

## Prima

### 30C, 40C, 50C & 60C

**THIS APPLIANCE IS FOR USE ON NATURAL GAS ONLY.**

IT MUST BE INSTALLED AND SERVICED BY A COMPETENT PERSON AS STATED IN THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS 1994

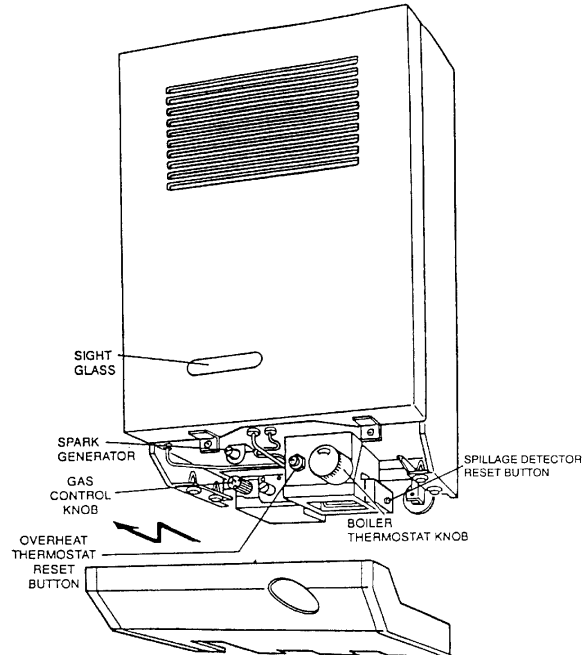
#### INTRODUCTION

The information given on this card will help you to obtain the maximum comfort from your boiler with the minimum trouble and cost. Once the pilot is lit your boiler is fully automatic in operation and requires very little attention apart from setting the thermostat. Regular skilled servicing is required to maintain the safe and efficient operation of your boiler throughout its long working life. Further information on this subject is given at a later stage.

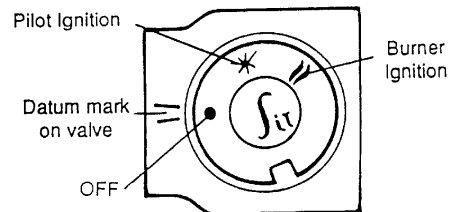
#### ELECTRICITY SUPPLY

**WARNING: THIS APPLIANCE MUST BE EARTHED**

Connection shall be made to a 240V ~ 50 Hz AC supply. The appliance must be protected by a 3 amp fuse. If a 13 amp (BS1363) plug is used or if any other type of plug is used by a 5 amp fuse in the circuit.



GAS CONTROL KNOB DETAILS



## SAFETY

This appliance must at all times be fitted more than 100mm (4in) above floor level.

The boiler should have the following minimum clearances for Safety and Maintenance, 610mm (2ft) at the front of the boiler, 5mm (3/16in) each side, 100mm (4in) at the bottom, 100mm (4in) at the top. If the appliance is installed in a compartment, do not obstruct any purpose-provided ventilation openings and do not use for storage purposes.

Flammable materials must not be stored in close proximity to the boiler.

Ensure that the flue terminal outside the house does not become obstructed, particularly by foliage.

## THE BOILER THERMOSTAT

The boiler thermostat enables you to control the temperature of the water as it leaves the boiler and it is also used for turning the boiler on and off. The thermostat knob can be set to O (OFF), Min, 1,2,3,4,5 or Max. The graduations Min. to Max. correspond approximately to a temperature range of 55°C to 82°C (130°F - 180°F).

During the summer months, when the boiler is only being used to supply stored domestic hot water and there is no independent hot water temperature control, the thermostat can be set to position 1 or 2 which will probably be hot enough for bathing or washing up requirements. For washing clothes, a higher setting may be necessary.

In winter weather, when central heating is required, the thermostat knob can be turned up higher but it must be remembered that unless the temperature of the water in the domestic hot water cylinder is independently controlled, the stored hot water could be at a temperature that could scald, i.e. about 82°C (180°F).

