



USER GUIDE

SUPER PLUS

200/S 200/2 300/3 400/4

500/5 600/6

300/3 Alternative

400/4 Alternative

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.

For the very latest copy of literature for specification and maintenance practices visit our website www.idealcommercialboilers.com where you can download the relevant information in PDF format.

CURRENT GAS SAFETY (INSTALLATION & USE) REGULATIONS OR RULES IN FORCE.

It is the law that **all** gas appliances are installed and serviced by a CORGI registered installer 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 that the law is complied with.

WARNING: This appliance must be earthed.

TO LIGHT A MODULE (SEE FRAME 1)

1. Ensure that water is flowing through the boiler and that all external controls are turned ON.
2. Check that the main inlet gas service tap is ON.
3. Turn the module gas service tap to ON.
4. Switch the electrical supply to the boiler to ON.

The following sequence of events will now take place:

- a) The 'Mains On' light will be illuminated.
- b) The fan will start and run for approximately 70 seconds

then, depending on the module's position in the switching sequence, either the fan will run on for a further 35 seconds or the fan will stop for a period of up to 35 seconds then restart and run for a further 35 seconds. The operation is part of the pre-purge safety feature of the **Super Plus** boiler.

- c) At the end of this period the gas valve will open and the spark generator will be energised. The burner will light and can be seen through the viewing point.

The 'Burner On' light will be illuminated.

- d) The main burner will continue to fire until the thermostat (or external controls) is satisfied. The main gas valves will then close and the fan will stop. The 'Burner On' light will go out.

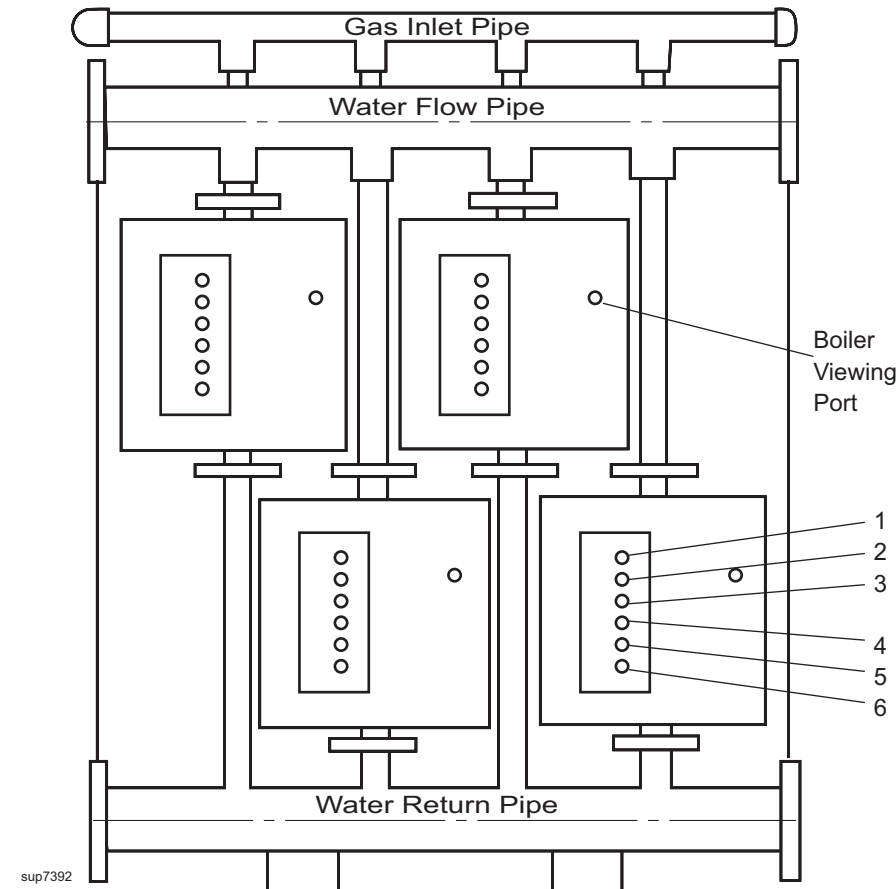
Note. Should the burner fail to light, the 'Lockout' light will be illuminated at the end of the ignition sequence.

TO ATTEMPT RE-IGNITION

If a module indicator panel is signalling 'Lockout', wait for 15 seconds and then press in and release the reset button. The ignition sequence will recommence.

