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# USER GUIDE & INSTALLATION INSTRUCTIONS

Professional+ FX 90 Induction



RANGEMastei





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To enter all you have to do is send in photos of your Rangemaster kitchen and tell us in one sentence what makes Rangemaster the heart of your kitchen? Entries can be posted on our Facebook page, Instagram or Twitter by tagging @RangemasterUK and using #MyRangemaster. Or, if you prefer, simply send in your entry via e-mail to marketing@agarangemaster.co.uk.

Rangemaster will feature a number of entries on the website online gallery and on the Rangemaster Facebook page, and some kitchens may be selected to be professionally photographed.

\*Terms & Conditions Apply







## RANGEMaster

Our range cookers are well known for providing the best possible cooking performance and years of faithful service. However, a great cooker alone cannot guarantee perfect results every time. The other vital ingredients are of course enthusiasm and quality cookware.

We offer cookware to work perfectly with all fuel types manufactured by Rangemaster, including induction hobs. You can be assured of functionality with style, as well as the quality and meticulous attention to detail you expect from the pioneers of range cooking.

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#### 1. Before You Start...

Your cooker should give you many years of trouble-free cooking if installed and operated correctly. It is important that you read this section before you start.

#### **Personal Safety**

This appliance is for cooking purposes only. It must not be used for other purposes, for example heating a room. Using it for any other purpose could invalidate any warranty or liability claim. Besides invalidating claims this wastes fuel and may overheat the control knobs.

This appliance is for use in Great Britain and the Republic of Ireland. It is a Cat II<sub>2H3+</sub> cooker and is set for G20 at 20 mbar. (A conversion kit for LPG is available for the cooker).

- This 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.
- Children less than 8 years of age should be kept away unless continuously supervised. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- This appliance is designed for domestic cooking only.
   Use for any other purpose could invalidate any warranty or liability claim.
- The appliance and its accessible parts become hot during use and will retain heat even after you have stopped cooking. Care should be taken to avoid touching heating elements.
- A long term cooking process has to be supervised from time to time. A short term cooking process has to be supervised continuously.
- At the risk of fire **DO NOT** store items on the cooking surfaces.
- To avoid overheating, **DO NOT** install the cooker behind a decorative door.
- Accessible parts will become hot during use and will retain heat even after you have stopped cooking. Keep babies and children away from the cooker and never wear loose-fitting or hanging clothes when using the appliance.
- DO NOT use a steam cleaner on your cooker.
- Always keep combustible materials, e.g. curtains, and flammable liquids a safe distance away from the cooker.
- DO NOT spray aerosols in the vicinity of the cooker while it is on.

#### **Electrical Connection Safety**

A Gas Safe registered engineer should service the cooker and only approved spare parts should be used.

The electrical installation must be installed in accordance with all relevant British Standards/Codes of Practice, BS 7671. Or with the relevant national and local regulations and with the local gas and electricity supply companies' requirements.

Otherwise, all installations must be in accordance with the relevant instructions in this booklet.

Read the instructions before installing or using this appliance.

- This appliance is heavy so take care when moving it.
- The cooker may be installed in a kitchen/kitchen diner but **NOT** in a room containing a bath or shower.
- This cooker must be earthed.
- This cooker MUST NOT be connected to an ordinary domestic power point.
- It is normal for the hob control display to flash for about 2 seconds during first power setting.
- Set the clock to make sure that the oven is functional see the relevant section in this manual.
- The appliance must be installed in accordance with the regulations in force and only in a well ventilated space.
- Failure to install the appliance correctly could invalidate any warranty or liability claims and lead to prosecution.
- **DO NOT** install the appliance on a platform.
- **DO NOT** manouvre the cooker while it is plugged into the electricity supply.
- Before electrical reconnection, check that the appliance is electrically safe.

#### **Gas Connection Safety**

- This cooker is a Class 2 Subclass 1 appliance.
- This appliance can be converted for use on another gas.
- Before installation, make sure that the cooker is suitable for your gas type and supply voltage. See the data badge.
- **DO NOT** use reconditioned or unauthorised gas controls.
- Disconnect from the electricity and gas supply before servicing.
- When servicing or replacing gas-carrying components disconnect from the gas supply before starting operation. Check the appliance is gas sound after completion.
- Make sure that the gas supply is turned on and that the cooker is wired in and switched on.
- In your own interest and that of safety, it is law that all gas appliances be installed by a qualified person(s).
- An appliance for use on LPG must not be installed in a room or internal space below ground level, e.g. in a basement.
- · This cooker must be installed in accordance with:
  - British Standards/Codes of Practice, BS 5440 Part 2
  - Natural Gas: BS 6172 and BS 6891
  - LP Gas: BS 5482-1 (when the installation is in a permanent dwelling)
  - · Gas Safety (Installation and Use) regulations
  - Relevant Building/IET regulations

#### If You Smell Gas

- DO NOT turn electric switches on or off
- DO NOT smoke
- **DO NOT** use naked flames
- · Turn off the gas at the meter or cylinder
- · Open doors and windows to get rid of the gas
- · Keep people away from the area affected
- Call your gas supplier
- If you are using Natural Gas in the UK, ring the National Grid on: 0800 111 999

#### **Peculiar Smells**

When you first use your cooker it may give off an odour. This should stop after use.

Before using for the first time, make sure that all packing materials have been removed and then, to dispel manufacturing odours, turn the ovens to 200 °C and run for at least an hour.

Before using the grill for the first time you should also turn on the grill and run for **30** minutes with the grill pan in position, pushed fully back and the grill door open.

Make sure the room is well ventilated to the outside air (see 'Ventilation' below). People with respiratory or allergy problems should vacate the area for this brief period.

#### **Ventilation**

The use of a cooking appliance results in the production of heat and moisture in the room in which it is installed. Therefore, make sure that the kitchen is well ventilated: keep natural ventilation holes open or install a powered cookerhood that vents outside. If you have several hotplates/burners on, or use the cooker for a long time, open a window or turn on an extractor fan

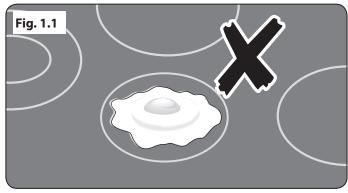
#### Maintenance

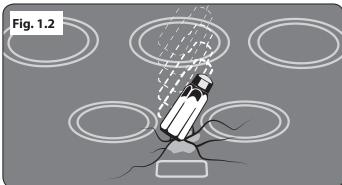
- It is recommended that this appliance is serviced annually.
- DO NOT use cooking vessels on the hotplate that overlap the edges.
- Unless specified otherwise in this guide, always allow the cooker to cool and then switch it off at the mains before cleaning or carrying out any maintenance work.
- DO NOT use the control knobs to manoeuvre the cooker.
- **NEVER** operate the cooker with wet hands.
- DO NOT use a towel or other bulky cloth in place of a glove – it might catch fire if brought into contact with a hot surface.
- DO NOT use hotplate protectors, foil or hotplate covers of any description. These may affect the safe use of your hotplate burners and are potentially hazardous to health.
- **NEVER** heat unopened food containers. Pressure build up may make the containers burst and cause injury.
- DO NOT use unstable saucepans. Always make sure that you position the handles away from the edge of the hotplate.
- NEVER leave the hotplate unattended at high heat settings. Pans boiling over can cause smoking, and greasy spills may catch on fire. Use a deep fat thermometer whenever possible to prevent fat overheating beyond the smoking point.
- Unattended cooking on a hob with fat or oil can be dangerous and may result in fire.
- NEVER leave a chip pan unattended. Always heat fat slowly, and watch as it heats. Deep fry pans should be only one third full of fat.
- NEVER try to move a pan of hot fat, especially a deep fat fryer. Wait until the fat is cool. Filling the pan too full of fat can cause spill over when food is added. If you use a combination of oils or fats in frying, stir them together before heating, or as the fats melt.
- Foods for frying should be as dry as possible. Frost on frozen foods or moisture on fresh foods can cause hot fat to bubble up and over the sides of the pan. Carefully watch for spills or overheating of foods when frying at high or medium high temperatures.
- DO NOT use the top of the flue (the slot along the back of the cooker) for warming plates, dishes, drying tea towels or softening butter.

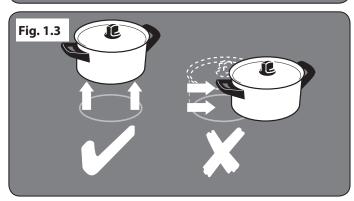
- DO NOT use water on grease fires and never pick up a flaming pan. Turn the controls off and then smother a flaming pan on a surface unit by covering the pan completely with a well fitting lid or baking tray. If available, use a multi-purpose dry chemical or foamtype fire extinguisher.
- DO NOT modify this appliance. This appliance is not intended to be operated by means of external timer or separated remote-control system.
- If flammable materials are stored in the drawer, oven(s) or grill(s) it may explode and result in fire or property damage.

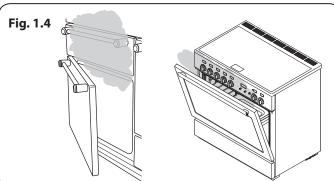
#### **Induction and Ceramic Care**

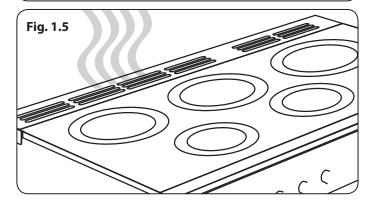
- Important information for pacemaker and implanted insulin pump users: The functions of this hob comply with the applicable European standards on electromagnetic interference. If you are fitted with a pacemaker or implanted insulin pump and are concerned please consult your doctor for medical advice.
- When the hob is in use keep magnetic items away, such as credit and debit cards, floppy disk, calculators, etc.
- Take care when touching the marked cooking areas of the hob.
- Use adequately sized pans with flat bottoms that are large enough to cover the surface of the hotplate heating area. Using undersized pans will expose a portion of the hotplate surface to direct contact and may result in the ignition of clothing
- Only certain types of glass, glass-ceramic, earthenware or other glazed containers are suitable for use on the warming zone; others may break because of the sudden change in temperature.
- Only certain types stainless steel, enamelled steel pans or cast iron pans with enamelled bases are suitable for induction hob cooking.
- Take care **NOT** to scratch the surface when placing cookware on the glass panel.
- Only certain types of glass, glass-ceramic, earthenware or other glazed containers are suitable for hotplate cooking; others may break because of the sudden change in temperature. NEVER cook directly on the hob surface (Fig. 1.1).
- DO NOT leave the hob zones switched on unless being used for cooking.
- **DO NOT** stand or rest heavy objects on the hob. Although the ceramic surface is very strong, a sharp blow or sharp falling object (e.g. a salt cellar) might cause the surface to crack or break **(Fig. 1.2)**.
- Should a crack appear in the surface, disconnect the appliance immediately from the supply and arrange for its repair.
- Always LIFT pans off the hob. Sliding pans may cause marks and scratches (Fig. 1.3).











