



AGA eR7i
Model No's: eR7i 100-3 and eR7i 150-5
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.**















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3. Health and Safety

Consumer Protection

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








-  **Children 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.**
-  **CHILDREN SHOULD BE KEPT AWAY FROM THE APPLIANCE AS SOME SURFACES CAN BECOME HOT TO THE TOUCH.**
-  **Do Not Leave Children Alone – Children should not be left alone or unattended in area where appliance is in use. They should never be allowed to sit or stand on any part of the appliance.**
-  **Do not store items of interest to children in cabinets. above a range or on the back guard of a range – children climbing on the range to reach items could be seriously injured.**
-  **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.**
-  **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 full of fat or oil.**
-  **Wear Proper Apparel – Loose-fitting or hanging garments should never be worn while using the appliance.**

-  **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. AE4M280354).

-  **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 the user instructions.**
-  **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 in a dishwasher.**
-  **Children should be supervised to ensure that they do not play with the appliance.**

Cooker Base or Hearth

DO NOT TOUCH SURFACE UNITS OR AREAS NEAR UNITS

– Surface units may be hot even though they are dark in colour. Areas near surface units may become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials contact surface units or areas near units until they have had sufficient time to cool. Among these areas are (identification of areas – for example, the cook-top and surfaces facing the cook-top)

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

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.

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.

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.

4. 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 IET 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 eR7i arrives on 1 pallet
- The AGA eR7i with 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 eR7i 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 eR7i can be installed as intended with no re-work.

Appliance dimensions - AGA eR7i 100-3

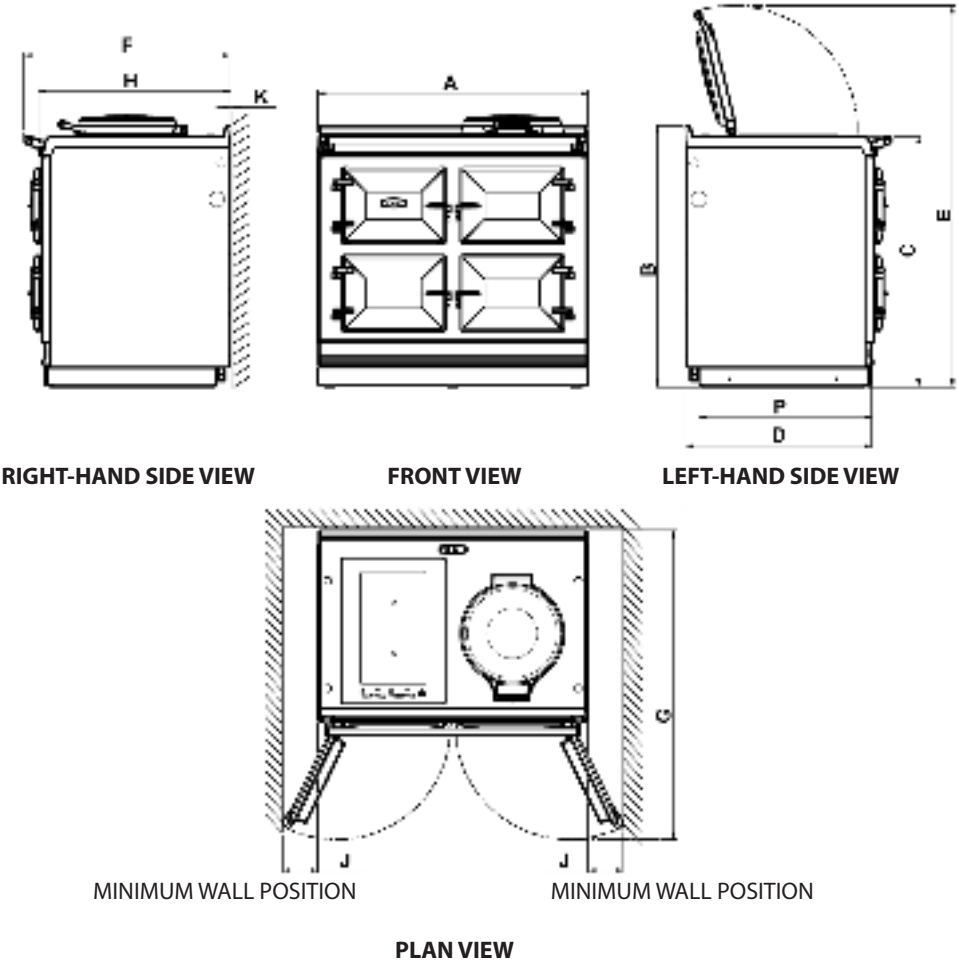


Fig. 4.1

DESN 517781

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
mm	987	960	915	680	1388	760	1145	698	125	10	511	882	35	630	476	816	985

