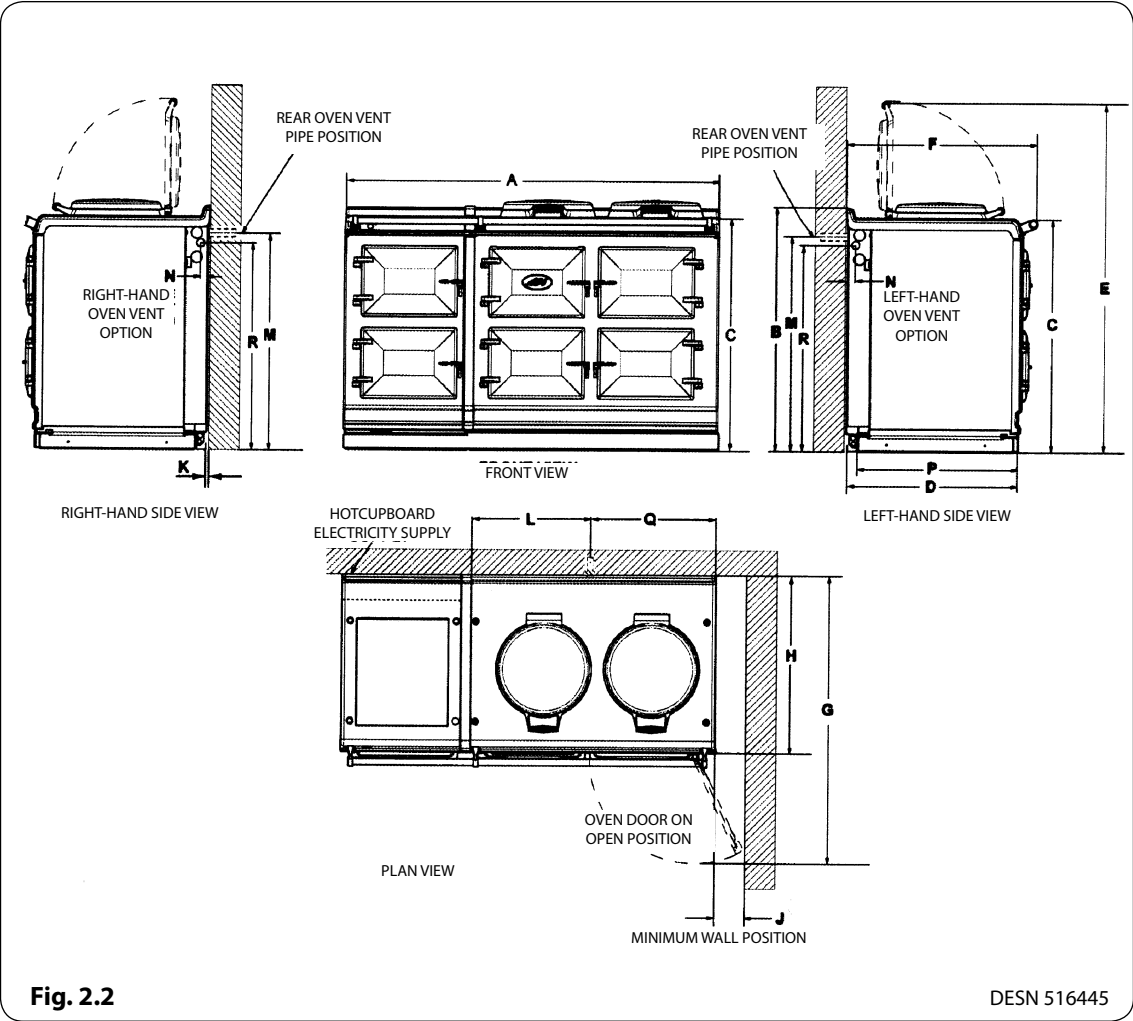
Cooker Dimensions

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

APPLIANCE WEIGHT

Model: AGA Total Control (TC3) - 370kg

Appliance dimensions - AGA TC5



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
mm	1478	951	913	680	1145	760	1145	698	116	10	536	824	30	634	448	813

Cooker Dimensions

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

APPLIANCE WEIGHT

Model: AGA Total Control (TC3) - 370kg

Hotcupboard - 110kg

Clearances

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 is required above the raised insulating cover handle.

Side Clearances: A 3mm gap is required each side between the cooker 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 cookers are fitted against side walls a 116mm 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 10mm, to allow for the walls not being square.

In addition, a minimum clearance of 1000mm must be available at the front of the cooker to enable the cooker to be serviced.

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 appliance. The base of the built-in AGA plinth must be level and sit above finished floor height for service access.

The front plinth cover is removable and must not be obstructed by flooring or tiles. If necessary the cooker must be raised by the thickness of the tiles to ensure the plinth can be removed. Shims are provided to eliminate rocking.

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, access to remove the hot plate must be allowed for servicing at a later date.

A gap of at least 10mm must be observed between the rear of the top plate, and the wall behind the appliance. **If the rear wall is of combustible material there must be a gap of 25mm.**

Power supply - AGA TC3

⚠ WARNING: THIS APPLIANCE MUST BE EARTHED.

THIS APPLIANCE IS DESIGNED FOR THE VOLTAGE STATED ON THE RATING PLATE, WHICH IS SITUATED BEHIND THE PLINTH COVER.

IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER, ITS SERVICE AGENT OR SIMILARLY QUALIFIED PERSON TO AVOID A HAZARD.

A 1PH 32 amp 230V or 3PH 400V minimum 16A per phase ~ 50 Hz fused electrical supply is required adjacent to the appliance. For single phase connection a minimum cable size of 6mm² is to be used between cooker cable connection point and the home's main distribution board. External wiring to the unit must be installed using the mains cable provided, in accordance with the current wiring regulations and any local regulations which apply. If cable is shortened, new ferrules must be fitted to the stripped conductors.

The method of connection to the mains electricity supply must facilitate complete electrical isolation of the appliance, by a multi-pole switch, having a contact separation of at least 3mm on all poles.

The isolator should not be positioned immediately above the cooker, but must be fitted within 2 metres of the appliance.

The isolator may be separate from the connection point.

The mains connection point must be accessible within the areas shown in **Fig. 2.3** for cable routing options.

For 2 or 3 phase installations an optional adaptor kit must be obtained (Part No. AE4M280354).

Power supply - hotcupboard (AGA TC5)

THE HOTCUPBOARD ATTACHMENT REQUIRES AN INDEPENDENT SINGLE PHASE POWER SUPPLY.

⚠ WARNING: THIS APPLIANCE MUST BE EARTHED.

THIS APPLIANCE IS DESIGNED FOR THE VOLTAGE STATED ON THE RATING PLATE, WHICH IS SITUATED ON A SLIDE-OUT TRAY IN THE HOTCUPBOARD BASE PLATE ABOVE THE PLINTH.