- Take care when placing hot lids onto the hob surface.
   Lids that have been covering boiling or steaming foods
   can 'stick' to the ceramic glass. Should this occur, DO
   NOT attempt to lift the lid off the hotplate: this may
   damage the hob surface. Instead, carefully slide the lid
   to the edge of the hob surface and remove.
- **DO NOT** place anything between the base of the pan and the hob surface (e.g. asbestos mats, aluminium foil, wok stand).
- Take care **NOT** to place metallic objects such as knives, forks, spoons and lids on the hob surface since they can get hot.
- We recommend that you avoid wiping any surface unit areas until they have cooled and the indicator light has gone off. Sugar spills are the exception to this (see 'Cleaning your Cooker'). After cleaning, use a dry cloth or paper towel to remove any cleaning cream residue.
- The ceramic surface should be washed after use in order to prevent it from becoming scratched or dirty. Clean the hob with caution as some cleaners can produce noxious fumes if applied to a hot surface..
- DO NOT leave the hob unattended. Care should be taken to not allow your cookware to boil dry. It will damage your cookware and Induction Glass Hob.
- After use, switch off the hob element by its control. DO NOT rely on the pan detector.

#### **Oven Care**

- When the oven is not in use and before attempting to clean the cooker always be certain that the control knobs are in the OFF position.
- Use oven gloves to protect your hand from potential burns.
- Cooking high moisture content foods can create a 'steam burst' when the oven door is opened (Fig. 1.4).
   When opening the oven, stand well back and allow any steam to disperse.
- The inside door face is constructed with toughened safety glass. Take care **NOT** to scratch the surface when cleaning the glass panel.
- Accidental damage may cause the door glass panel to fracture.
- Keep oven vent ducts unobstructed.
- DO NOT use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.
- Make sure the shelves are pushed firmly to the back of the oven. DO NOT close the door against the oven shelves.
- DO NOT use aluminium foil to cover shelves, linings or the oven roof.
- When the oven is on, **DO NOT** leave the oven door open for longer than necessary, otherwise the control knobs may become very hot.
- **DO NOT** use the timed oven if the adjoining oven is already warm.

- **DO NOT** place warm food in the oven to be timed.
- **DO NOT** use a timed oven that is already warm.
- Use dry oven gloves when applicable using damp gloves might result in steam burns when you touch a hot surface.

#### **Hob Care**

- **NEVER** allow anyone to climb or stand on the hob.
- **DO NOT** use the hob surface as a cutting board.
- **DO NOT** leave utensils, foodstuffs or combustible items on the hob when it is not in use (e.g. tea towels, frying pans containing oil).
- **DO NOT** place plastic or aluminium foil, or plastic containers on the hob.
- Always turn the control to the OFF position before removing a pan.
- Avoid heating an empty pan. Doing so may damage both the hob and pan.

#### Grill/Glide-out Grill™ Care

- When using the grill, make sure that the grill pan is in position and pushed fully in, otherwise the control knobs may become very hot.
- DO NOT leave the grill on for more than a few moments without the grill pan underneath it, otherwise the knobs may become hot.
- **NEVER** close the grill door when the grill is on.
- Accessible parts may be hot when the grill is in use.
   Young children should be kept away.

#### **Cooling Fan**

This appliance may have a cooling fan. When the grill or oven is in operation the fan will run to cool the fascia and control knobs.

#### **Cooker Care**

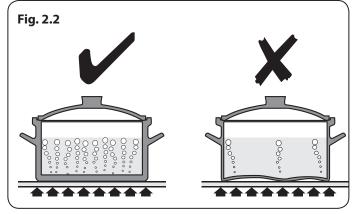
As steam can condense to water droplets on the cool outer trim of the oven, it may be necessary during cooking to wipe away any moisture with a soft cloth. This will also help to prevent soiling and discolouration of the oven exterior by cooking vapours (Fig. 1.5).

#### Cleaning

- Isolate the electricity supply before carrying out any thorough cleaning. Allow the cooker to cool.
- In the interests of hygiene and safety, the cooker should be kept clean at all times as a build up in fats and other food stuff could result in a fire.
- Clean only the parts listed in this guide.
- Clean with caution. If a wet sponge or cloth is used to wipe spills on a hot surface, be careful to avoid steam burns. Some cleaners can produce noxious fumes if applied to a hot surface.
- NEVER use paint solvents, washing soda, caustic cleaners, biological powders, bleach, chlorine based bleach cleaners, coarse abrasives or salt.
- **DO NOT** mix different cleaning products they may react together with hazardous results.
- All parts of the cooker can be cleaned with hot soapy water.
- Take care that no water seeps into the appliance.
- Before you remove any of the grill parts for cleaning, make sure that they are cool or use oven gloves.
- DO NOT use any abrasive substances on the grill and grill parts.
- DO NOT put the side runners in a dishwasher.
- **DO NOT** put the burner heads in a dishwasher.
- **NEVER** use caustic or abrasive cleaners as these will damage the surface.
- **DO NOT** use steel wool, oven cleaning pads or any other materials that will scratch the surface.
- NEVER store flammable materials in the drawer.
   This includes paper, plastic and cloth items, such as cookbooks, plastic ware and towels, as well as flammable liquids.
- DO NOT store explosives, such as aerosol cans, on or near the appliance.
- **DO NOT** use steel wool, oven cleaning pads, or any other materials that will scratch the surface.
- DO NOT attempt to disassemble or clean around any burner while another burner is on, otherwise an electric shock could result.

## 2. Overview





The induction cooker (Fig. 2.1) has the following features:

- **A.** 5 induction cooking zones
- **B.** A control panel
- **C.** A multi-function oven
- D. A storage drawer

#### The Hob

Use only pans that are suitable for induction hobs. We recommend stainless steel, enamelled steel pans or cast iron pans with enamelled bases. Note that some stainless steel pans are not suitable for use with an induction hob so please check carefully before purchasing any cookware.

Pans made of copper, aluminium or ceramic are not suitable for use on an induction hob. The kind of pan you use and the quantity of food affects the setting required. Higher settings are required for larger quantities of food.

Pots and pans should have thick, smooth, flat bottoms (Fig. 2.2). This allows the maximum heat transfer from the hob to the pan, making cooking quick and energy efficient. Never use a round-bottomed wok, even with a stand.

The very best pans have bases that are very slightly curved up when cold (**Fig. 2.3**). If you hold a ruler across the bottom you will see a small gap in the middle. When they heat up the metal expands and lies flat on the cooking surface.

Make sure that the base of the pan is clean and dry to prevent any residue burning onto the hob panel. This also helps prevent scratches and deposits.

Always use pans that are the same size as (or slightly larger than) the areas marked on the hob. Using a lid will help the contents boil more quickly.



Take care when placing hot lids onto the hob surface. Lids that have been covering boiling or steaming foods can 'stick' to the ceramic glass. Should this occur, DO NOT attempt to lift the lid off the hotplate: this may damage the hob surface. Instead, slide the lid to the edge of the hob surface and remove.



Always take care before touching the surface, even when the hob is turned off. It may be hotter than you think!

The induction hob comprises of five cooking zones containing induction elements with different ratings and diameters (**Fig. 2.4**) each with a pan detector and residual heat indicator, and a hob control display.

The hob control display (**Fig. 2.5**) informs you of the following induction hob functions:

Pan detector

H Residual heat indicator

*R* Automatic heat-up

Child lock

L1/L2 Low temperature setting

P Power boost setting

#### Pan Detector, $\underline{\dot{}}$

**IMPORTANT:** After use, switch off the hob element by its control and DO NOT RELY on the pan detector.

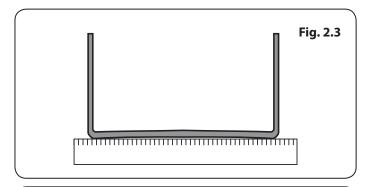
If a cooking area is switched on and there is no pan in place or if the pan is too small for the cooking area, then no heat will be generated. The symbol [\$\mathbb{L}\$] will appear on the hob control display; this is the "pan-missing symbol". Place a pan of the correct size on the cooking area and the [\$\mathbb{L}\$] symbol will disappear and cooking can begin. After 10 minutes without detecting a pan the cooking zone will switch off automatically.

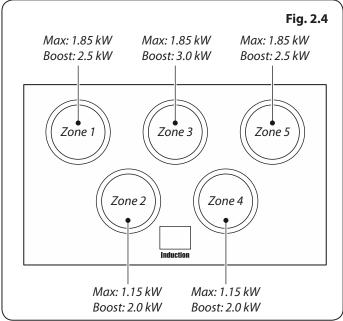
**Table 2.1** shows the minimum pan sizes recommended for each cooking zone.

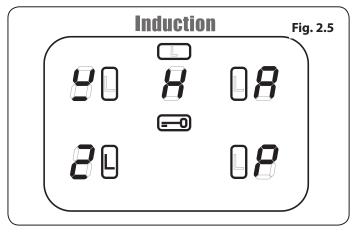
**Note:** Using pans with a base diameter smaller than those recommended will result in a power reduction.

#### Residual Heat Indicator, H

After use, a cooking zone will remain hot for a while as heat dissipates. When a cooking zone is switched off the residual heat indicator symbol [H], will appear in the display. This shows that the cooking zone temperature is above 60 °C and





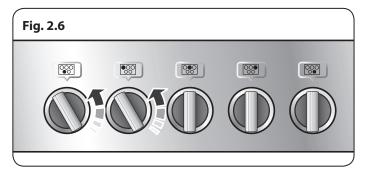


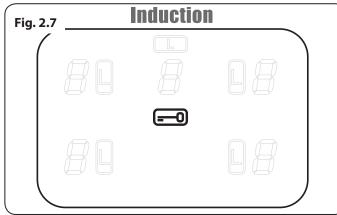
Cooking Zone	Minimum Pan Diameter (Pan Base) mm
Front left	120
Rear left	140
Centre	180
Rear right	140
Front right	140

Table 2.1

Power level	Automatic heat-up time at 100% (min:sec)
1	0:48
2	2:24
3	3:50
4	5:12
5	6:48
6	2:00
7	2:48
8	3:36
9	

Table 2.2





may still cause burns. Once the temperature has dropped to below  $60^{\circ}$ C the [H] will go out.

#### Automatic Heat-up, 8

This function is available on all of the cooking zones. It allows rapid heating up of the element to bring the selected cooking zone up to temperature. Once the zone is at the required cooking temperature the power level will reduce automatically to the preset level.

