

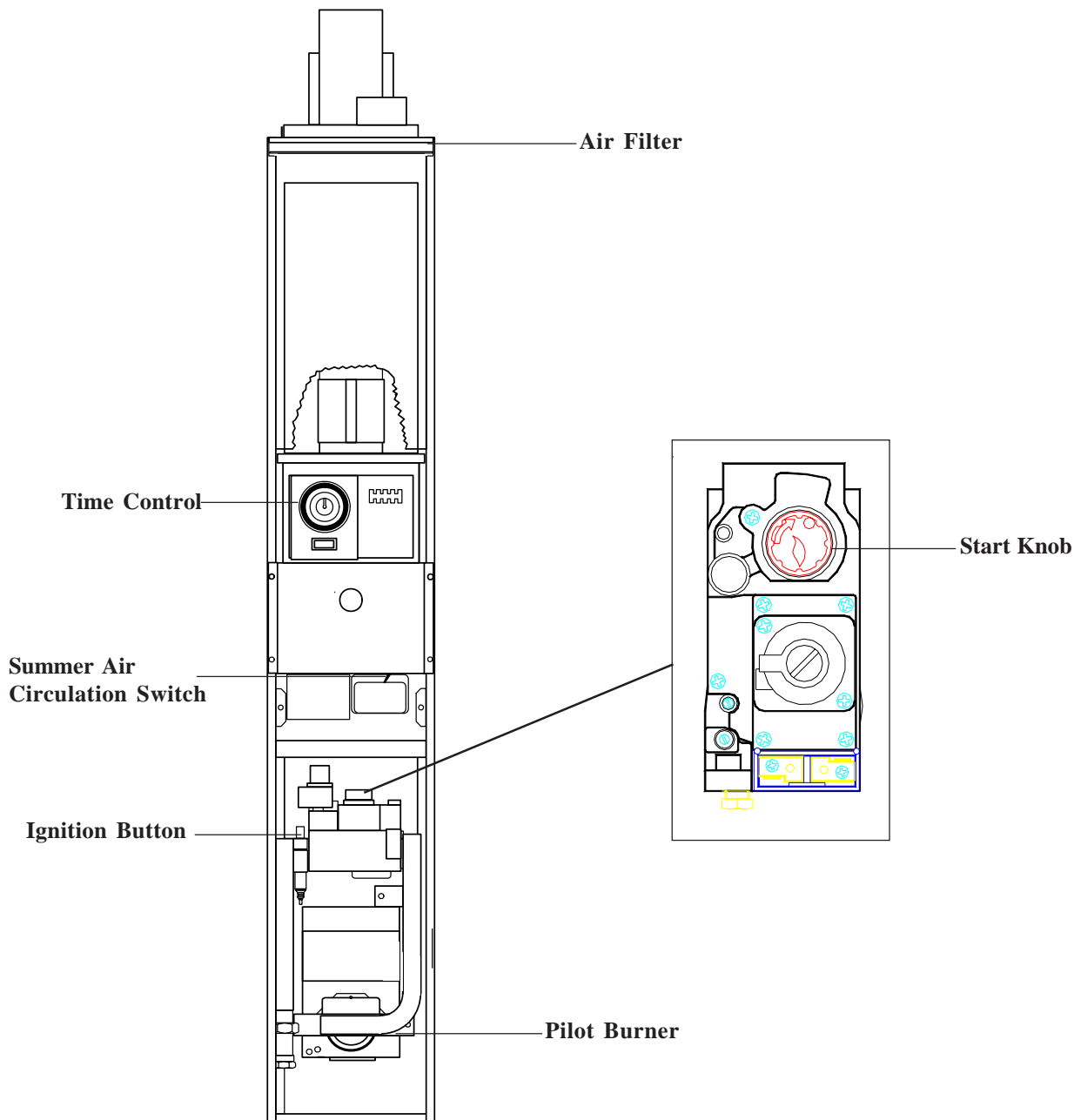


**JB25P, JB25B and JB25PB SERIES (all models)  
DOMESTIC WARM AIR HEATERS  
USER'S INSTRUCTIONS**

THESE INSTRUCTIONS ARE TO BE LEFT WITH THE USER OR THE APPLIANCE

PUBLICATION No. ZZ 1015/3  
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**THIS APPLIANCE CONFORMS TO BS EN 55014  
WARNING: THIS APPLIANCE MUST BE EARTHED**