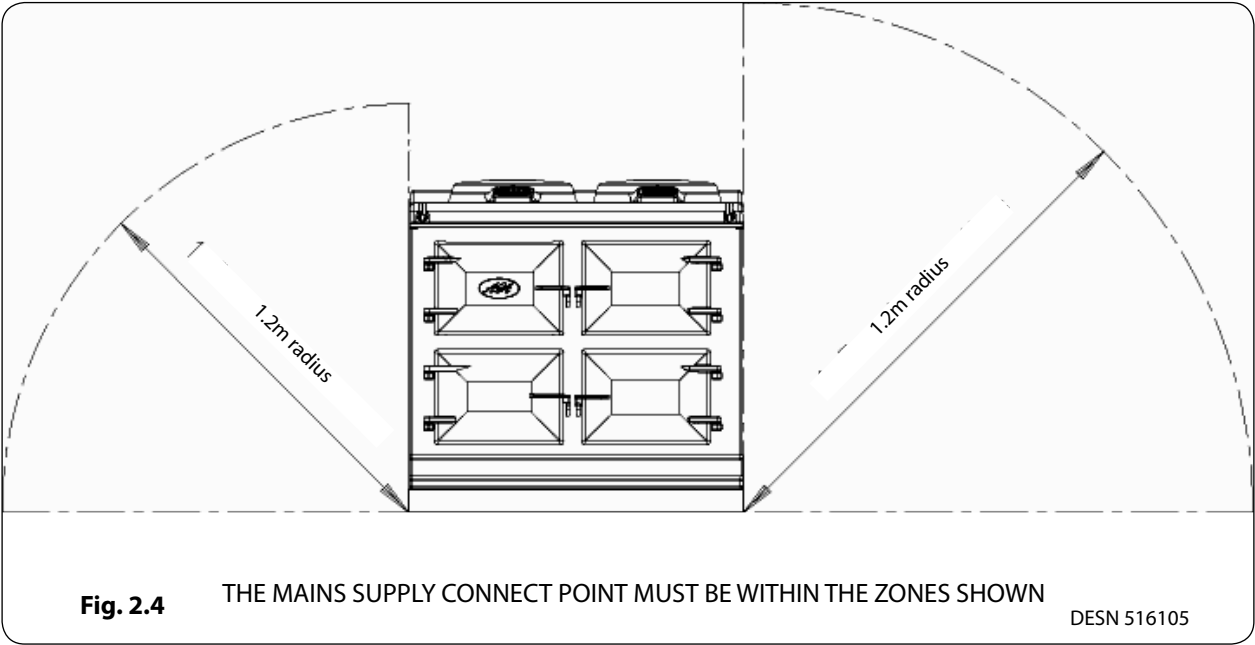
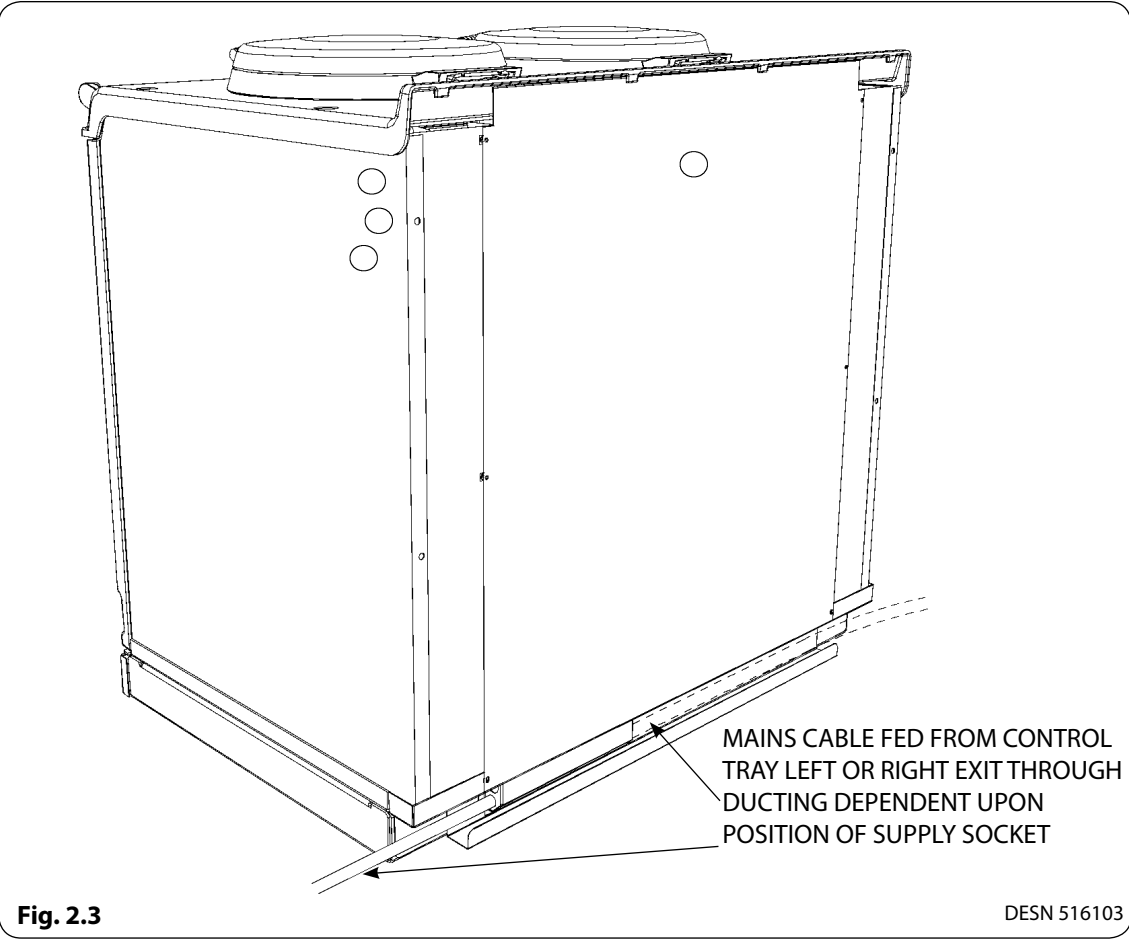
IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER, ITS SERVICE AGENT OR SIMILARLY QUALIFIED PERSON TO AVOID A HAZARD.

A 230v ~ 50 Hz, 3 amp fused electrical supply is required adjacent to the appliance (with the exception of the AGA TC5 and DC5 Hotcupboard with Induction Hob model, please refer to the AGA Induction Hob model instructions for the power supply requirements). External wiring to the unit must be installed using the mains cable provided, in accordance with the current wiring regulations and any local regulations which apply.

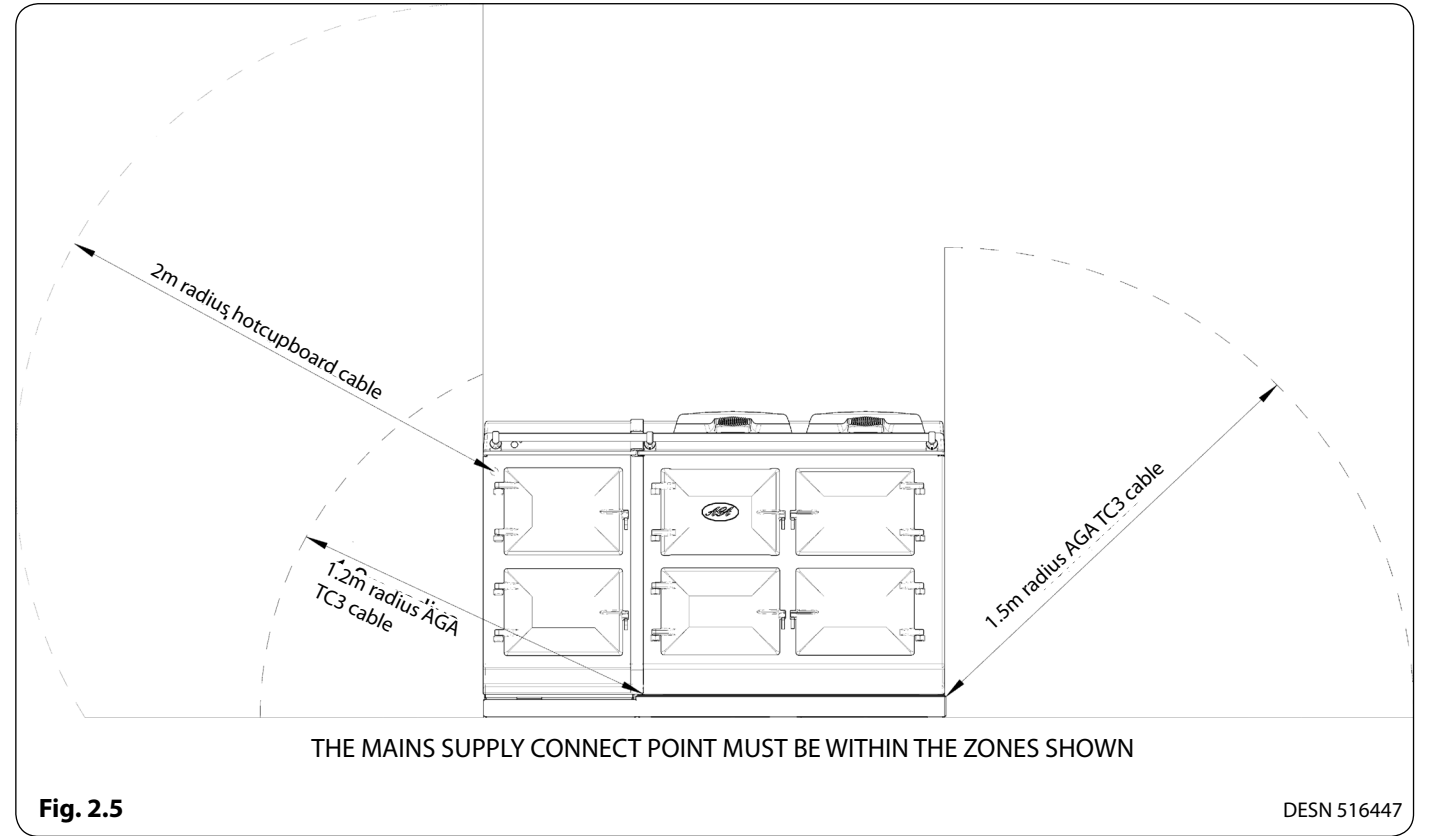
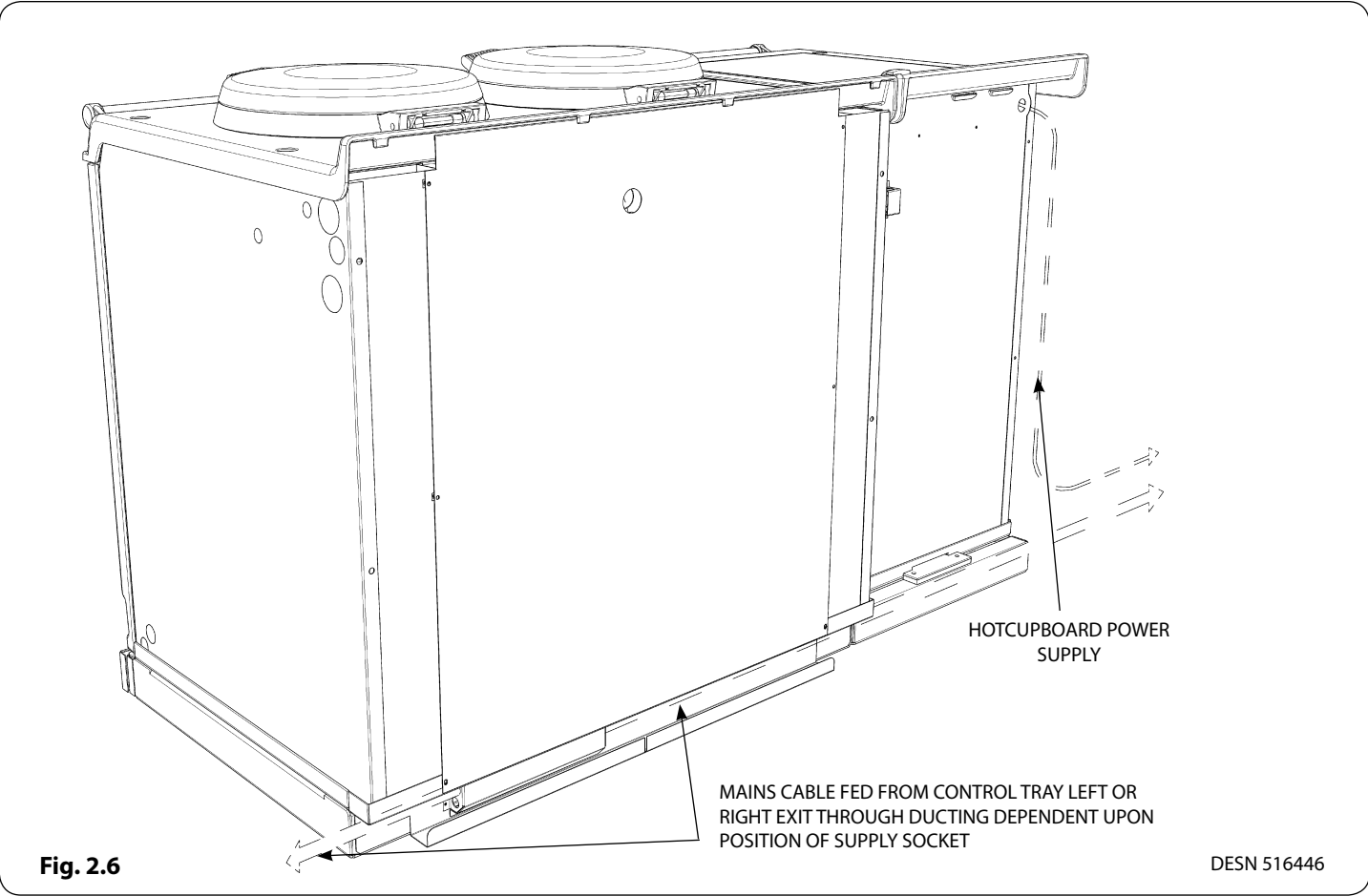
The method of connection to the mains electricity supply must facilitate complete electrical isolation of the appliance, preferably by a fused double pole switch, having a contact separation of at least 3mm in both poles.