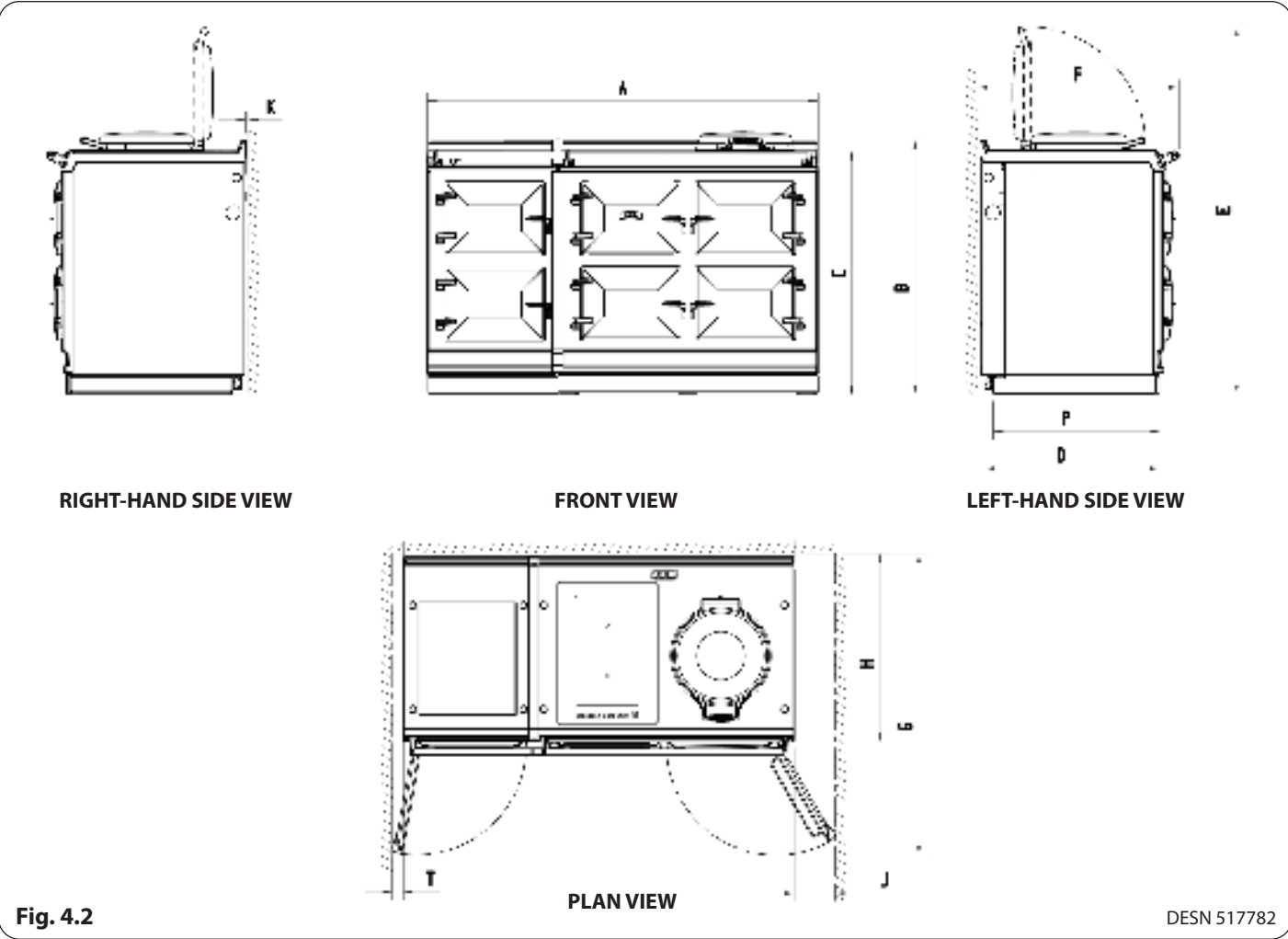
Cooker Dimensions

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 eR7i - 310kg

Appliance dimensions - AGA eR7i 150-5



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
mm	1478	960	915	680	1388	760	1145	698	125	10	1002	882	35	630	476	816	985	45

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 eR7i - 310kg

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 125mm 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.

Power supply - AGA eR7i

⚠ 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. 4.3** for cable routing options.

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

Induction Hob

An additional, separate single phase power supply is required.

230v ~ 50Hz, 13 amp power supply such as a fused spur.

Power supply - Hotcupboard

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 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.

Power supply - Hotcupboard with induction hob, please refer to owners manual supplied with the appliance.

Mains cable routing - AGA eR7i

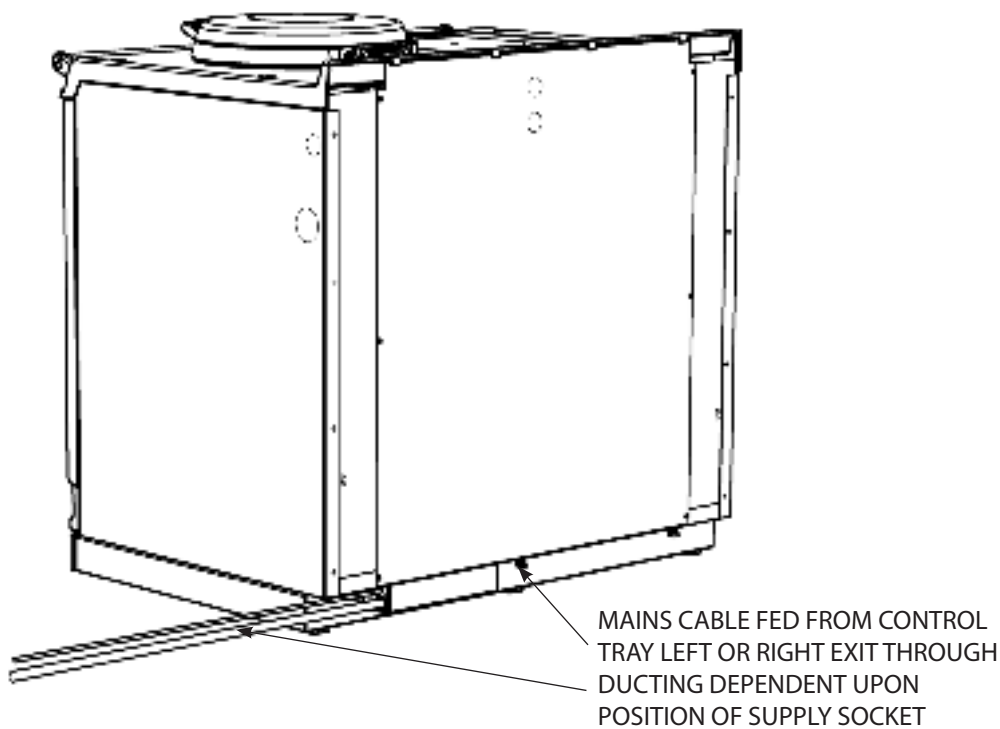
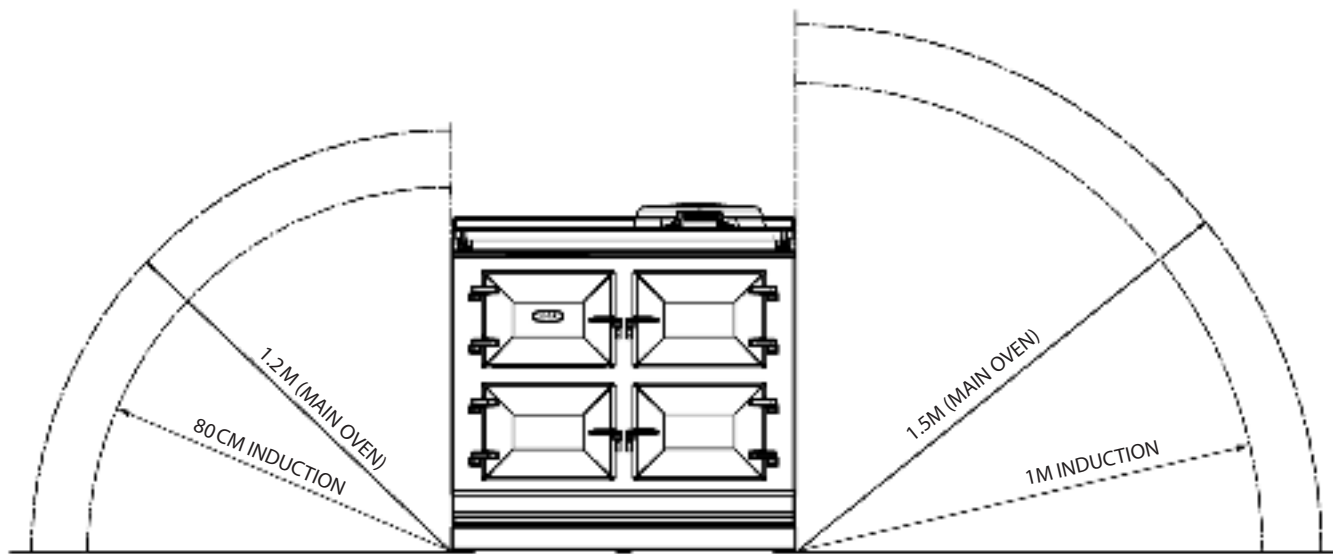


