

# STOVAX

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## *Stockton 3/4/5/6/7/8/11*

### *Free Standing Stove*

MODELS: 7118/7101/7102/7119/7160/7127/7130/7161/7100/7162/7117/7120/7163/7103/7104/  
7105/7113/7113LC/7128/7114/7106/7106LC/7106HC/7116/7116LC/7116HC

## **Instructions for Use, Installation and Servicing**

**For use in GB & IE (Great Britain and Republic of Ireland).**



This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Stovax for further information.

### **IMPORTANT**

**This appliance will become hot whilst in operation, it is therefore recommended that a suitable guard should be used for the protection of young children, the elderly or infirm. Do not attempt to burn rubbish in this appliance.**

**Please read these Instructions carefully before installation or use.  
Keep them in a safe place for future reference and when servicing the fire.**

**The commissioning sheet found on page 3 of these instructions should be completed by the Installer.**

## COVERING THE FOLLOWING MODELS:

7118/7101/7102/7119/7160/7127/7130/7161/7100/7162/7117/7120/7163/7103/7104/  
7105/7113/7113LC/7128/7114/7106/7106LC/7106HC/7116/7116LC/7116HC

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This appliance has been approved by HETAS Ltd.

# APPLIANCE COMMISSIONING CHECKLIST

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

## Dealer appliance was purchased from

Name: .....

Address: .....

.....

Telephone number: .....

## Essential Information - MUST be completed

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       NO

Flue swept and soundness test complete      YES       NO

Smoke test completed on installed appliance      YES       NO

Spillage test completed      YES       NO

Use of appliance and operation of controls explained      YES       NO

Instruction book handed to customer      YES       NO

Signature: .....

Print name: .....

# USER INSTRUCTIONS

## 1. GENERAL POINTS

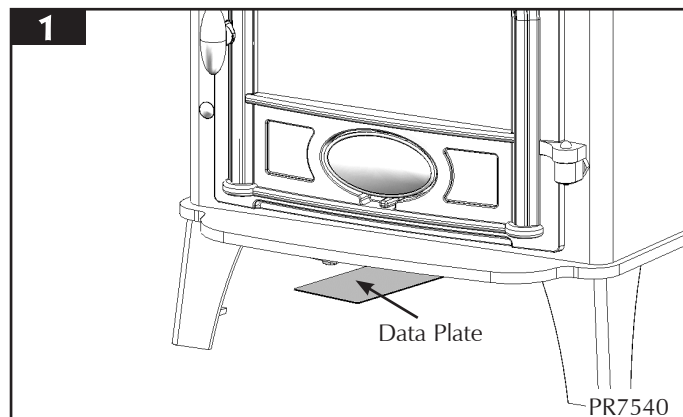
- 1.1 Before use of this appliance please read these instructions fully.
- 1.2 All local regulations, including those referring to national and European Standards need to be complied with when installing the appliance.
- 1.3 Only use for domestic heating in accordance with these operating instructions.
- 1.4 You must burn only approved fuels. Do not use with liquid fuels or as an incinerator.
- 1.5 Appliance surfaces become very hot when in use. Use a suitable fireguard if young children, elderly or infirm persons are present. Stovax offer firescreens, sparkguards and hearthgate systems for protection\*. Your Stovax dealer can advise you about these products.
- 1.6 Do not place photographs, TV's, paintings, porcelain or other combustible items on the wall or near the appliance. Exposure to hot temperatures will cause damage.
- 1.7 Extractor fans or cooker hoods must not be placed in the same room or space as this can cause appliance to emit fumes into the room.
- 1.8 Do not obstruct inside or outside ventilation required for the safe use of this appliance.
- 1.9 Do not make unauthorised changes to the appliance.
- 1.10 The chimney must be swept at least once a year. See Section 12
- 1.11 Do not connect, or share, the same flue or chimney system with another appliance.
- 1.12 This appliance is designed to be used with the doors shut. However it can be operated with the doors fully open if using a suitable sparkguard.\*  
If operated with the doors open without a sparkguard the hearth must be extended by a minimum of 300mm in front of the appliance.

## SERIAL NUMBER

- 1.13 This number is required when ordering spare parts or making warranty claims. It is found on the appliance data plate.