The isolator should not be positioned immediately above the hotcupboard, but must be fitted with 2 metres of the appliance.

Mains cable routing - AGA TC3



Mains cable routing - AGA TC5 (Hotcupboard)



Vent pipe connection

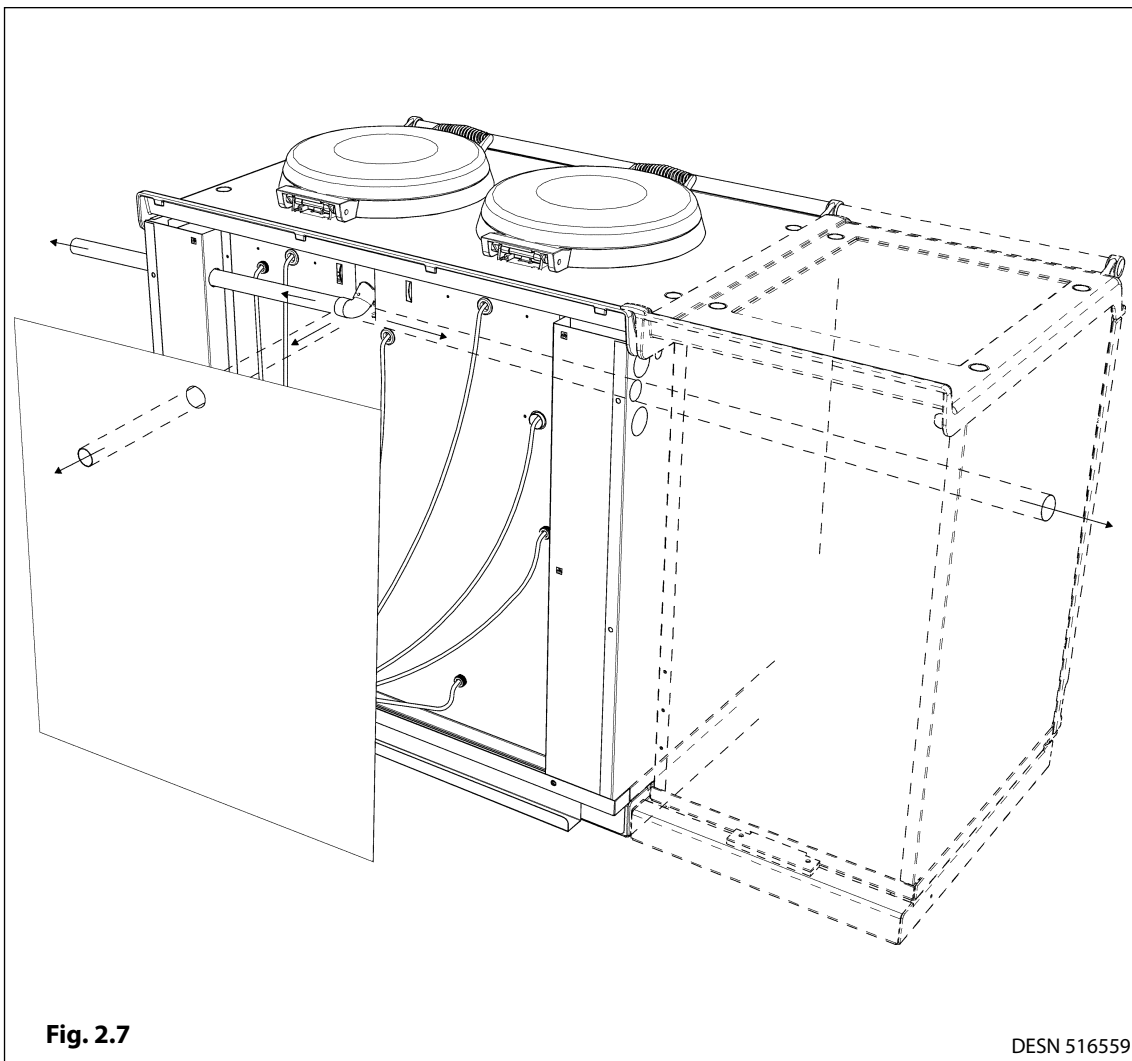


Fig. 2.7

DESN 516559

The appliance is shown with the oven venting from the RH side.

To gain access remove rear panel (6 screws).

It can also be vented from the LH side, by rotating the copper elbow 180° before fitting the vent pipe.

It can also be vented from the rear using a 45° fitting and exiting through hole in back panel.

Reseal pipe connection with aluminium tape.

When installing an AGA TC5 which is venting to the left hand side, care must always be taken to ensure the vent pipe is fully lagged (using insulation provided). Where the vent pipe passes behind the hot cupboard, ensure that the mains cable is kept away from the hot surface of the vent pipe.

Rear or right hand venting is preferable on AGA TC5 installations.

Oven venting systems

See **Fig. 2.8**

The appliance oven venting pipe can be achieved up to a maximum length of 6 metres, through an outside wall. Great care must be taken in all-timber houses.

If the oven vent pipe passes through combustible material, there must be an air gap of at least 25mm around the pipe and preferably wrapped with insulation material.

The max supply to the motor, as calculated should be limited to 22V (DC), for ideal operating conditions.

Calculating the voltage for the particular pipework is as follows:-

1. Keep the pipe run as simple as possible - avoid bends.
2. "Vertical risers" are not permitted.
3. Pipe run should be horizontal - slight downwards slope towards the fan.