The function is selected by turning the control knob to the ' $\mathcal{B}$ ' position. This can be selected by turning the control knob momentarily counter-clockwise from the zero position until the symbol [ $\mathcal{B}$ ] is shown on the hob control display.

Once the [8] is displayed, turn the control knob to the level of your choice (1 to 9). The pan will heat up at 100% power for a specified time before the power is reduced to the level selected.

When the Automatic Heat-up function is activated, the hob control display will flash alternately between the [R] setting and the chosen power level.

Once the automatic heat-up time has ended the hob display will stop flashing and will show the chosen power level.

The Automatic Heat-up function can be stopped by either turning the control knob back to the "0" power setting or turning the control knob to the "9" power setting.

For your guidance **Table 2.2** shows the time available at 100% power depending on the power level selected in the Automatic Heat-up mode.

#### Child Lock, **=**<sup>□</sup>

To prevent the unwanted use by children, the hob can be locked.

**IMPORTANT:** This can only be activated when all the cooking zones are switched off.

To lock the hob, simultaneously turn the two left-hand controls counter-clockwise (Fig. 2.6) and hold until the symbol appears in the centre of the hob control display (Fig. 2.7)

**Note:** [8] will flash when locking the hob – this is normal.

Locking the hob will NOT affect the oven; it can still be used.

To unlock the hob, simultaneously turn the two left-hand controls counter-clockwise and hold until the symbol disappears from the centre of the hob control display.

#### **Low Temperature Setting, L1/L2**

Each cooking area is equipped with 2 low temperature settings:

- L1 will maintain a temperature of about 40 °C ideal for gently melting butter or chocolate.
- L2 will maintain a temperature of about 90 °C ideal for simmering (bring the pan to the boil and then select L2 to keep soups, sauces, stews, etc at an optimal simmer).

The maximum time this setting can be used is 2 hours, after which the hob will switch off automatically. If required, you

can immediately restart the Low Temperature function by reactivating L1 or L2.

#### Power Boost Setting, P

All of the induction cooking zones have Power Boost available, activated by turning the control knob clockwise until [P] is shown on the hob control display.

Power Boost allows additional power to be made available for each of the cooking zones. This is useful to bring a large pan of water to the boil quickly.

The Power Boost function operates for a maximum of 10 minutes on each zone, after which the power is automatically reduced to setting 9.

When using the Power Boost function, the cooking zones are linked.

Fig. 2.8 shows the hob layout. Zones A and B are linked together as are zones C, D and E.

This means that when using zone A on Power Boost and then switching zone B to power boost, then the power to zone A will reduce slightly. The last zone switched to Power Boost always takes priority. Zones C, D and E work in the same way.



#### **A** This is a built in safety device.

Deactivate the Power Boost function by turning the control knob to a lower setting.

#### **Overheat Function**

This function identifies when the temperature of the pan rises rapidly and works to maintain a safe level of pan temperature. It should not interfere with normal cooking.

Cookware with bases that become distorted (Fig. 2.2) when heated may interfere with the operation of the Overheat Function. This may result in damage to your cookware or Induction Glass Hob.



Please remember not to leave the hob unattended. Care should be taken to not allow your cookware to boil dry. Damage to your cookware and Induction Glass Hob may result.

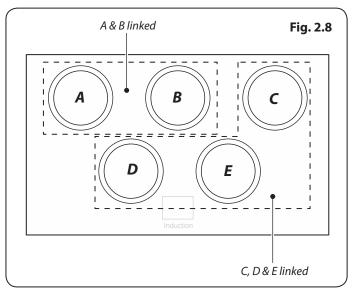
Please read and follow the manufacturers' instructions carefully before using cookware on your induction hob.

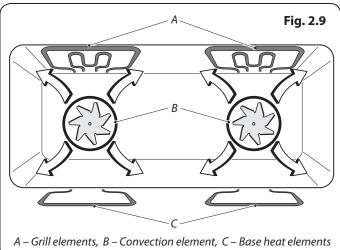
#### The Multifunction Oven

The oven is a multi-function oven (Fig. 2.9). As well as the oven fan and fan element, they are fitted with two extra heating elements, one visible in the top of the oven and the second under the oven base. Take care to avoid touching the top element and element deflector when placing or removing items from the ovens.

The multi-function oven has 3 main cooking functions: fan, fan assisted and conventional cooking. These functions should be used to complete most of your cooking.

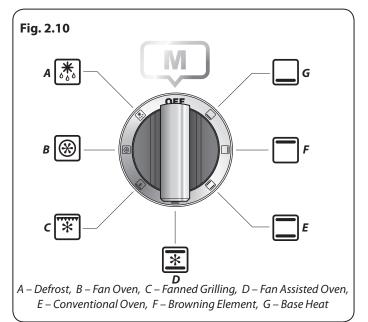
The **browning element** and **base heat** can be used in the latter part of the cooking process to fine tune the results to your particular requirements.





Function	Use
Defrost	To thaw small items in the oven without heat
Fan oven	A full cooking function, even heat throughout, great for baking
Fanned grilling	Grilling meat and fish with the door closed
Fan assisted	A full cooking function good for roasting and baking
Conventional oven	A full cooking function for roasting and baking in the lower half of the oven
Browning element	To brown and crisp cheese topped dishes
Base heat	To crisp up the bases of quiche, pizza or pastry

Table 2.3



Use **fanned grilling** for all your grilling needs and **defrost** to safely thaw small items of frozen food.

**Table 2.3** gives a summary of the multi-function modes.

The multi-function oven has many varied uses. We suggest you keep a careful eye on your cooking until you are familiar with each function. Remember, not all functions will be suitable for all food types.

#### Multifunction Oven Modes (Fig. 2.10) Defrost



This function operates the fan(s) to circulate cold air only. Make sure the temperature control is at 0°C and that no heat is applied. This enables small items such as desserts, cream cakes and pieces of meat, fish and poultry

to be defrosted. Defrosting in this way speeds up the process and protects

the food from contamination. Pieces of meat, fish and poultry should be placed on a shelf, over a tray to catch any drips. Be sure to wash the shelf and tray after defrosting.

Defrost with the oven door closed. Defrosting should not be carried out in a warm oven. Large items, such as whole chickens and meat roasts should not be defrosted in this way. We recommend this be carried out in a refrigerator.

Make sure that dairy foods, meat and poultry are completely defrosted before cooking.

#### **Fan Oven**



This function operates the fans and the heating element around them. An even heat is produced throughout the oven, allowing you to cook large

amounts quickly.

Fan oven cooking is particularly suitable for multi-shelf cooking and is a good 'all-round' function. It may be necessary to reduce the temperature by approximately 10 °C for recipes previously cooked in a conventional oven.

If you wish to preheat the oven, wait until the indicator light has gone out before inserting the food.

#### **Fanned Grilling**



This function operates the fan while the top element is on. It produces a more even, less fierce heat than a conventional grill. For best results place the food to

be grilled on the pan provided. Thick pieces of meat or fish are ideal for cooking in this way, as the circulated air reduces the fierceness of the heat from the grill. The oven door should be kept closed while cooking is in progress, so saving energy. You will also find that the food needs to be watched and turned less than for normal grilling. Preheat this function before cooking.

Note: When grilling full width, to allow sufficient access for tending foods we recommend placing the grill pan tray support on the second from top level.

#### **Fan Assisted Oven**

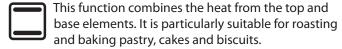


This function operates the fans, circulating air heated by the elements at the top and the base of the oven. The combination of fan and conventional cooking (top and base heat) makes this function ideal for

cooking large items that need thorough cooking, such as a large meat roast. It is also possible to bake on two shelfs at one time, although they will need to be changed over during the cooking time, as the heat at the top of the oven is greater than at the base, when using this function.

This is a fast intensive form of cooking; keep an eye on the food cooking until you are familiar with this function.

#### **Conventional Oven (Top and Base Heat)**



Food cooked on the top shelf will brown and crisp faster than on the lower shelf, because the heat is greater at the top of the oven than at the base, as in 'Fan assisted oven' function. Similar items being cooked will need to be swapped around for even cooking. This means that foods requiring different temperatures can be cooked together, using the cooler zone in the lower half of the oven and hotter area to the top.

The exposed top element may cook some foods too quickly, so we recommend that the food be positioned in the lower half of the oven to cook. The oven temperature may also need to be lowered.

#### **Browning Element**

This function uses the element in the top of the oven only. It is a useful function for the browning or finishing of pasta dishes, vegetables in sauce and lasagne, the item to be browned being already hot before switching to the top element.

#### **Base Heat**

This function uses the base element only. It will crisp up your pizza or quiche base or finish off cooking the base of a pastry case on a lower shelf. It is also a gentle heat, good for slow cooking of casseroles in the middle of the oven or for plate warming.

The Browning and Base Heat functions are useful additions to your oven, giving you flexibility to finish off items to perfection. With use, you will soon realise how these functions can combine to extend your cooking skills.

#### **Energy Saving Panel**

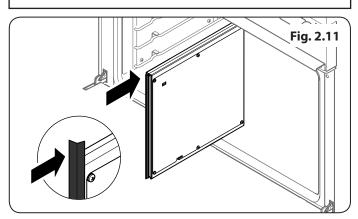
The oven has a divider feature (**Fig. 2.11**). With this in place only one half of the oven is heated and only the right-hand side elements are used. This saves energy and is ideal for cooking most foods. When using the divider, condensation may appear in the left-hand oven – this is normal.

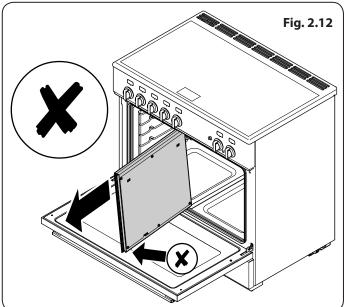
For very large loads, or large dishes for special occasions then the divider can be removed. This brings into use the elements on the left-hand side as well as those on the right when a function is selected.

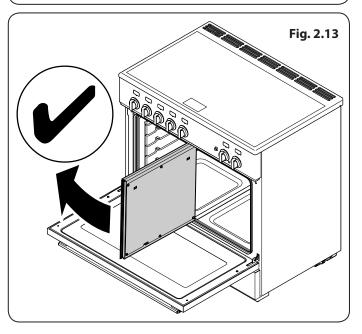
All oven functions are available in full and divided forms and shelves are provided for use in both forms.

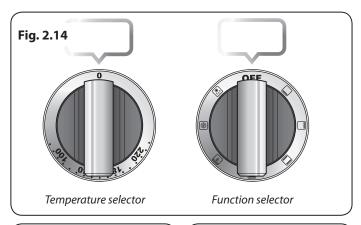
## A WARNING! A

Take great care when removing the divider NOT to scratch the inner glass door surface. Scratches in the glass can cause stress and may cause the door to fail.