If after 3 attempts the burner does not light, a CORGI registered

1 BOILER CONTENTS SHOWN



LEGEND

1. Mains on light
2. Burner on light
3. Lockout light
4. Overheat light
5. Lockout reset button
6. Overheat reset button

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.

installer should be consulted.

OVERHEAT THERMOSTAT

Each module is fitted with an overheat thermostat. If the overheat thermostat is fitted the MAINS ON and OVERHEAT lights will be illuminated.

To reset the overheat thermostat press in the green button labelled 'Overheat Reset'.

Provided that the temperature at the sensing point has fallen sufficiently, the module will automatically begin its start sequence and the burner will light.

Frequent tripping of the overheat thermostat should be investigated by a CORGI registered installer.

MODULE CONTROL THERMOSTAT

All Models

The module control thermostat has been set by the boiler Commissioning Engineer to give the correct sequence of module operation.

IMPORTANT

The module thermostat should not therefore be altered by the User.

TO SHUT DOWN A MULTI-MODULE BOILER

1. For short periods:

Turn off the electricity supply to the boiler.

2. For longer periods:

Turn OFF the mains electricity supply.

Turn OFF all module gas service taps.

Turn OFF the main inlet gas tap.

Turn water and all system controls to OFF.

FROST WARNING

If frost is likely during a short absence, leave the boiler running.

For longer periods, unless the controls include a frost thermostat, the system should be drained.

MAINTENANCE

IMPORTANT

In order to ensure safety and reliable operation of **Super Plus** boilers it is essential that regular maintenance be carried out by competent staff who have received instruction in maintenance, fault finding and commissioning procedures for this boiler series.

IMPORTANT

1. Towels etc. **MUST NOT** be draped over the boiler casing.
2. The User **MUST** ensure that the boiler house is maintained in a clean and tidy condition, and that **NO** loose items can fall on to the boiler.

The boiler should **NOT** be operated during the course of building, painting, piping or lagging work etc., in the boiler house.

When such work is in progress, the modules should be covered by means of clean dust sheets.

3. The passage of combustion and ventilation air via air tracks to the boiler must **NOT** be restricted.
4. The boiler house **MUST NOT** be used for storage purposes.
5. Check that the condensate drain is not blocked.

ESCAPE OF GAS

Should a gas leak be suspected contact your Local Gas Region without delay.

DO NOT search with a NAKED FLAME.

2 WATER TREATMENT

The **Super Plus** incorporates an aluminium alloy heat exchanger. As part of the installation the central heating system should be thoroughly flushed with appropriate water treatment in order to comply with BS7593:1992.

UNDER NO CIRCUMSTANCES SHOULD THE BOILER BE FIRED BEFORE THE SYSTEM HAS BEEN THOROUGHLY FLUSHED.

Caradon Ideal Limited recommend only the use of Fernox, GE Betz Sentinel or Salamander water treatment products, which must be used in accordance with the manufacturers instructions. For further information contact:

Fernox, Cookson Electronics, Forsyth Road, Sheerwater, Woking, Surrey, GU21 5RZ
Tel: +44 (0) 1799 550811

or

GE Betz, Sentinel Division, Foundry Lane, Widnes, Cheshire, WA8 8UD.
Tel: +44 (0) 151 420 9563

or

Salamander (Eng) Ltd., Reddicap Trading Estate, Sutton Coldfield, West Midlands, B75 7BY
Tel: +44 (0) 121 378 0952

IMPORTANT: ANY OTHER TREATMENT FOR THIS PRODUCT WILL RENDER THE GUARANTEE OF CARADON IDEAL LIMITED INVALID.

Notes.

1. If an inhibitor is used, and in hard water areas where treatment to prevent lime deposits is necessary, it is most important that the water treatment **MUST** be maintained at the correct concentrations recommended by the treatment manufacturer.

Persons responsible for the continued operation of this boiler should be made aware of this requirement.

If the boiler is installed in an existing system then any unsuitable water additives **MUST** be thoroughly drained.

2. Artificially softened water must not be used in the system, under any circumstances.
3. In all systems the fitting of a filter to the return pipework, in order to prevent debris reaching the heat exchanger, is essential.

Technical Training

The Ideal Technical Training Centre offers a series of first class training courses for domestic, commercial and industrial heating installers, engineers and system specifiers.

For details of courses please ring:..... 01482 498432



Ideal Boilers Ltd. pursues a policy of continuing improvement in the design and performance of its products.

The right is therefore reserved to vary specification without notice.

Ideal is a trademark of Ideal Boilers.

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