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Pre-Site Installation Instructions

Electric Cooker

Consumer Protection Act 1987

As manufacturers and suppliers of cooking and heating products, in compliance with Section 10 of the Consumer Protection Act 1987, we take every care to ensure, as far as is reasonably practicable, that these products are so designed and constructed as to meet the general safety requirement when properly used and installed. To this end, our products are thoroughly tested and examined before despatch.

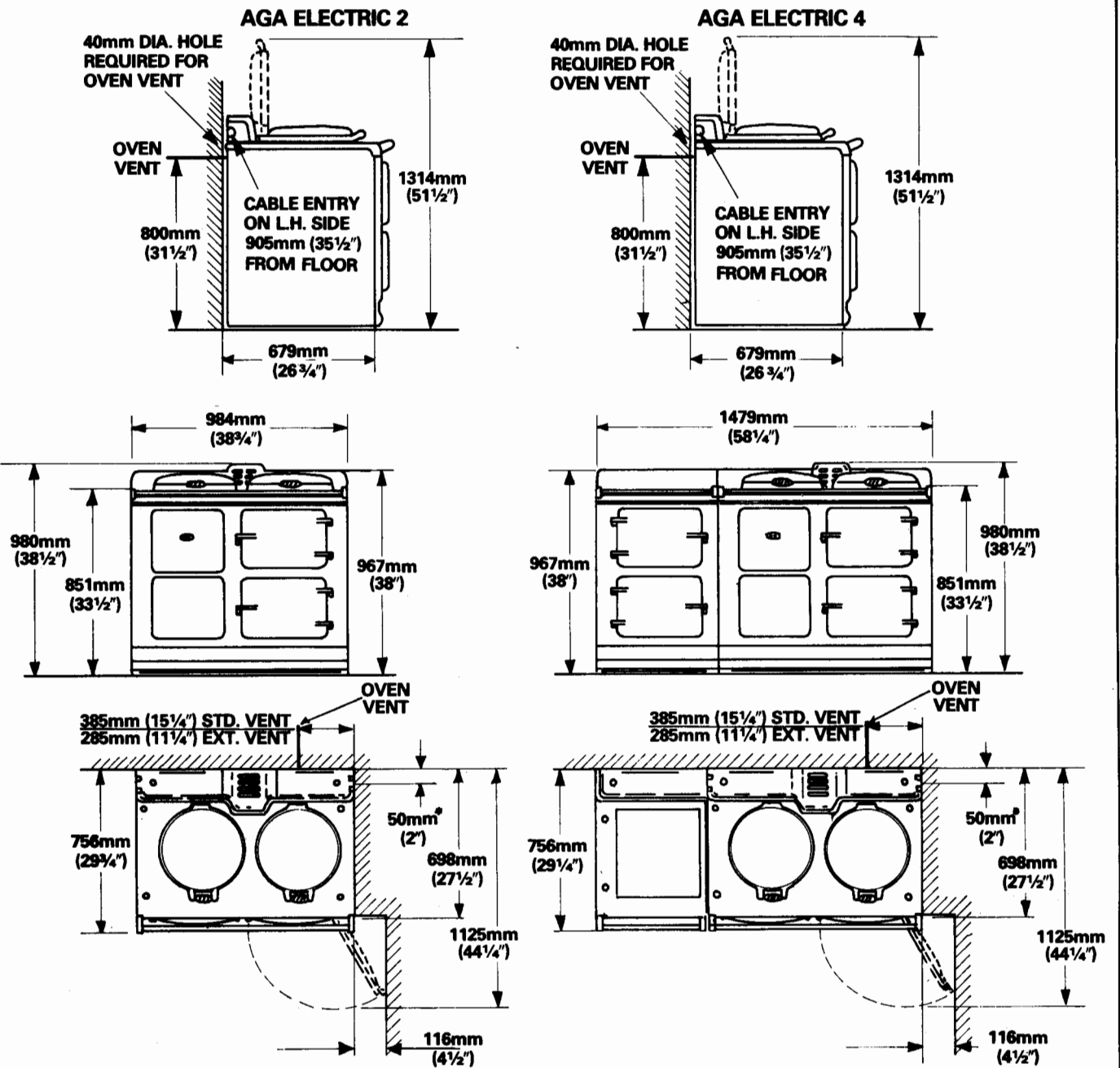
With B.E.A.B.* approval of the above appliance, the responsibilities and B.S. safety standards required from the appliance manufacturers and the installers must be consistently achieved and maintained in order to fulfil our joint obligations. The criteria for such safety standards are *British Electrotechnical Approvals Board.

set by B.E.A.B. and such standards are the minimum permissible.