Fig. 4.3

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THE MAINS SUPPLY CONNECTION POINT MUST BE WITHIN THE ZONES SHOWN

Fig. 4.4

DESN 517784

Mains cable routing - AGA Hotcupboard

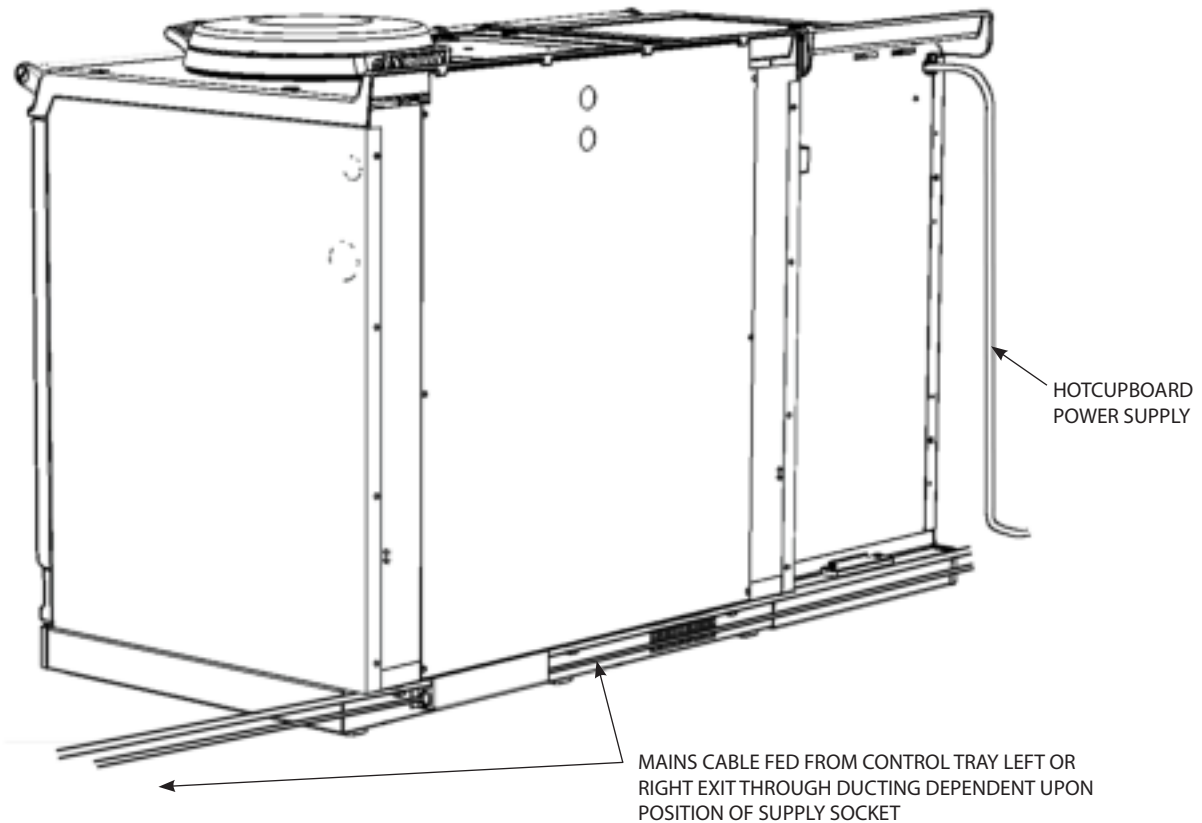
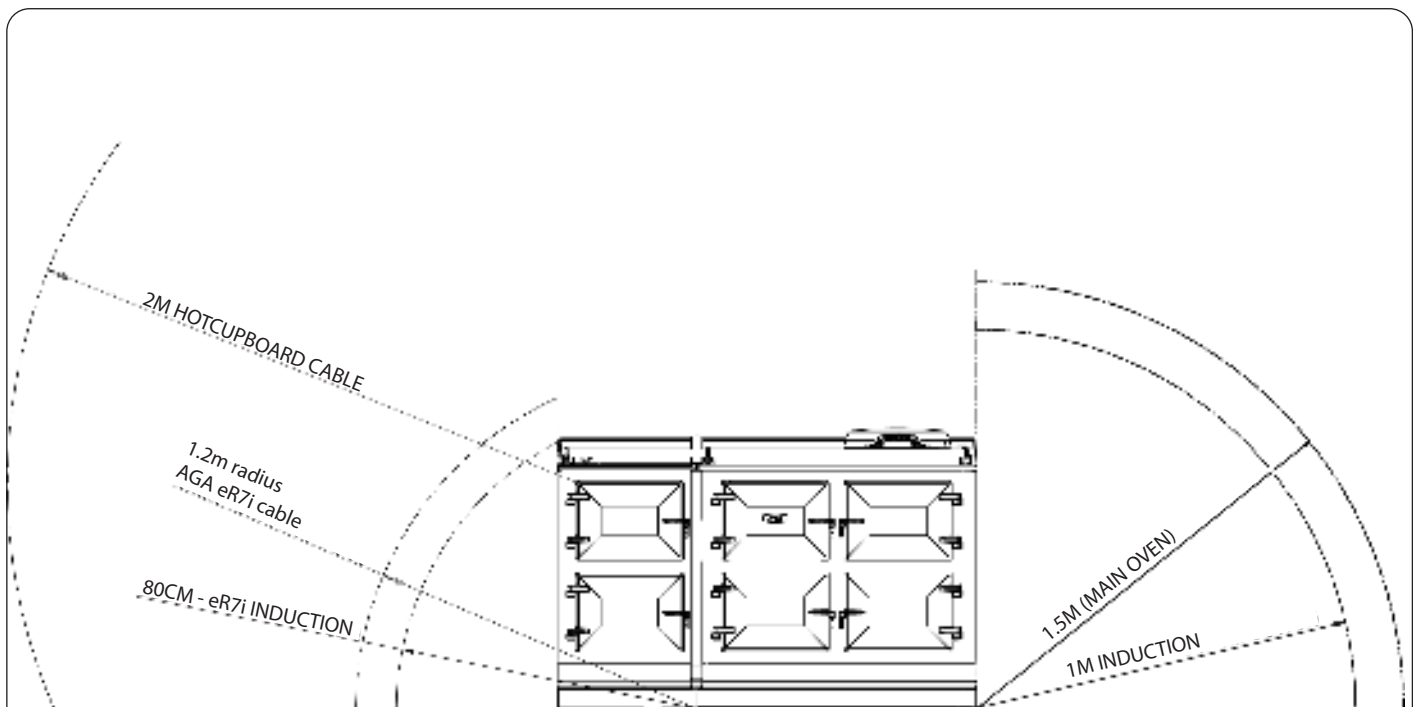