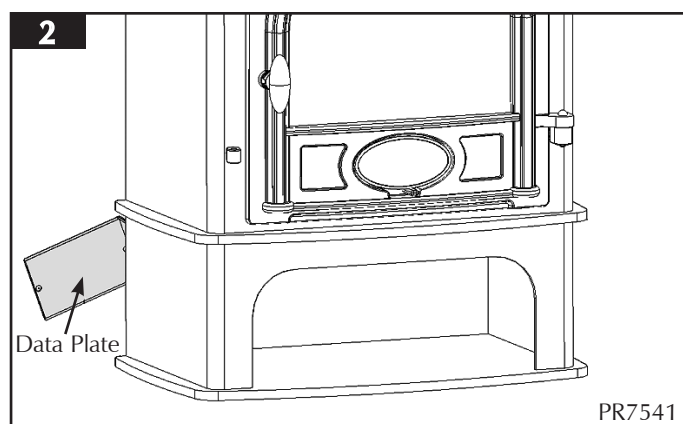
### Stockton 3, 4, 5, 6, 7, 8, 11

For most Stockton models the data plate is found under the front of the stove ashlip. See Diagram 1



### Stockton 5 Midline

The data plate is found on a swing out data plate located on the back of the stove on the left hand side. See Diagram 2



## AIR CONTROLS

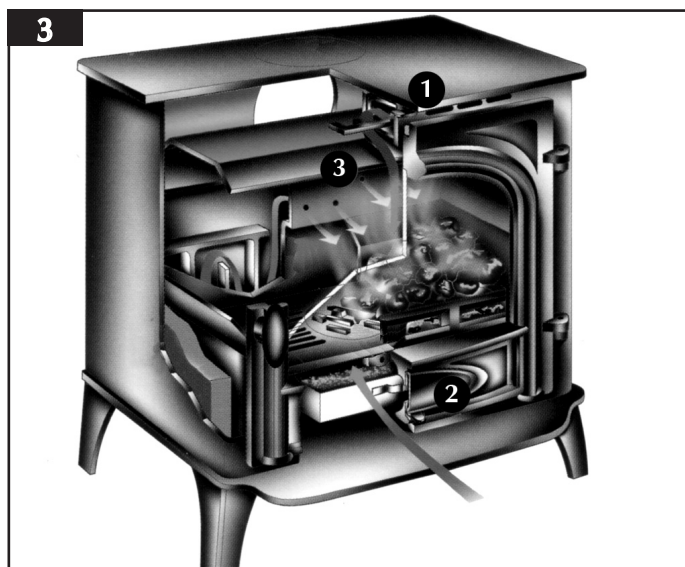
### Triple Air Systems

Several Stovax appliances have triple air systems providing cleaner burning, and greater efficiency and control, See Diagram 3

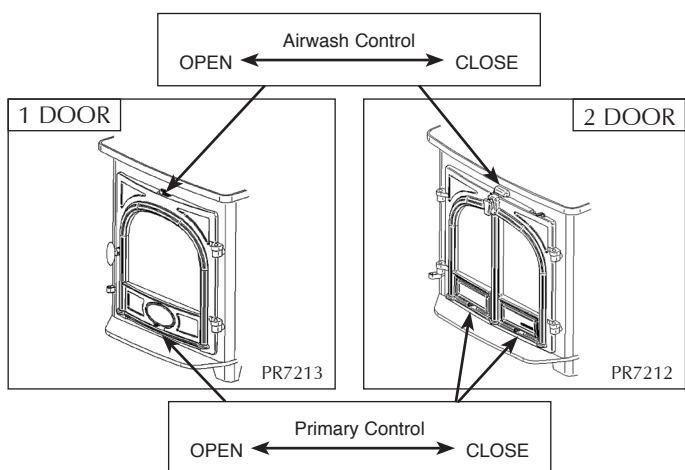
- 1) Airwash - air drawn over the window cleans the glass. The source of Primary Combustion air when burning wood.
- 2) Primary Air - for use with solid fuel and initially with wood fires.
- 3) Cleanburn - Secondary air is preheated through a heat exchanger to combust unburned hydrocarbons, providing a cleaner and more efficient burn.

