

AGA TC5 Total Control



AGA TC5 Total Control Instruction Manual

[Home](#) » [AGA](#) » AGA TC5 Total Control Instruction Manual 

Contents

- 1 AGA TC5 Total Control
- 2 Product Information
- 3 HEALTH AND SAFETY
- 4 INSTALLATION REQUIREMENTS
- 5 DELIVERY REQUIREMENTS
- 6 DIMENSIONS
- 7 CLEARANCES
- 8 POWER SUPPLY
- 9 VENT PIPE CONNECTION
- 10 HOTCUPBOARD
INSTALLATION
- 11 WIRING DIAGRAM
- 12 INSTALLATION CHECKLIST
- 13 Documents / Resources
 - 13.1 References



AGA TC5 Total Control



Product Information

- **Specifications**

- **Model No's:** TC3 & TC5 For use in GB and IE
- **Date:** 09/13 EINS 516350

- **Health and Safety**

- As responsible manufacturers, we ensure that our products are designed and constructed to meet the required safety standards when properly installed and used.
- Any alterations not approved by AGA may invalidate the appliance's approval, and warranty, and affect statutory rights. Please read the accompanying warranty for more information.
- It is important to wear necessary personal protective clothing when handling certain parts of the appliance. Please exercise caution and refer to the following information:
- **Fire Cement** – when handling, use disposable gloves.
- **Glues and Sealants** – exercise caution, use a face mask and disposable gloves if they are still in liquid form.
 - Glass Yarn, Mineral Wool, Insulation Pads – may be harmful if inhaled or irritating to the skin, eyes, nose, and throat.
 - When handling, avoid inhaling or 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 and ensure that parts are securely wrapped.

- **Installation Requirements**

- This appliance must only be installed by competent engineers who have been specifically factory-trained on the product and have the appropriate equipment.
- The installation of any type of AGA cooker is subject to the directions contained in the current issue of the Building Regulations, with specific exceptions. Planning permission may also need to be obtained separately.
- The appliance installation must comply with the relevant requirements of the IEE Wiring Regulations and Building Regulations. Additionally, it should adhere to any requirements set by the local authority.

- **Delivery Requirements**

- No information is provided in the user manual.
- **Appliance Dimensions** – AGA TC3

- contains the appliance dimensions for AGA TC3. Please refer to the manual for detailed information.
- **Appliance Dimensions – AGA TC5 (Hotcupboard Option)**
 - contains the appliance dimensions for AGA TC5 with the hot cupboard option. Please refer to the manual for detailed information.
- **Clearances**
 - contains information on clearances required for the appliance. Please refer to the manual for detailed information.
- **Power Supply – AGA TC3**
 - **Power Supply – AGA TC5 (Hotcupboard Option)**
 - contains information on the power supply requirements for AGA TC5 with the hot cupboard option. Please refer to the manual for detailed information.
 - **Main Cable Routing – AGA TC3**
 - contains information on the mains cable routing for AGA TC3. Please refer to the manual for detailed information.
 - **Main Cable Routing – AGA TC5 (Hotcupboard Option)**
 - contains information on the mains cable routing for AGA TC5 with the hot cupboard option. Please refer to the manual for detailed information.
 - **Vent Pipe Connection – AGA TC3**
 - contains information on the vent pipe connection for AGA TC3. Please refer to the manual for detailed information.
 - **Oven Venting System – AGA TC3**
 - contains information on the oven venting system for AGA TC3. Please refer to the manual for detailed information.
- **Hotcupboard Installation**
 - contains information on the installation of the hotcupboard. Please refer to the manual for detailed information.
 - **Handrail Connection – AGA TC3**
 - contains information on the handrail connection for AGA TC3. Please refer to the manual for detailed information.
 - **Wiring Diagram – AGA TC3**
 - contains the wiring diagram for AGA TC3. Please refer to the manual for detailed information.
 - **Wiring Diagram – AGA TC5 (Hotcupboard Option)**
 - contains the wiring diagram for AGA TC5 with the hot cupboard option. Please refer to the manual for detailed information.
 - **AGA Total Control Post Installation Checklist**
 - provides a checklist to be followed after installing the AGA Total Control appliance. Please refer to the manual for detailed information.

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.

- PLEASE READ THE ACCOMPANYING WARRANTY.
- Any alteration that is not approved by AGA could invalidate the approval of the appliance, and 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.

Important

- This 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 a face mask and disposable gloves.
- Glass Yarn, Mineral Wool, and Insulation Pads – may be harmful if inhaled, and may be irritating to the skin, eyes, nose, and throat.
- When handling avoid inhaling or 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, and ensure that parts are securely wrapped.

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 installation 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 per 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 interest, and that of safety to comply with the law. all appliances should be installed by an authorized AGA engineer or distributor, per the relevant regulations.