**Fig. 1  
JB25PB AIR HEATER**

**WARNING: THIS APPLIANCE MUST NOT BE OPERATED UNTIL IT HAS BEEN INSTALLED AND COMMISSIONED BY A CORGI REGISTERED ENGINEER, IN ACCORDANCE WITH GAS SAFETY (INSTALLATION AND USE) REGULATIONS, (CURRENT EDITION).**

## 1.

**IGNITION OF YOUR HEATER**

**WARNING: IF THE PILOT LIGHT IS EXTINGUISHED, EITHER INTENTIONALLY OR UNINTENTIONALLY, NO ATTEMPT SHOULD BE MADE TO REIGNITE THE GAS UNTIL A MINIMUM OF 3 MINUTES HAVE ELAPSED.**

1.1 **PREPARATION: Ensure that**

- 1.1.1 The gas supply to the appliance is turned ON at the gas cylinder.
- 1.1.2 Any taps in the gas supply are turned ON.
- 1.1.3 The room thermostat is set to MINIMUM or OFF.
- 1.1.4 The electrical supply to the appliance is turned OFF.

1.2 **IGNITION:**

- 1.2.1 Remove lower front door.
- 1.2.2 Referring to Fig. 1, identify the positions of the Gas control START knob, Ignition button (marked with a \* symbol) and the pilot burner.
- 1.2.3 Press and hold the START knob fully in, (this permits gas to flow to the pilot burner),
- 1.2.4 Repeatedly press and release the Ignition button until the pilot burner ignites, still keeping the START knob depressed.
- 1.2.5 After a minimum of 20 seconds, release the START knob and ensure the pilot burner remains alight.
- 1.2.6 Refit the lower front door.
- 1.2.7 Turn the electrical supply to the appliance to ON.
- 1.2.8 Set the Time control to an ON position.
- 1.2.9 Set the room thermostat to the required setting.

1.3 **PILOT BURNER FAILS TO REMAIN ALIGHT:**

- 1.3.1 Turn the START knob clockwise and ensure knob springs out.
- 1.3.2 Wait a minimum of 3 minutes and repeat the IGNITION procedure, holding the START knob pressed in for a longer period.
- 1.3.3 If the pilot burner will not stay alight, consult your heating installer.
- 1.3.4 If the pilot burner fails to light, the Igniter may be faulty in which case, the appliance may be ignited with careful use of a lighted taper as follows:
  - a. Press and hold the START knob fully in,
  - b. Apply a lighted taper to pilot burner,
  - c. After a minimum of 20 seconds, release the START knob and ensure pilot burner remains alight.
  - d. Carry out items 1.2.6 to 1.2.9

## 2.

**SHUTTING DOWN YOUR HEATER**

- 2.1 Turn the START knob clockwise and ensure the knob springs out.
- 2.2 Turn the electrical supply to the appliance OFF.
- 2.3 Turn the gas supply to the appliance OFF at the gas tap.
- 2.4 Turn the gas supply OFF at the cylinder where applicable.