The manufacturer accepts overall responsibility and ensures that the finished pre-assembled appliance has been monitored throughout its manufacture which includes electrical testing and checking where applicable.

NOTE: THE SITE ERECTION, INSTALLATION AND ELECTRICAL TESTING OF THE APPLIANCE BECOMES THE RESPONSIBILITY OF THE INSTALLER. THIS IS WHERE SAFETY STANDARDS ARE PARAMOUNT, AND THE FOLLOWING BASIC INSTRUCTIONS ARE PROVIDED TO ASSIST INSTALLERS FROM THE MOMENT OF CUSTOMER ENQUIRY.

Fig. 1 GENERAL DIMENSIONAL DETAILS



*ALTERNATIVE OUTLET FOR EXT. OVEN VENT.

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Preliminary Site Inspection

No cooker must be accepted without first carrying out a preliminary site inspection to confirm the following:-

1. The floor is capable of supporting the weight of the cooker, must be perfectly level and must not be a fire risk hazard.
2. The oven vent pipe can be installed to provide such a facility either through an outside wall or into an unused flue, etc. There are two venting kits available, a standard kit for walls up to 405mm (16in) and an extended kit for distances from 405mm (16in) to 3650mm (144in).

For extended venting kits please refer to Fig. 2 below and also to the Performance Chart (Fig. 3) and the examples in Fig. 4 for the suitable positioning of the fan unit. Unorthodox venting problems should be referred back to the Aga works.

Fig. 2 EXTENDED OVEN VENT: INSTALLATION

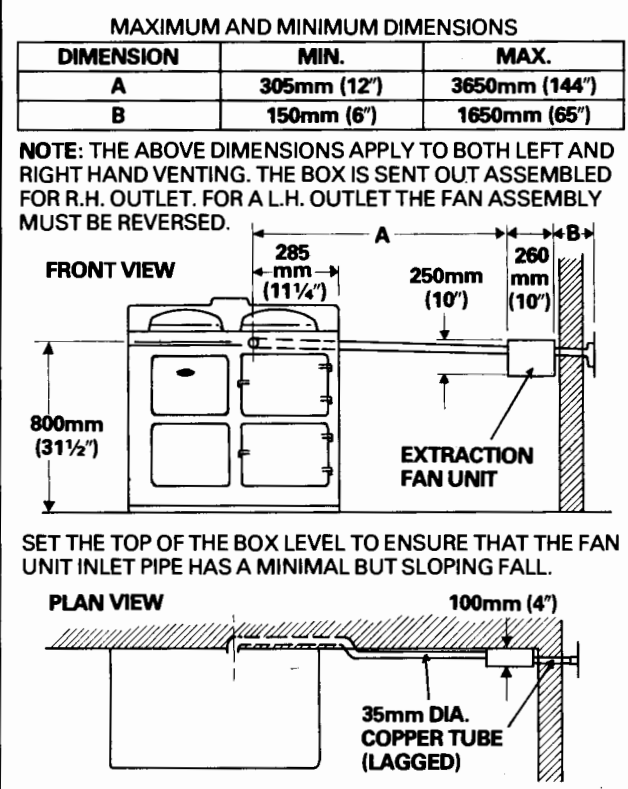
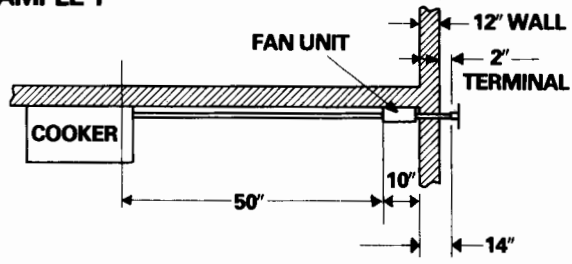


Fig. 4 EXTENDED OVEN VENT: EXAMPLES

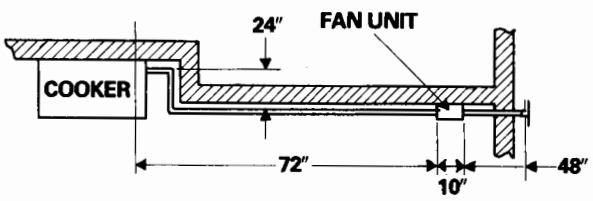
Examples demonstrating how to use the performance chart below to check if the proposed flue design is satisfactory.