#### Λ

#### **WARNING!**

Take great care when removing the divider NOT to scratch the inner glass door surface. Scratches in the glass can cause stress and may cause the door to fail.

#### **Removing the Divider**



Make sure the cooker is cool before attempting to remove the divider.

Fully open the door and remove the oven shelves. When removing the divider, tilt it slightly upwards and grip the underside to prevent the metal base making contact with the door glass (**Fig. 2.12** and **Fig. 2.13**).

**Note:** We recommend that you place a tea towel or similar on the door glass before removing the divider. This should prevent the door inner from scratching.

DO NOT place or slide metallic objects, including cookware, on the door glass as this may cause scratching and subsequent failure to occur.

#### **Operating the Oven**

The multi-function oven has two controls: a function selector and a temperature setting knob (**Fig. 2.14**).

Turn the function selector control to a cooking function. **Fig. 2.15** shows the control set for convectional oven cooking.

Turn the oven temperature knob to the temperature you need. The oven heating light will glow until the oven has reached the temperature you selected. It will then cycle on and off during cooking as the oven maintains the selected temperature (**Fig. 2.16**).

#### **Accessories**

#### **Oven Shelves**

Each oven is supplied with:

- Two full capacity shelves (Fig. 2.17)
- Grill pan tray support (Fig. 2.18)
- Two grill pans with trivets (Fig. 2.19)
- Three energy saving shelves (Fig. 2.20)
- Four ladder shelf supports (Fig. 2.21)
- And one divider (Fig. 2.22)

Any shelf can be fitted in any of the positions. The oven shelves are retained when pulled forward but can be easily removed and refitted.

#### To Remove and Refit the Ladder Shelf Supports

Lift the ladder support hooks out of the two locating holes in the oven side (or divider) before lifting the support clear of the bottom ladder restraint.

Refit by inserting the bottom of the ladder into the restraint before fitting the hooks through the locating holes.

#### To Remove and Refit the Shelves

Pull the shelf forwards until the back of the shelf is stopped by the shelf support (**Fig. 2.23**). Lift up the front of the shelf so the back of the shelf will pass between the supports and then pull the shelf forward (**Fig. 2.24**).

Refit in the reverse order, making sure to push it fully back.

#### **Oven Light**

Press the button to turn on the oven lights.

If one of the oven lights fail, turn off the range circuit breaker before you change the bulb. See the 'Troubleshooting' section for details on how to change an oven light bulb (Fig. 2.25).

#### Storage

The bottom drawer is for storing oven trays and other cooking utensils. The drawer can be removed completely for cleaning, etc.



It can get very warm, so do not store anything in it that may melt or catch fire.



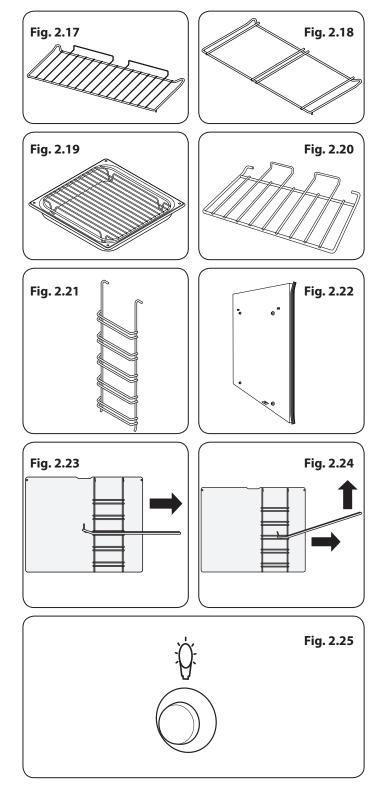
Never store flammable materials in the drawer. This includes paper, plastic and cloth items, such as cookbooks, plastic ware and towels, as well as flammable liquids.



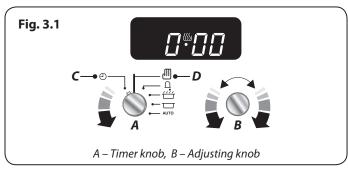
Do not store explosives, such as aerosol cans, on or near the appliance.

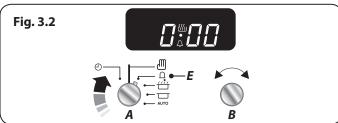


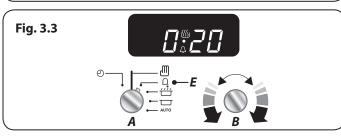
Flammable materials may explode and result in fire or property damage.

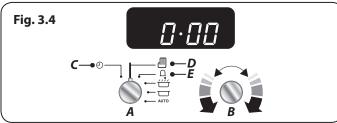


## 3. The Clock









The clock must be set to the time of day before the oven will work.

#### **Setting the Clock**

- **1.** Once the cooker is connected and switched on, the display will start to flash.
- 2. To set the time, turn the Timer (A) knob to the Clock (C) setting and back to the Manual (D) position. The centre dot will flash indicating the time can be set. Turn the Adjusting (B) knob either clockwise or counter-clockwise (Fig. 3.1) to set the time.
- **3.** Once you have set the time, allow the centre dot to stop flashing, the time is now set.

#### **Setting the Minute Minder**

A **Minute Minder (E)** is a feature that can be set for a number of minutes and sounds an alarm once the specified amount of time has elapsed.

- 1. Turn the **Timer (A)** knob to the **Minute Minder (E)** setting it should click into position **(Fig. 3.2)**.
- 2. Turn the **Adjusting (B)** knob to set the amount of time required. Minimum time 1 minute (Fig. 3.3).
- 3. Turn the **Timer (A)** knob back to the **Manual (D)** setting to see the current time and the **'Bell'** symbol on the display.

#### **Cancel the Timer Alarm**

Once the specified time has elapsed it will emit an alarm. There are two ways to cancel the alarm:

- **1.** Turn the **Adjusting (B)** knob counter-clockwise or clockwise **(Fig. 3.4)**.
- 2. Turn the Timer (A) knob to the Clock (C) or the Minute Minder (E) setting, and back to the Manual (D) mode, to return to normal cooking (Fig. 3.4).

#### NOTE

If the alarm is not manually switched off it will stop after approximately 2 minutes.

When the Minute Minder is active the clock will not dim between the hours of 10 pm and 6 am

#### To Stop the Oven at a Specific Time of Day

You have set the required temperature and function mode and you would like the oven to automatically stop.

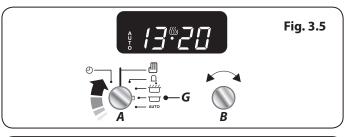
#### **TOP TIP**

Make a note of the current time so you do not forget.

- 1. Turn the **Timer (A)** knob to the **Stop Time (G)** setting. **'AUTO'** will show in the display **(Fig. 3.5)**.
- 2. Turn the **Adjusting (B)** knob to the amount of cooking time required. The display will show the current time plus the additional cooking time you have set **(Fig. 3.6)**.
- Turn the Timer (A) knob to the Auto (H) setting. The display will show the current time, the cooking symbol and the word 'AUTO' (Fig. 3.7).
- **4.** Once the specified time has elapsed it will emit an alarm and the oven will stop working. The cook pot symbol on the display will disappear and the word **'AUTO'** will flash **(Fig. 3.8)**.
- 5. When you return, turn the **Timer (A)** knob to the **Manual** (**D**) setting to return to manual cooking (**Fig. 3.8**).

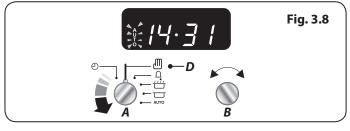
#### **TOP TIP**

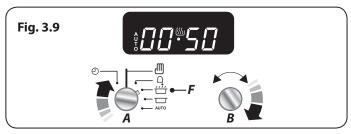
You can check how much time you have left, to the programmed stop time, by turning Timer (A) from Auto (H) to Stop Time (G) and back to Auto (H)

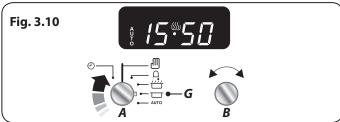


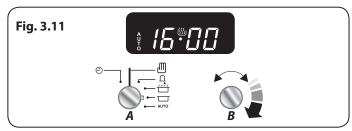


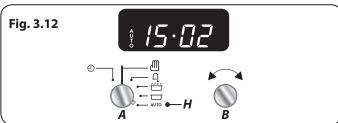


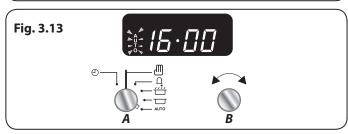


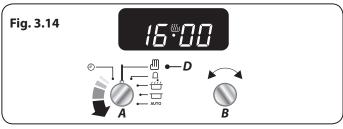


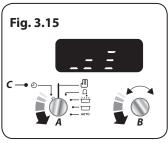


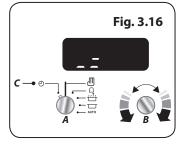












#### **To Start and Stop the Oven Automatically**

The timer allows you to automatically start and stop by a combination of the length of the cooking time and the stop time. Giving you the flexibility to cook casseroles etc while you are out. You cannot set the actual start time.

- 1. Turn the **Timer** (**A**) knob to the **Cook Time** (**F**) setting. Turn the **Adjusting** (**B**) knob clockwise to set the length of the cooking time required (**Fig. 3.9**).
- 2. Turn the **Timer (A)** knob to the **Stop Time (G)** setting **(Fig. 3.10)**. The display will show the current time of day plus the 'cook time' you just set.
- **3.** Turn the **Adjusting (B)** knob to set the time of day you want the oven to stop cooking **(Fig. 3.11)**.
- **4.** Set the oven to the required cooking temperature and function mode.
- 5. Turn the Timer (A) knob to the Auto (H) setting (Fig. 3.12). If the display shows the current time and the word 'AUTO' the oven is set to turn on and off.
- **6.** When the program starts the oven, the cooking symbol will appear on the display. Once the specified time has elapsed it will emit an alarm and the oven will stop working. The 'Cooking' symbol on the display will disappear and the word 'AUTO' will flash (Fig. 3.13).
- 7. Once the specified time has elapsed it will emit an alarm. There are two ways to cancel the alarm, refer to "Cancel the Timer Alarm" on page 14
  - The 'cook period', which is the length of time you want the oven to cook for.
  - The 'stop time', which is the time of day you want the oven to stop cooking.

#### **Reset to Manual Cooking**

To cancel any automatic settings turn the **Timer (A)** knob to the **Manual (D)** setting and release (**Fig. 3.14**).

**Note:** Whilst this operation cancels all automatic program settings, it does not cancel the minute minder.

#### **Beeper Tone Adjustment**

The beeper tone can be adjusted to three different levels.