\*In the U.K: These products must conform to BS 6539, Fireguards for use with solid fuel appliances. If appliance is operating unattended they must conform to BS 3248

# USER INSTRUCTIONS



## AIR CONTROLS

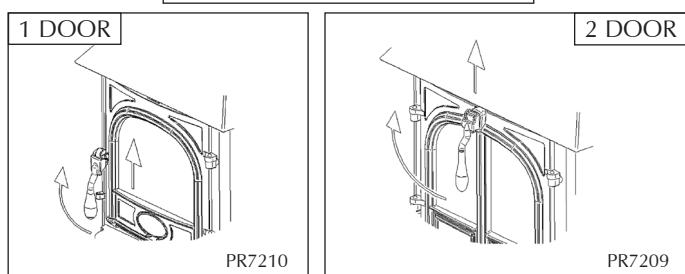


## DOOR HANDLE

1.14 Use a protected gloved hand to operate.

**DO NOT OPEN THE DOOR WITH BARE HANDS**

**To Open and Close**  
Drop tool over knob to fit. Lift and remove



## WARNING

**Properly installed, operated and maintained this appliance will not emit fumes into the room.**

Occasional fumes from de-ashing and refuelling may occur.

**Persistent fume emission is potentially dangerous and must not be tolerated.**

If fume emission does persist:

- Open doors and windows to ventilate the room
- Allow fire to burn out or safely dispose of fuel from the appliance
- Check for chimney blockage and clean if required
- Do not attempt to relight until the cause of the emission has been identified and corrected  
If necessary seek expert advice.

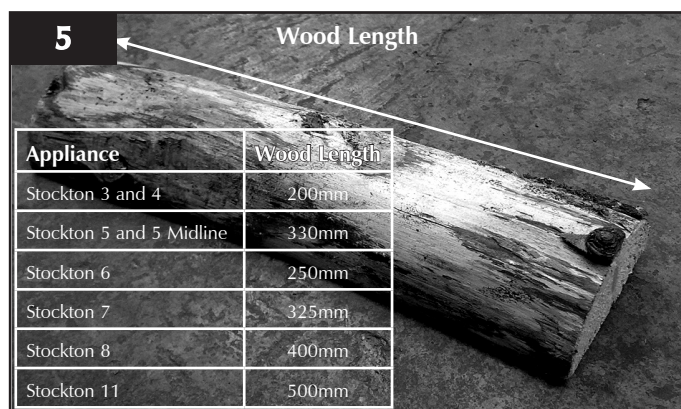
## 2. USING THE APPLIANCE FOR THE FIRST TIME

- 2.1 To allow the appliance to settle and fixing glues and paint to fully cure:
  - Operate the appliance at a low output for first few days
- 2.2 **Do not touch the paint during the first period of use.**
- 2.3 During this time the appliance may give off some unpleasant odours:
  - Keep the room well ventilated to avoid a build-up of fumes.

## 3. RECOMMENDED FUELS

### 3.1 Wood Logs:

- Burn only seasoned timber with a moisture content of less than 20%



- Dry cut wood for 12 to 18 months before use

# USER INSTRUCTIONS

Poor quality timber:

- Causes low combustion efficiency
- Produces harmful condensation
- Reduces effectiveness of the airwash and life of the appliance

**Do not burn construction timber, painted, impregnated / treated wood, manufactured board products or pallet wood.**

### 3.2 Solid fuel:

- Burn only anthracite or manufactured briquette smokeless fuels listed as suitable for use with closed heating appliances

**Do not burn bituminous coal, 'petro-coke' or other petroleum based fuels as this will invalidate the product guarantee.**

### 3.3 Fuel consumption.

As tested at nominal heat output to the requirements of EN 13229: 2001 for intermittent operation:

Description	Fuel Consumption	
	Kg/hour Wood	Kg/hour Briquette Smokeless fuel
Stockton 3	1.4	0.7
Stockton 4	1.4	0.7
Stockton 5/5ML	1.5	0.7
Stockton 6/6HL	1.9	0.9
Stockton 7	2.4	1.1
Stockton 8	2.8	1.3
Stockton 11	3.5	N/A

### 3.4 For advice on suitable solid fuels:\*

- Contact your local approved coal merchant

A number of factors can affect the performance of the appliance. See Section 8 for details.