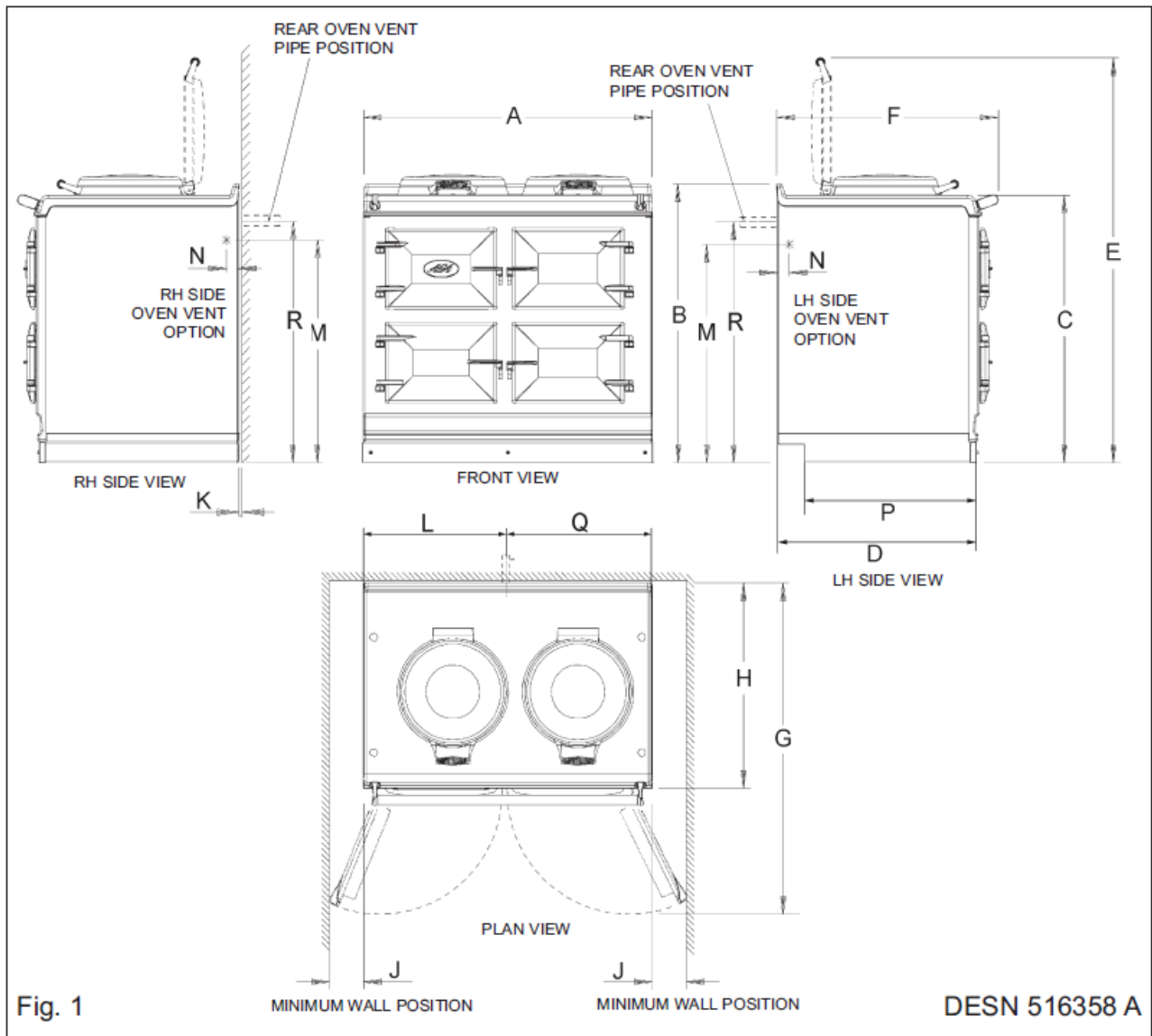
DELIVERY REQUIREMENTS

- The AGA TC3 arrives on 1 pallet
- The AGA TC5 (Hotcupboard Option) arrives on 2 pallets.
- There must be access to the kitchen to manipulate a footprint 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 can 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 the 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.

DIMENSIONS

APPLIANCE DIMENSIONS – AGA TC3



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
mm	987	948	910	680	138 8	760	114 5	698	116	10	536	813	30	634	448	824

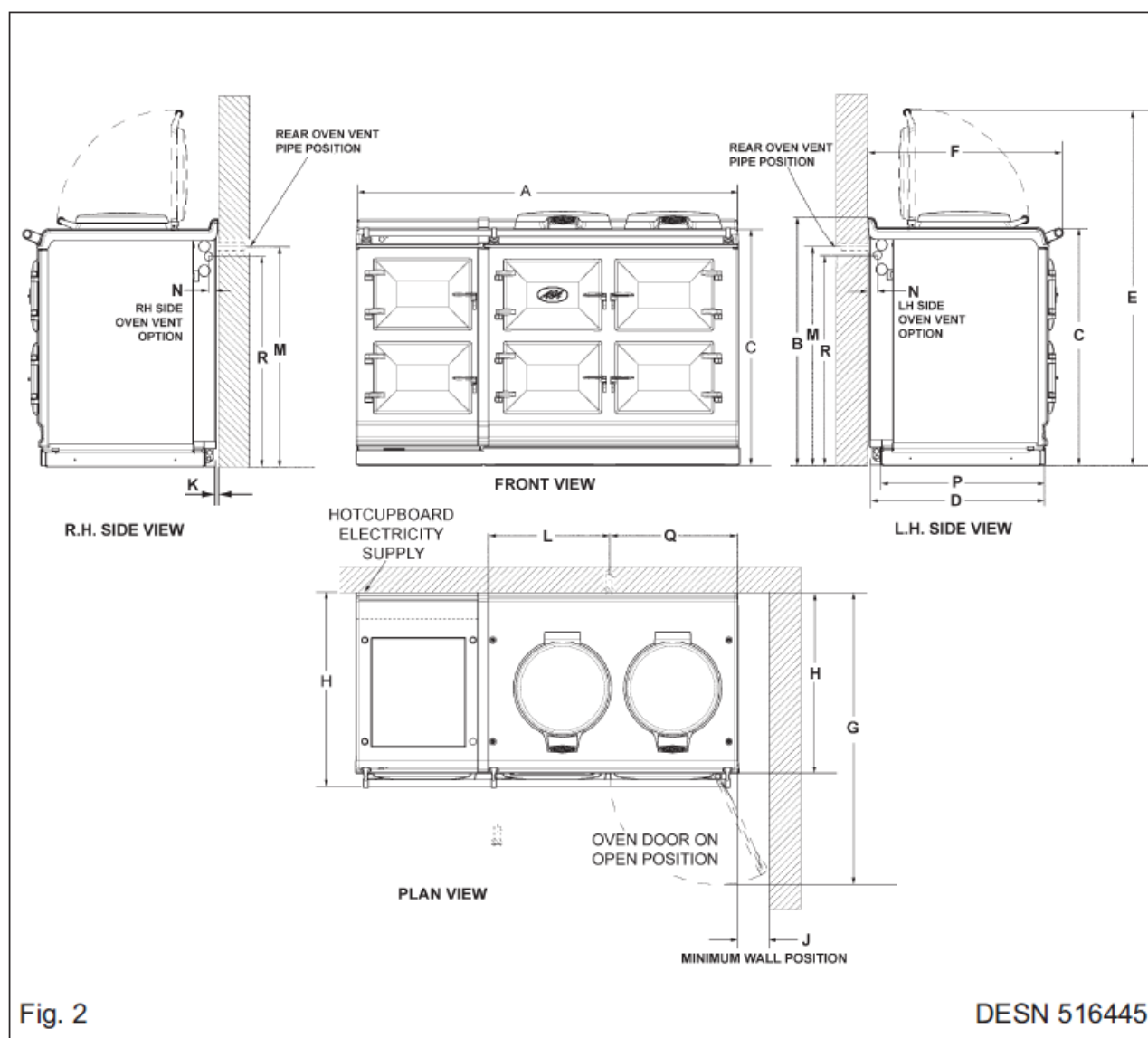
Cooker Dimensions

- 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 a 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	147 8	948	910	680	138 8	760	114 5	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 a 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 on 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 sides for oven door 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

- The base or hearth on which the cooker stands must be level and capable of supporting the total weight of the appliance. The base of the built-in AGA plinth must be level and sit above the 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.
- A 1PH 32 amp 230V or 3PH 400V minimum 16A per phase ~ 50 Hz fused electrical supply is required adjacent to the appliance.
- External wiring to the unit must be installed using the mains cable provided, by the current wiring regulations

and any local regulations which apply.

- If the 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 main connection point must be accessible within the areas shown in Fig 3A, Page 8 for cable routing options.
- For 2 or 3-phase installations an optional adaptor kit must be obtained (Part No. AE4M280354).

POWER SUPPLY

POWER SUPPLY – HOT CUPBOARD (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.
- A 230v ~ 50 Hz, 3 amp fused electrical supply is required adjacent to the appliance.
- External wiring to the unit must be installed using a 3-core silicon – SIHF insulation cable per the current wiring regulations and any local regulations that apply.
- The method of connection to the mains electricity supply must facilitate the 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 hot cupboard but must be fitted within 2 meters of the appliance.