Minimum 12 volts for first metre of vent pipe run inclusive of 1 bend

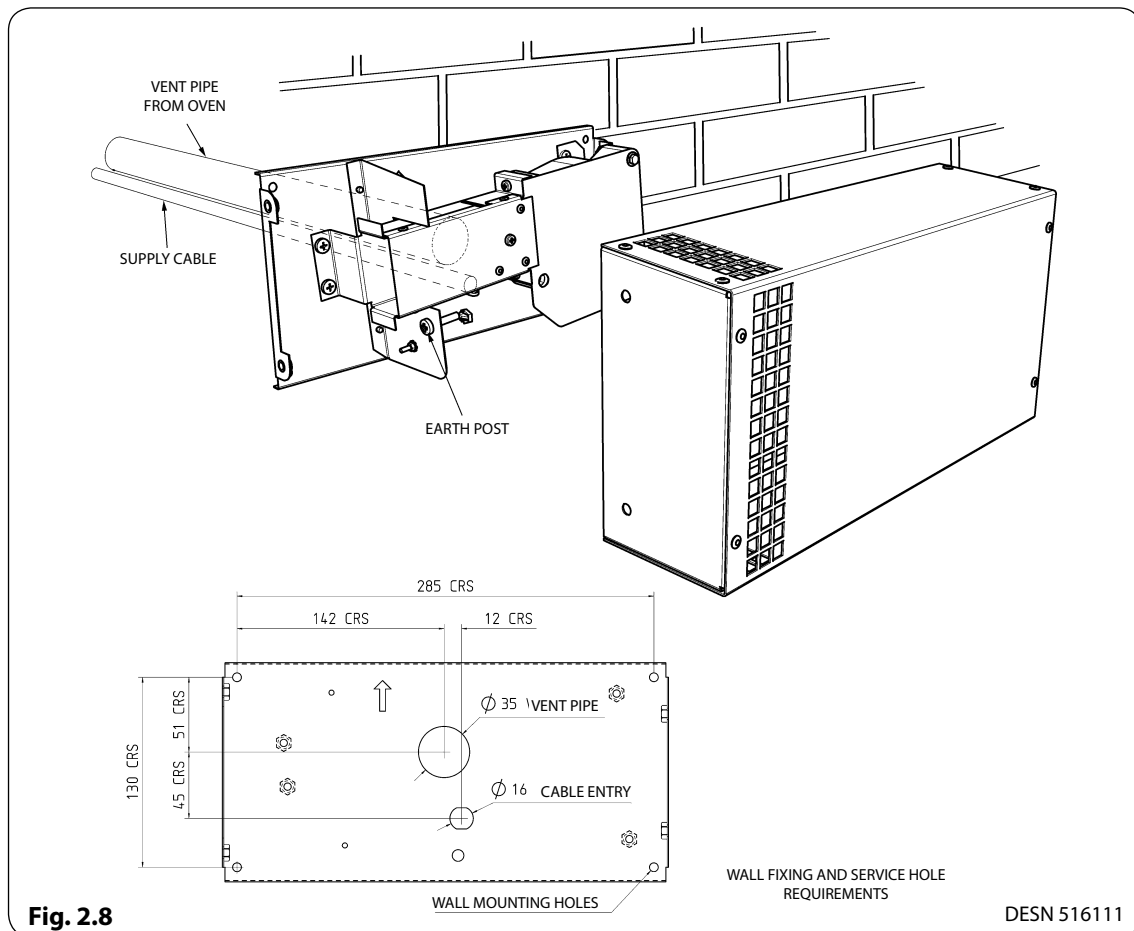
Each extra metre add 1 volt.

Each extra bend add 2 volts

Maximum allowed 22 volts.

Minimum setting is 15 volts.

NOTE: IN THE OVEN VENTING, PROVISION MUST BE MADE FOR EASY 'RODDING' OF THE PIPEWORK TO FACILITATE CLEANING.

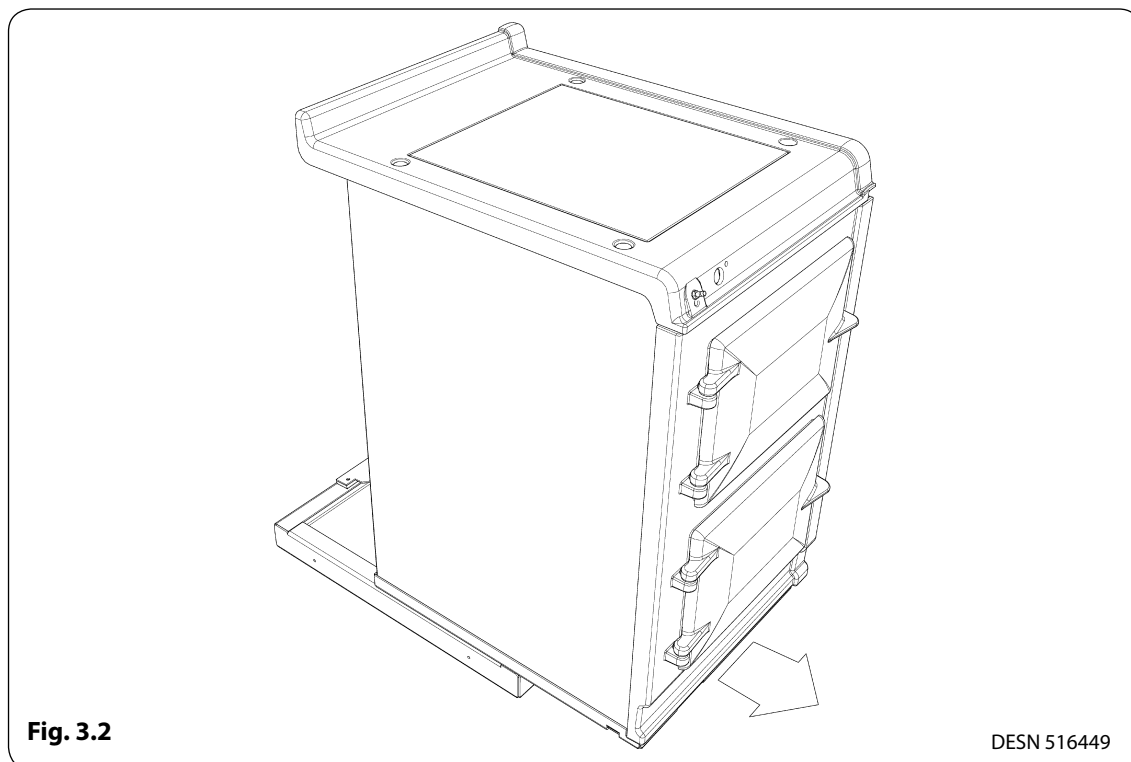
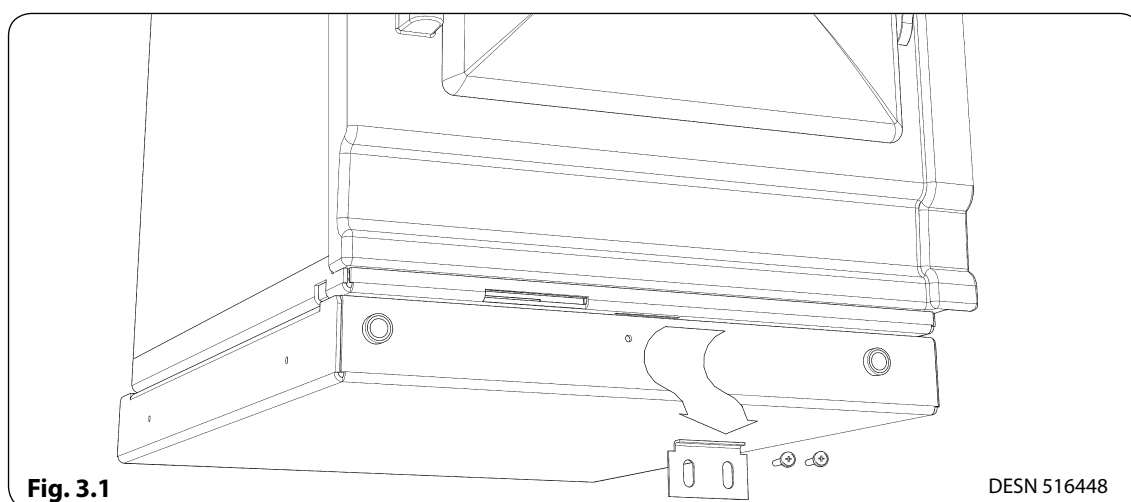


3. Hotcupboard installation

NOTE: The Aga DC/TC5 hotcupboard should arrive with the top plate in a jacked up position (**except for induction top versions which will arrive with the top fully wound down**). This is to allow the complete appliance to be slid onto its plinth when alongside the AGA DC/TC3 without the top plates clashing. The hotcupboard top plate should then be wound down to its correct height once the appliance is in its final position.

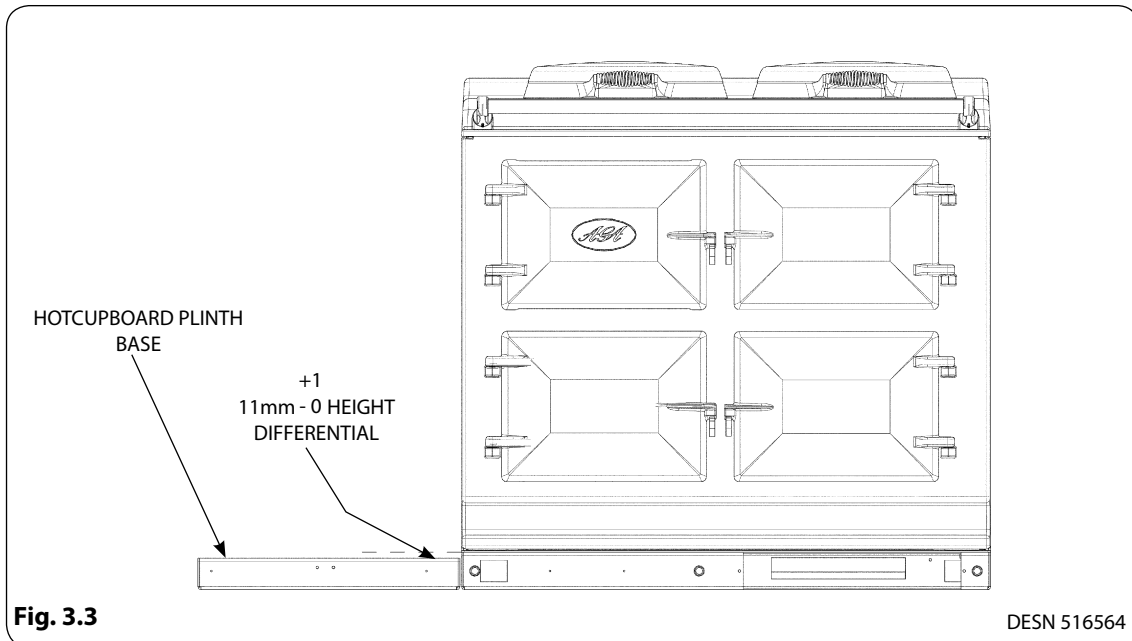
For induction top versions the top plate adjusters will need to be wound upwards before the hotcupboard can be fitted onto its plinth, in order to provide adequate clearance between the two top plates.