**IMPORTANT: ALWAYS follow this sequence when shutting down the appliance, or long delays will occur before the pilot burner can be reignited following shut down. To relight the appliance following a period of shut down, follow the procedure at items 1.1 and 1.2.**

**WARNING: Do not turn the electrical supply to the appliance OFF when the main burner is alight, or damage to the heater may result.**

**IMPORTANT:**

- 2.4 If SUMMER AIR CIRCULATION is required, the electrical supply to the appliance must remain turned ON
- 2.5 If at any time the START knob is turned and the pilot burner is extinguished, an in-built safety device will prevent the pilot burner from being reignited for a minimum of 1 minute. If the pilot burner does extinguish, a flame failure device in the pilot and gas control will shut off the gas supply at the gas control.
- 2.6 Re-ignition of the appliance is carried out as per item 1.2

## 3.

**TEMPERATURE CONTROL**

- 3.1 The room thermostat allows you to select the room temperature you require.
- 3.2 When the air surrounding the thermostat reaches the selected temperature, the thermostat will switch the heater OFF, and will then automatically switch the heater ON and OFF several times per hour to maintain the required room temperature.

## 4.

**CONTROL OF YOUR HEATING SYSTEM**

- 4.1 The Appliance is factory set to ensure no adjustment is required other than the setting of the room thermostat for the required room temperature and, the time control for period of operation.
- 4.2 In installations where adjustable warm air outlets are provided, the outlets in the room where the room thermostat is fitted should always be left open. Control of heat in each room can be achieved by opening and closing warm air outlets. No more than half of the outlets should be closed at any one time or your heating system's performance will be adversely affected.
- 4.2 In prolonged periods of severe weather, it is better to set the air heater to ON ALL TIME overnight, and reduce the setting of the room thermostat to provide a general background heating (recommended at 13°C or 55°F). Resetting the room thermostat will quickly raise the room temperature.
- 4.3 **SUMMER AIR CIRCULATION** During hot weather, unheated air can be circulated around the dwelling by turning off the heating requirement and setting the SUMMER AIR CIRCULATION switch to operate the circulation fan only.

**IMPORTANT:** If at any time the main burner does not extinguish when there is no demand for heat, turn the gas control START knob clockwise, and contact your local service company.

## 5.

**TIME CONTROL OPERATION**

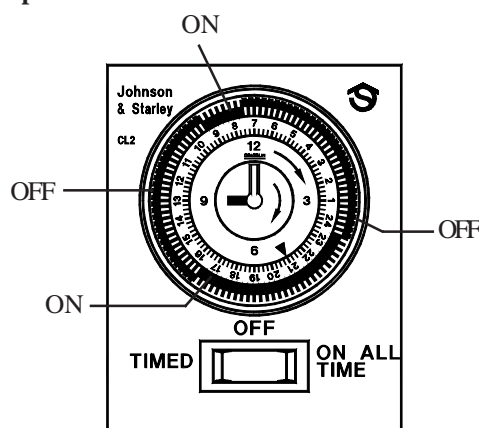
- 5.1 The Time Control will provide continuous or timed operation of the appliance.

5.2 **SETTING FOR TIMED OPERATIONS**

Note: The shortest period that can be selected on the Time Control is 15 minutes, represented by one tappet. ON times are set by pushing the required tappets IN towards the centre of the dial, whilst OFF times are provided by tappets being set to the outside of the dial.

- 5.2.1 To set Timed Operation for 07.30 to 09.00 and 16.30 (4.30pm) to 23.15 (11.15pm):
- Push all tappets between 07.30 and 09.00 IN towards centre of dial
  - Retract all tappets between 09.45 and 16.15 towards outside of dial.
  - Push all tappets between 16.30 and 23.15 IN towards centre of dial.
  - Retract all tappets between 23.30 and 07.15 towards outside of dial.
  - Set Time control to correct time of day by turning dial CLOCKWISE until actual time lines up with the pointer.
  - Set switch to TIMED

**Note:** Do not attempt to turn the time control dial anti-clockwise.



**Fig. 2 TIME CONTROL**

5.3 **OTHER OPERATING CONDITIONS**

- 5.3.1 The appliance can be selected to operate outside the time control settings at any time, by setting the time control switch to ON ALL TIME, whilst resetting the switch to TIMED will revert the appliance back to timed operation.
- 5.3.2 If heating is not required, set the time control switch to the central OFF position.