EXAMPLE 1



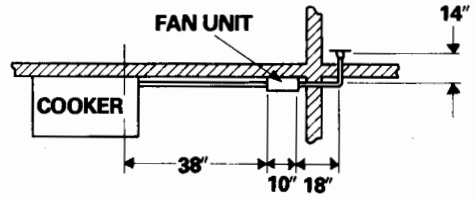
If length of pipe between cooker and fan unit = 50" see A
 If length of pipe after fan unit = 14" see B
 See Example 1 on Chart i.e. **SUITABLE**

EXAMPLE 2



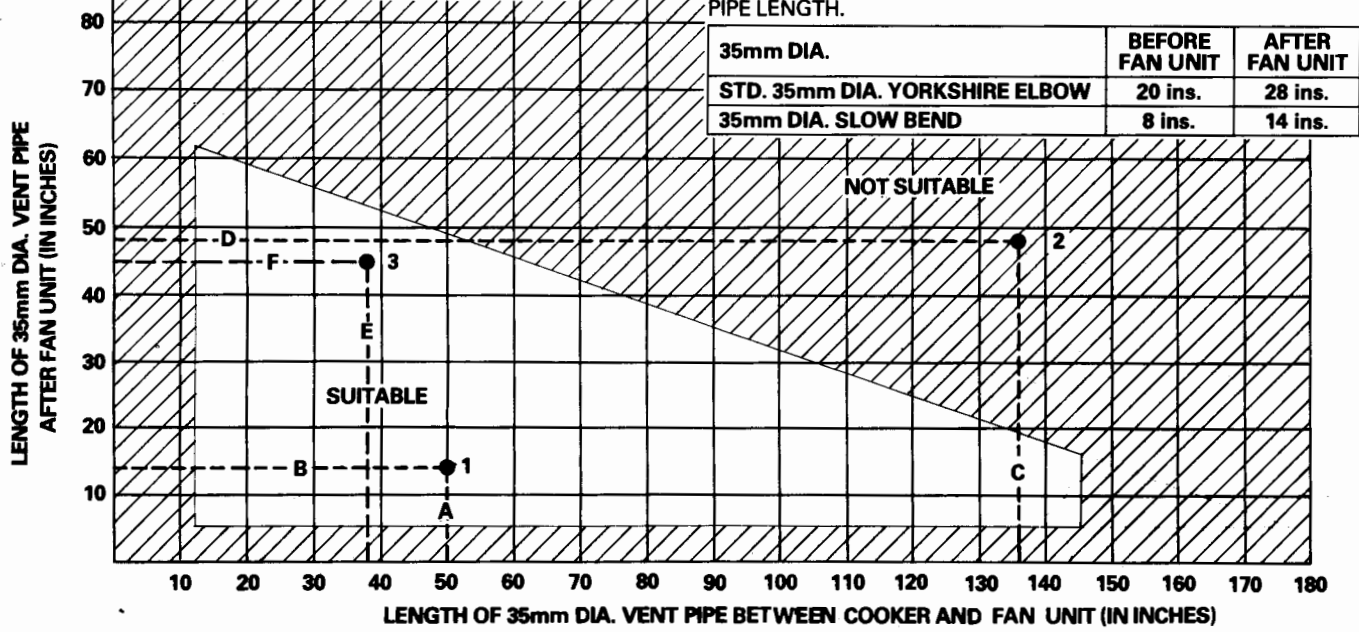
If length of pipe between cooker and fan unit = 24" + 72" = 96"
 Plus 2 Yorkshire elbows before fan unit = 2 at 20" = 40"
 Total effective pipe length between cooker = 136" see C
 and fan unit
 Length of pipe after fan unit = 48" see D
 See Example 2 on Chart i.e. **NOT SUITABLE**

EXAMPLE 3



If length of pipe between cooker and fan unit = 38" see E
 If length of pipe after fan unit = 18" + 14" = 18" + 14" = 32"
 One slow bend after fan unit = 14"
 Then total effective length after fan = 46" see F
 See Example 3 on Chart, i.e. **SUITABLE**