Turn the **Timer (A)** knob to the **Clock (C)** setting. Turn the **Adjusting (B)** knob counter clockwise until the tone bars are displayed **(Fig. 3.15)**.

To adjust the tone of the alarm, release the **Adjusting (B)** knob and then turn counter clockwise again **(Fig. 3.16)**. The tone of the alarm will change. Repeat these steps until the desired alarm tone is set.

## 4. Cooking Tips

#### **Cooking with a Multifunction Oven**

Remember: not all modes are suitable for all food types. The oven cooking times given are intended for a guide only.

#### Tips on Cooking with the Timer

If you want to cook more than one dish, choose dishes that require approximately the same cooking time. However, dishes can be 'slowed down' slightly by using small containers and covering them with aluminium foil, or 'speeded up' slightly by cooking smaller quantities or placing them in larger containers.

Very perishable foods such as pork or fish should be avoided if a long delay period is planned, especially in hot weather.



DO NOT place warm food in the oven to be timed.



DO NOT use a timed oven that is already warm.

Whole poultry must be thoroughly defrosted before being placed in the oven. Check that meat and poultry are fully cooked before serving.

#### **General Oven Tips**

The wire shelves should always be pushed firmly to the back of the oven.

Baking trays with food cooking on them should be placed level with the front edge of the oven's wire shelves. Other containers should be placed centrally. Keep all trays and containers away from the back of the oven, as overbrowning of the food may occur.

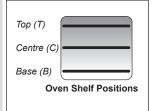
When the oven is on, do not leave the door open for longer than necessary, otherwise the knobs may get very hot.

- Always leave a "finger's width" between dishes on the same shelf. This allows the heat to circulate freely around them.
- To reduce fat splashing when you add vegetables to hot fat around a roast, dry them thoroughly or brush lightly with cooking oil.
- Where dishes may boil and spill over during cooking, place them on a baking tray.
- Sufficient heat rises out of the right-hand oven while cooking to warm plates in the left-hand oven.
- If you want to brown the base of a pastry dish, preheat the baking tray for 15 minutes before placing the dish in the centre of the tray.

## 5. Cooking Table

The oven control settings and cooking times given in the table below are intended to be used **AS A GUIDE ONLY**. Individual tastes may require the temperature to be altered to provide a preferred result.

Food is cooked at lower temperature in a fan oven than in a conventional oven. When using recipes, reduce the fan oven temperature by  $10\,^{\circ}$ C and the cooking time by 5-10 minutes. The temperature in the fan oven does not vary with height in the oven so you can use any shelf.



Conventional Oven Fan Oven
Temperature °C & Temperature

Food	(Shelf Position)	°C	Approximate Cooking Time	
Meat				
Beef (no bone)	160 (C)	150	30-35 minutes per 500g +30-35 minutes.	
	200 (C)	190	20-25 minutes per 500g +20-25 minutes.	<ul><li>cooking. Meat may be roasted at</li><li>220°C (210°C for fan oven) and the</li></ul>
Lamb	160 (C)	150	30-35 minutes per 500g +30-35 minutes.	cooking time adjusted accordingly.
	200 (C)	190	25-30 minutes per 500g +25-30 minutes.	For stuffed and rolled meats, add
Pork	160 (C)	150	35-40 minutes per 500g +35-40 minutes.	<ul><li>approximately 10 minutes per 500g,</li><li>or cook at 200°C (190°C) for 20</li></ul>
	200 (C)	190	25-30 minutes per 500g +25-30 minutes.	minutes then 160°C (150°C) for the
Poultry				remainder.
Chicken	160 (C)	150	20-25 minutes per 500g +20-25 minutes.	
	200 (C)	190	15-20 minutes per 500g +15-20 minutes.	at 200°C (190°C) for 20 minutes then 160°C (150°C) for remainder.
Turkey	160 (C)	150	20 minutes per 500g +20 minutes.	Do not forget to include the weight
	200 (C)	190	15 minutes per 500g +15 minutes.	of the stuffing.
Duck	160 (C)	150	25-30 minutes per 500g.	For fresh or frozen prepacked poultry, follow instructions on the
	200 (C)	190	20 minutes per 500g.	pack. Thoroughly thaw frozen
Casserole	140-150 (C)	130-140	2-4 hours according to recipe.	poultry before cooking.
Yorkshire pudding	220 (C)	210	Large tins 30-35 minutes; individual 10-2	0 minutes.
Fish				
Fillet	190 (C/B)	180	15-20 minutes.	
Whole	190 (C/B)	180	15-20 minutes per 500g.	
Steak	190 (C/B)	180	Steaks according to thickness.	
Cake				
Very rich fruit - Christmas,	140 (C/B)	130	45-50 minutes per 500g of mixture.	Using the conventional oven: when
wedding, etc.				two tier cooking leave at least one runner space between shelves.
Fruit 180 mm tin	150 (C/B)	140	2-2½ hours.	Position the baking tray with the
Fruit 230 mm tin	150 (C/B)	140	Up to 31/2 hours.	front edge along the front of the
Madeira 180 mm	160 (C/B)	150	80-90 minutes.	oven shelf.  If cooking a two tier load, the trays
Queen cakes	190 (C/B)	180	15-25 minutes.	should be interchanged
Scones	220 (C/B)	210	10-15 minutes.	approximately halfway though the cooking time.
Victoria sandwich				Cooking time.
180 mm tin	180 (C/B)	170	20-30 minutes.	Up to three tiers can be cooked in a
210 mm tin	180 (C/B)	170	30-40 minutes.	<ul> <li>fan oven at the same time but make sure to leave at least one runner</li> </ul>
Desserts				space between each shelf being
Shortcrust tarts	200 (C/B)	190	20-30 minutes on a preheated tray.	cooked on.
Fruit pies	200 (C/B)	190	35-45 minutes.	
Tartlets	200 (C/B)	190	10-20 minutes according to size.	
Puff pastry	230 (C/B)	220	20-40 minutes according to size.	
Meringues	100 (C/B)	90	2-3 hours.	
Baked egg custard	160 (C/B)	150	45-60 minutes.	
Baked sponge pudding	190 (C/B)	180	) 40-45 minutes.	
Milk pudding	140-150 (C/B)	130-140	2 to 3 hours.	
Bread	220 (C)	210	20-30 minutes.	

## 6. Cleaning Your Cooker

Isolate the electricity supply before carrying out any major cleaning. Allow the cooker to cool.



NEVER use paint solvents, washing soda, caustic cleaners, biological powders, bleach, chlorine based bleach cleaners, coarse abrasives or salt.



DO NOT mix different cleaning products – they may react together with hazardous results.

All parts of the cooker can be cleaned with hot soapy water – but take care that no surplus water seeps into the appliance. Remember to switch the electricity supply back on and reset the clock before reusing the cooker.



#### **Daily Care**

First of all make sure that all heat indicator lights are off and that the cooking surface is cool. Apply a small dab of ceramic cleaning cream in the centre of each area to be cleaned. Dampen a clean paper towel and work the cream onto the cooking surface. As a final step, wipe the cooking surface with a clean, dry paper towel.



For spills and boil-overs that occur while cooking, turn the unit off and wipe the area surrounding the hot zone with a clean paper towel. If a spill (other than a sugary substance) is on the hot zone, do not clean until the unit has completely cooled down, and then follow the instructions below ('Cleaning Burned-on Spills').

If you accidentally melt anything on the surface, or if you spill foods with a high sugar content (preserves, tomato sauce, fruit juice, etc.), remove the spill IMMEDIATELY with a razor scraper, while the unit is still hot.

## **IMPORTANT:** Use an oven glove to protect your hand from potential burns.

Scrape the major spill or melted material from the cooking zone and push into a cold area. Then, turn the unit 'OFF' and allow it to cool before cleaning further. After the cooking surface cools down and the heat indicator lights go off, follow the 'Daily Care' procedure outlined above.

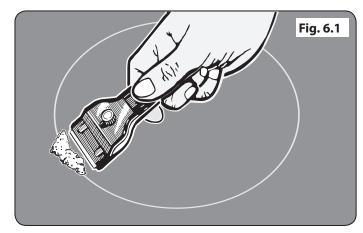
#### Cleaning Burned-on Spills

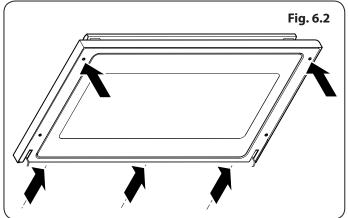
Make sure that the heat indicator lights are off and that the hob is cool. Remove the excess burned-on substance with a single-edged razor scraper. Hold the scraper at an angle of about 30° to the surface and then scrape off the burned-on matter (Fig.5-1).

#### **Oven and Divider**

Clean the oven and divider with a proprietary oven cleaner, suitable for enamel.

**IMPORTANT:** Before cleaning the divider make sure to remove the silicon sealing strip from the front edge – some oven cleaners can damage the seal. Remove the strip by gently pulling both ends to release the hooks holding it in place.





#### **Control Panel and Oven Doors**

Avoid using any abrasive cleaners including cream cleaners. For best results use liquid detergents. The control panel and control knobs should only be cleaned using a soft cloth wrung out in clean hot soapy water – but take care that no surplus water seeps into the appliance. Wipe with a clean dampened cloth then polish with a dry cloth. The oven doors should only be cleaned with a soft cloth wrung out in clean hot soapy water.

#### **Removing the Oven Door Outer Panel**

The outer door panel can be removed so that the inside of the glass can be cleaned. Open the door and remove the 2 screws in the inside face (**Fig.5-2**). With the door closed, remove the 3 screws in the underside of the door. Using the handle, carefully lift the door away. Refit in reverse.

#### **Cleaning Table**

Cleaners listed (**Table 5-1**) are available from supermarkets or electrical retailers as stated.

For enamelled surfaces use a cleaner that is approved for use on vitreous enamel.

Regular cleaning is recommended. For easier cleaning, wipe up any spillages immediately.