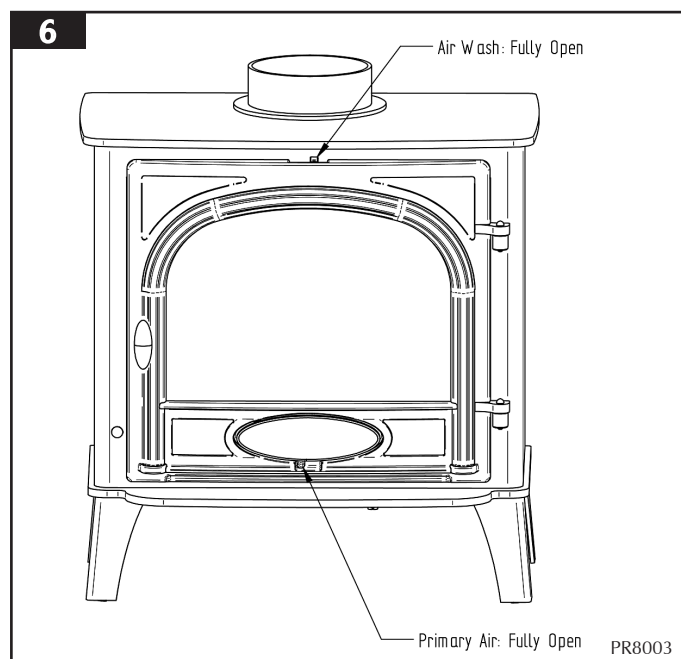
\*In the U.K:

- Ring the Solid Fuel Association advice line on 0845 601 4406 for details
- Visit their web site at [www.solidfuel.co.uk](http://www.solidfuel.co.uk)

## 4. LIGHTING THE APPLIANCE

### 4.1 For best results:

- Set air controls, See Diagram 6



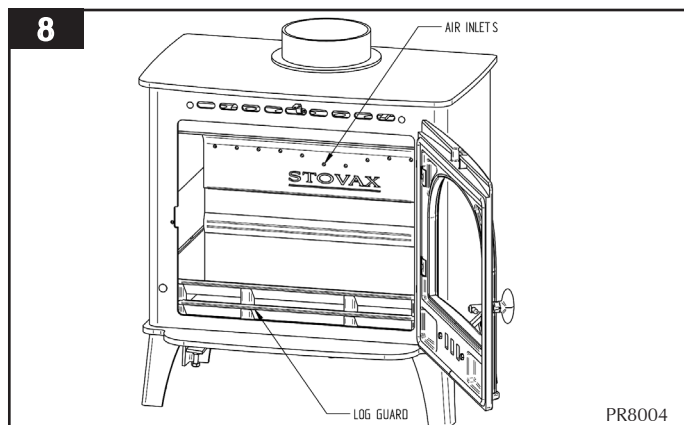
- Place firelighters or paper and dry kindling wood on the grate
- Light the paper or firelighters, See Diagram 7



- Leave the door slightly open as the fire establishes and the glass warms to avoid the build-up of condensation
- Add larger pieces of wood  
Too many logs may smother the fire.

**Do not load fuel above the log guard and the secondary combustion inlets at the back of the firebox.**  
See Diagram 8

# USER INSTRUCTIONS

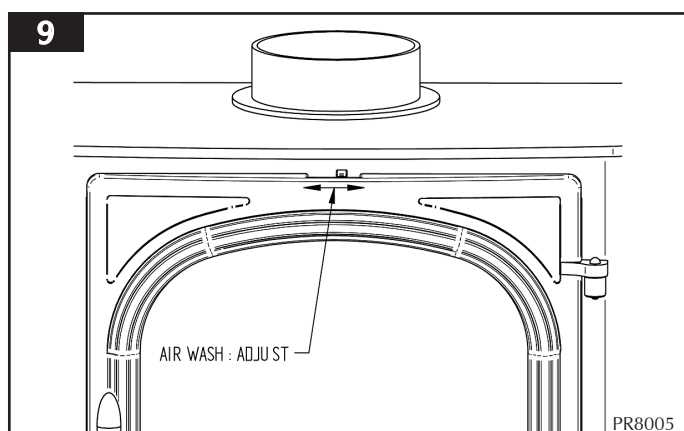


- Close the door if desired.
- Use a sparkguard if running with the doors open

## 5. RUNNING THE APPLIANCE

### 5.1 Burning Wood:

- Close the **Primary air control** (multi-fuel versions only) and use the **Airwash** to control the burn rate when appliance is at operating temperature, see Diagram 9