Fig. 4.6

DESN 517785



THE MAINS SUPPLY CONNECTION POINT MUST BE WITHIN THE ZONES SHOWN ABOVE
AND MUST NOT BE POSITIONED ABOVE OR BEHIND THE APPLIANCE.

Fig. 4.5

DESN 517786

5. Hotcupboard installation

NOTE: The AGA 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 eR7i 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. 5.1**), slide hotcupboard forwards and away from rear fixing bracket (**Fig. 5.2**).

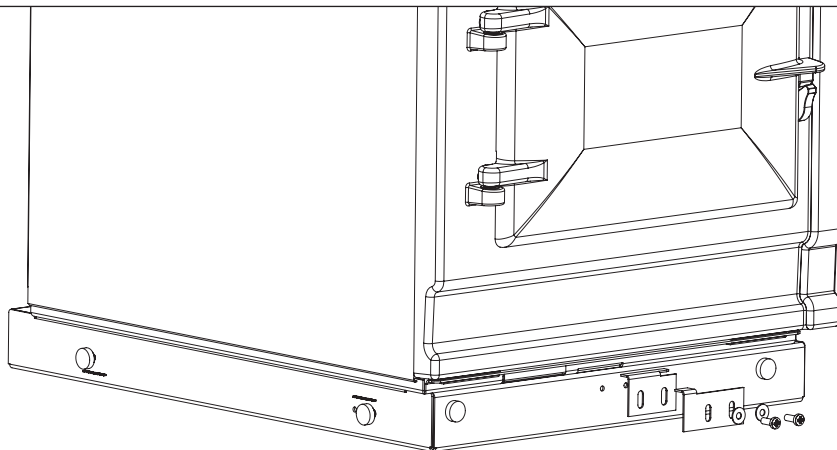


Fig. 5.1

DESN 517788

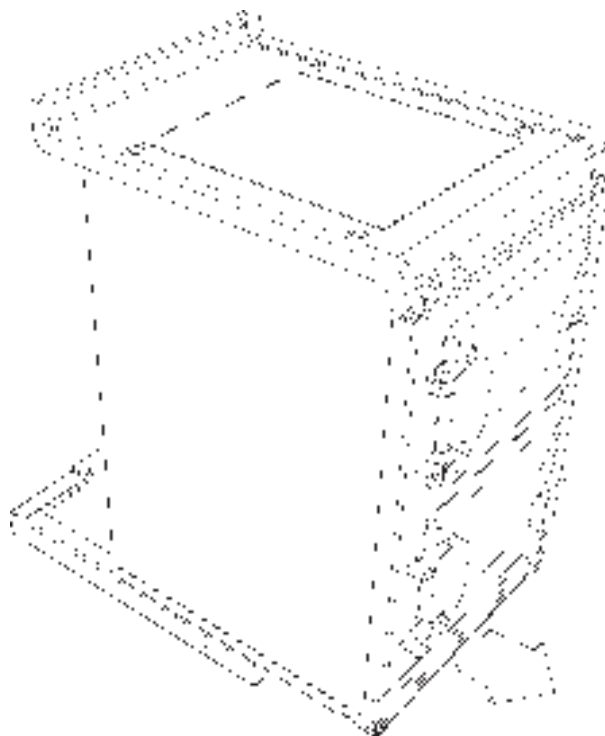


Fig. 5.2

2. Position the plinth alongside the AGA eR7i leaving no gap between the two plinths (**Fig. 5.3**).

Check with a spirit level that the plinth level is correct, and also check height differential between the hotcupboard plinth and AGA eR7i plinth is correct $\frac{7}{16}$ " (11 mm). If necessary, use shims in each corner to level the plinth.

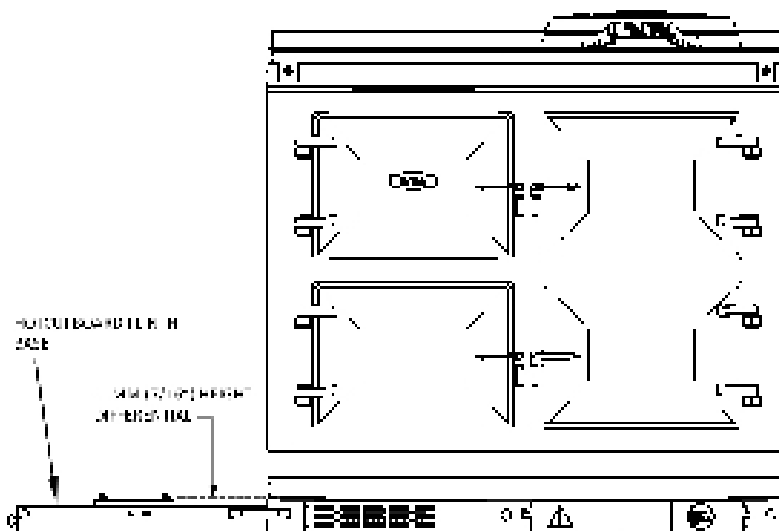


Fig. 5.3

3. Attach hotcupboard plinth to the AGA eR7i plinth using M6 screws and washers provided (**Fig. 5.4**). Attach locking screw into plinth.