Hotplate			
Part	Finish	Recommended Cleaning Method	
Hob top	Enamel or stainless steel	Hot soapy water, soft cloth. Any stubborn stains remove gently with a nylon scourer.	
Ceramic/Induction hob	Toughened glass	Hot soapy water; cream cleaner/scourer if necessary.	
Griddle plate (some models only)	Non-stick surface	Allow to cool. Wash in hot soapy water. Do not use abrasive cleaners/scourers. Dishwasher.	
Warming zone (some models only)	Toughened glass	Hot soapy water, cream cleaner/scourer if necessary.	
Outside of Cooker			
Part	Finish	Recommended Cleaning Method	
Door, door surround and storage	Enamel or paint	Hot soapy water, soft cloth. Any stubborn stains, remove gently with a liquid detergent.	
drawer exterior	Stainless steel	E-cloth (electrical retailers) or microfibre all-purpose cloth (supermarket).	
Sides and plinth	Painted surface	Hot soapy water, soft cloth.	
Splashback/rear grille	Enamel or stainless steel	Hot soapy water, soft cloth. Cream cleaner, with care, if necessary.	
Control panel	Paint, enamel or stainless steel	Warm soapy water. Do not use abrasive cleaners on lettering.	
Control knobs/handles & trims	Plastic/chrome, copper or lacquered brass	Warm soapy water, soft cloth.	
	Brass	Brass polish.	
Oven door glass/glass lid (some models only)	Toughened glass	Hot soapy water, cream cleaner/scourer if necessary.	
Oven and Grill			
Part	Finish	Recommended Cleaning Method	
		Any proprietary oven cleaner that is suitable for enamel.	
Sides, floor & roof of oven <b>NOT</b> COOK & CLEAN OVEN PANELS (see below)	Enamel	CAUTION: CORROSIVE/CAUSTIC OVEN CLEANERS: FOLLOW MANUFACTURER'S INSTRUCTIONS.	
belowy		Do not allow contact with the oven elements.	
Cook & Clean oven panels (some models only)	Special enamel that partly cleans itself	This surface cleans itself at 200 °C and above, or the panels can be removed and washed with hot soapy water and a nylon brush.	
Oven shelves, Handyrack, grill trivet, Handygrill rack (some Chrome models only)		An oven interior cleaner that is suitable for chrome. Soap filled pad. Dishwasher.	
Grill pan/meat tin (some models only)	Enamel	Hot soapy water. Soap filled pad. Dishwasher.	

Table 6.1

## 7. Troubleshooting



▲ Interference with and repairs to the hob MUST NOT be carried out by unqualified persons. Do not try to repair the hob as this may result in injury and damage to the hob. Please arrange for repair by a suitably competent person.

Note: The induction hob is able to self-diagnose a number of problems and can show this information to the user via the hob control display. Error codes may be displayed if your hob has developed a fault.

If your appliance reports an error or is not working, you may be able to correct the fault by consulting the following.

#### Error code E2 is displayed

The electronic unit is too hot. Please check the installation of the cooker, making sure that there is sufficient ventilation. In extreme cases, if a cooking utensil has been allowed to boil dry this error code may also be displayed. If in doubt please contact your installer or a qualified repair engineer.

#### No display operation

Over voltage or loss of supply voltage to the cooker. If in doubt please contact your installer or a qualified repair engineer.

#### Error code U400 is displayed

The cooker has been incorrectly connected. The control will switch off after approximately 1 second and the error code will be permanently displayed.

Consult your installer or a qualified repair engineer.

#### Error code Er followed by a number is displayed

The appliance has developed an internal technical fault that cannot be rectified by the user.

Consult your installer or a qualified repair engineer.

#### The fuse blows or the RCD trips regularly

Please contact your installer or a qualified repair engineer.

#### The cooker will not switch on

Has the wiring system in the house blown a fuse or tripped an RCD?

Has the cooker been correctly connected to the mains supply?

Has the child lock been activated? Please refer to the child lock section for details of this function.

#### The induction hob is noisy

When using the induction hob there may be some 'noise' emitted from the pan. This is normal and may be most noticeable when cooking on high power settings or if 5 pans are used simultaneously. The type of pan may also contribute to induction 'noise'.

#### The cooling fan

The induction hob incorporates a cooling fan. This cooling fan is active when either the grill or the oven(s) are on. Under certain conditions, the cooling fan may remain active when the grill or oven(s) are switched off. This is normal and the fan will switch off automatically.

#### The fascia gets hot when I use the oven

If the fascia becomes excessively hot when the cooker is in use then the cooling fan may have failed. Should this occur please contact your installer, a qualified repair engineer or Customer Service to arrange for its repair.

#### A crack has appeared in the hob surface

Disconnect the cooker immediately from the power supply and arrange for its repair. Do not use the cooker until after the repair.

#### My hob is scratched

Always use the cleaning methods recommended in this guide, and make sure that the pan bottoms are smooth and clean.

Marks from mineral deposits from water or food can be removed with a cleaning cream. However, tiny scratches are not removable but will become less visible in time as a result of cleaning.

#### The oven fan is noisy

The note of the oven fan may change as the oven heats up – this is perfectly normal.

#### The knobs get hot when I use the oven . Can I avoid this?

Yes, this is caused by heat rising from the oven and heating them up. Do not leave the oven door open. Do not leave the oven door open.

#### If there is an installation problem and I don't get my original installer to come back to fix it, who pays?

You do. Service organisations will charge for their callouts if they are correcting work carried out by your original installer. Therefore, it's in your own interest to keep track of this installer so that you can contact them as required.

#### Food is cooking too slowly, too quickly, or burning

Cooking times may differ from your previous oven. Check that you are using the recommended temperatures and shelf positions – see the oven cooking guide. Then adjust the settings according to your own individual tastes.

#### The oven light is not working

The bulb has probably blown. You can buy a replacement bulb (which is not covered under the guarantee) from most electrical stores. Ask for an Edison screw fitting 15W 230V lamp, FOR OVENS (Fig. 7-1). It must be a special bulb, heat resistant to 300 °C.

Before removing the existing bulb, turn off the power supply and make sure that the oven is cool. Open the oven door and remove the oven shelves.

Locate the bulb cover and unscrew it by turning it counter-clockwise – it may be very stiff (Fig. 7-2).

Taking care to protect your fingers with a glove in case the bulb should shatter, unscrew the old bulb.

Screw in the new bulb clockwise and then screw the bulb cover back on. Turn on the electricity supply and check that the bulb now lights.

#### The oven is not cooking evenly

Do not use a baking tray with dimensions larger than those specified in the section on 'General Oven Tips'.

If you are cooking a large item, be prepared to turn it round during cooking.

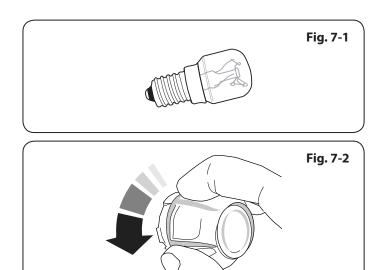
If two shelves are used, check that space has been left for the heat to circulate. When a baking tray is put into the oven, make sure that it is placed centrally on the shelf.

Check that the door seal is not damaged and that the door catch is adjusted so that the door is held firmly against the seal.

A dish of water when placed on the shelf should be the same depth all over. (For example, if it is deeper at the back, then the back of the cooker should be raised up or the front lowered.) If the cooker is not level, arrange for your supplier to level it for you.

#### Oven temperature getting hotter as the cooker gets older

If turning the temperature down using the oven control knob has not worked, or has only worked for a short time, then you may need a new thermostat. This should be fitted by a service person.



#### 8. Installation

#### **Dear Installer**

Before you start your installation, please complete the details below, so that, if your customer has a problem relating to your installation, they will be able to contact you easily.

Installer's Name
Installer's Company
Installer's Telephone Number
Appliance Serial Number

## **Safety Requirements and Regulations**

You must be aware of the following safety requirements & regulations.



This cooker must be installed in accordance with the relevant instructions in this booklet, with the relevant national and local regulations, and with the local electricity supply companies' requirements.



The appliance must be installed in accordance with the regulations in force and only in a well ventilated space.



Read the instructions before installing or using this appliance.

#### **Provision of Ventilation**

This appliance is not connected to a combustion products evacuation device. Therefore, particular attention must be given to the relevant requirements regarding ventilation.

All rooms require a window that can be opened, or equivalent, while some rooms require a permanent vent in addition to the window.

#### **Location of Cooker**

The cooker may be installed in a kitchen/kitchen diner but NOT in a room containing a bath or shower.

This appliance is designed for domestic cooking only. Use for any other purpose could invalidate any warranty or liability claim.

## You will need the following equipment to complete the cooker installation satisfactorily:

- Stability bracket may be installed.
   This is not supplied with the cooker but is available at most builders' merchants.
- Multimeter (for electrical checks).
- Allen keys (provided in pack).

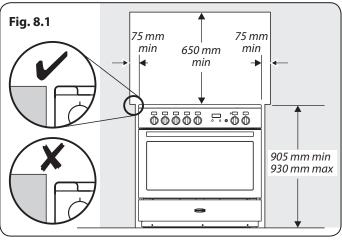
#### You will also need the following tools:

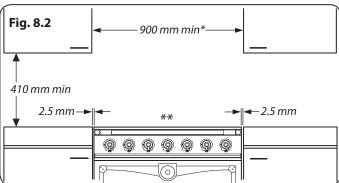
- Electric drill
- **2.** Masonry drill bit (only required if fitting the cooker on a stone or concrete floor)
- **3.** Wall plugs (only required if fitting the cooker on a stone or concrete floor)
- **4.** Steel tape measure
- **5.** Cross head screwdriver
- **6.** Flat head screwdriver
- 7. 4 mm & 3 mm Allen keys
- 8. Spirit level
- 9. Pencil
- 10. Adjustable spanner
- 11. Screws for fitting stability bracket
- 12. 13 mm spanner or socket wrench

#### Checking the parts:

Full capacity shelf	Grill pan tray support
2 grill pans and trivets	2 energy saving shelves
Divider	Plinth
	A A A

#### **INSTALLATION** Check the appliance is electrically safe when you have finished.





#### **Positioning the Cooker**

The diagrams show the minimum recommended distance from the cooker to nearby surfaces (Fig. 8.1 and Fig. 8.2).

The cooker should not be placed on a base.

The hotplate surround should be level with, or above, any adjacent work surface. A gap of 75 mm should be left between each side of the cooker **ABOVE** the hotplate level and any adjacent vertical surface.

For non-combustible surfaces (such as unpainted metal or ceramic tiles) this can be reduced to 25 mm.

A minimum space of 650 mm is required between the top of the hotplate and a horizontal combustible surface.

\*Any cookerhood should be installed in accordance with the hood manufacturer's instructions.

\*\*Any splashback must be fitted in accordance with the manufacturers instructions. Allowance should be made for the additional height of the flue trim, which is fitted to the cooker

Surfaces of furniture and walls at the sides and rear of the appliance should be heat, splash and steam resistant. Certain types of vinyl or laminate kitchen furniture are particularly prone to heat damage and discolouration. We cannot accept responsibility for damage caused by normal use of the cooker to any material that de-laminates or discolours at temperatures less than 65 °C above room temperature.

We recommend a gap of 905 mm between units to allow for moving the cooker. If a flush fit is required, fit the cooker up to the unit at one side then fit the unit the other side.

DO NOT box the cooker in – it must be possible to move the cooker in and out for cleaning and servicing.

If the cooker is not installed between units, a side panel extension that closes the gap to the wall at the rear is available as an optional extra kit.

