

users guide

Falcon GTE

Your Ideal users guide

GTE 4, GTE 5, GTE 6, GTE 7 & GTE 8

9486-3360

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.

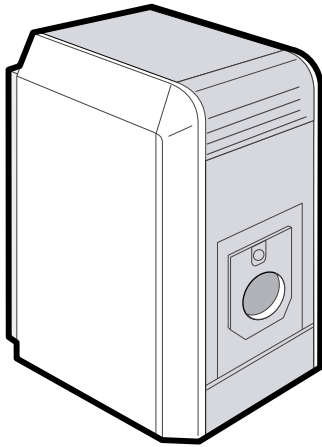
i Ideal BOILERS
ENGINEERED FOR PEACE OF MIND

Falcon GTE

(Gas and Fuel Oil)

PI No. 0049 AT 2527

Destination Countries: GB, IE



INTRODUCTION

The **Falcon GTE** is a floor-standing boiler featuring full sequence automatic gas or fuel oil burner.

SAFETY

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

FOR GAS FIRED BOILERS

Current Gas Safety (Installation & Use) Regulations or rules in force.

In your own interest, and that of safety, it is the law that this boiler must be installed and maintained by a CORGI registered installer, in accordance with the above regulations.

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

Electricity Supply

The appliance must be earthed.

Supply 230 V - 50 Hz.

The appliance is intended to be connected to the supply via a double-pole switch, having a 3mm contact separation in both poles, serving only the boiler and system controls. Alternatively, a 3-pin UNSWITCHED socket may be used.

Important Notes

- Do not store objects around or on the boiler, and keep access clear at all times.
- Do not obstruct ventilation ducts, grilles or openings in the boiler room or the passage of combustion and ventilation air to the boiler.
- Do not turn off the boiler if it is to be left unattended in frosty weather.
- 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 recognised installer (CORGI registered for gas-fired boilers).
- Flammable materials must not be placed in close proximity to the appliance. Materials giving off flammable vapours must not be stored in the same room as the appliance.

In cases of repeated or continuous shutdown, a recognised installer (CORGI registered for gas-fired boilers) should be called to investigate and rectify the condition causing this and carry out an operational test after each intervention on the device. Only the manufacturer's original parts should be used for replacement.

Minimum Clearances

Clearances of **500mm (20")** at the rear, **500mm (20")** at the sides and **1000mm (40")** at the front of the boiler casing must be allowed for servicing.

To Light the Boiler (Refer to Frame 1)

1. CHECK THAT THE ELECTRICITY SUPPLY TO THE BOILER IS OFF.
2. Set the boiler on/off switch (1) to OFF.
3. Set the boiler flow control (7) to maximum.
4. Switch on the electricity supply to the boiler and check that all external controls, e.g. programmer, room thermostat etc., are on and burner switch (2) and pump switch (3) are set to Winter.
5. Set the boiler on/off switch (1) to ON.

The boiler will commence the ignition sequence, supplying heat to the system when required.

Note. *If the burner does not ignite refer to the burner instructions.*

6. Set the boiler flow control (7) to the desired setting.

Settings below 4 (approx. 40°C) are not recommended, in order to avoid the risk of combustion products condensing on the walls of the boiler.