- Wood burns best on a bed of ash
  - Rake the embers evenly over the fire bed and open the **Airwash control** fully for a few minutes before re-fuelling
- 4.2 Burn new logs at high output for a few minutes before adjusting the **Airwash control**. Refuel little and often for clean, efficient burning.
  - 4.3 Experience establishes settings to suit personal preferences.
  - 4.4 Do not burn large amounts of fuel with the **Airwash control** closed for long periods of time. This reduces the glass cleaning effect and causes tars and creosotes to build-up in the appliance and flue system.
  - 4.5 When in use, burning the appliance at high output for a short period also reduces tars and creosote.

### 5.2 Burning Solid fuel:

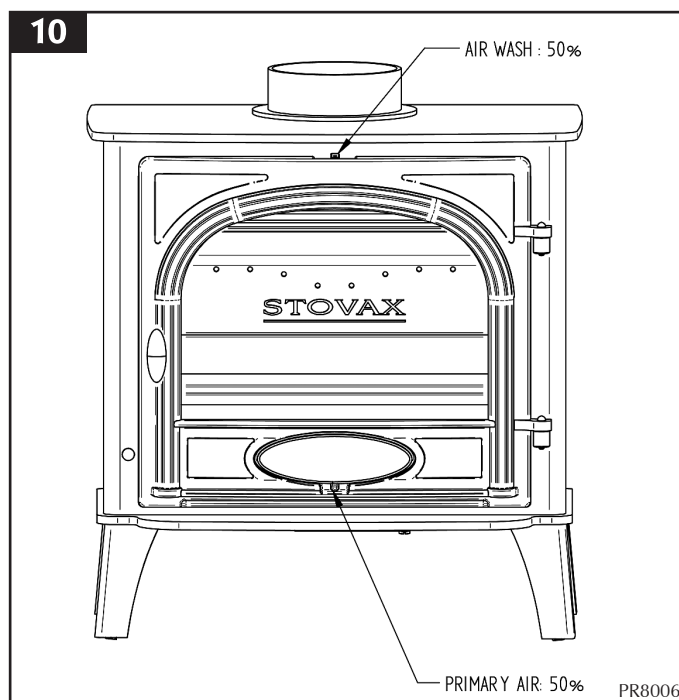
To burn solid fuel efficiently in a wood version the multi-fuel kit should be fitted.

Multi-fuel kit part numbers:

Appliance	Part No.
Stockton 5 (all)	7108
Stockton 6 (all)	7117
Stockton 7	7109
Stockton 8	7111
Stockton 8 Slimline	7111SL

Only for use with recommended fuels, see **Installation Section** for full fitting details.

- Set air controls, See Diagram 10



### 5.2 De-ash the fire bed before re-fuelling, See *Ash Removal*

- Open the **Primary air control** fully to establish a glowing bed before adding new fuel
  - Burn new fuel at high output for a few minutes before adjusting the **Primary air control** to the desired setting
  - Refuel little and often for clean, efficient burning.
- 5.3 Experience establishes control settings to suit personal preferences
  - 5.4 Do not burn large amounts of fuel with the **Primary Air Control** on low settings for long periods of time. This reduces the glass cleaning effect of the airwash and causes tars and creosotes to build-up in the appliance and flue system.

# USER INSTRUCTIONS

5.5 When in use, burning the appliance at high output for a short period also reduces tars and creosote.

5.6 **You must burn only anthracite or smokeless fuels suitable for use in closed appliances.**

5.7 **Do not burn bituminous coal, 'petro-coke' or other petroleum based fuels as this invalidates the product guarantee.**

**Do not load fuel above the log guard and the secondary combustion inlets at the back of the firebox.**

See Diagram 8

## 6. BURNING TIPS

### 6.1 Fuel Quality (Wood)

Use wood with a moisture content of less than 20%. Seasoned logs have the bark beginning to lift and peel away and cracks radiating from the centre. They feel lighter than fresh cut wood of a similar size and sound hollow when struck against each other. Logs should not feel damp or have moss and fungal growths.