## OTHER CONTROLS

A Potterton Electronic Programmer or other type of clock may have been fitted in your system, together with room and/or cylinder thermostats. Full instructions on the use of these controls should be supplied with them.

## LIGHTING THE BOILER

1. Remove controls cover. This is done by pulling it forward by 25mm, lowering by 10mm to release from side fixings and lifting clear of the thermostat knob. See illustration on page 1.
2. Switch 'ON' the main electricity supply and ensure that the boiler thermostat knob is in the 'O' position.
3. Ensure the electronic programmer or other time control, if fitted is in an 'ON' period (refer to time control literature).
4. Ensure that any room or cylinder thermostats are at a high temperature setting.
5. Partly depress and turn the gas control knob clockwise as far as possible to position ● (see knob details). This ensures the valve is in the 'OFF' condition.
6. Partly depress and turn the control knob anti-clockwise to the pilot ignition position (see knob details) and hold it whilst pressing and releasing

the spark generator button several times. Continue to hold in the gas control knob, look through the pilot sight glass and check that the pilot has lit. (On initial lighting after a long period out of use the pilot may take several attempts to light). When lit, continue to hold in the gas control knob for about 15 seconds, release knob and the pilot should remain alight. Partly depress and turn the gas control knob to the burner ignition symbol (see knob details).

### NOTE:

If the pilot fails to light or goes out at any time, partly depress and turn the control knob clockwise to the 'OFF' position, release and WAIT THREE MINUTES before attempting to relight. (If the pilot goes out having released the knob during the lighting procedure, hold in the knob for a little longer after lighting the pilot on the re-light attempt).

7. Turn the boiler thermostat knob clockwise to a high setting and the main boiler will light.
8. Set the boiler thermostat and the room and/or cylinder thermostat(s) and any time control, to their required operating conditions. Refit controls cover.

**NOTE:** When the boiler is first lit, there may be a slight smell. This will disappear with use.

## TO SHUT THE BOILER OFF

Short periods: Switch off the time control. Where no time control is fitted, turn the boiler thermostat to 'O'. To re-light the boiler, simply switch on the time control or boiler thermostat.

For longer periods: Turn off the time control, if fitted; turn off the boiler thermostat, then partly depress and turn the gas control knob clockwise as far as possible and release it. Switch off the main electricity supply. To re-light the boiler, follow the full procedure 'LIGHTING THE BOILER'.

**NOTE:** If the system is fitted with a low limit thermostat and protection of the system is required during cold weather, all that is required is for the programmer to be turned to the 'OFF' position. This will allow the boiler to cycle if the temperature in the house becomes too low.

## IMPORTANT

Gas and electricity are required to operate your boiler. Its performance will not be affected by normal variation in gas or electricity supply, but a gas failure will put the boiler out of operation and it should be re-lit in the normal manner. In the case of a failure of the electricity supply, the boiler will re-light automatically when the supply is restored, provided that the time clock and/or thermostats are in an 'ON' position, i.e. the pilot normally remains alight without an electrical supply. See also Overheat Limit Thermostat. In the event of your boiler not working, there are several checks you should carry out before calling in a service engineer, as this could save you unnecessary expense.

1. Check that the gas, electricity and water are all turned on at the main supply.
2. Check that the time control, if fitted, is in an 'ON' period.
3. Check that all the thermostats in the system are not on low settings.

4. Check that the Spillage Detector Thermostat reset button has been reset, i.e. pushed fully in (see boiler sketch).

If you have to keep resetting the thermostat, call in your local service engineer.

#### **Overheat Limit Thermostat**

The boiler is fitted with a safety thermostat to protect against overheating of the water. Should this device operate, both the pilot and main burner are extinguished.

Access to the reset button is achieved by removing the controls cover as described under 'LIGHTING THE BOILER'.

To restart, allow the boiler to cool, press in the overheat thermostat reset button and follow the full procedure 'LIGHTING THE BOILER'.

