

STOVAX



Brunel 1A / 2CB / 3CB ***Clean-burn stove***

Installation and Operating Instructions

IMPORTANT

Please read these instructions carefully before using the appliance.
Keep them safe for future reference and when servicing the fire.

FOR YOUR RECORDS

To assist us in any Guarantee claim please complete the following information:-

Stovax dealer appliance was purchased from

Name:

Address:.....
.....

Telephone number:

Date installed:

Model description:.....

Serial number:

Installation Engineer

Company name:

Address:.....
.....

Telephone number:

Commissioning Checks (to be completed and signed)

- | | | |
|--|------------------------------|-----------------------------|
| Is flue system correct for the appliance | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| Flue swept and soundness test complete | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| Smoke test completed on installed appliance | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| Spillage test completed | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| Use of appliance and operation of controls explained | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| Instruction books handed to customer | YES <input type="checkbox"/> | NO <input type="checkbox"/> |

Signature: Print name:

PRE-INSTALLATION CHECKS

1. **Additional ventilation** may be required to comply with the requirements of the Building Regulations. This should be provided using a permanently open vent, of the size listed, which is positioned so that it is not liable to be blocked, both inside and outside the building.

Area:-	Brunel 1A	None	
	Brunel 2CB	600mm sq.	(6cm sq.)
	Brunel 3CB	1100mm sq.	(11cm sq.)

Extractor fans or cooker hoods should not be placed in the same room or space as the Brunel stove.

2. It is important to ensure that the chimney or flue system into which the stove is to be installed is working properly. Products of combustion, which enter a room, could be a serious health risk. Before installation of the stove, the chimney and/or flue system must be inspected by a qualified professional and passed as suitable.

In particular, the following should be checked:

(a) The chimney or flue system must comply with the Building Regulations for heat producing appliances i.e. a round flue of minimum diameter 6" (150mm) or a square brick flue of at least 5 1/2" x 5 1/2" (135 x 135mm) or a factory made system manufactured to BS543 and installed to BS6461.

The Brunel 1A and 2CB may be fitted to a 125mm (5") diameter flue if a suitable, approved, liner system is installed to the manufacturers instructions with a minimum height of 4m (13').

(b) The minimum height of the chimney or flue must be 13' (4m). This height should be measured from the hearth to the top of the flue.

(c) The chimney or flue must be free from any obstruction. Any damper plates or flue restrictors must be removed, and no restrictor plates should be fitted. Some dampers or restrictors are impractical to remove; these must be secured in the open position.

(d) The chimney or flue must be sound and clean. If it has previously been used with a wood, coal or other solid fuel fire, it must be swept before the stove is installed.

(e) Ensure that only one stove is served by the chimney or flue system.

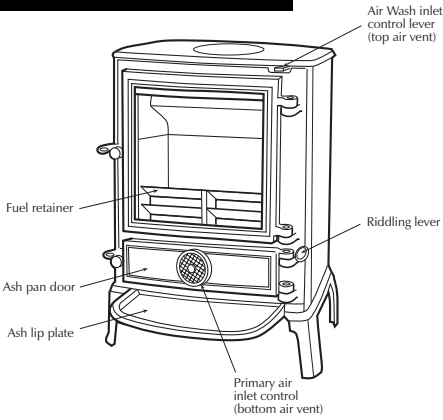
(f) Ensure that the chimney is structurally sound. In particular it must not be possible for the products of combustion to come into contact with combustible materials in the structure of the building.

NOTE: A guide is published by the British Flue and Chimney Manufacturers' Association which contains general information on chimneys and flues. It can be obtained from: The British Flue & Chimney Manufacturers' Association, 2 Waltham Court, Milley Lane, Hare Hatch, Reading, Bucks, RG10 9TH Tel: 0118 9403416 e-mail: info@feta.co.uk