1. Detach hotcupboard from plinth by removing two screws and tongue bracket from plinth (**Fig. 3.1**), slide hotcupboard forwards and away from rear fixing bracket (**Fig. 3.2**).



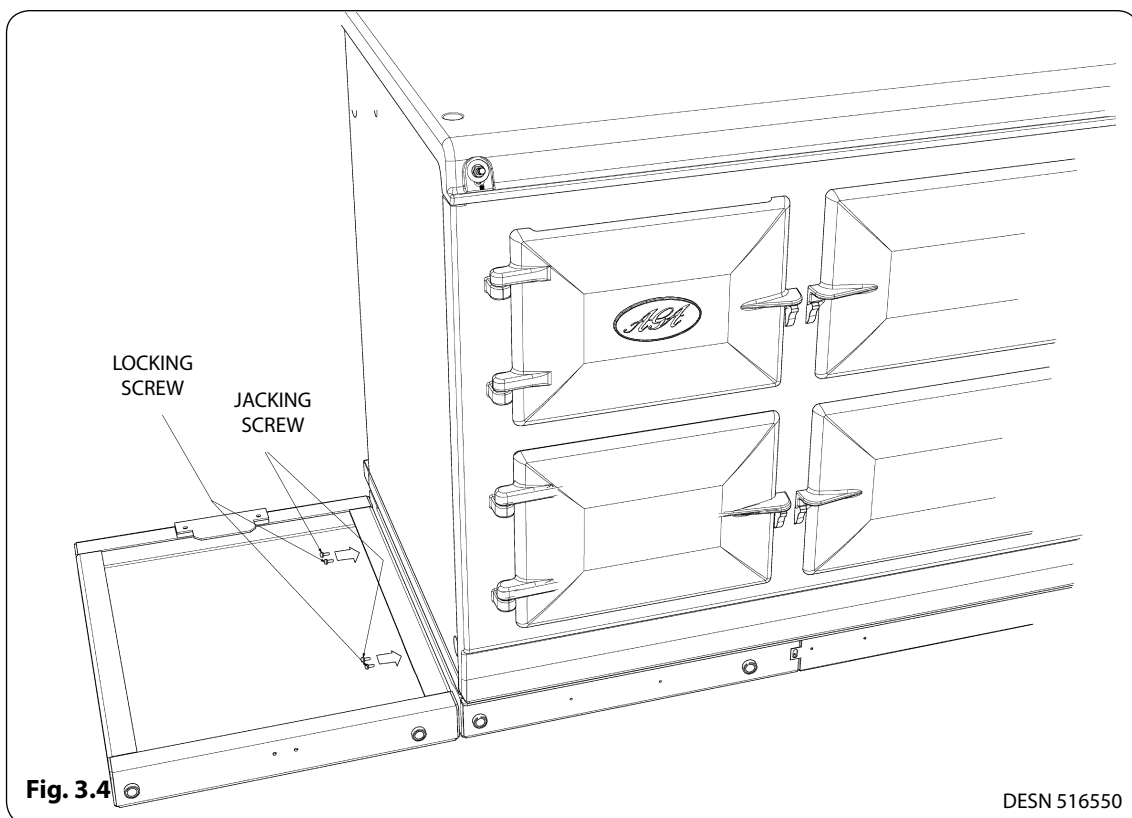
2. Position the plinth alongside the AGA Total Control leaving no gap between the two plinths (**Fig. 3.3**).

Check with a spirit level that the plinth level is correct, and also check height differential between the hotcupboard plinth and Total Control plinth is correct (11mm). If necessary, use shims in each corner to level the plinth.



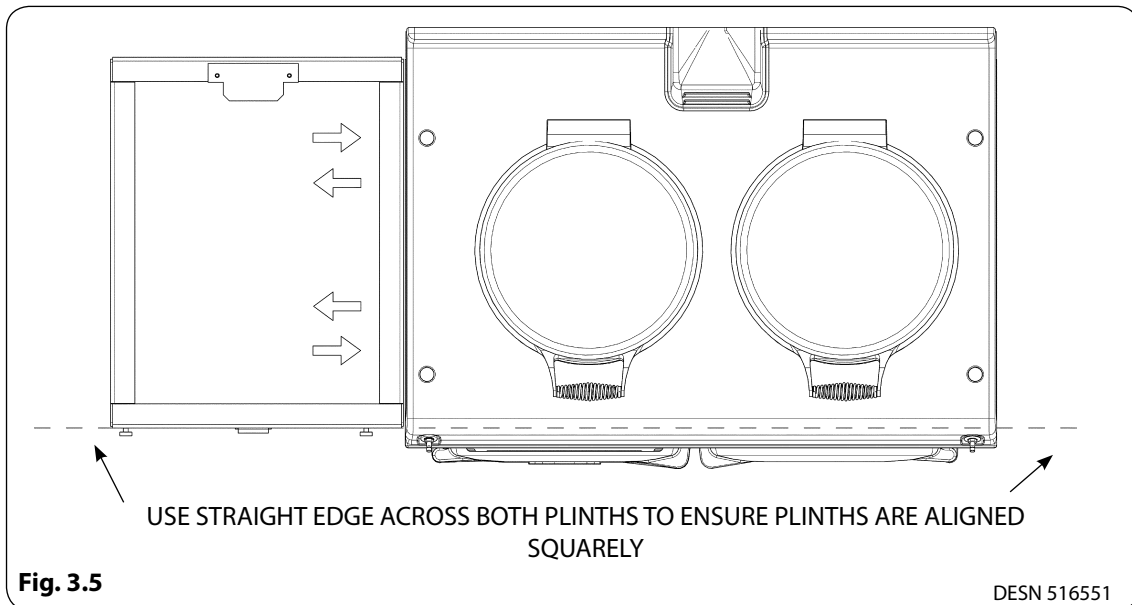
3. Attach hotcupboard plinth to the AGA Total Control plinth using M6 screws and washers provided (**Fig. 3.4**).

Attach locking screw and jacking screw into plinth. Make sure at this stage that the jacking screw does not protrude beyond outer face of plinth. Ensure locking screw is located into AGA DC/TC3 plinth but not fully tightened. A gap of approximately 3mm should be present between the plinths apart from at the very front where the hotcupboard spacer plate should be touching the AGA DC/TC3 plinth.