MAINS CABLE ROUTING – AGA TC3

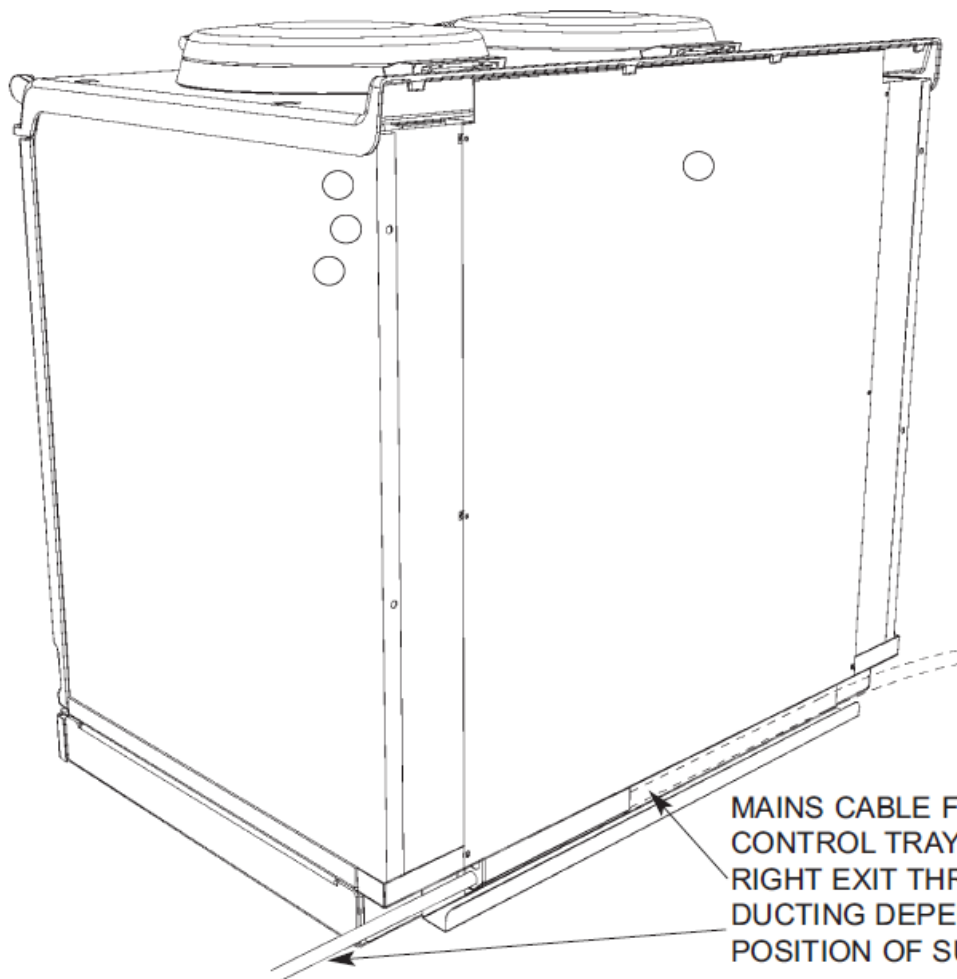
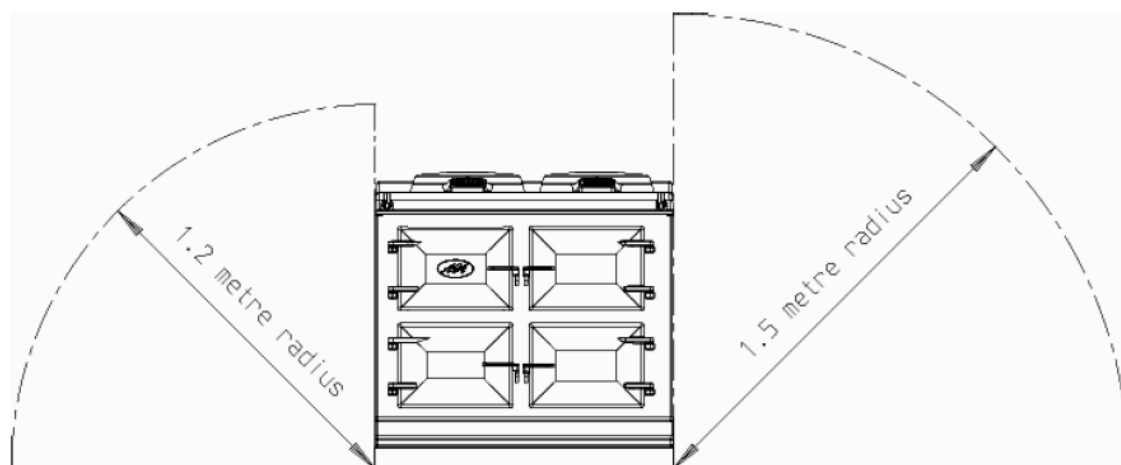


Fig. 3

DESN 516103

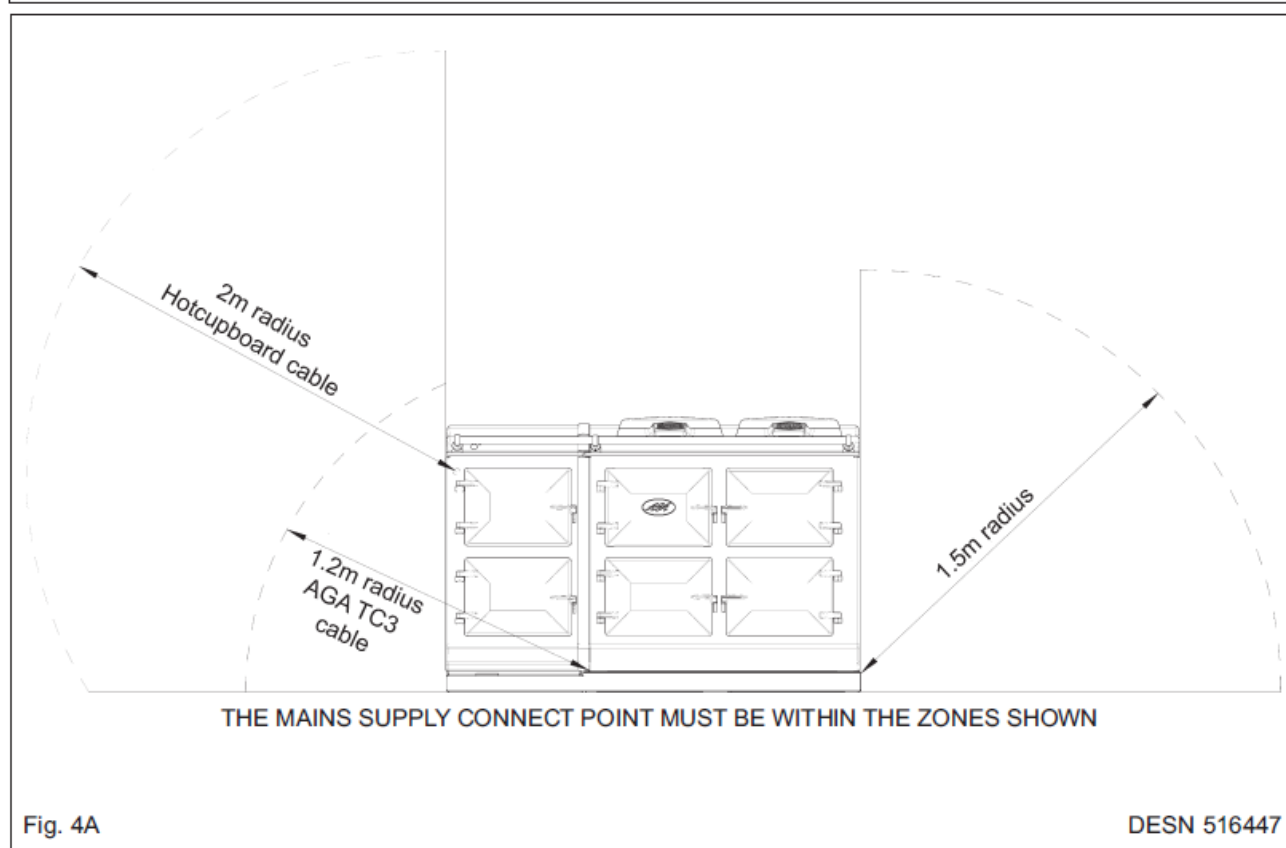
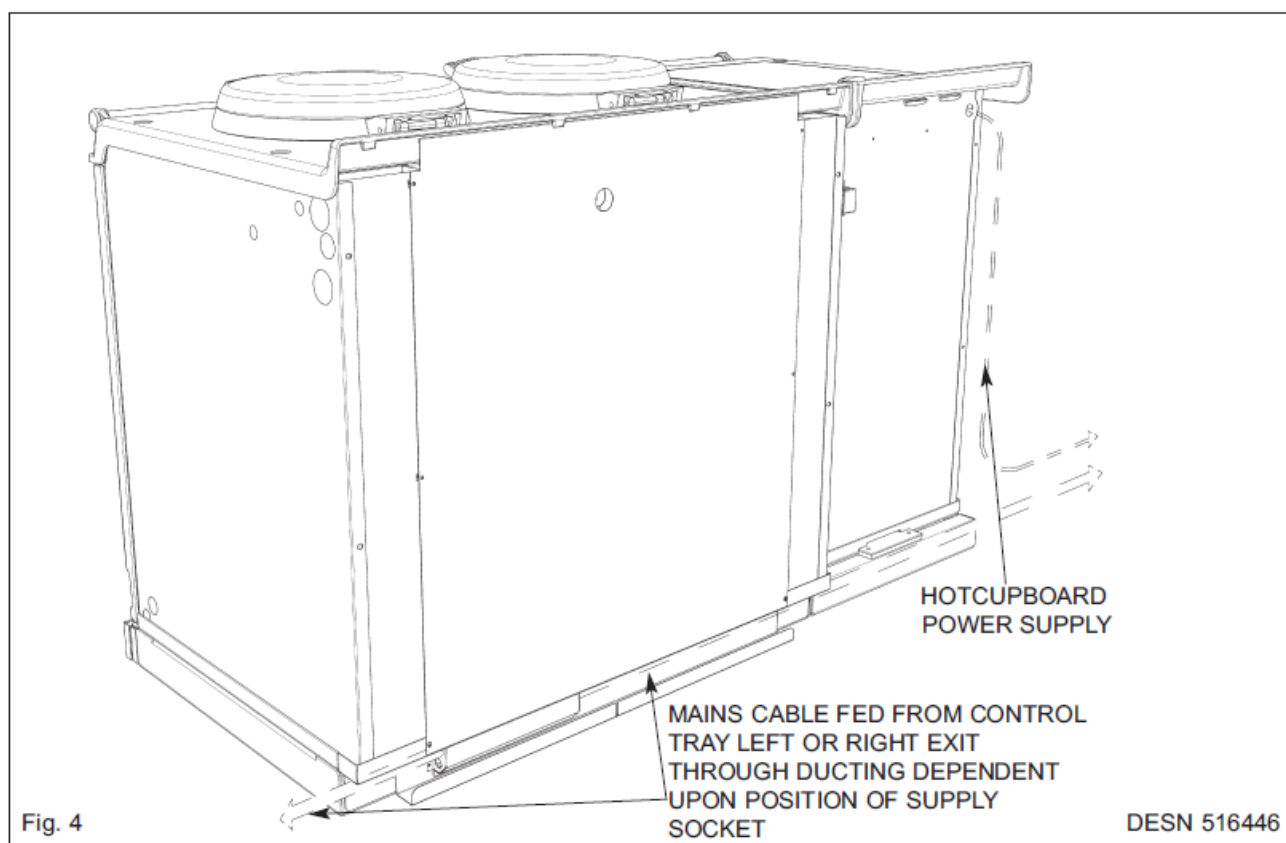


