

Classic LXRS & RS 245P- 255P

User's Instructions

Wall Mounted, Balanced Flue Gas Boilers

Propane Gas Models

Deluxe G.C. Appliance No.

Classic LXRS 245 P 41 387 37

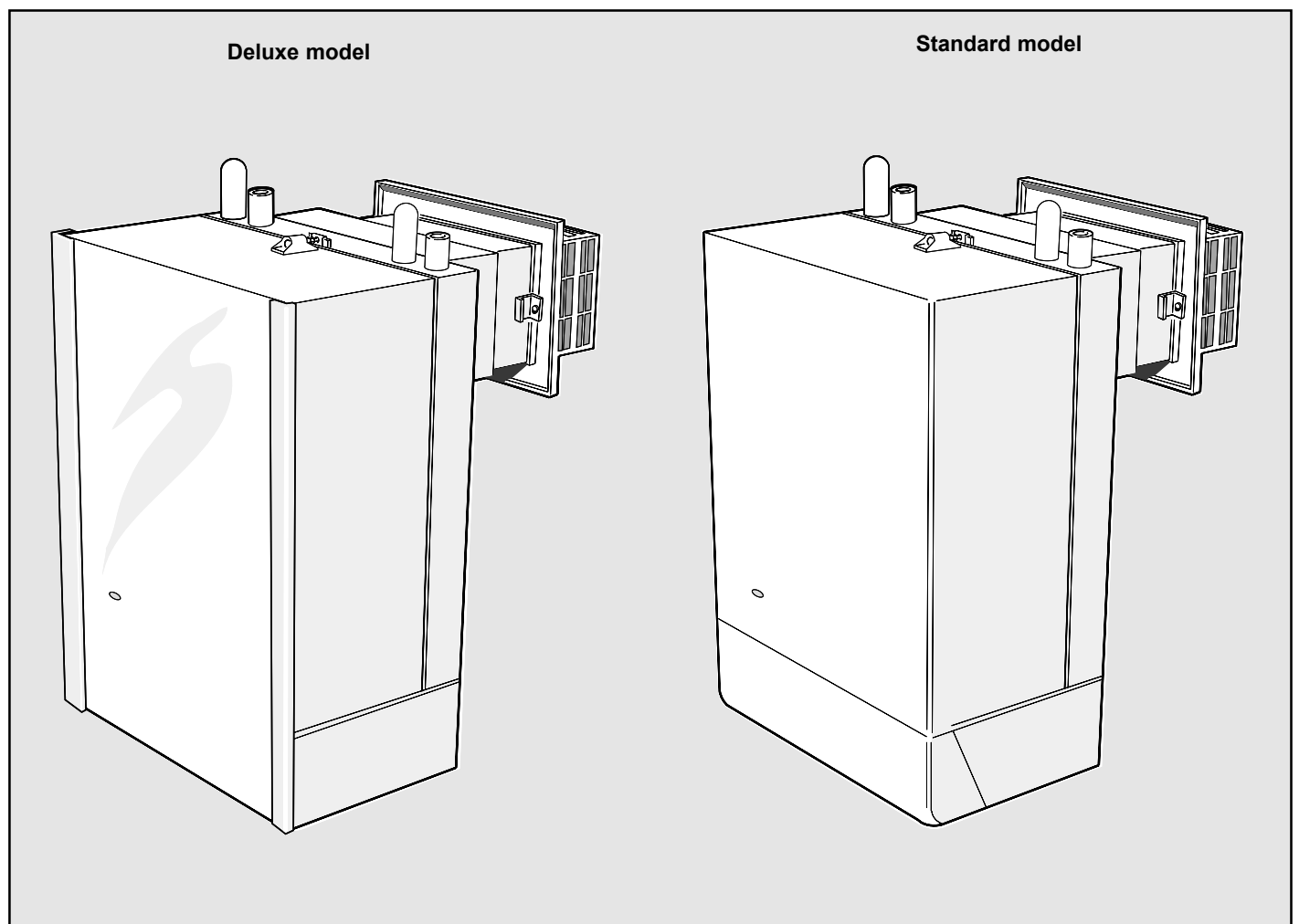
Classic LXRS 255 P 41 387 38

Standard

Classic RS 245 P 41 387 14

Classic RS 255 P 41 387 15


G.C. Appliance No.