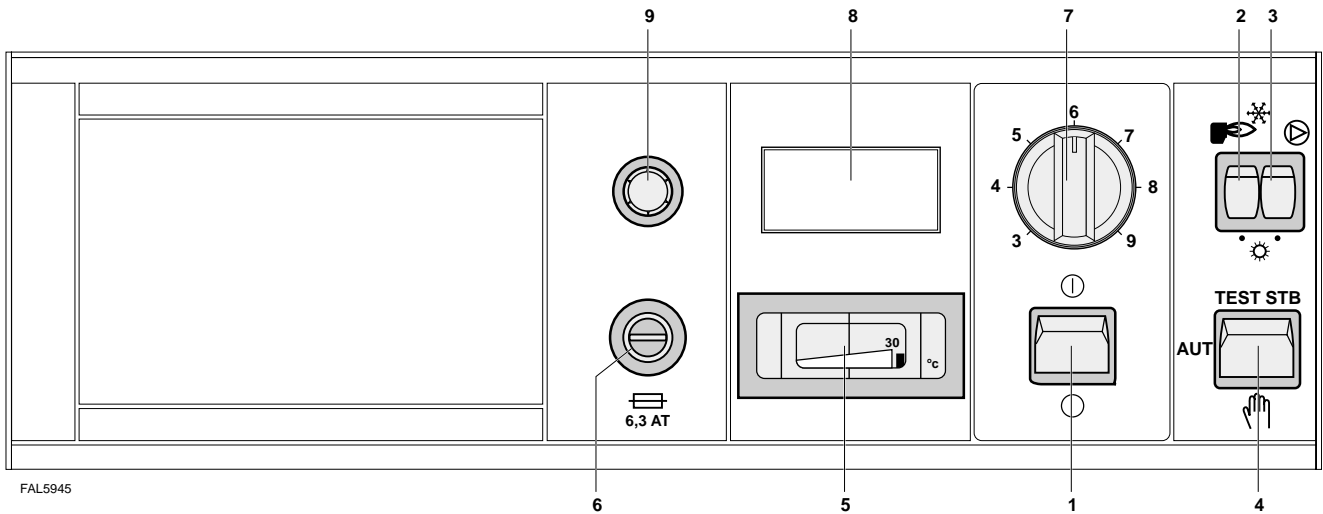
8. Burner

Refer to the instructions supplied with the burner for specific control features.

All CORGI Registered Installers carry a CORGI ID card, and have a registration number. Both should be recorded in your Log Book. You can check your installer by calling CORGI direct on 0156 372 300.

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

1 BOILER CONTROLS



1. Boiler on/off switch.

PositionON PositionOFF

2. Burner Summer/Winter switch:

Winter starts the burner.

Summer stops the burner.

3. Heating Pump Summer/Winter Switch:

Winter starts the heating pump.

Summer stops the heating pump.

4. Three-position switch:

TEST STB: when held in the pressed (momentary use) position it tests the safety thermostat.

Note. If two stage burner control fitted operation will continue on 1st stage after 2nd stage cut-off.

The heating pump switch (3) may be put in the Summer position while performing this test.

AUTO : automatic position, used for normal operation of the boiler. Use this position if a room thermostat is fitted.

: **Manual Position:** may be used for normal operation if two stage burner fitted, but overrides room thermostat (if fitted) when ON/OFF burner operation fitted.

5. **Boiler thermometer:** indicates boiler flow water temperature.

6. **Fuse:** 6.3 amp timed fuse.

7. **Boiler Thermostat:** Adjustment range 30-90°C for ON/OFF burners and 30-90°C 1st Stage, 26-86°C 2nd stage for two stage burners. (Automatic changeover from high to low fire at 4° below the flow setting.)

8. **Hour Run Meter:** (optional if fitted).

9. **Safety Thermostat:** (with manual reset) set at 110°C.

2 CONTROL OF WATER TEMPERATURES

The water temperature is controlled by the boiler thermostat (item 7). The temperature range of the thermostat is 30°C - 90°C for ON/OFF operation. For boilers fitted with high/low burners the thermostat also incorporates a feature which automatically controls the burner changeover from high fire to low fire at a fixed 4°C below the flow temperature setting (i.e. 26°C to 86°C).

To Shut Down the Boiler

1. For short periods

Set the boiler on/off switch (1) to OFF.

2. For longer periods

Set the boiler on/off switch (1) to OFF. Switch the electricity supply to OFF. For longer periods the entire system should be drained.

To Relight the Boiler

Refill the system if it has been drained, taking care to ensure no air is in the boiler or system.

Repeat the procedure detailed in 'To light the boiler'.

Frost Protection

If frost is likely and dependant on the system controls, which may incorporate suitable safety features, leave the boiler thermostat at a reduced temperature setting. 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.

Boiler Overheat Thermostat

Boiler overheating is detected by the overheat thermostat connected to the boiler control module. If the boiler overheats, it will shut down the burner but the circulating pump will continue to run until the water cools below 40°C. Press the safety thermostat reset button, under the screw top cap (9), and the burner will relight. If the fault recurs, turn off the boiler and consult a recognised installer (CORGI registered for gas-fired boilers.)

Escape of Gas

Should a gas leak or fault 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.

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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