THE MAINS SUPPLY CONNECT POINT MUST BE WITHIN THE ZONES SHOWN

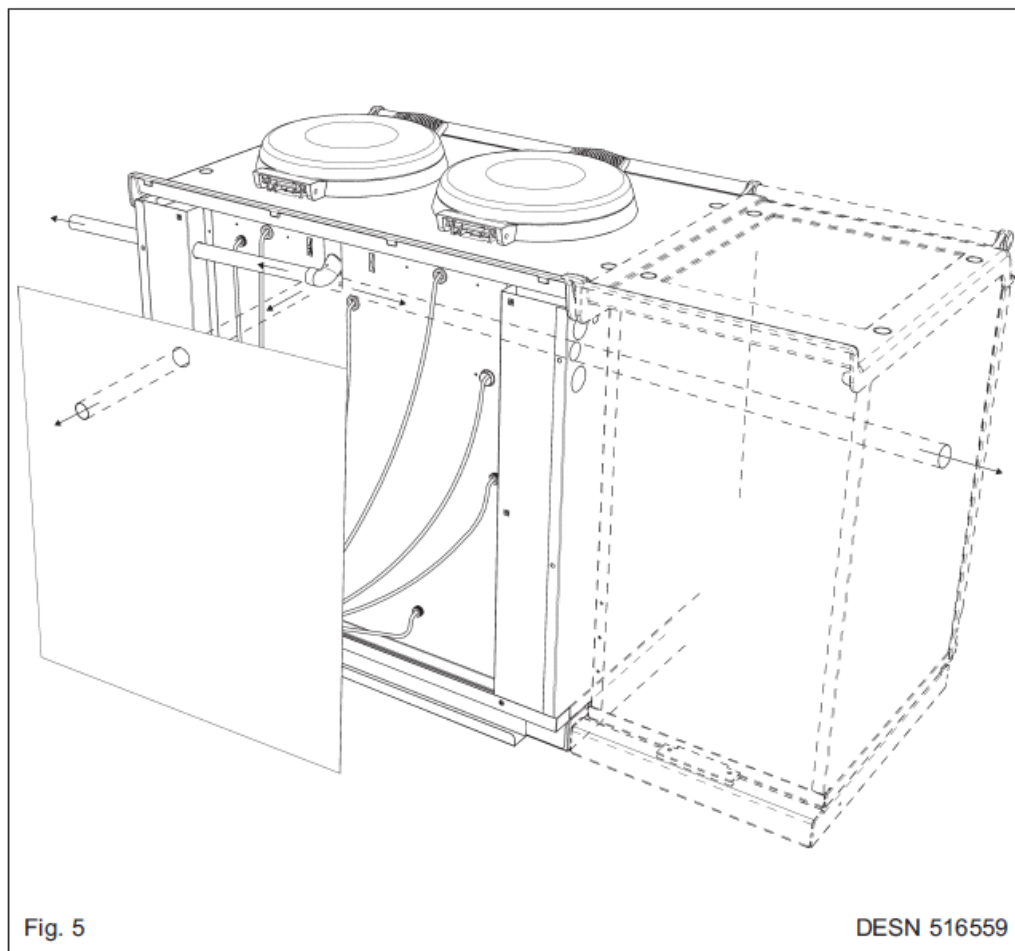
Fig. 3A

DESN 516105

MAINS CABLE ROUTING – AGA TC5 (HOT CUPBOARD OPTION)



VENT PIPE CONNECTION



- The appliance is shown with the oven venting from the RH side.
- To gain access remove the 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 a hole in the back panel.
- Reseal pipe connection with aluminum 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 main 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. 6