Fig. 3 PERFORMANCE CHART FOR EXTENDED OVEN VENT DESIGN

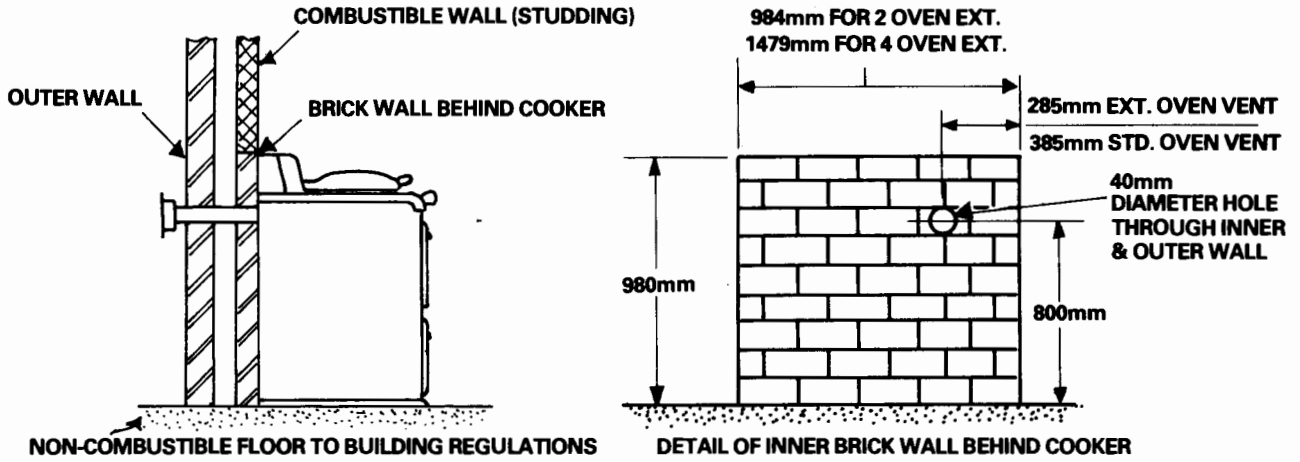


3. The cooker must not be installed directly against a combustible wall, i.e. as in timber framed houses. See

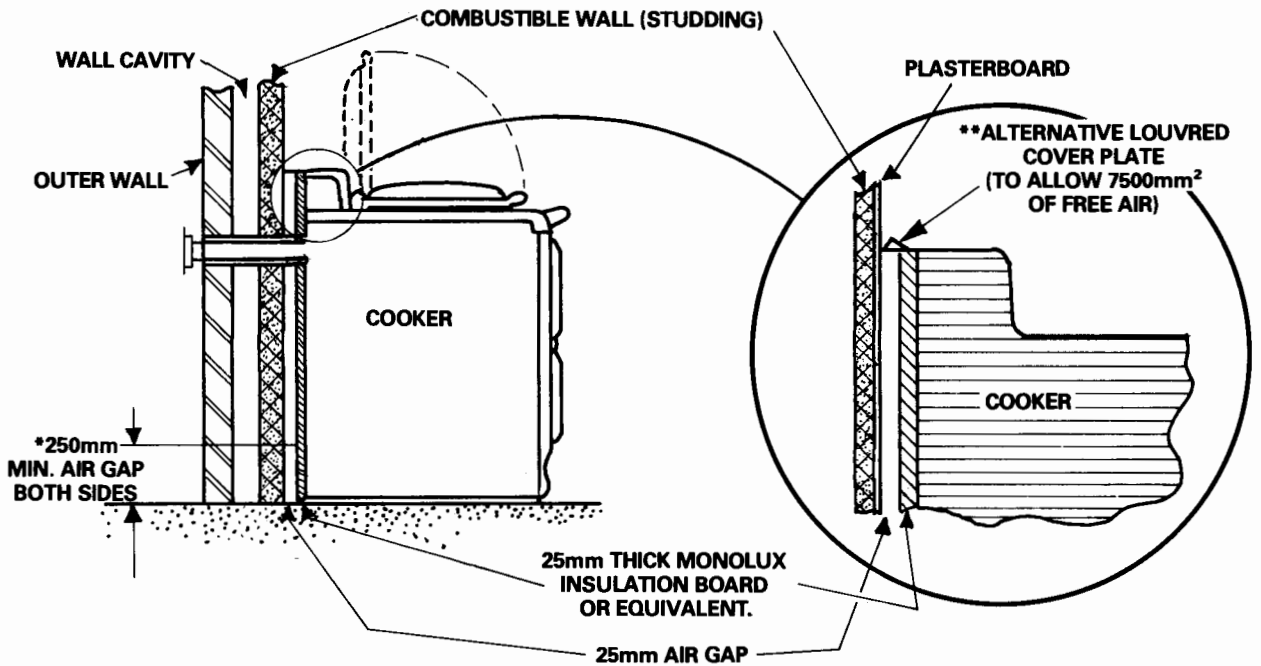
proposals 1 and 2 in Fig. 5 below for recommendations.