## 6. AIR FILTER

**IMPORTANT: The air filter should be cleaned every 2 weeks during the heating season. To clean the filter, remove it from the heater and clean it with a vacuum cleaner or soft brush and refit to the heater.**

**DO NOT** allow the filter to become clogged, or the output of the heater will be greatly reduced and fuel wasted.

**In NEW DWELLINGS:** The air filter should be cleaned every week for the first month.

## 7. MAINTENANCE

7.1 It is strongly recommended that a full maintenance check on your appliance be carried out at least once per year and a service contract is taken out on expiry of the guarantee period. Your local service engineer will provide you with details of this service and its arrangements.

**Note:** Maintenance and servicing must only be carried out by a properly qualified person.

## 8. POWER CUTS

8.1 If you experience an electrical power cut, the gas control on your heater will automatically close, the main burner will extinguish whilst the pilot burner will remain alight. Once the electrical supply is restored, the heater will operate normally. The time control will require resetting to the correct time of day.

## 9. PROBLEM SOLVING

### 9.1 **IF YOUR HEATER IS NOT GIVING THE SERVICE YOU REQUIRE:**

9.1.1 Check that there is gas supply to the heater.

9.1.2 Check that the room thermostat and time control are set correctly to your requirements.

9.1.3 Check that the pilot burner is alight.

9.1.4 Check that the air filter is not clogged, cleaning as required

9.1.5 If the fan will not slow or stop at any time, ensure the Summer Air Circulation switch is set to OFF

9.1.6 If your heater shuts down, contact your local service engineer.

9.1.7 When replacing the mains fuse to the appliance, the fuse rating must not exceed 3 amps.

9.1.8 If your appliance still fails to operated correctly, contact your local service engineer.

## 10. CLEANING

10.1 If necessary, the heater cabinet may be cleaned with a mild soap solution. **DO NOT USE ABRASIVES**, or strong **ALKALIS**.

### **IMPORTANT**

**FOR YOUR APPLIANCE TO OPERATE EFFECTIVELY, AND FOR YOUR HEATING SYSTEM TO PERFORM SATISFACTORILY, IT IS ABSOLUTELY ESSENTIAL TO OBSERVE THE FOLLOWING:**

1. **This air heater is installed in a ventilated area. DO SEEK ADVICE** from your local heating engineer before making any alterations likely to reduce the supply of fresh air to the heater.
2. **DO KEEP CLEAN** and make sure you **DO NOT OBSTRUCT** any air grilles on the heater, in the heater compartment or in any walls, windows or doors of the dwelling.
3. **CLEAN** and **CORRECTLY REFIT** the air filter at least once per month, or to the manufacturers instructions.
4. **DO NOT PLACE ANYTHING** (clothing, linen etc.) in contact with the air heater or its flue pipe.
5. **DO NOT USE** the heater compartment for airing or storage.
6. **DO NOT** turn off the mains electrical supply to the air heater until the gas supply has been turned off.
7. **The Appliance is factory set** so no adjustment is required other than the setting of the room thermostat for the required room temperature and the time control for period of operation.
8. **WHEN SHUTTING DOWN THE APPLIANCE FOR AN EXTENDED PERIOD, ALWAYS** follow the sequence detailed in items 2.1 to 2.4, or long delays will occur before the pilot burner can be reignited following shut down.

### **IF YOU SMELL GAS:**

1. **DO NOT OPERATE ANY ELECTRICAL SWITCHES OR USE A NAKED FLAME**
2. **TURN OFF THE GAS** at the cylinder
3. **VENTILATE THE AREA** by opening doors and windows
4. **CALL** for you local service engineer.

Johnson & Starley prides itself on its ability to supply spare parts quickly and efficiently. If your local heating engineer should indicate a problem in obtaining a spare part, please ask him to contact Johnson & Starley spares department at the address below.

**TELEPHONE: (01604) 762881**

**FAX: (01604) 767408**

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