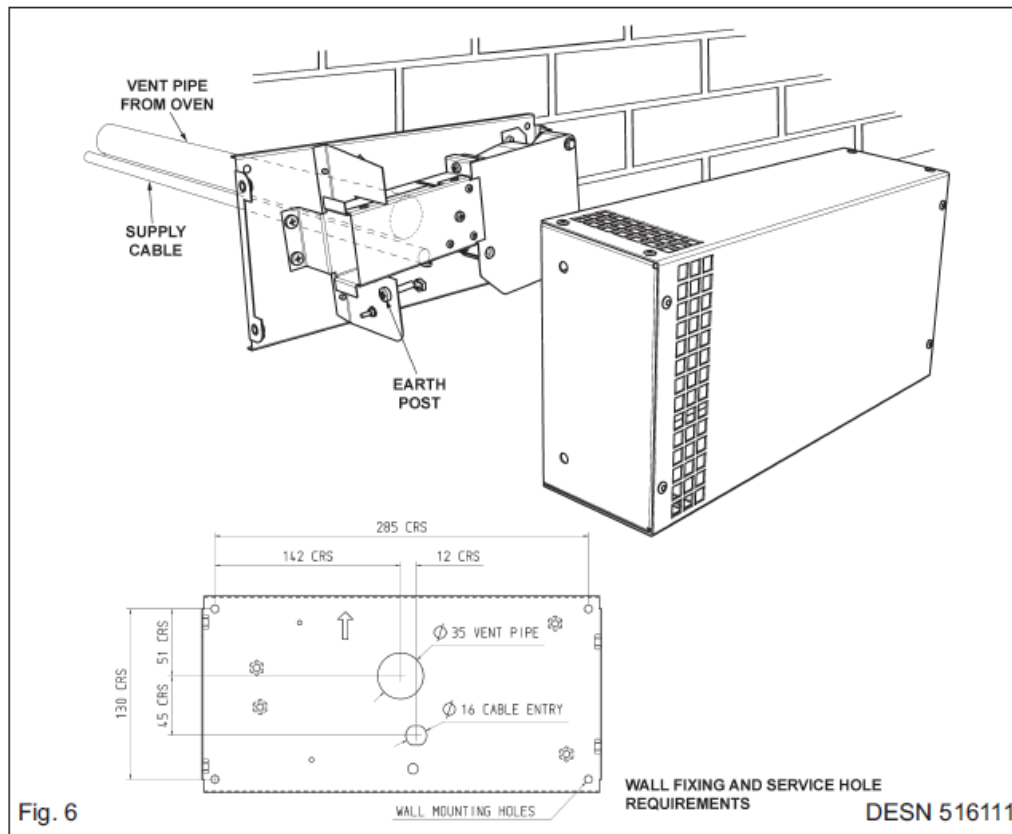
The appliance oven venting pipe can be achieved up to a maximum length of 6 metres, through an outside wall. Great care must be taken in all-timber houses. If the oven vent pipe passes through combustible material, there must be an air gap of at least 25mm around the pipe and preferably wrapped with 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. The pipe run should be horizontal – a slight downward slope towards the fan.
 - Minimum 12 volts for the first meter of vent pipe run inclusive of 1 bend

- For each extra meter add 1 volt.
- For each extra bend add 2 volts
- Maximum allowed 22 volts.
- The minimum setting is 15 volts.

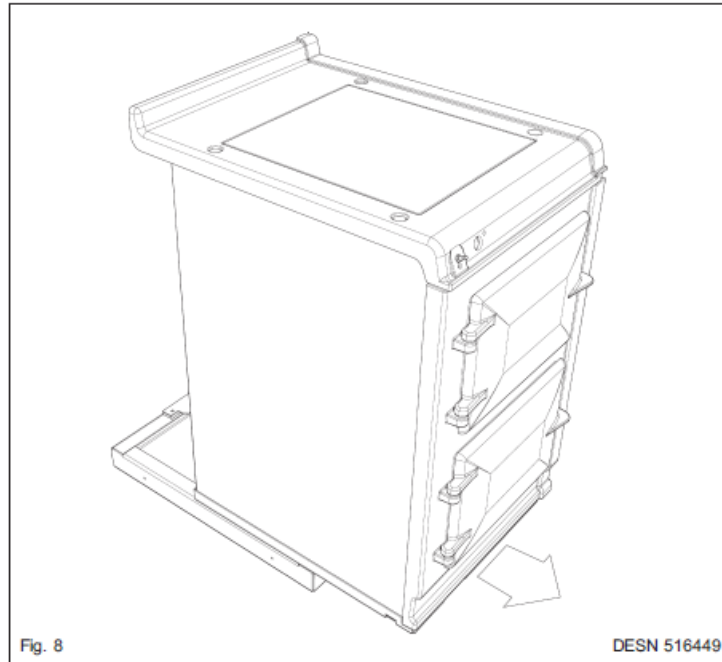
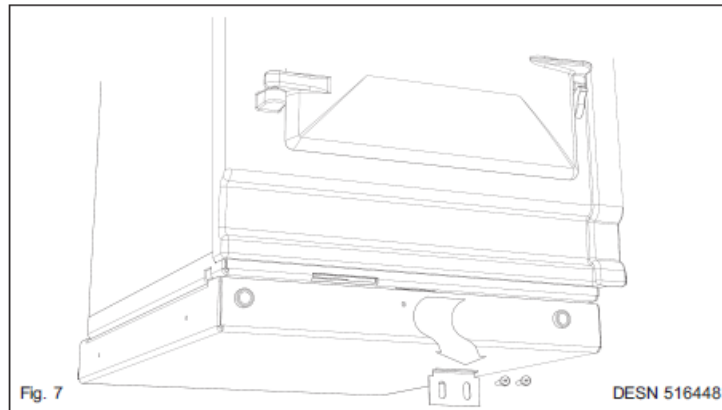
NOTE: IN THE OVEN VENTING, PROVISION MUST BE MADE FOR EASY 'RODDING' OF THE PIPEWORK TO FACILITATE CLEANING.



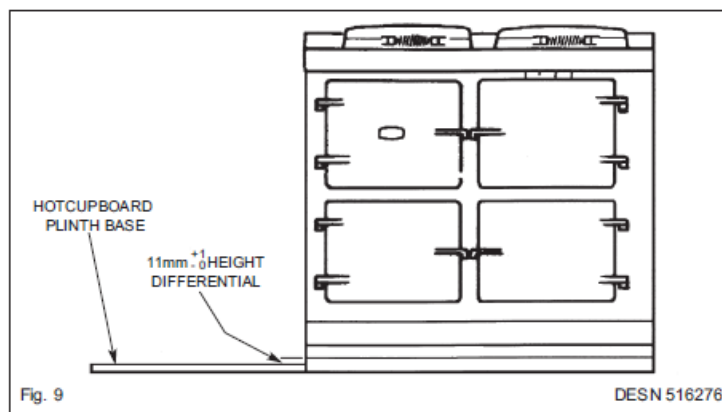
HOTCUPBOARD INSTALLATION

NOTE: The AGA TC5 hot cupboard should arrive with the top plate in a jacked-up position. This is to allow the complete appliance to be slid onto its plinth when alongside the AGA TC3 without the top plates clashing. The hot cupboard top plate should then be wound down to its correct height once the appliance is in its final position.