## **Moving the Cooker**



On no account try and move the cooker while it is plugged into the electricity supply.



The cooker is very heavy, so take great care.

We recommend two people manoeuvre the cooker. Make sure that the floor covering is firmly fixed, or removed to prevent it being disturbed when moving the cooker around. To help you, there are two levelling rollers at the back and two screw-down levelling feet at the front.

#### INSTALLATION

Check the appliance is electrically safe when you have finished.

#### **Removing the Oven Door**

To remove the oven door, open the door fully. Swivel the locking 'U' clips forward to the locking position **(Fig. 8.3)**. Grip the sides of the door, lift upwards and then slide the door forwards **(Fig. 8.4)**.

#### **Lowering the Two Rear Rollers**

To adjust the height of the rear of the cooker, first fit a 13 mm spanner or socket wrench onto the hexagonal adjusting nut (Fig. 8.5). Rotate the nut – clockwise to raise – counterclockwise to lower.

Make 10 complete (360°) turns clockwise.

Make sure you lower BOTH REAR ROLLERS.

#### **Completing the Move**

Unfold the rear edge of the cardboard base tray. Grip the fascia panel and lift the front of the cooker slightly (Fig. 8.6).

Carefully push the cooker backwards off the pack base. Remove the pack base. Position the cooker close to its final position, leaving just enough space to get behind it.



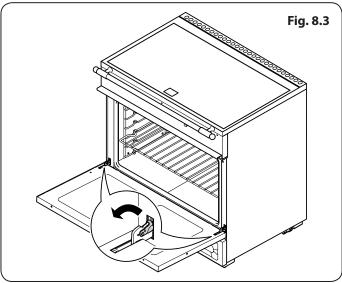
DO NOT use the control knobs to manoeuvre the cooker.

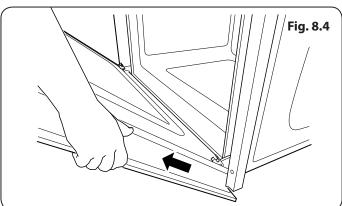
#### Levelling

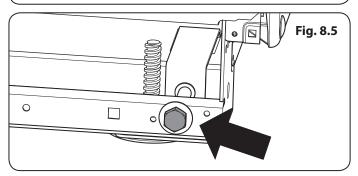
You are recommended to use a spirit level on a shelf in one of the ovens to check for level.

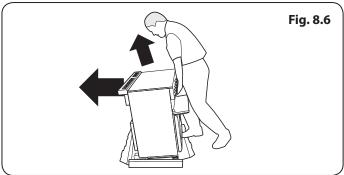
Place the cooker in its intended position, taking care not to twist it within the gap between the kitchen units as damage may occur to the cooker or the units.

The front feet and rear rollers can be adjusted to level the cooker. To adjust the height of the rear of the cooker turn the adjusting nuts at the front bottom corners of the cooker. To set the front feet turn the bases to raise or lower.

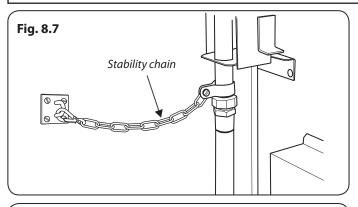


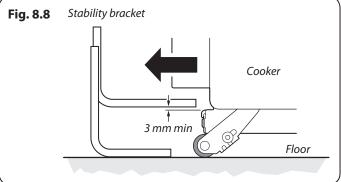


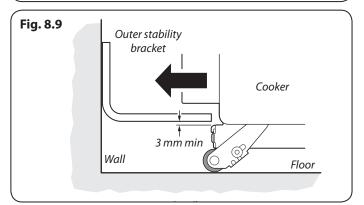




## INSTALLATION Check the appliance is electrically safe when you have finished.







#### **Fitting the Stability Bracket or Chain**

Unless otherwise stated, a cooker using a flexible gas connector must be secured with a suitable stability device.

Suitable stability devices are shown in **Fig. 8.7**, **Fig. 8.8** and **Fig. 8.9**.

If you are using a stability chain (**Fig. 8.7**) then the chain should be kept as short as is practicable and fixed firmly to the rear of the cooker.

If you are using a stability bracket (**Fig. 8.8** and **Fig. 8.9**), then adjust the bracket to give the smallest practicable clearance between the bracket and the engagement slot in the rear of the cooker.

Fit the bracket so that it engages as far as possible over the chassis of the cooker.

#### INSTALLATION

Check the appliance is electrically safe when you have finished.

#### **Electrical Connection**

The cooker must be installed by a qualified electrician, in accordance with all relevant British Standards/Codes of Practice (in particular BS 7671), or with the relevant national and local regulations.



#### WARNING: THE APPLIANCE MUST BE EARTHED.

**Note:** The cooker must be connected to the correct electrical supply as stated on the voltage label on the cooker, through a suitable cooker control unit incorporating a double-pole switch, having a contact separation of at least 3 mm in all poles.



## The cooker MUST NOT be connected to an ordinary domestic power point.

Access to the mains terminal is gained by removing the electrical terminal cover box on the back panel. Connect the mains cable to the correct terminals for your electrical supply type (**Fig. 8.10** and **Fig. 8.11**). Check that the connections are correctly fitted and that the terminal screws are tight. Secure the mains cable using the cable clamp.

## Repositioning the Cooker Following Connection

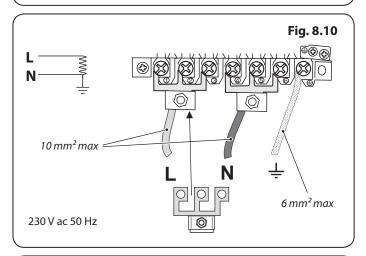
If you need to move the cooker once it has been connected, make sure it is isolated at the electrical supply before gripping under the fascia panel and lifting the front of the cooker slightly (**Fig. 8.6**). Check behind the cooker to make sure that the electricity cable is not caught. As you progress, always make sure that the cable has sufficient slack to allow the cooker to move.

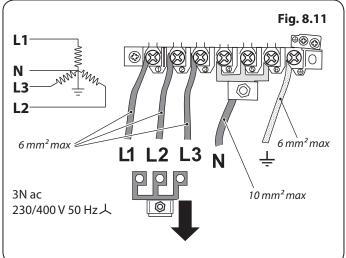
When you replace the cooker, check behind it again once more to make sure that the electricity cable is not caught or trapped.

#### **Current Operated Earth Leakage Breakers**

The combined use of your cooker and other domestic appliances may cause nuisance tripping, so we recommend that the cooker is protected on an individual RCD (Residual Current Device) or RCBO (Residual Current Breaker with Overload).

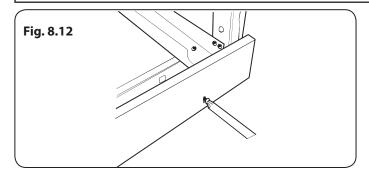
IF IN DOUBT, PLEASE CONSULT A SUITABLY QUALIFIED ELECTRICIAN.





#### **INSTALLATION**

Check the appliance is electrically safe when you have finished.



#### **Final Checks**

#### **Hob Check**

Check each cooking zone in turn. Be sure to use pans of the correct size and material.

#### **Oven Check**

**Note:** Make sure you have set the clock (see 'Section 2').

Turn on the oven. Check that the oven fans start to turn and it starts to heat up. Check that the oven lights are working.

Turn off the oven.

**Note:** The oven light bulb is not included in the guarantee.

#### **Final Fitting**

#### **Fitting the Plinth**

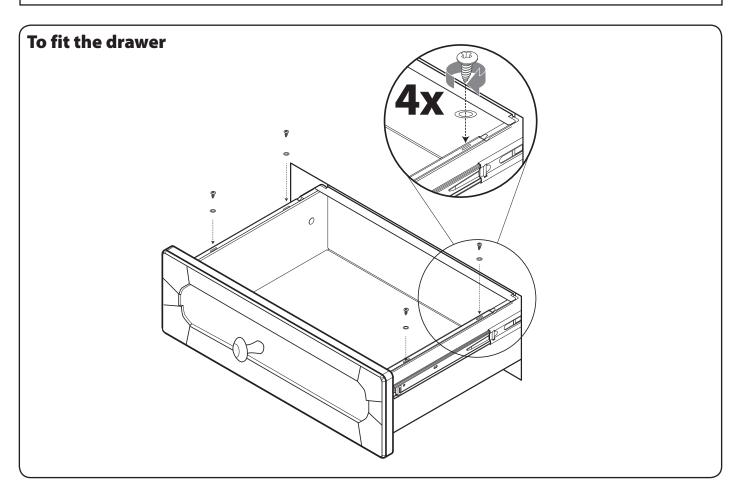
Remove the 3 screws for the plinth mounts along the front bottom edge of the range (**Fig. 8.12**). Fasten the plinth using these screws (alternative colour screws can be found in the loose parts pack).

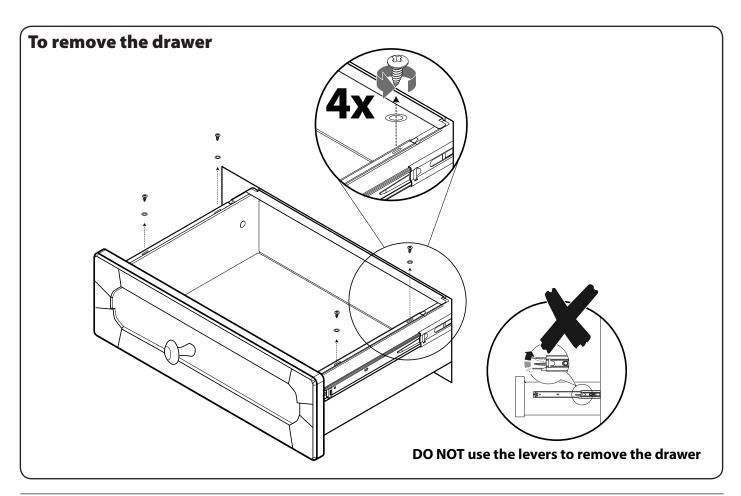
#### **Customer Care**

Please complete your details in this guide, inform the user how to operate the cooker and hand over the Instructions.

Thank you.