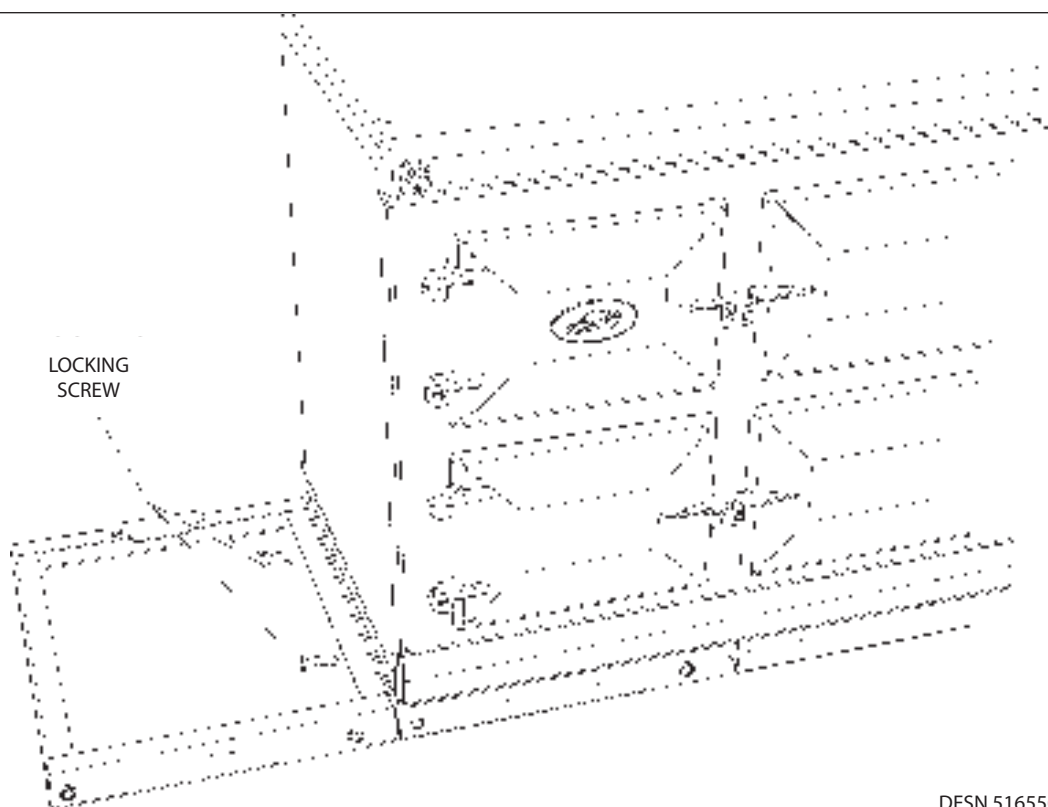


Fig. 5.4

DESN 516550

4. Run a straight edge along the front of the AGA eR7i plinth, to ensure the front face of both plinths sit squarely against the straight edge. (**Fig. 5.5**)

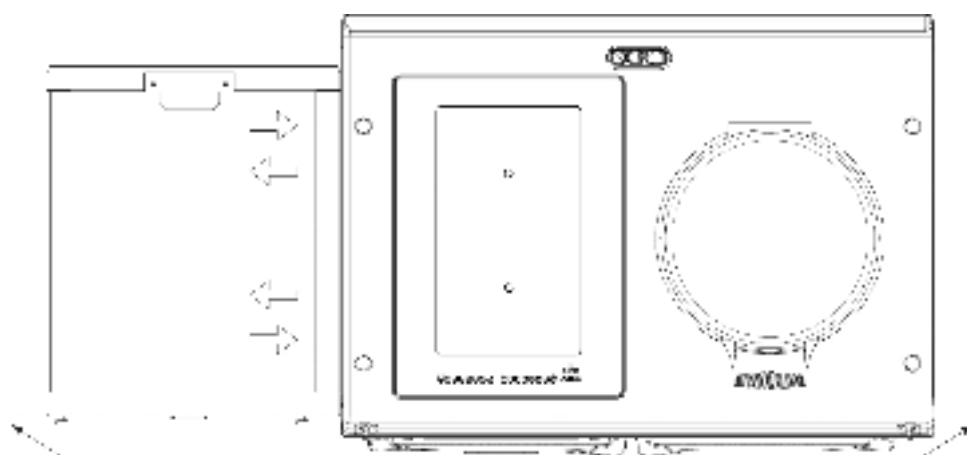


Fig. 5.5

USE STRAIGHT EDGE ACROSS BOTH PLINTHS TO ENSURE PLINTHS ARE ALIGNED SQUARELY

5. Front jointing bracket can now be hooked into place over the two pot magnets. This will latch the two plinths together. (**Fig. 5.6**)