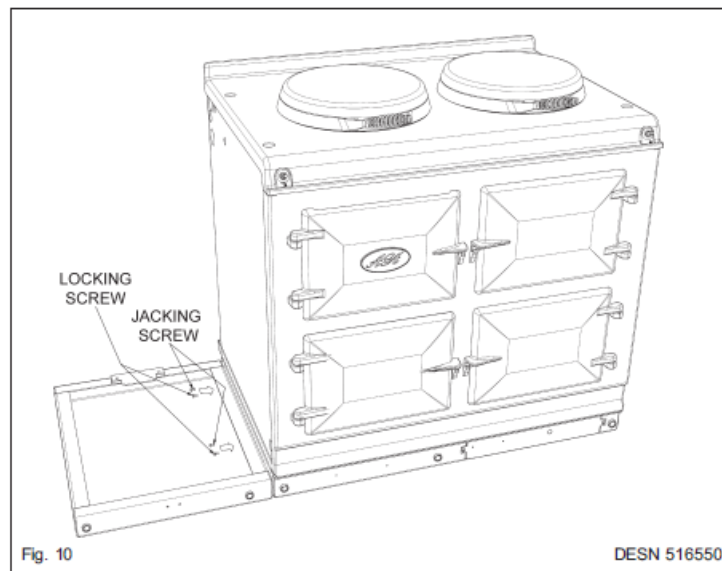
1. Detach the hot cupboard from the plinth by removing two screws and the tongue bracket from the plinth (See Fig. 7), and slide the hot cupboard forwards and away from the rear fixing bracket (See Fig. 8).



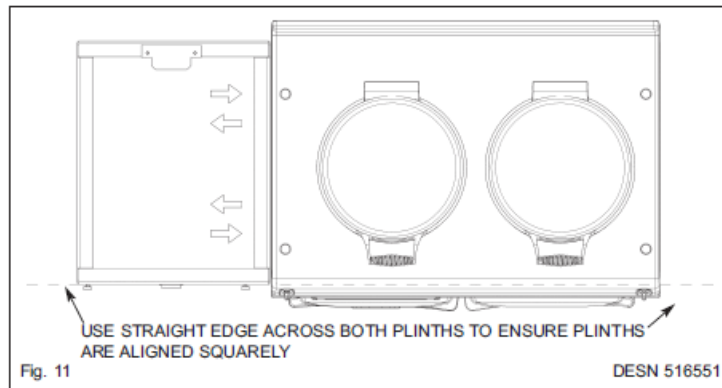
2. Position the plinth alongside the AGA Total Control leaving no gap between the two plinths (See Fig. 9). Check with a spirit level that the plinth level is correct, and also check height differential between the hot cupboard plinth and Total Control plinth is correct (11mm). If necessary, use shims in each corner to level the plinth.



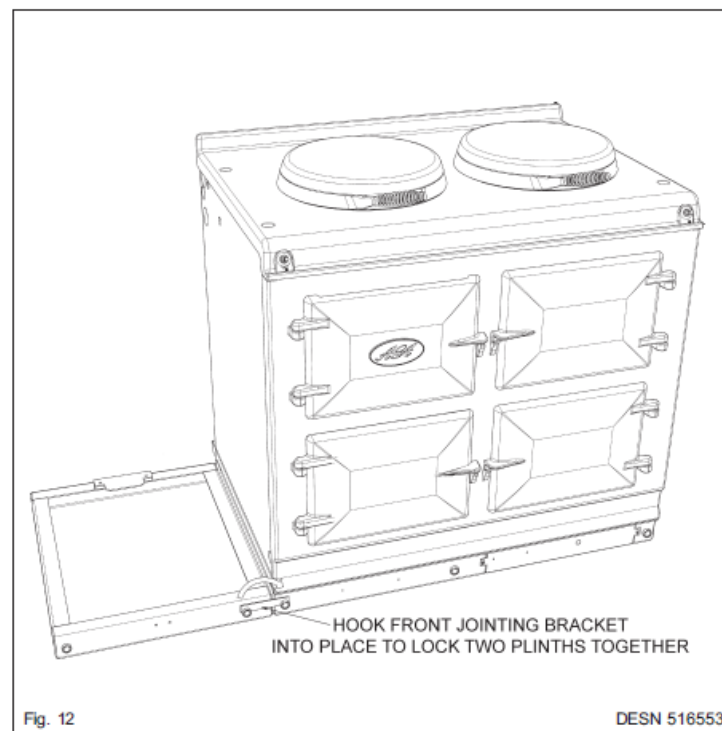
3. Attach the hot cupboard plinth to the AGA Total Control plinth using the M6 screws and washers provided (See Fig. 10). Attach the locking screw and jacking screw into the plinth. Make sure at this stage that the jacking screw does not protrude beyond the outer face of the plinth. Ensure the locking screw is located into the AGA 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 hot cupboard spacer plate should be touching the AGA 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. (See Fig. 11) 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.

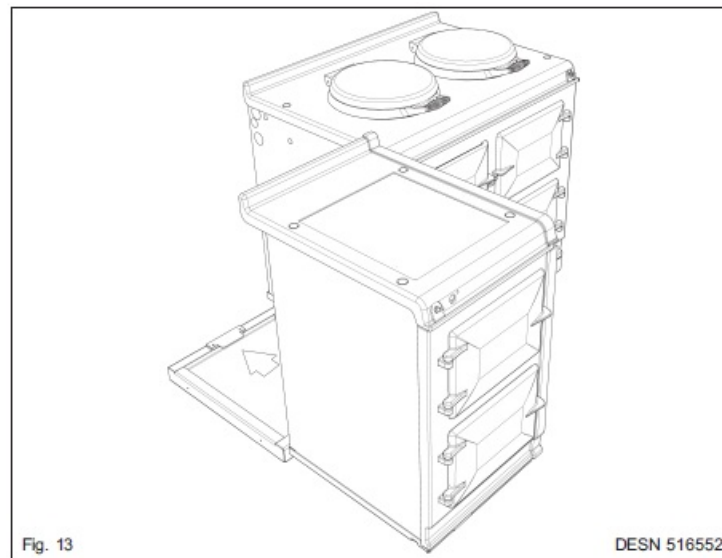


5. The front jointing bracket can now be hooked into place over the two pot magnets. This will latch the two plinths together. (See Fig. 12)

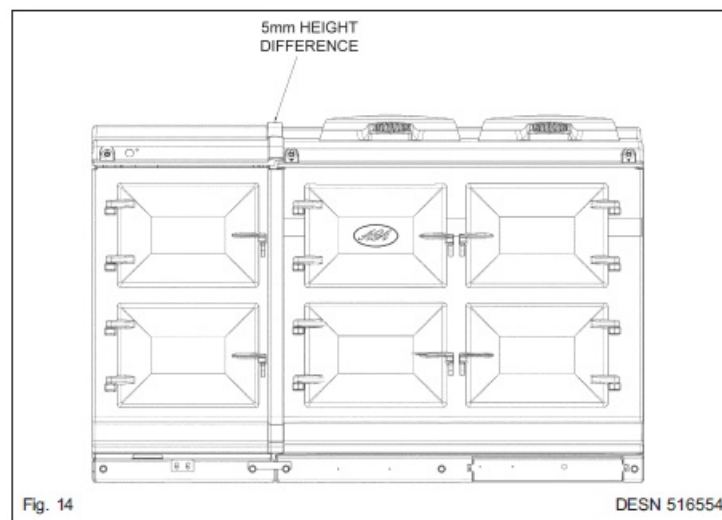


6. Slide the hot cupboard onto the plinth until the rear tongue bracket engages fully into the rear of the base slot,

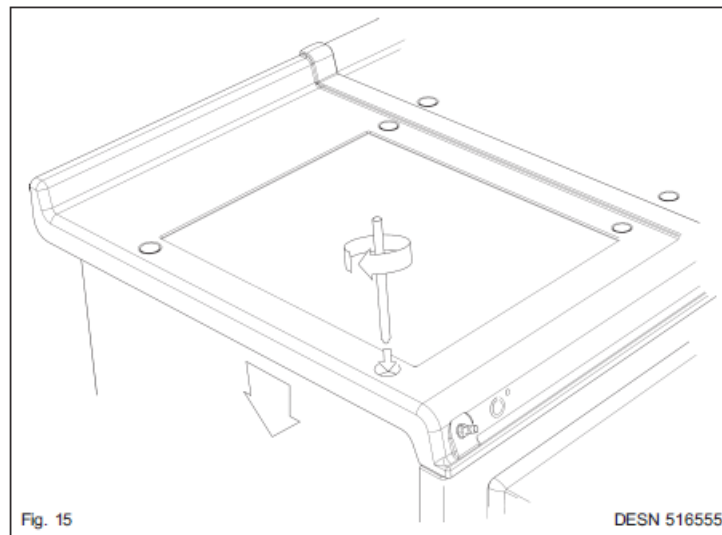
(See Fig. 13). Ensure the appliance is aligned squarely with the plinth then proceed to engage the front tongue bracket into the slot on the underside of the base plate. Once satisfied that the front tongue bracket is engaged fully lock it into place by tightening the two M6 screws fully. Ensure that the electrical cable does not come into contact with the oven vent pipe from the AGA TC3.