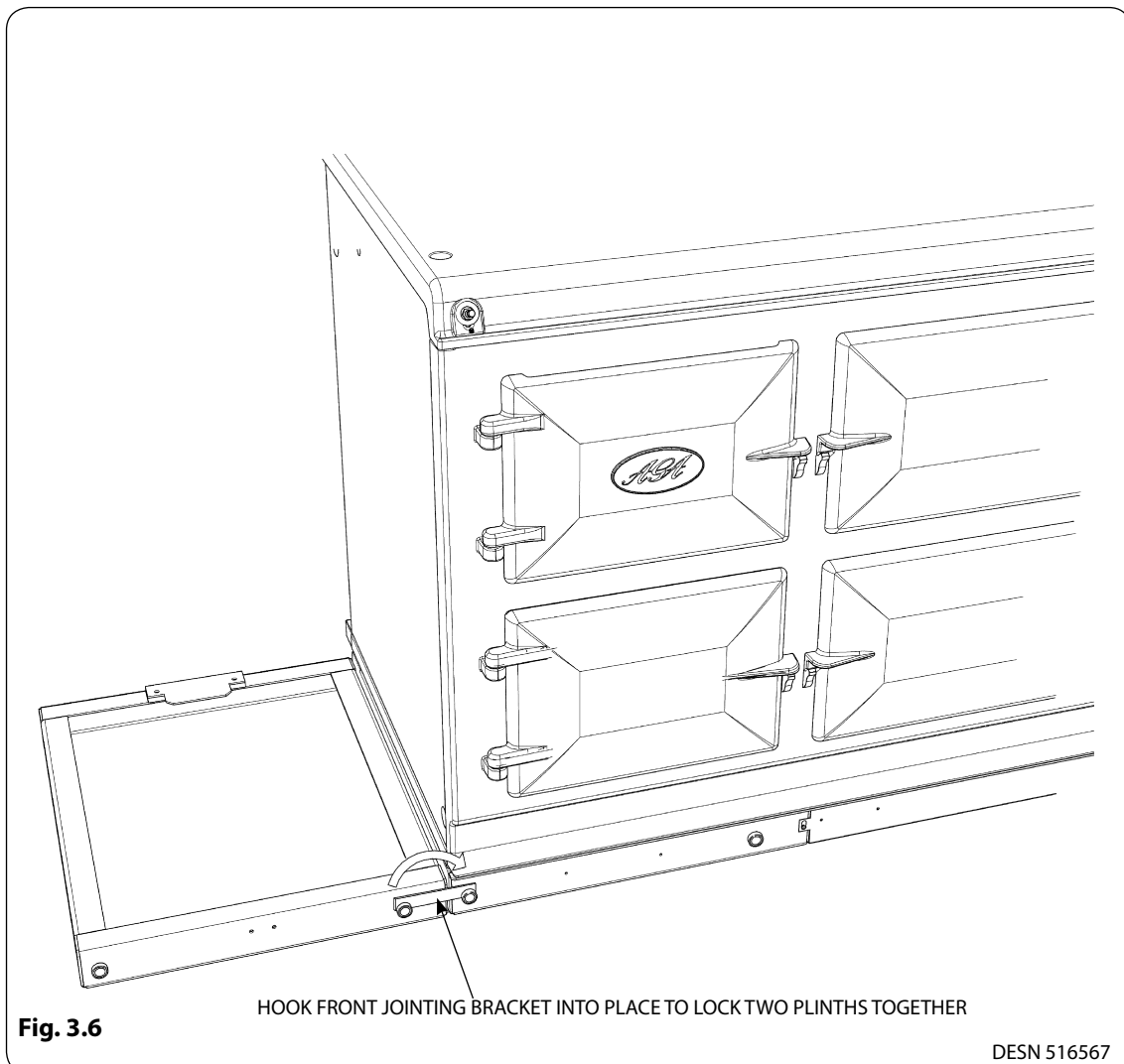


4. Run a straight edge along the front of the AGA Total Control plinth, to ensure the front face of both plinths sit squarely against the straight edge. (**Fig. 3.5**)

When satisfied both plinths sit squarely, jacking screws can be tightened until they just make contact with the AGA Total Control plinth, and locking screws can now be tightened.



5. Front jointing bracket can now be hooked into place over the two pot magnets. This will latch the two plinths together. (**Fig. 3.6**)



6. Slide hotcupboard onto plinth until rear tongue bracket engages fully into rear of base slot, (**Fig. 3.7**). 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 it into place by tightening the two M6 screws fully.

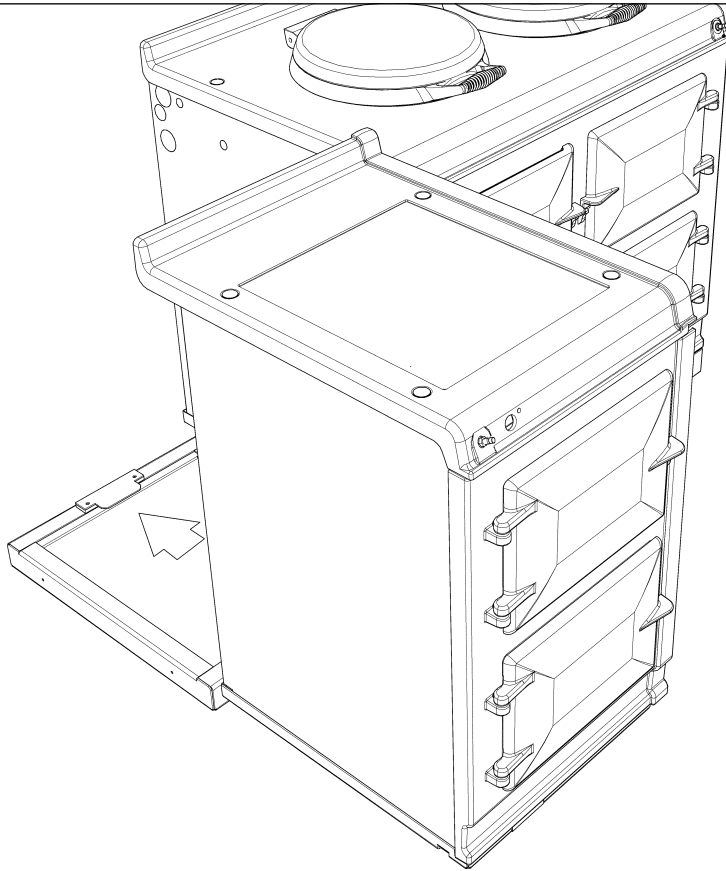


Fig. 3.7

DESN 516552

7. The hotcupboard top plate is set 5mm higher than the AGA Total Control top plate. This is to prevent damage to the enamel during installation. Lower the top plate using the adjusters (**Fig. 3.8** and **Fig. 3.9**).