CAUTION. To avoid the possibility of injury during the installation, servicing or cleaning of this appliance care should be taken when handling edges of sheet steel components.

ideal BOILERS

Gas Safety (installation and use) Regulations, 1994, amendments 1996 or rules in force.

It is law that **all** gas appliances are installed by a CORGI registered installer (identified by ) in accordance with the above regulations.

Failure to install appliances correctly could lead to prosecution. It is in your own interest, and that of safety, to ensure the law is complied with.

It is essential that the instructions in this booklet are strictly followed, for safe and economical operation of the boiler.

ELECTRICITY SUPPLY

This appliance must be efficiently earthed.

This appliance requires 230 V ~ 50 Hz.

This appliance must be connected to the supply via a double pole switch, fused at 3 Amps, having a 3mm (1/8") contact separation in both poles, serving only the boiler and system controls.

MINIMUM CLEARANCES

The minimum clearances given below **MUST** be complied with in order to maintain the safe running of the boiler and to facilitate servicing.

Above the boiler	100 mm	(4")
At each side of the boiler	5 mm	(1/4")
Underneath the boiler	100 mm	(4")
In front of the boiler	450 mm	(17 3/4")

IMPORTANT NOTES

- THIS APPLIANCE MUST NOT BE OPERATED WITHOUT THE CASING CORRECTLY FITTED AND FORMING AN ADEQUATE SEAL.
- If the boiler is installed in a compartment then the compartment **MUST NOT** be used for storage purposes.
- The ventilation provided for the boiler during installation **MUST NOT** be blocked and a check should be made periodically that the ventilation areas are free from any obstruction.
- If it is known or suspected that a fault exists on the boiler then it **MUST NOT** be used until the fault has been corrected by a CORGI registered installer.

TO LIGHT THE BOILER. Refer to Frame 1

- CHECK THAT THE ELECTRICITY SUPPLY TO THE BOILER IS OFF.
- Deluxe Model (LX)** - Lift the glass fascia and support with the sliding catch.
Standard Model - Open the controls access door by hinging downwards.

- Ensure that the gas inlet cock (E) is OPEN.
- Ensure that the boiler thermostat knob (C) is in the OFF (0) position.
- Turn the gas control knob (A) to the RIGHT until resistance is felt, then release it. **WAIT FOR 3 MINUTES**
- Push in the gas control knob (A) and hold it depressed. Push in and release the igniter button (D) repeatedly until the pilot flame can be seen through the sightglass (B). When the pilot has lit, continue to press in the gas control knob for a further 15 seconds.
- Should the pilot go out at this or any other stage turn the gas control knob (A) to the RIGHT.
WAIT FOR 3 MINUTES then repeat instruction 6, but wait for longer than 15 seconds before releasing the gas control knob (A).
- Switch ON the electricity supply to the boiler. Check that all external controls, e.g. room thermostat etc., are ON.
- Turn the boiler thermostat knob (C) to position 6 and the boiler will light. Set the boiler thermostat to the desired position.

10. Deluxe Model (LX) - Lower the glass fascia after pushing in the sliding catch.

Standard Model - Close the controls access door.

In **winter conditions**, i.e. central heating and domestic hot water, the thermostat should be set at position '5' or '6'.

For **summer conditions**, i.e. domestic hot water only, the thermostat should be set at position '3'.

These settings, however, are offered for general guidance only and other settings may be found preferable, dependent upon the type of system installed or as recommended by the installer.