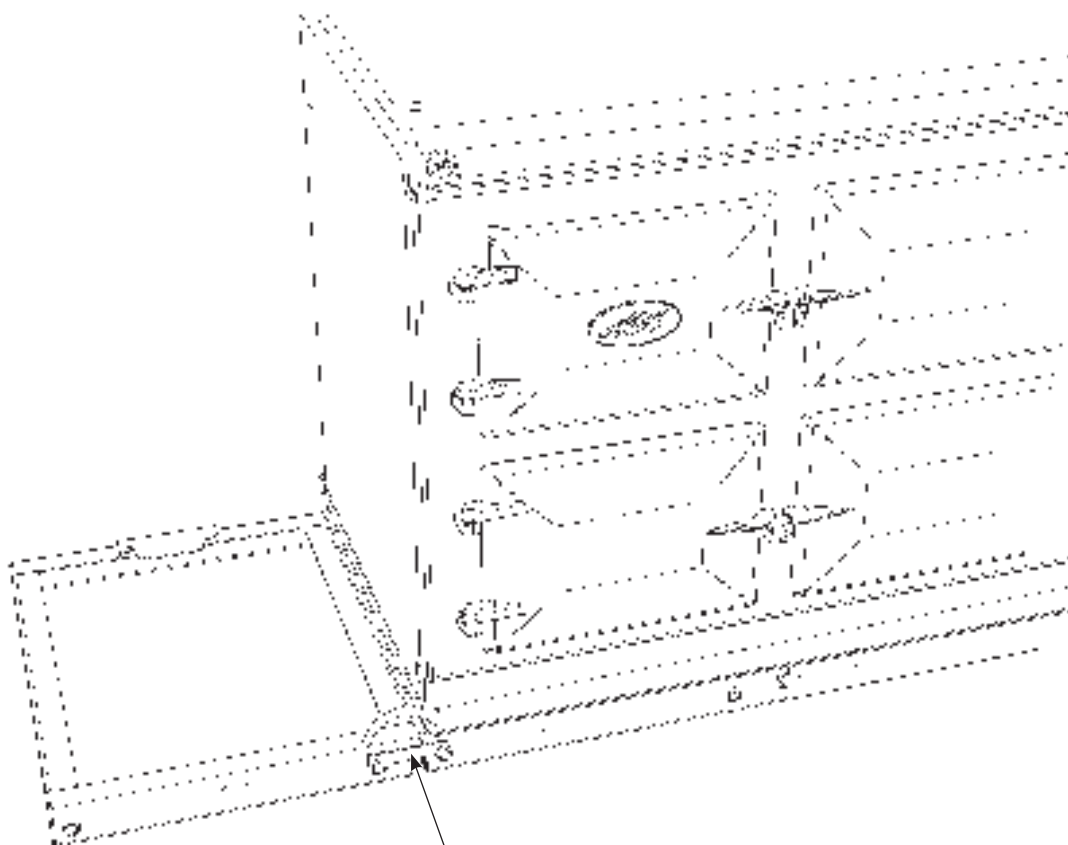


Fig. 5.6

HOOK FRONT JOINTING BRACKET INTO PLACE TO LOCK TWO PLINTHS TOGETHER

DESN 516567

6. Slide hotcupboard onto plinth until rear tongue bracket engages fully into rear of base slot, (**Fig. 5.7**). 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.

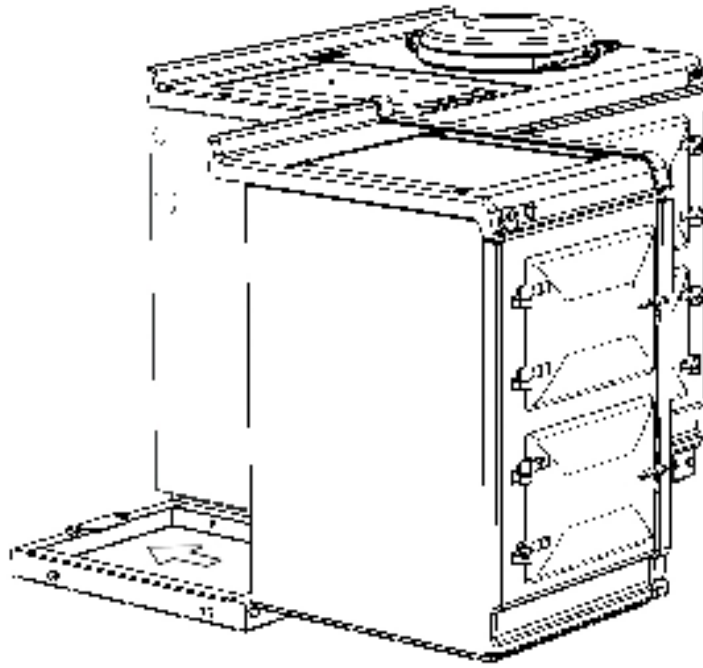


Fig. 5.7

7. The hotcupboard top plate is set $\frac{3}{16}$ " (5mm) higher than the AGA eR7i top plate. This is to prevent damage to the enamel during installation. Lower the top plate using the adjusters (**Fig. 5.8** and **Fig. 5.9**).

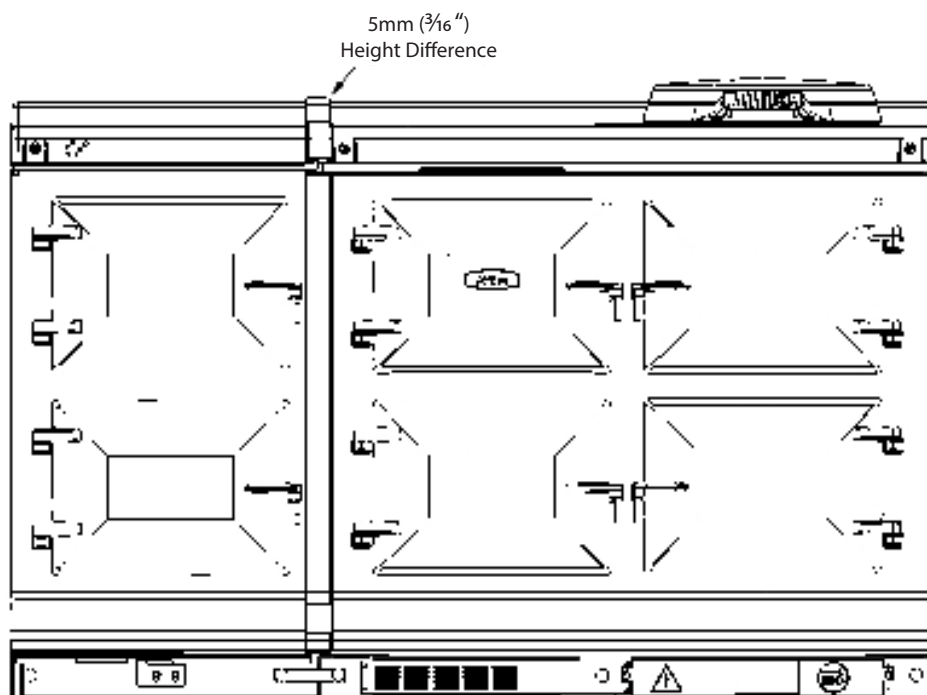


Fig. 5.8

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 eR7i. (**Fig. 5.9**).

For servicing requirement, top plate should be removed by raising adjusters approximately $\frac{3}{16}$ " (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.



DESN 516555

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. 5.10**).