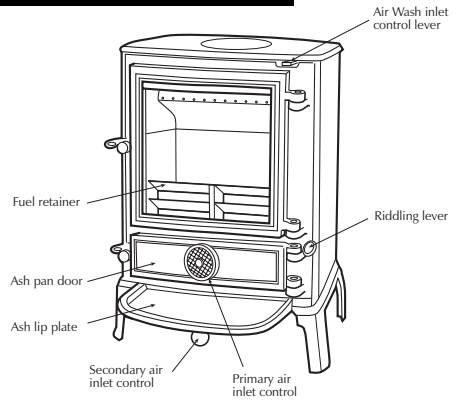
IF ANY OF THE PRE-INSTALLATION CHECKS REVEAL ANY INADEQUACIES, DO NOT PROCEED WITH THE INSTALLATION UNTIL ALL THE DEFECTS OR DEFICIENCIES HAVE

PRE-INSTALLATION CHECKS

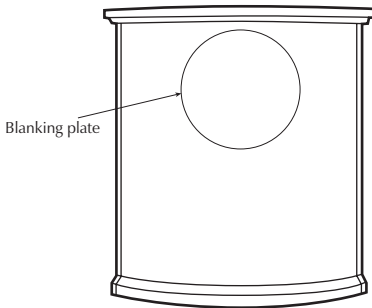
BRUNEL 1A



BRUNEL 2CB & 3CB



REAR



INSTALLATION INSTRUCTIONS

BEEN RECTIFIED.

OPERATING INSTRUCTIONS

1. CAUTION!

The Brunel Stove is manufactured from castings, which need to be tempered before the stove is operated at the highest temperatures. Therefore the fire should be kept VERY LOW for the first 24 hours and Low for the following 48 hours. Thereafter the stove can be operated at normal temperature.

After a prolonged period of time without burning, such as the summer, it is advisable to retemper the castings by keeping the fire low for about 4 hours.

2. LIGHTING

Light a wood fire with the primary air inlet shut (rotate clockwise to shut) and both the secondary air (Brunel 2/3 only) (pull out to open) and airwash (move to right to open) inlets fully open. Leave them open until the fire is well alight.

Light a coal or smokeless fuel fire with all air inlets fully open i.e. the primary air (rotate anti-clockwise to open), secondary air (pull out to open) (Brunel 2/3 only) and airwash (move the lever right to open). Leave them open until it is well alight.

3. CONTROLLING THE BURNING RATE

Burn **wood fires** with the primary air inlet shut and the secondary air inlet approximately half open. Control the burn rate with the airwash inlet lever.

Burn **coal fires** with the airwash inlet approximately half open and control the burn rate with the primary and secondary air inlets (Brunel 2/3 only).

Burn **smokeless fuel fires** with the airwash inlet approximately half open and the secondary air inlet closed (Brunel 2/3 only). Control the burn rate with the primary air inlet.

These, however, are a generalisation and you will find you can adjust the controls to provide exactly the 'flame picture' and burn rate that you prefer – and this may differ from time to time.

OPERATING INSTRUCTIONS

4. ASH

When burning coal riddle the ash through the grate to the ashpan before adding more fuel. This is done by moving the riddling lever on the right-hand side of the ash door vigorously in and out.

When burning wood allow a bed of ash to form over the grate and place new logs onto this ash bed. Try to avoid burning wood on the exposed grate, as this will result in inefficient use of fuel.

5. GENERAL

Do not allow the ashpan to overfill, as the effect of hot ash contacting the grate from both above and below can cause it to become distorted.

The stove will only continue to perform efficiently if the chimney is kept clean to provide a good draught. It should be swept at least once a year.

Prolonged wood burning may cause deposits of creosote to form inside the flue or chimney. This can be dangerous as it may cause chimney fires. Regular use of **Stovax Protector** chimney cleaner (available from your local Stovax stockist) will reduce this risk.

For greatest economy in fuel consumption, the use of a **Stovax Magnetic Flue Pipe Thermometer** is strongly recommended to indicate optimum operating temperatures.

For the first hour or two of the operation, the surface of a brand new matt black stove may appear to smoke slightly and give off an odour. This is the effect of the painted surface being exposed to high temperature for the first time and will soon stop. Keep the room well ventilated during this period.