Approx. flow temperatures for the boiler thermostat settings are:

Knob Setting	Flow Temperature	
	°C	°F
1	56	133
2	61	142
3	66	152
4	72	161
5	77	170
6	82	180

TO SHUT DOWN THE BOILER

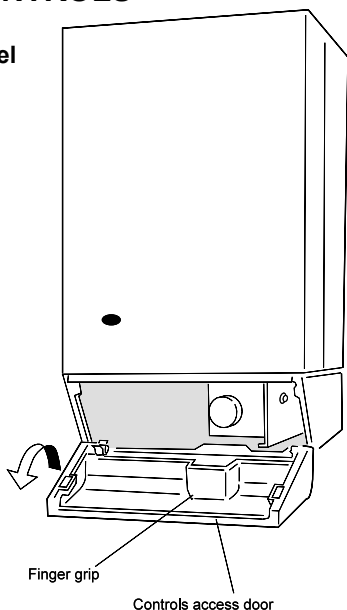
- For short periods:**
Turn the boiler thermostat knob to OFF. When heating is again required, restore the knob to its original settings.
- For longer periods:**
Turn the boiler thermostat knob to OFF. Turn the gas control knob (A) to the right until resistance is felt then release it to extinguish the pilot burner. Switch the electricity supply to OFF.

THE LOG BOOK SHOULD BE COMPLETED AFTER EACH SERVICE AND KEPT WITH THESE INSTRUCTIONS

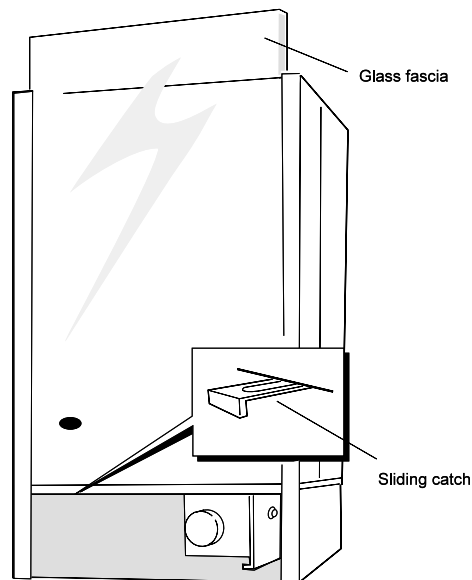


1 BOILER CONTROLS

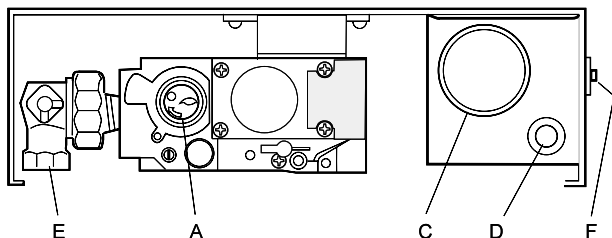
Standard Model



Deluxe Model



BOILER CONTROLS



View inside the boiler controls area

LEGEND

- A Gas control knob
- B Sightglass
- C Thermostat knob
- D Igniter button
- E Gas inlet cock (shown in the OPEN position)
- F Overheat thermostat reset button (if fitted)

WARNING. If no frost protection is provided and frost is likely during a short absence from home, leave the heating controls at a reduced temperature setting.

For longer periods, the entire system should be drained - including the domestic water supply. If the system includes a frost thermostat then, during cold weather, the boiler should be turned OFF at the time switch(es) ONLY. The mains supply should be left switched ON, with the boiler thermostat left in the normal running position.

BOILER OVERHEAT THERMOSTAT (If fitted)

The boiler is fitted with a safety 'cutout' thermostat. This thermostat will extinguish the pilot and shut down the boiler in the event of overheating. Should this occur allow the boiler to cool, press the reset button (F) then relight as detailed in steps 1-10 in 'To light the boiler'.

If the cutout condition still persists then turn off the boiler and consult a CORGI registered installer.

CONTROL OF WATER TEMPERATURE

1. Adjust the boiler thermostat (C) to give the required temperature for central heating.
2. The boiler thermostat automatically switches the main burner OFF and ON to maintain the selected temperature. The pilot burner remains alight continuously to give re-ignition of the main burner.

TO RELIGHT THE BOILER

Repeat the procedure 1 - 10, detailed in 'To light the boiler'.

LOSS OF SYSTEM WATER PRESSURE

Standard boilers fitted with Classic Sealed System Units only

If the red arrow on the module pressure gauge is set above zero and the system pressure is seen to fall below this value over a period of time then a water leak is indicated. In this event a CORGI registered installer should be consulted.