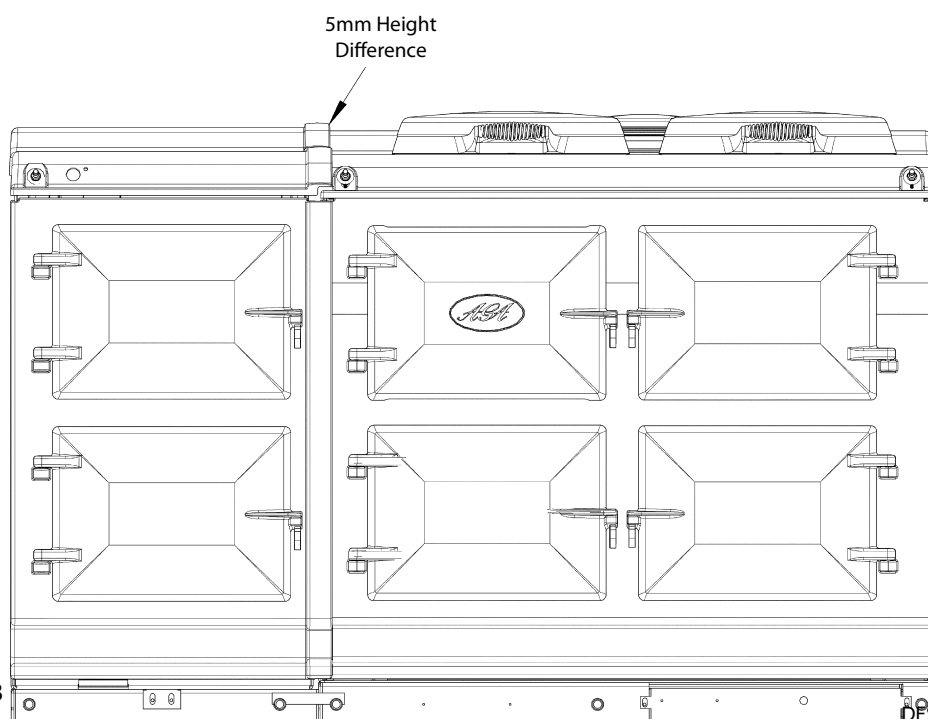


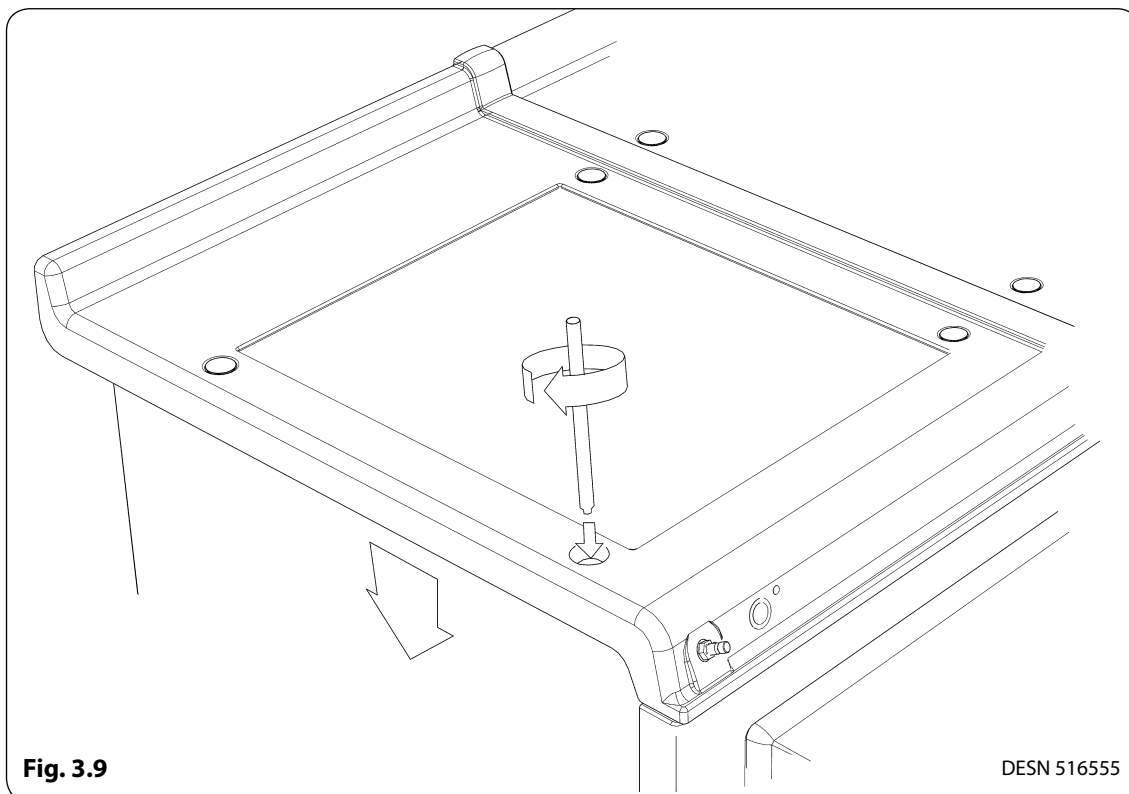
Fig. 3.8

DESN 516554

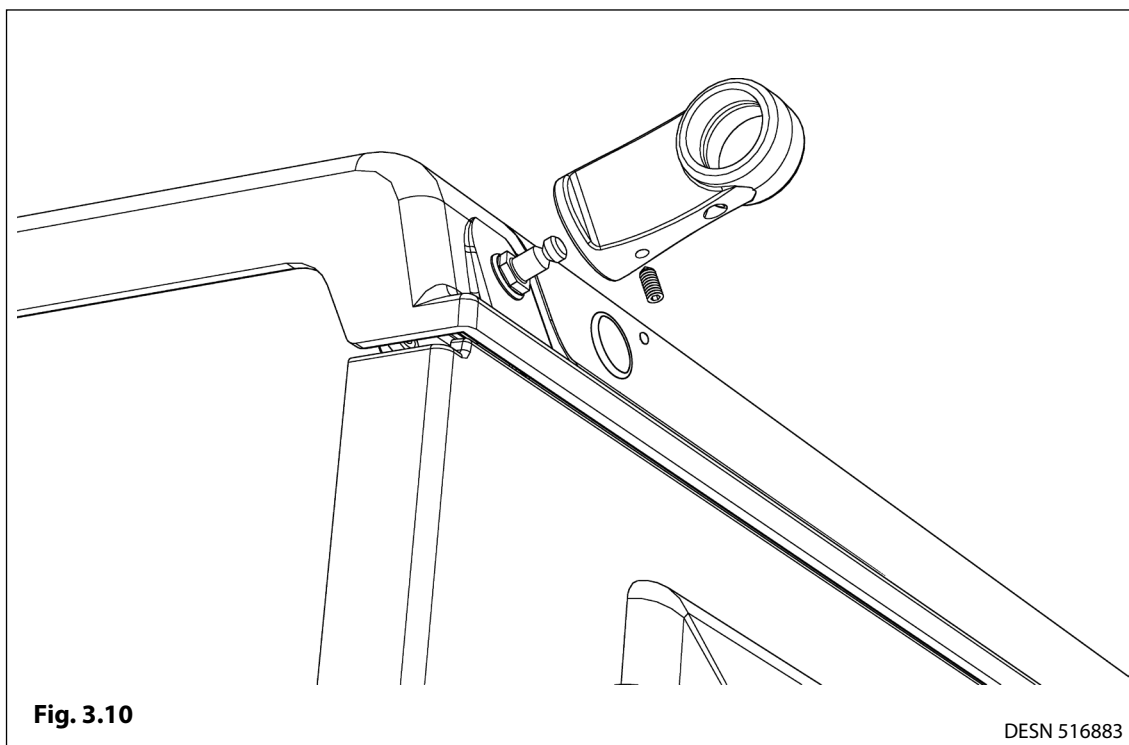
8. Using the stay rod nut adjusting tool, carefully lower the top plate adjusting nuts until the top plate sits at the required height, making sure that the top sits level and matches the height of the AGA DC/TC3. (**Fig. 3.9**).

For servicing requirement, top plate should be removed by raising adjusters approximately 5mm, the top plate can now be removed easily without causing damage to the enamelled surfaces.

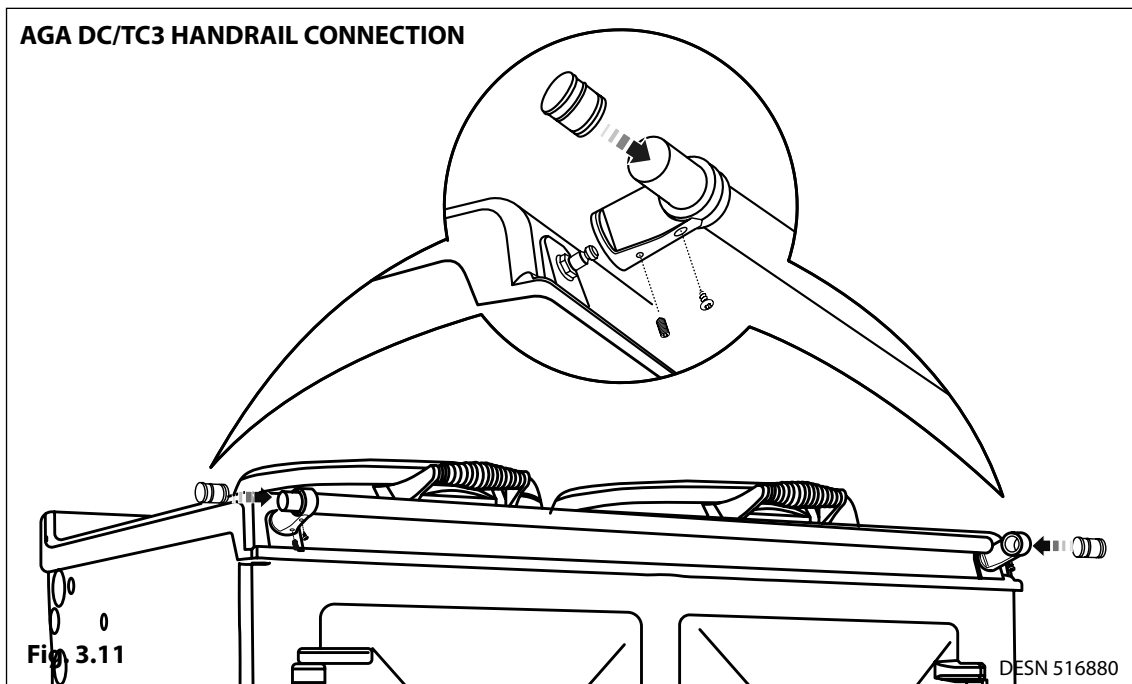
When removing the top plate, the switch wiring harness should be disconnected from the main wiring harness at the connection point located at the front left hand side of the appliance, beneath the formex cover sheet.



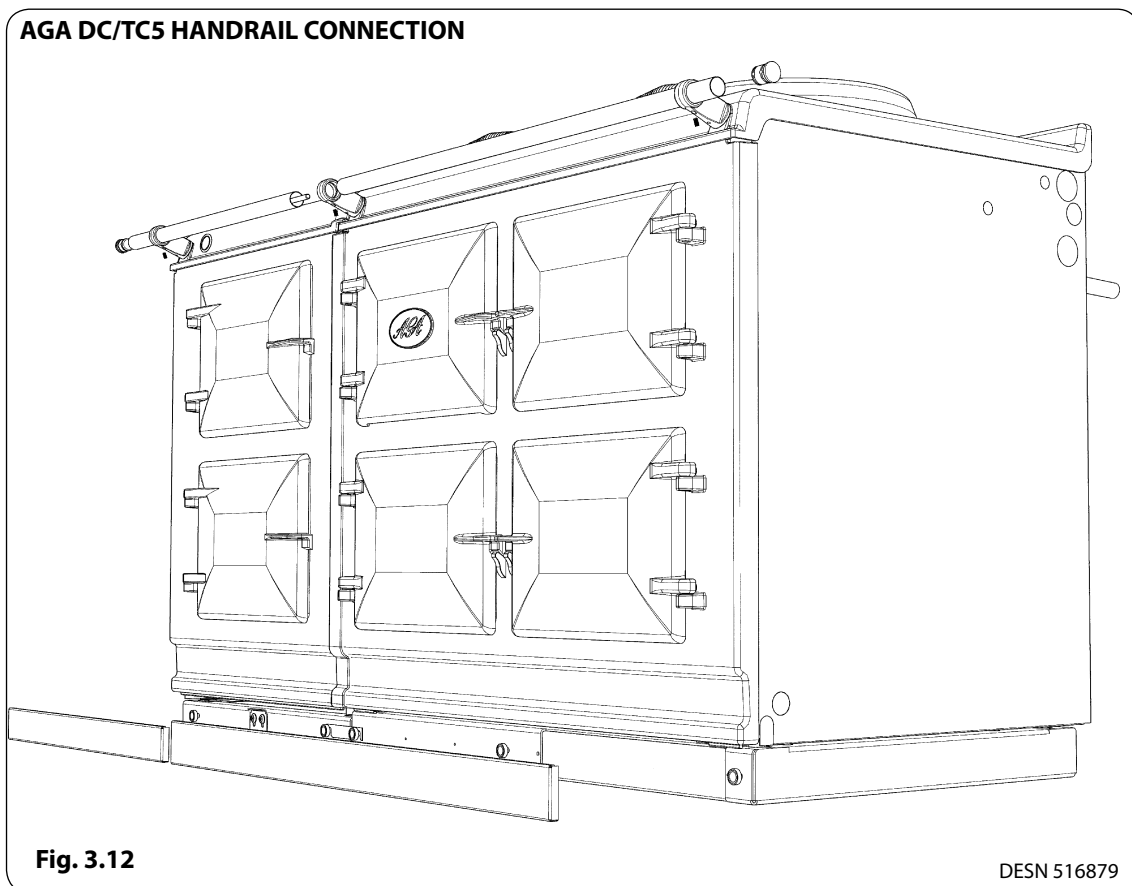
9. Fit the handrail bracket over the fixing stud located on the top plate. Lock into position by tightening the grub screw nearest the appliance. (**Fig. 3.10**).