Fig. 5 INSTALLATION PROPOSALS FOR COMBUSTIBLE WALLS

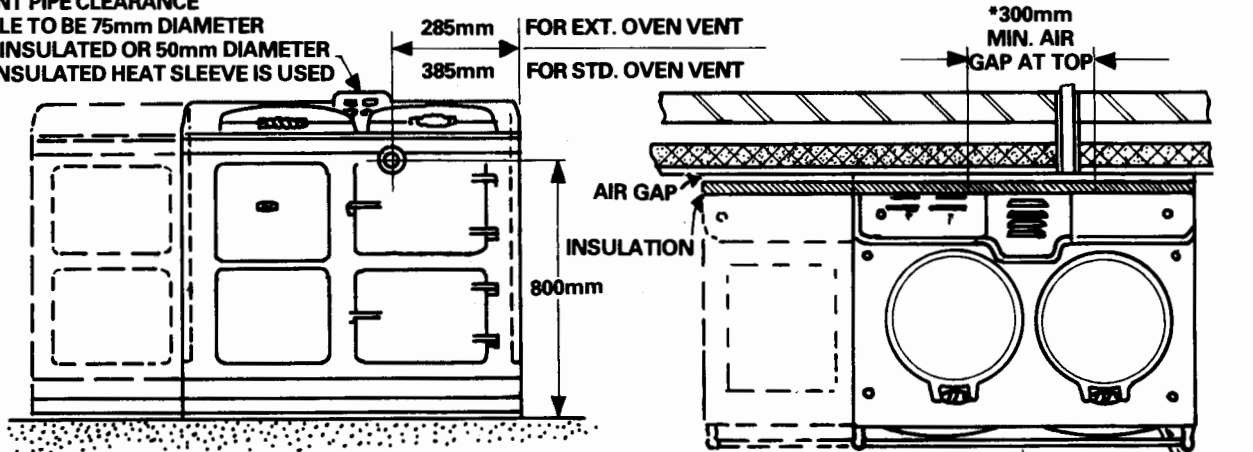
PROPOSAL 1 – BRICK WALL INSTALLED INSTEAD OF STUDDING BEHIND COOKER



PROPOSAL 2 – INSULATION BOARD AND AIR GAP BEHIND COOKER



VENT PIPE CLEARANCE
HOLE TO BE 75mm DIAMETER UNINSULATED OR 50mm DIAMETER IF INSULATED HEAT SLEEVE IS USED



*The 25mm air gap behind the cooker may be 'boxed in' around the edges but the minimum air gaps shown MUST be maintained.
**Alternatively, the top gap may be covered by a louvred plate but this MUST allow 7500mm² of free air to pass.

4. A flat surface of 290mm x 100mm (11½in x 4in) is needed to mount the controller and the optimum location is one of the two following positions:
- With the cooker installed against a flat expanse of back wall, the controller should be located clear of the left hand side of the cooker and about 1370mm (54in) from floor level. This gives the advantage of convenient and neat cable distribution between the controller and the cooker.
 - With the cooker installed in a recess, the controller should be located at the front left hand recess wall about 1370mm (54in) from floor level.
- Other locations can be made, but avoid locating the controller directly above the top plate shroud of the cooker as rising convected air currents can affect the controller's performance.
5. A consultative discussion must take place with an authorised member of the Area Electricity Board to determine respective areas of responsibilities.
- The appliance is normally intended to operate on the Domestic Economy 7 Tariff or the Small Supplies Economy 7 Tariff electricity supply.
 - A 30 amp, 240 volt, single phase supply must be available which operates from an EC7/Peak Tariff electricity meter.
 - An EC7, 2 amp, 240 volt independent timed live and neutral supply must be available. It should be confirmed whether the Electricity Board will allow its time switch meter to be used for this supply, if not, an independent time switch will have to be provided which is synchronised with the EC7 meter.
 - Advise the Area Electricity Board representative that the earth leakage is well below the normal 30mA. Residual Current Circuit Breaker (R.C.C.B.) capacity, where fitted.

