

# users

# Concord ES140-380/H

Your Ideal users guide

04/02 - 94858552 - 8358 - 4748

When replacing any part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require. Do not use reconditioned or copy parts that have not been clearly authorised by Ideal Boilers.

**i** **Ideal** BOILERS  
**ENGINEERED FOR PEACE OF MIND**

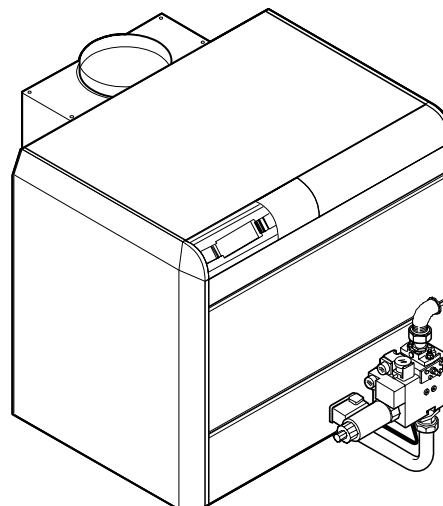
## ALL MODELS

**CURRENT GAS SAFETY (INSTALLATION & USE) REGULATIONS OR RULES IN FORCE** impose certain statutory obligations on gas users. This appliance must be installed by a CORGI registered installer.

1. It is **ESSENTIAL** that the instructions in this booklet are strictly followed, for safe, economical operation of the boiler.
2. Do not obstruct ventilation ducts, grilles or openings in the boiler room, or the passage of combustion and ventilation air to the boiler.
3. Do not store objects around or on the boiler, and keep access clear at all times.
4. Switch off and disconnect the electricity supply before carrying out maintenance work.
5. Do not turn off the boiler if it is to be left unattended in frosty weather.

### WARNING.

This appliance **MUST** be efficiently earthed.



## MAINTENANCE

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

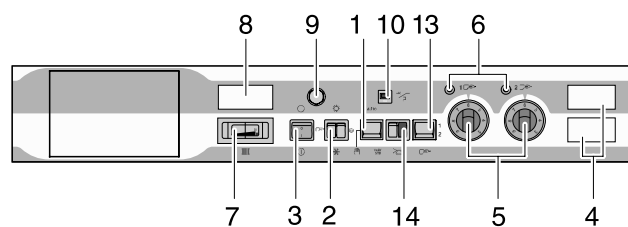
## CLEANING

For normal cleaning simply dust with a dry cloth.

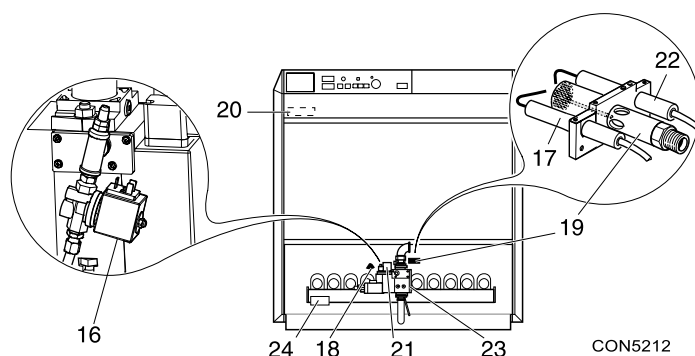
To remove stubborn marks and stains use a damp cloth and mild detergent.

DO NOT use abrasive cleaning materials.





## CONCORD ES



**Control Panel**



CON5212

1. 3-position switch / Manual  / Test STB.  
**Manual** : It is regulated by the boiler thermostat(s) (item 5). No room thermostat fitted.  
**AUTO** automatic position: boilers fitted with a room thermostat.  
**The manual position does not allow switching off the regulator.**  
**TEST STB**: allows testing the safety thermostat.
2. Double switch Burner/Heating Pump: this double switch controls the burner and the heating pump.  
In the "Winter" ❄️ position, both heating and domestic hot water may be operating.  
In the "Summer" ☀️ position, only domestic hot water is operating (if a hot water tank is connected).
3. Main ON  / OFF  switch.
4. Locations for hour run meter (optional).
5. Boiler thermostat (adjustment range: 40°C to 90°C):
6. Stage 1 or stage 2 indicators:
7. Boiler thermometer.
8. Location for flue gas thermometer (optional).
9. Safety thermostat with manual reset (cut-off temperature: 110°C).
10. 4 A circuit-breaker
13. Switch selecting the number of burner stages.
14. Burner alarm indicator and reset button.
16. Ignition valve.
17. Ignition electrode.
18. Flame sight hole.
19. Ignition burner.
20. Safety control box.
21. Minimum gas pressure switch.
22. Ignition burner ionisation probe.
23. Multiblock (2-stage valve and safety valve) gas valve.
24. Ignition transformer.

## TO LIGHT THE BOILER

Before turning the boiler on, make sure that the installation is **filled with water**.

The initial start-up shall be performed by a qualified professional.

Carry out the start-up operations in the order indicated below:

- Switch on electrical supply to boiler.
- Open the main gas shut-off valve.
- Press and release the safety control box (14) reset button.
- Check the position of the 3-position switch (1):
- Set the Summer / Winter switch (2) to the "Winter" ❄️ position.
- Set the controls (thermostats (5), regulator) so that heat is required. Ensure all system controls are calling for heat.
- The 1st stage thermostat always must be set to a value approximately 5°C **higher** than the 2nd stage thermostat.
- Set the ON/OFF switch 3 to the "ON" Ⓛ position.
- The ignition burner will light followed by the main burner.
- If it does not light the red alarm indicator (14) lights up. Press in and release the Safety Control Box reset button (14). The controls will reset and attempt to light.

## TO SHUT DOWN THE BOILER

Turn the boiler off at the time clock or system controls. Wait 3 min. and then set the ON/OFF switch (3) to OFF 'O' position. Note the frost warning below.

## TO RELIGHT THE BOILER

### After short periods

Switch on the time switch or system controls and set the ON/OFF switch (3) to Ⓛ. The boiler will light providing the external controls are calling for heat.

### After long periods

Follow the lighting instructions above. Refill the system if it has been drained.

## FROST WARNING

If frost is likely, leave the boiler thermostat at a reduced temperature setting and do not turn off the gas cock. Ensure external controls allow the boiler to operate if necessary. Note that this may not protect remote parts of the system, in which case a separate frost thermostat should be fitted or the system drained and the boiler shut down, as for Long Periods.

## IN CASE OF PROBLEMS

Items to check before calling your service agent.

### The burner does not start:

- Boiler thermostat(s) (5): check the settings.
- Safety thermostat (9) might be switched off due to accidental overheating. To restart the boiler, remove the protecting cap of the reset button located on the safety thermostat (9) and press the button using a screwdriver.
- Safety control box malfunction: Press the reset button (14).

Contact your service agent

### The burner operates, but the radiators are cold:

- Vent the radiators and fill up with fresh water.
- Make sure the heating pump operates correctly.
- If you need frequently to refill the installation with fresh water, contact your service agent.
- Check the position of the test switch.

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

**Caradon Ideal Limited** pursues a policy of continuing improvement in the design and performance of its products. The right is therefore reserved to vary specification without notice.

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**i Ideal** BOILERS

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**Caradon**  
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