10. Next the handrail, endcaps and handrail require assembly. Slide the handrail through the handrail brackets.



11. On 5 oven appliances, fit allthread stud into the insert located in the one end of the handrail, then feed the handrail through the bracket (ensuring that the allthread stud is protruding from the right hand side of the hotcupboard handrail) and screw the handrails together. (**Fig. 3.12**).



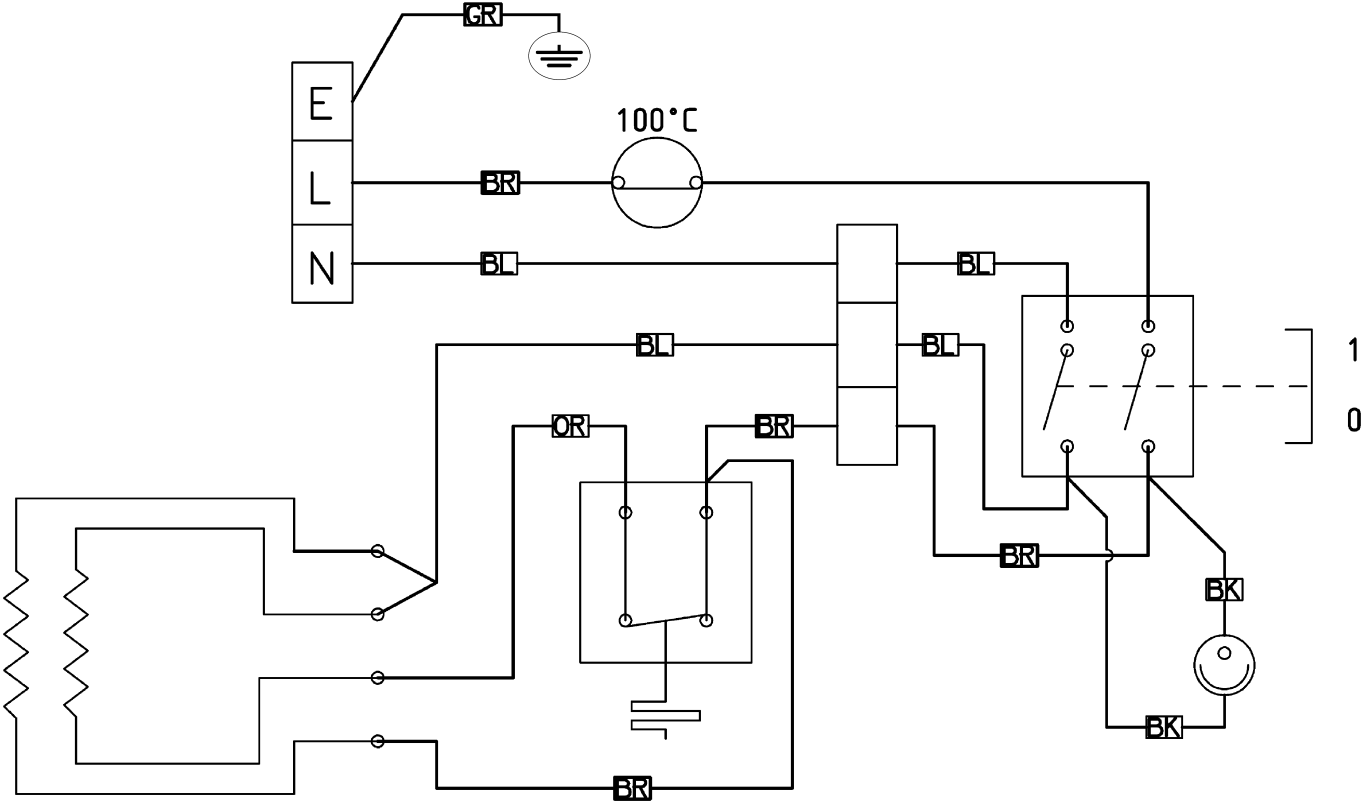
12. Once the handrail assembly is located squarely, lock the handrail in position by winding in the grub screws on the underside of each handrail bracket.
13. Once the handrails are locked in position, fit the handrail endcaps. The endcaps should be carefully pushed into place until they sit flush with 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).
14. Finally, fit the plinth fascia to the magnets on the front of the plinth, making sure that on 5 oven appliances the right hand side of the module plinth fascia sits against the left hand side of the AGA Total Control plinth fascia leaving no gap between. Make sure that the plinth fascias are centrally located and do not overhang either appliance. **(Fig. 3.12)**

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

4. Circuit Diagram

AGA TC5

- ⚠ Caution: label all wires prior to disconnection, when servicing controls wiring errors can cause improper and dangerous operation.
- ⚠ Verify proper operation after servicing



DESN 517488

Code	Colour
B	Blue
BR	Brown
BL	Black
OR	Orange
G	Green

AGA TC3

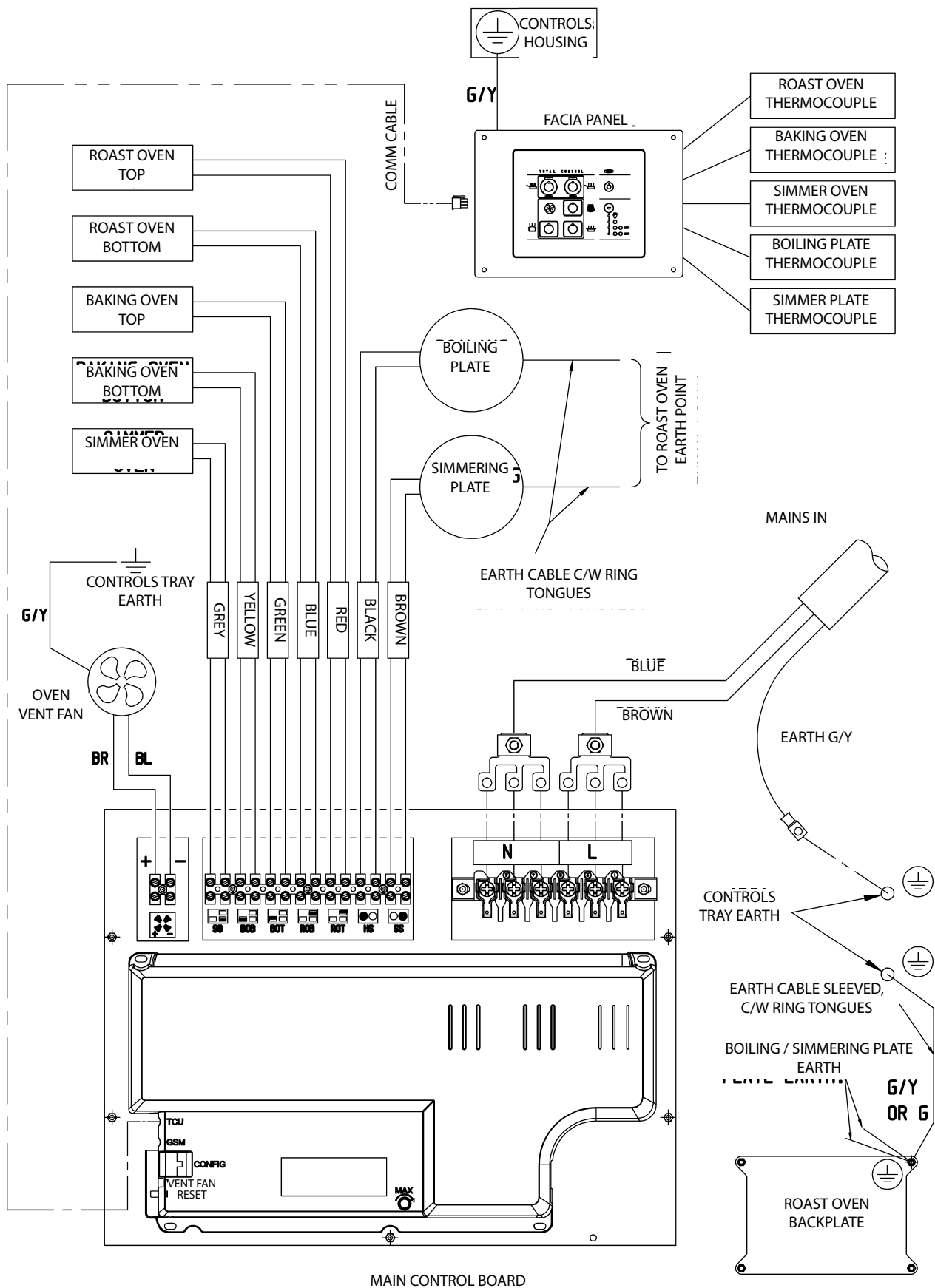


Fig. 5.1

**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 appliances described and illustrated at any time.



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