To keep the outside of a matt black stove looking clean and smart an occasional coating of **Stovax Colloidal Black** is recommended. Less frequently, you can repaint with **Stovax Thermolac** matt black stove paint. Both these products are available from your local stockist. Enamel stoves can be wiped clean with a damp cloth.

OPERATING INSTRUCTIONS

6. ANNUAL SERVICE

To get the best performance from your Stovax stove ensure that the following simple maintenance is carried out once per year (your local Stovax stockist will do this for you, for a reasonable charge, if required):

Remove all internal components (grate, secondary air baffle etc.) and clean the inside of the stove with a wire brush and vacuum cleaner;

Clean the internal components in the same way before replacing them;

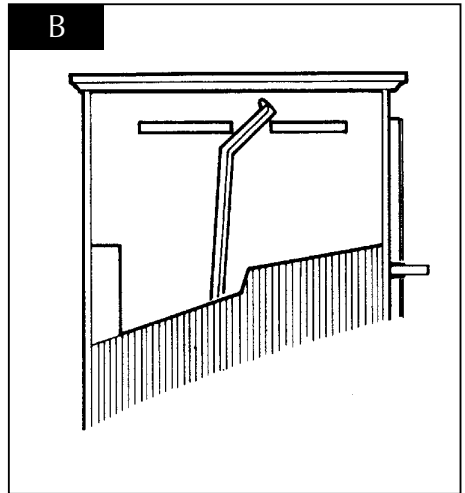
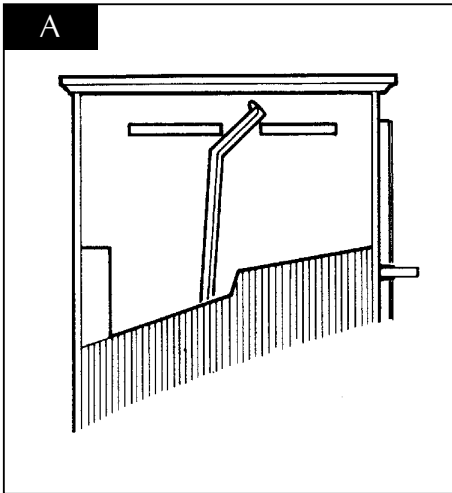
Remove and replace the fibreglass rope seal from the inside of the doors, attaching the new rope with **Stovax Thermic Seal** (use 6mm standard rope, Stovax product code number **7020** or **4019**);

Unscrew the glass retaining clips, soak the screws in light oil or WD40, clean the glass with **Stovax Stove Glass Cleaner**, replace the glass and its retaining clips. Also check the protective fibreglass gasket for signs of wear. Replace if necessary.

OPERATING INSTRUCTIONS

7. REMOVING THE BAFFLE (BRUNEL 1A)

1. Open stove door and lift out log retainer.
2. Remove both side firebricks out by easing them outward from the front edges.
3. With your hand at the back of the baffle plate, lift slightly and slide toward front of stove.
4. Remove rear firebrick.
5. Slide baffle towards the rear of the stove, tilt back of baffle downward and lower through slots in baffle retaining ridges.
6. Baffle now lifts out.
7. To replace baffle, follow the above procedure in reverse order.



OPERATING INSTRUCTIONS

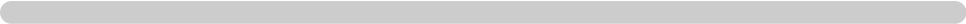
8. REMOVAL OF SECONDARY AIR BAFFLE (BRUNEL 2/3)

1. Slide out the fuel retainer.
2. Remove the rear fire brick.
3. Remove the four side bricks.
4. Undo the two retaining bolts (Caution: the baffle is very heavy so ensure it does not fall onto your hands).
5. Remove the baffle by sliding and twisting.

9. RECOMMENDED FUELS

- Seasoned timber, cut and stored for at least a year.
- All natural solid fuels including house coal and anthracite.
- Most manufactured fuels, but specifically excluding petro-cokes which may damage the stove. The use of petro-coke will invalidate your stove's guarantee.

For further advice please contact your Approved Coal Merchant.



Stovax Ltd, Falcon Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7LF
Tel: (01392) 474011 Fax: (01392) 219932 E-mail: info@stovax.com www.stovax.com