If problem persists, turn off the boiler and consult your local Gas Region or Service Engineer.

NOTE: Interruption of the electrical supply to the boiler may also cause the overheat thermostat to operate.

Having checked these points and if the boiler still fails to light, call in your local Service Engineer.

#### **Spillage Detector Thermostat**

The Spillage Detector Thermostat (S.D.T.) is a manual reset thermostat that will trip out if flue products spill from the down draught diverter.

If you have to keep resetting the thermostat, call in your local service engineer.

#### **FROST PRECAUTIONS**

If your boiler has to be shut down for several hours or more during very cold weather, it may be in danger of freezing, due to its position, i.e. it may be in an outhouse or part of the pipework may be vulnerable to frost. To avoid freezing, three methods of protection can be used:-

1. Insulation of the boiler and pipework, taking care not to impede any ventilation air supply.
2. Completely draining the water system if not in use for long periods. If the boiler is installed on a sealed system, draining and refilling must be carried out by a competent person, e.g. your Service Engineer. NOTE: Although the system can be emptied by using the drain-off taps installed in the pipework around the system, to empty the boiler it is necessary to remove the drain plug situated on the front lower right of the casing. This operation is best left to your Service Engineer.
3. Having a low limit thermostat fitted. Seek advice from your installer.  
If a low limit thermostat has been fitted, it cannot operate if the boiler is completely shut down and the electricity supply turned off. In this instance, the system will have no protection and one of the other methods must be used.  
If no protection is provided it may be necessary to run the boiler at low thermostat settings at times when it would normally be shut off.

#### **CLEANING THE OUTSIDE OF THE BOILER CASING**

The outside of the boiler casing can be wiped when necessary by using a damp cloth to remove finger marks etc. Do not use an abrasive as this may damage the casing finish.

#### CARE OF YOUR BOILER AND SYSTEM DURING THE GUARANTEE PERIOD AND BEYOND

**See Back Page**

## **1. Registration of Purchase**

It is important to register the purchase of your Potterton boiler to ensure you receive prompt and efficient handling in the event your boiler requires attention during the guarantee period.

To register your guarantee simply complete and detach the Registration of Purchase form enclosed with these instructions. It is important to include details of your installer (if known) and to return the completed form to the Potterton Registration Department.

## **2. During the Guarantee Period**

In the event of any problems with your system or the operation of your boiler, you should first call your installer. If there is a fault with the boiler under guarantee which your installer is unable to rectify, he will call Potterton Service Operations. For 12 months after the date of installation of the boiler (or 18 months from the date of manufacture, whichever is the shorter), Potterton will attend to any manufacturing defect, on the appliance only (not the system or ancillary controls), free of charge for parts and labour, subject to there being no misuse or abuse. This does not affect your statutory rights.

Service visits by Potterton Service Operations outside the terms of the boiler guarantee will be charged for both parts and labour at our normal rates for chargeable work.

During the period of the boiler guarantee, Potterton will only be responsible for the costs of work done by them or on their instructions by their Agent. We cannot accept any liability for expenditure or work done by other parties without our knowledge and/or approval.

## **3. Safety Check/Routine Maintenance**

It is strongly recommended you have your boiler checked annually for safety and to have routine maintenance. This should be carried out by a CORGI Registered Installer/Service Agent or Potterton Service Operations to comply with the requirements of the Gas Safety (Installation and Use) Regulations 1994.

## **4. Boiler Breakdown Insurance**

We are pleased to offer you the opportunity to protect your investment once your boiler guarantee has expired, by the payment of an annual premium. You can continue with this insurance for the normal life of your boiler and you will find a special 30 day introductory offer for second year cover together with a card to register your purchase, as part of the 'User Pack' supplied with your boiler.

**If you have not been handed a Registration Card/Optional 2nd Year Breakdown Insurance Offer, please contact the Potterton Registration Department for a copy by telephoning 0181 944 4972**