DO NOT OPERATE THE BOILER IF THE PRESSURE HAS REDUCED TO ZERO FROM THE ORIGINAL SETTING.

ESCAPE OF GAS

Should a gas leak be suspected, contact your local gas supplier without delay. **Do NOT search for gas leaks with a naked flame.**

CLEANING

For normal cleaning simply dust with a dry cloth. To remove stubborn marks and stains use a damp cloth and mild detergent. **DO NOT** use abrasive cleaning materials.

MAINTENANCE

The appliance should be serviced at least once a year by a CORGI registered installer.

The Gas Safety (installation & Use) Regulations, Statutory Instrument 1994, No. 1886, impose certain legal obligations on gas users.

CHANGING GAS CYLINDERS

- a. Ensure that the replacement gas cylinder is the correct one for the installation.
- b. Extinguish any fire, flame or source of ignition (including cigarettes, pipes and pilot lights) before changing the gas cylinders.
- c. Change cylinders with caution.
- d. Ensure that the gas cylinder valve(s) is/are closed before disconnecting an empty cylinder or before removing any plastic cap or plug on the outlet connection of the replacement cylinder. Never use tools on cylinder valves, hand wheels or levers.
Note. *Cylinders with threaded connections have a left hand thread. For cylinders with self-sealing clip-on valves, ensure that the regulator tap is closed before disconnection.*
- e. Ensure that the replacement cylinder connections are gastight. Any leaking vapour will have a distinctive odour. Test by using leak detection solution around the connections - bubbles will form if vapour is leaking.

NEVER USE A NAKED FLAME

EMERGENCY ACTION

GAS LEAK

(usually detected by a distinctive smell)

DO NOT use electrical switches

DO NOT look for a leak with a naked flame

IMMEDIATE ACTION:

- CLOSE all supply valves.
- EXTINGUISH all sources of ignition.
- Open all doors and windows.
- If leakage cannot be stopped REMOVE CYLINDERS to a safe place in the open air and advise the supplier. If this is not possible, evacuate the premises and call the fire brigade.
- Do not use the installation until it has been checked by a CORGI registered installer.

- f. It is essential that the correct pressure regulator, with the correct pressure setting and capacity for the installation, is used in accordance with the manufacturer's instructions.
- g. In the case of a connection on a pressure regulator or gas appliance which relies upon a sealing washer to maintain a gastight joint, it is essential to check that the washer is present and that it is sound and correctly positioned prior to making the connection. Where the connection relies on a metal-to-metal seating or bullnose connection to obtain a gastight joint, it is essential that the mating surfaces be clean and undamaged. *Under no circumstances should a damaged valve or connection be used.*
- h. Where connections are designed to be tightened with a spanner, it is essential that a spanner of the correct size is used and that the union is firmly tightened - hand tightness is not sufficient. When self sealing valves are incorporated in a gas cylinder, connection should be made in accordance with the manufacturer's instructions and tools should not be used.
- i. If the continuation of supply is interrupted when a cylinder is changed, it is essential that all appliance taps are turned off before the change is made.
- j. With bulk storage tanks always ensure that the site is kept clean and clear of rubbish. Such vessels are designed to be filled on site by the gas distributors.

EMERGENCY ACTION

FIRE

IMMEDIATE ACTION:

IF SAFE TO DO SO, SHUT OFF THE GAS SUPPLY

Do not attempt to extinguish gas flame by any other means.

Raise the alarm and call the fire brigade stating that a liquefied petroleum gas cylinder is involved, and give its location.

DO NOT GO NEAR A CYLINDER if a cylinder is being heated by fire.

ALERT EVERYONE in the immediate area of the fire and evacuate the building.

ADVISE THE FIRE BRIGADE on their **ARRIVAL** of the **LOCATION** of the cylinder.

If a cylinder is not involved in the fire and it is **SAFE TO DO SO**, close all cylinder valves and remove the cylinders to a safe place.



The code of practice for the installation, commissioning & servicing of central heating systems

Caradon Plumbing Limited is a member of the Benchmark initiative and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.

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