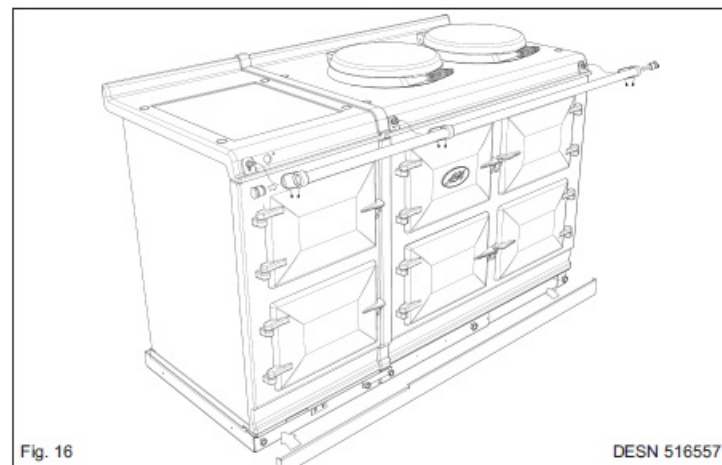
7. The hot cupboard top plate is set 5mm higher than the AGA Total Control top plate. This is to prevent damage to the enamel during installation. Lower the top plate using the adjusters (See Figs. 14 and 15).



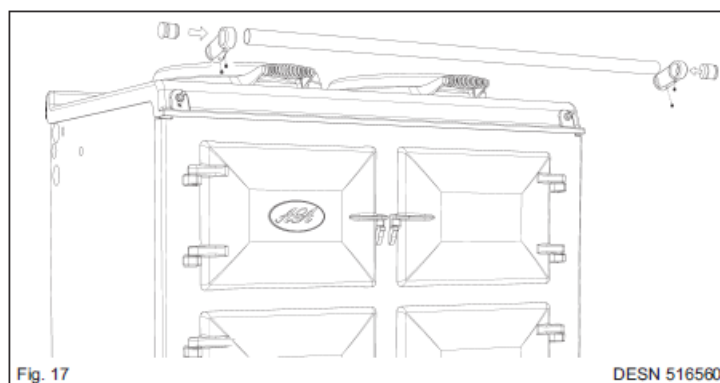
8. Using the stay rod nut adjusting tool, carefully lower the top plate adjusting nuts until the top plate sits at the required height, making sure that the top sits level and matches the height of the AGA TC3. (See Fig. 15). For servicing requirements, the top plate should be removed by raising adjusters approximately 5mm, the top plate can now be removed easily without causing damage to the enameled 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 former cover sheet.



9. Slide the complete handrail assembly over the left hand and centre fixing studs. Once the assembly has been fitted to the AGA appliance, fit the handrail endcaps (ensuring the handrail is evenly spaced at each end). 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 can be applied to the end cap rubber 'O' rings to aid fitment of endcaps into handrail if required). The handrail can now be locked into place using the grub screws on the underside of the handrail brackets. Finally fit plinth fascia onto magnets positioned on plinth, ensuring the fascia sits squarely and centrally.



HANDRAIL CONNECTION – AGA TC3



- Handrail brackets, endcaps, and handrails require assembly.
- Locate endcaps onto the handrail, place brackets over endcaps, and then slide the complete assembly onto locating studs.

- Once the assembly is correctly located, lock it into position with grub screws (located on the underside of the handrail).