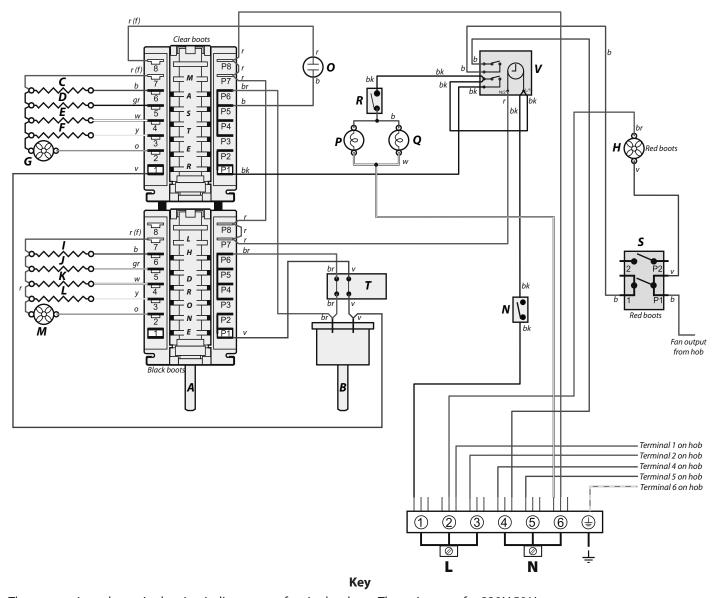
INSTALLATION
Check the appliance is electrically safe and gas sound when you have finished.





## 9. Circuit Diagram

## **Oven**



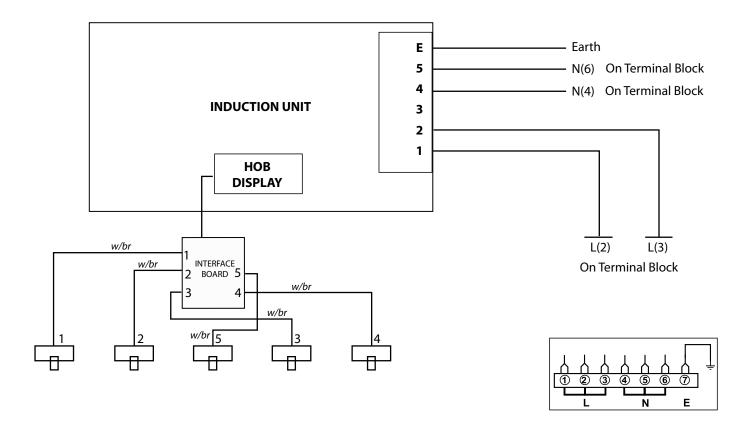
The connections shown in the circuit diagram are for single-phase. The ratings are for 230 V 50 Hz.

Code	Description	
Α	Function controller	
В	Temperature controller	
С	Right-hand bottom element	
D	Right-hand top element (outer)	
E	E Right-hand top element (inner)	
F	Right-hand fan element	
G	Right-hand fan	
Н	H Cooling fan	
I	Left-hand bottom element	
J	Left-hand top element (outer)	
К	Left-hand top element (inner)	

Code	Description
L	Left-hand fan element
М	Left-hand fan
N	Thermostat protection
0	Oven neon
P	Oven light
Q	Oven light
R	Oven light switch
S	Thermostat front switch
Т	Divider switch
V	Timer

Code	Colour
ь	Blue
br	Brown
bk	Black
or	Orange
r	Red
v	Violet
w	White
<b>y</b> Yellow	
g/y Green/yellow	
gr	Grey
r(f)	Red (flag)

## **Induction Hob**



Code	Description	
1	Left-hand front element	
2	2 Left-hand back element	
3	Right-hand back element	
4	Right-hand front element	
5	Centre element	

Code	Colour
w/br	White or brown

## 10. Technical Data

**INSTALLER:** Please leave these instructions with the user.

**DATA BADGE LOCATION:** Inside base drawer of cavity. Remove the drawer.

**COUNTRY OF DESTINATION: GB, IE.** 

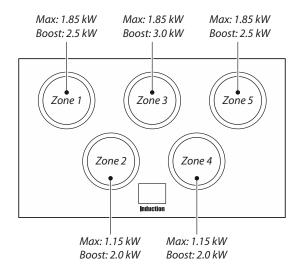
#### **Connections**

Electric	230/400V~50 Hz 3N
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#### **Dimensions**

Model	Professional+ FX 90 Induction		
Overall height	minimum 905 mm	maximum 930 mm	
Overall width	900 mm		
Overall depth	608 mm excluding handles, 645 mm including handles		
Minimum height above the hotplate	650 mm		

#### **Hotplate Ratings**



#### **Hotplate energy saving tips**

Use cookware with a flat base.

Use the correct size cookware.

Use cookware with a lid.

Minimise the amount of liquid or fat.

When liquid starts boiling, reduce the setting.

#### Oven energy saving tips

Cook meals together, if possible.

Keep the pre-heating time short.

Do not lengthen cooking time.

Do not open the oven door during the cooking period.

Do not forget to turn the appliance off at the end of cooking.

## **Hotplate Efficiency Data**

Brand	Rangemaster	
Model Identification	Professional+ FX	
Size	90 Single Cavity	
Туре	Induction	

Type of Hob	Induction
Number of electric zones	5
Zone 1 - Ø cm	18.5
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	172
Zone 2 - Ø cm	15.5
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	180
Zone 3 - Ø cm	18.5
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	172
Zone 4 - Ø cm	15.5
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	180
Zone 5 - Ø cm	18.5
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	172
Zone 6 - Ø cm	-
Heating Technology	
Energy Consumption (ECElectric cooking) - Wh/kg	-
Energy Consumption (ECElectric hob) - Wh/kg (*)	175

Information marked thus (\*) is not required with mixed fuel hobs

## **Oven Data**

Brand	Rangemaster		
Model identification		Professional+ FX	
Type of oven		Electric	
Mass	kg	119	
Number of cavities		1	
Single Cavity Efficiency			
Fuel type		Electric	
Cavity type *Drop Down Door		Multifunction*	
Power - conventional		2.75	
Power - forced air convection		3.3	
Volume	Litres	114	
Energy consumption (electricity) - conventional	kWh / cycle	1.16	
Energy consumption (electricity) - forced air convection	kWh / cycle	1.03	
Energy efficiency index - conventional		112.8	
Energy efficiency index - forced air convection		100.1	
Energy class		A	

Additional Information			
The oven complies with EN 60350-1			
Maximum output @ 230V 50Hz	Full	Divided	
Fan element	3.31 kW	1.65 kW	
Top element	3.49 kW	1.75 kW	
Browning element	2.11 kW	1.06 kW	
Bottom element	1.38 kW	0.69 kW	

Maximum total electrical load at 230 V (approximate total including hob, oven lights, oven fan, etc.) 11.45 kW
--

Name of Appliance & Colour*				
Appliance Serial Numb	oer*			
Fuel Type*	Natural Gas  Dual Fuel		LP Gas	
Retailer's Name & Ado			LICCUITO	
Date of Purchase				
Installer's Name & Add	dress			
Installer's Telephone N	lumber			
Date of Installation				
*This information is on the appliance data badge - look in the appliance instructions to find out where the data badge is located.				

#### **CONSUMER SERVICE**

If you have any product enquiries, or in the event of a problem with your appliance once it has been installed, please telephone 0800 804 6261 or 0370 789 5107 from a mobile.

#### CONSUMER SERVICE LINES OPEN:

Monday to Thursday 8am-6pm Friday 8am-5pm Saturday 9am-1pm

#### **WARRANTY**

Your manufacturer warranty covers goods of our own brand for defective workmanship and materials for a period of 1 year from the date of purchase. This warranty covers mechanical breakdown and proven cosmetic and manufacturing defects.

You will receive an additional FREE full 12 months guarantee by registering your purchase using the FREEPOST form provided. Alternatively, call free on 0800 587 5747, quoting reference RMGX57A, or register online at www.rangemaster.co.uk.

Any damage, blemishes or chips identified upon receipt of the product must be reported within 90 days – proof of purchase may be required to establish validity. Scratches on the surface of ceramic hobs must be reported within 14 days. Scratches caused by usage are not covered. Accidental damage is not covered by the manufacturer's warranty.

## For warranty compliance, the requirements are that the appliance:

- Has been correctly installed in accordance with current legislation, relevant British and European Standards and Codes of Practice, by a suitably competent person registered with Gas Safe or equivalent body and, where applicable, a qualified electrician.
- Has been used solely for domestic cooking purposes.
- If in use in the UK\*, has not been taken abroad as a personal export. (In the Republic of Ireland conditions may vary, so consult your retailer.)
- Is not second-hand or a refurbished appliance. The manufacturer's warranty is not transferable.
- Has not been subject to misuse, accidental damage or modification, and has not deteriorated due to normal domestic wear and tear, and the manufacturer's recommendations concerning cleaning materials have been followed.
- Has not been repaired by persons or organisations other than those authorised to act on behalf of AGA Rangemaster.

#### **Exceptions:**

- Items not included under the free 1 year guarantee include pan supports, griddles, wok rings, baking trays, grill pans, trivets, filters, light bulbs and other consumable accessories.
- Any damage caused other than through normal use.
- Breakdowns associated with cooking spillage.
- Cosmetic deterioration deemed to be normal wear and tear.

#### This warranty is in addition to your Statutory Rights.

Only certain models can be adapted for use with Mains Gas supplied in the Channel Islands and Isle of Man.

#### **OUT OF WARRANTY**

We recommend that Rangemaster appliances are serviced regularly throughout their life to maintain optimum performance and efficiency. Service work should only be carried out by technically competent and suitably qualified personnel.

.....

For your own safety, always make sure that work is carried out by a Gas Safe registered engineer for gas appliances or an approved electrician for electrical models.

For a competetive quote and to arrange for a Rangemaster approved engineer to attend, call Consumer Services on: 0800 804 6261 or 0370 789 5107 from a mobile.

#### **SPARE PARTS**

To maintain optimum and safe performance, we recommend that only genuine Rangemaster spare parts are used. These are available from most major spares stockists, including ourselves.

••••••

Contact Consumer Services on 0800 804 6261 or 0370 789 5107 from a mobile, who will be happy to help.

#### **STANDARDS**

Rangemaster cookers are designed and manufactured to a recognised international quality standard, which meets the requirements of BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 for continually improving environmental procedures.

Rangemaster cookers comply with the essential requirements of the appropriate European Directives, and carry the CE mark.

## Designed to impress

## The Co-ordinating Collection.

• Refrigeration • Sinks & Taps • Hoods & Splashbacks • Built-in Cooking • Dishwashing





Built from experience

Clarence Street Royal Leamington Spa Warwickshire CV31 2AD England

Consumer Services: +44 (0)800 804 6261 or (0)370 789 5107 from a mobile.

Fax: +44 (0)1926 450526

E-mail: consumers@agarangemaster.co.uk

www.rangemaster.co.uk

For UK Trade Enquiries Tel: +44 (0)115 946 4000

Fax: +44 (0)115 973 6602

E-mail: sales@agarangemaster.co.uk

For ROI Enquiries Tel: 1850 302 502

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Registered Office: Juno Drive, Leamington Spa, Warwickshire, CV31 3RG

**AGA** RANGEMaster