(v) Ensure that houses having a T T installation (i.e. overhead power supply without an Electricity Board Earth Termination) have a 30mA R.C.C.B. fitted.

6. Electrical installation of the power supply between the cooker and meter, **must** be undertaken, directly or indirectly, by the installer utilising qualified competent electrical contractors with cable conformance to current I.E.E. regulations and good practice.

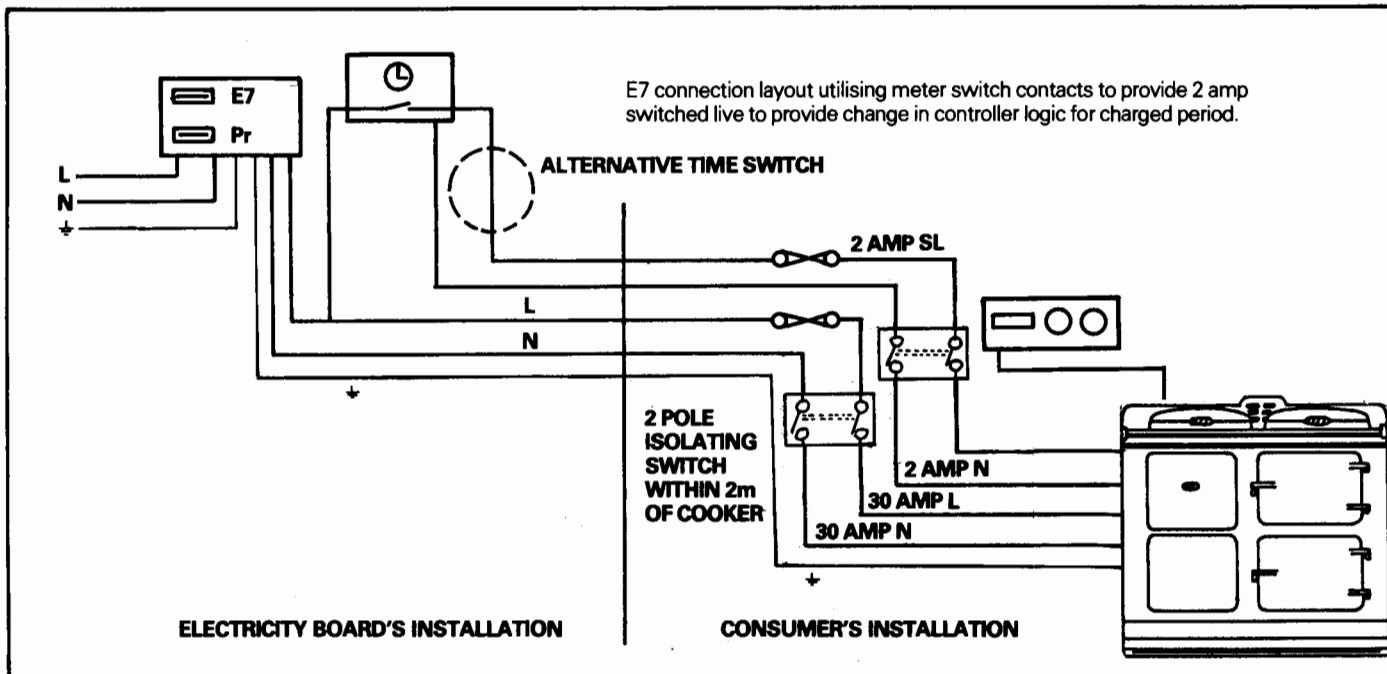
Site Erection

Following the completion of cooker erection, specific electrical checks must be made, **before** power is connected, by competent personnel equipped with suitable instrumentation. These electrical checks are outlined in detail at the end of the Assembly Manual and the Check Sheet should be ticked and ultimately signed by the individual involved. Connection between the meter and cooker can now be finalised and power switched ON.

Initial Commissioning of Cooker

With power switched ON, the cooker will gradually heat up, and during this process, some smells and fumes will be driven off from the internal cooker insulation, which will continue for about 5 hours until finally dissipated. To minimise this initial inconvenience, the cooker kitchen area should be continuously window-vented throughout this period and the User advised to avoid entering this area if possible, until finally clear of smells.

Following commissioning, copies of the completed Check Sheets should be returned to Aga Works.



With Aga'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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