WIRING DIAGRAM

WIRING DIAGRAM – AGA TC3

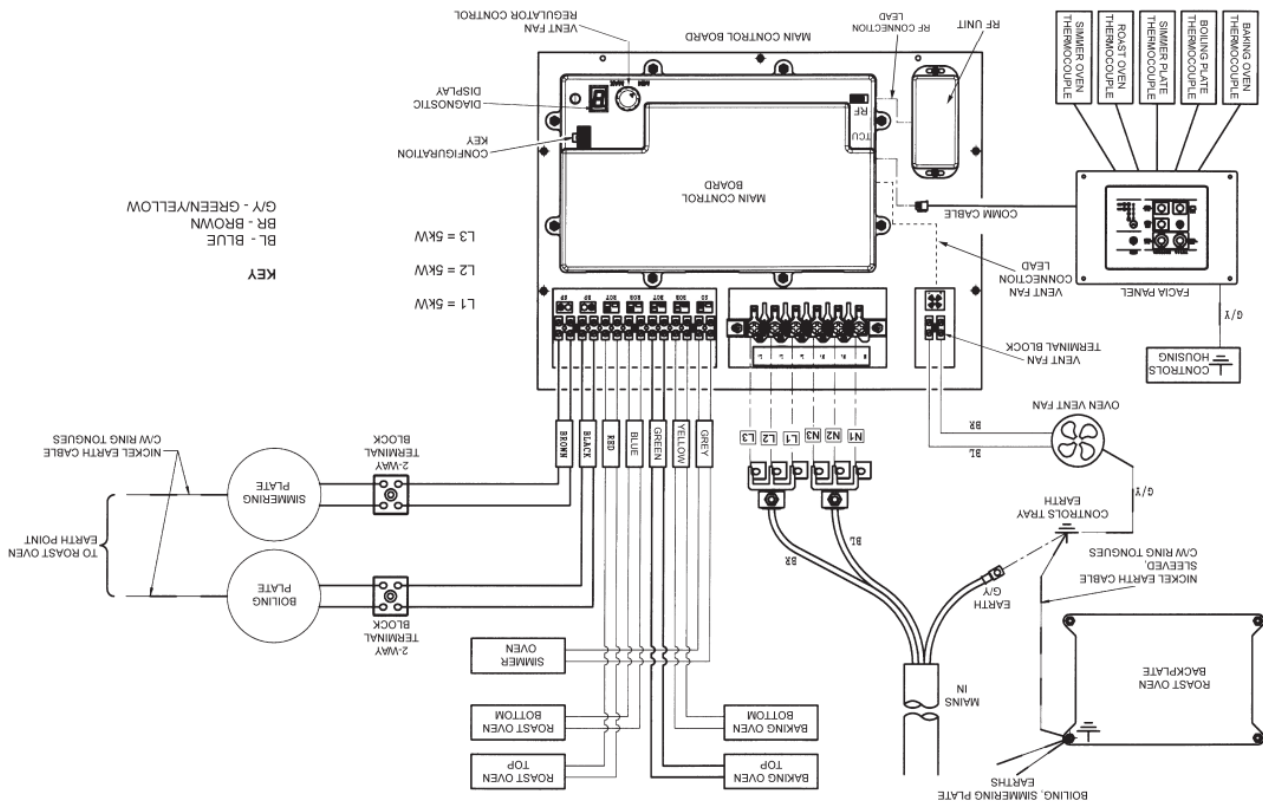
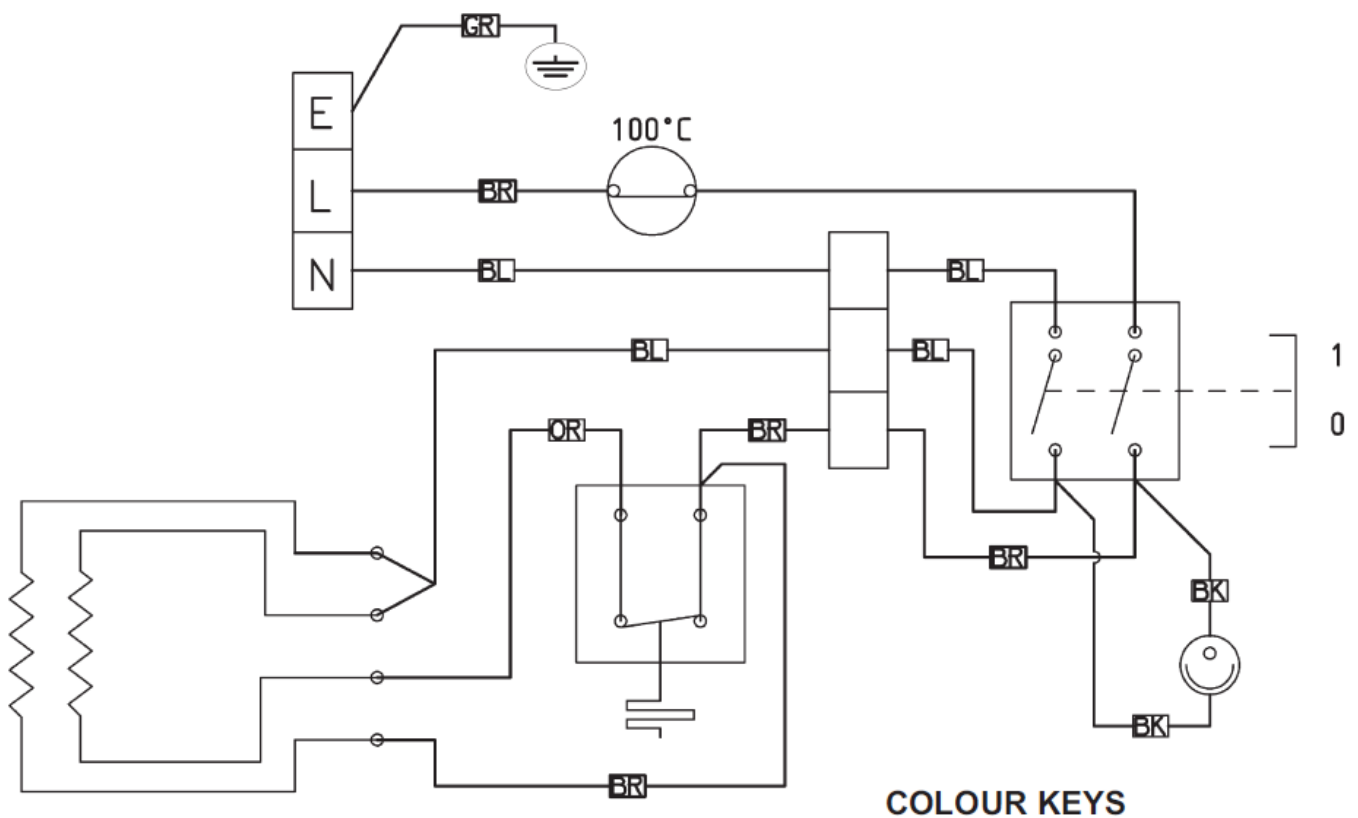


Fig. 18

WIRING DIAGRAM – AGA TC5 (HOTCUPBOARD OPTION)



CAUTION: LABEL ALL WIRES BEFORE DISCONNECTION, WHEN SERVICING CONTROLS WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING

COLOUR KEYS

- **BR** – BROWN
- **BL** – BLUE
- **GR** – GREEN
- **OR** – ORANGE
- **BK** – BLACK

INSTALLATION CHECKLIST

AGA TOTAL CONTROL POST INSTALLATION CHECKLIST

[] SERIAL No.		Tick Box
• Check hotplate lid settings.		<input type="checkbox"/>
• Check oven door seals, adjust door alignment if necessary.		<input type="checkbox"/>
Baking and Simmering Oven rope seals MUST have a gap between the door hinges. The Roasting Oven is fitted with a continuous seal.		<input type="checkbox"/>
Ensure any plastic film isn removed from the inside of the oven doors.		<input type="checkbox"/>
• Ensure Roasting Oven roof baffle is fitted in the correct position.		<input type="checkbox"/>
• Gain access to controls tray and check mains voltage. DO NOT remove any electrical covers to access mains lead. Terminal measurements can be made through small holes in the cover.		<input type="checkbox"/>
Record voltage	1PH [] L1 [] 3PH [] L2 [] 3PH [] L3 []	<input type="checkbox"/>
• Measure vent pipe run and calculate fan speed voltage. Ensure vent pipe routing complies with the Installation Instruction.		<input type="checkbox"/>
Record routing	[]	
Record vent speed voltage	[]	
• Switch on cooker, set controls to manual and turn on all cooking zones and vent fan. Raise hotplate lids to avoid staining.		<input type="checkbox"/>
• During warm-up, slow flashing indicator lights will be observed.		<input type="checkbox"/>
• After 1 hour, check oven and hotplate thermocouple temperatures using Engineers Handset (approx.).		
1. Hotspot (325 - 335°C)	[]	
2. Simmerspot (195 - 205°C)	[]	
3. Roasting Oven (235 - 245°C)	[]	
4. Baking Oven (180 - 185°C)	[]	
5. Simmering Oven (95 - 115°C)	[]	
• During warm-up period, check customer's handset handshakes and instruct customer on it's application and operation.		<input type="checkbox"/>
• Attach warning hanger (EGLL516660) to AGA Total Control handrail when installation is complete. Advise customer to remove and read warning hanger.		<input type="checkbox"/>
• Guide customer through the Users Instructions of the appliance, offering best practices on oven maintenance, energy usage, enamel cleaning (boiled vegetable water staining on enamel etc.).		<input type="checkbox"/>
Engineer's Signature	Date	

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

- Manufactured by AGA Rangemaster Station Road Ketley Telford Shropshire TF1 5AQ England
 - www.agaliving.com.
 - www.agacookshop.co.uk.
 - **Model No's:** TC3 & TC5




REMEMBER:

- When replacing a part on this appliance, use only spare parts that you can be assured conform to the safety and performance specifications that we require.
 - Do not use reconditioned or copied parts that have not been authorized by AGA.
 - PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING THE SITE SURVEY OR INSTALLING THIS APPLIANCE.
 - For use in GB and IE
-

Documents / Resources

	AGA TC5 Total Control [pdf] Instruction Manual TC5 Total Control, TC5, Total Control, Control
-------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------

References

-  [AGA Cookshop | Official Online Shop](#)
-  [AGA Range Cookers - World's Best Cooking Experience | AGA Living](#)
-  [Manual-Hub.com - Free PDF manuals!](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.