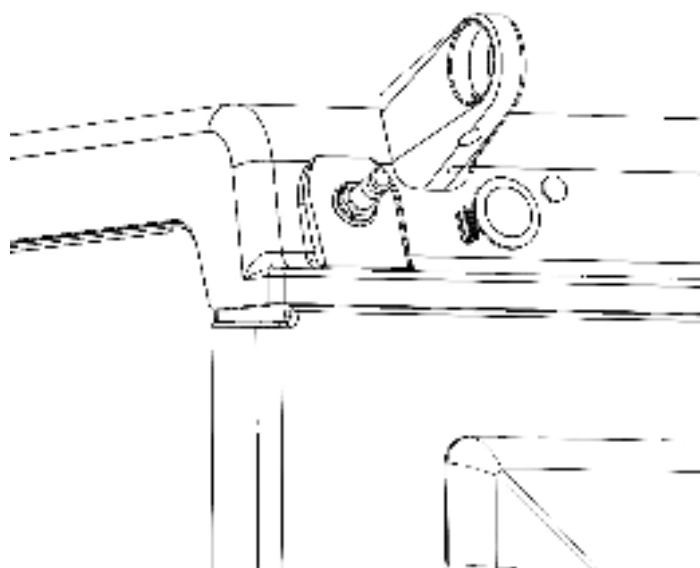


Fig. 5.10

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

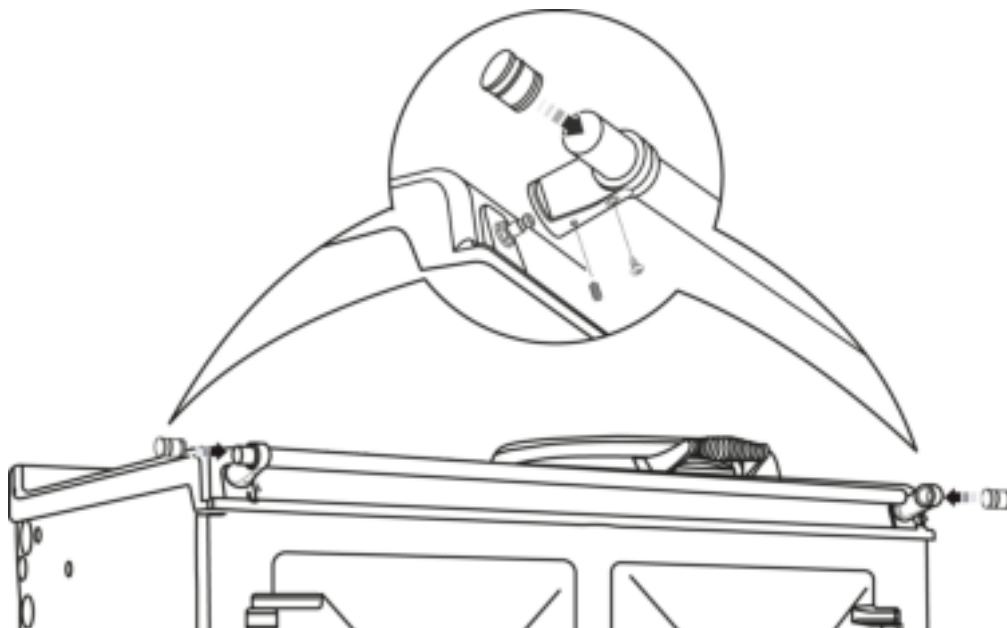


Fig. 5.11

11. On 5 oven appliances, fit 'allthread' stud into the threaded 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. 5.12).

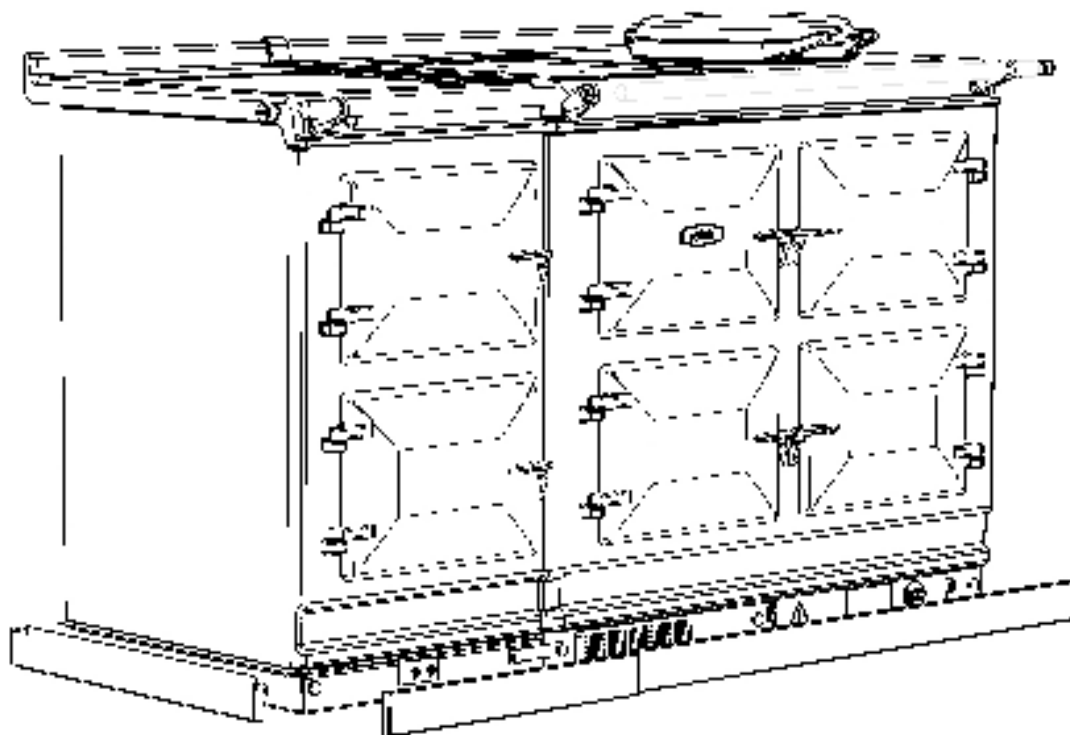



Fig. 5.12

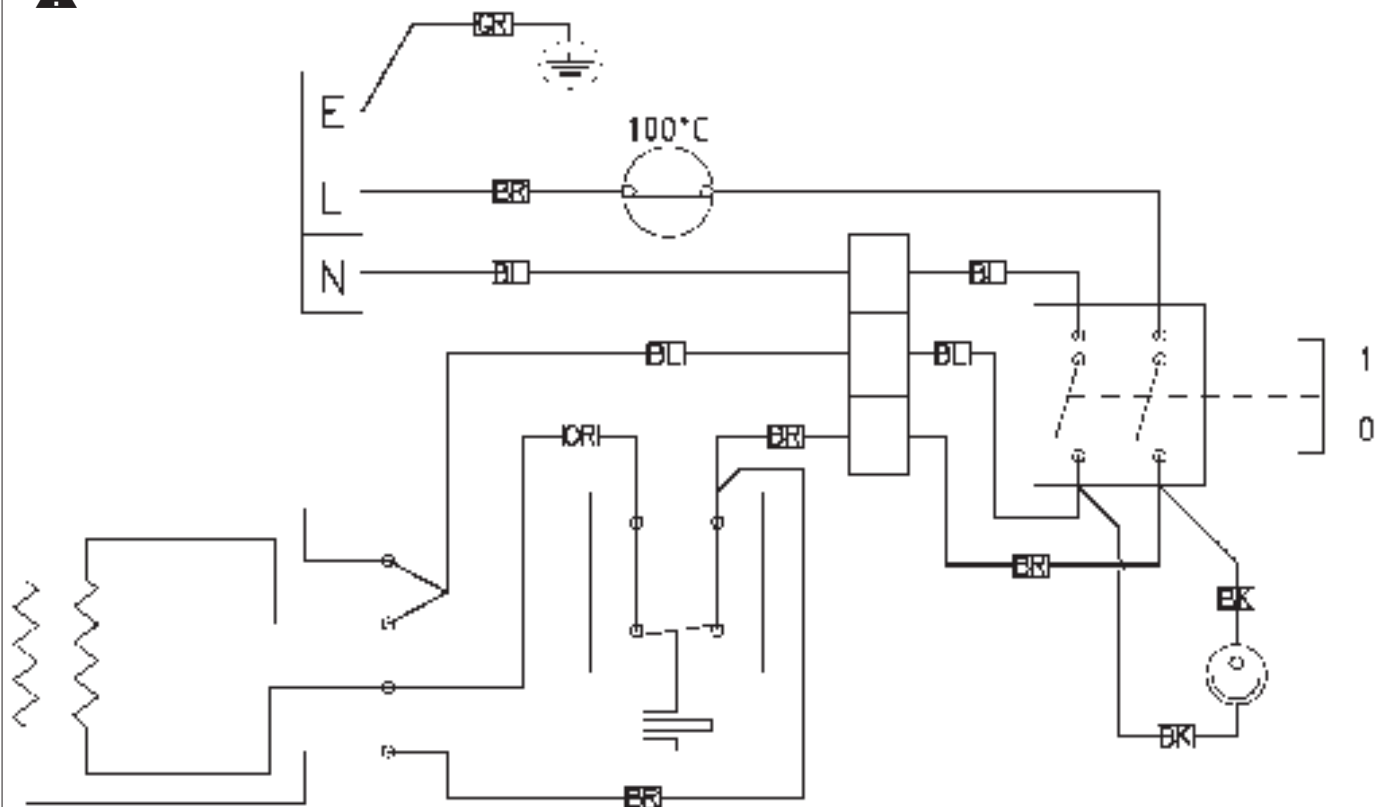
- 12.** Once the handrail assembly is located squarely, lock the handrail in position by winding in the grub screws on the underside of each handrail bracket.
- 13.** Once the handrails are locked in position, fit the handrail endcaps. The endcaps should be carefully pushed into place until they sit 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 eR7i plinth fascia leaving no gap between. Make sure that the plinth fascias are centrally located and do not overhang either appliance.
(Fig. 5.12)

Commission the AGA eR7i, as stated in the relevant Installation Instructions and carry out functional test on each of the features of the AGA eR7i.

6. Circuit Diagram

AGA Hotcupboard

-  **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 eR7i

AGA - eR7i WIRING DIAGRAM

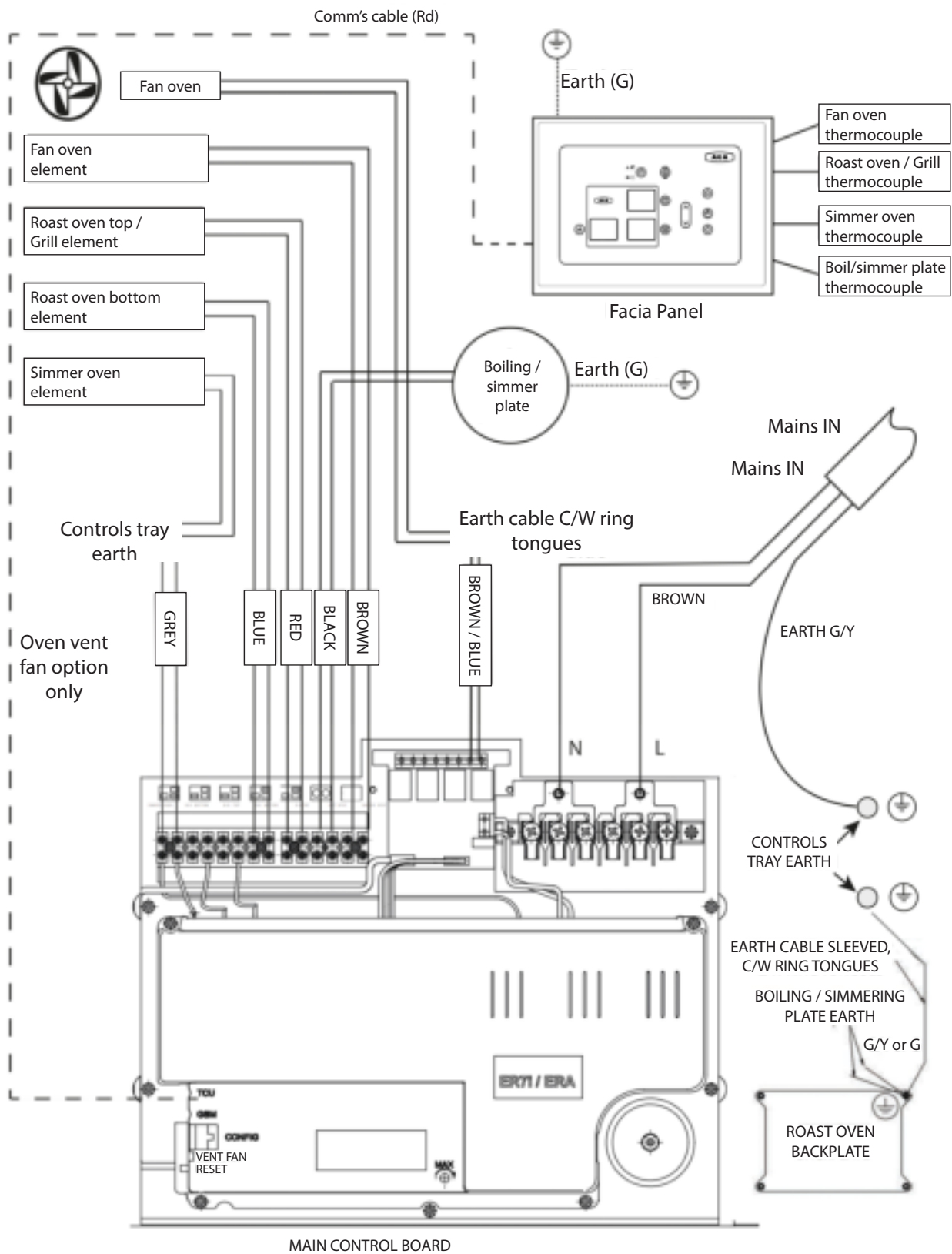


Fig. 6.1

NOTES

NOTES

**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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