Symptoms related to wet wood:

- Difficulty starting and keeping a fire burning well
- Smoke and small flames
- Dirty glass and/or firebricks
- Rapid creosote build-up in the chimney
- Low heat output
- Short burn times, excessive fuel consumption and blue/grey smoke from the chimney

- Burn at high output for a short period to avoid large build-ups of tars and creosote within the appliance and the flue system
- Use Stovax Protector chimney cleaner to reduce this problem

### 6.2 Fuel Quality (Solid Fuel)

- Use recommended solid fuels approved for use with closed appliances.

Symptoms related to unsuitable fuels include:

- Difficulty starting and keeping a fire burning well
- Smoke and small flames
- Dirty glass and/or firebricks
- Short life span for grate, baffles and internal firebricks
- Permanent staining of glass

### 6.3 Air inlets puffing smoke

Combustion gases build up in the firebox and ignite as small explosions, causing smoke to puff out of the air inlets and other openings. This occurs if the air controls are shut soon after adding new fuel to a very hot fire. Stop by opening the air controls to increase combustion air and burning rate.

### 6.4 Flue Draught

The chimney has two main functions:

- 1) To safely remove the smoke, gases and fumes from the house.
  - 2) To provide a sufficient amount of draught (suction) in the appliance ensuring the fire keeps burning.
- Draught is caused by the rising hot air in the chimney when the appliance is lit.

Symptoms of poor performance related to flue draught include:

- Excessive fuel consumption (high flue draught)
- Poor burning control, overheating (high flue draught)
- Wind noise from air controls (high flue draught)
- Difficulty getting a fire going and keeping it burning well (low flue draught)
- Low heat output (low flue draught)
- Smoke entering room when doors opened (low flue draught)

The construction, position, size and height of the chimney all affect the performance of the flue draught.

Other factors effecting the flue draught include:

- Trees or other buildings nearby causing turbulence
- High and gusty winds
- Outside temperature
- Outside weather conditions
- Incorrect additional ventilation to building
- Blocked flue / chimney

For advice on the correction of persistent flue problems consult a qualified solid fuel heating engineer before continuing to use the appliance.

### 6.5 Weather conditions

The weather conditions outside the building can effect the burning performance of the appliance. These could include:

Weather Conditions	Problem	Effect
<b>Windy days</b>	Buildings/Obstacles cause turbulent air around chimney.	Smoky Appliance
<b>Calm days</b>	Oversized Chimney.	Smoky Appliance
<b>Damp / Rainy days</b>	Flue temperature not hot enough. Rain water inside chimney.	Lighting and burning problems

To reduce these problems:

- Use good quality kindling wood to start the fire
- Burn initially at a high temperature for a short period
- Fit a rain cowl to the chimney

Your installer should advise you on possible solutions.

If the appliance emits smoke into the room continuously:

- Close the air controls and allow the appliance to go out
- Ventilate the room to clear the fumes



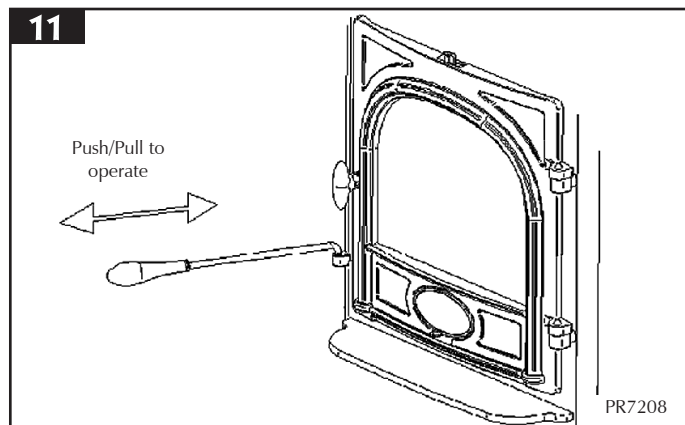
# USER INSTRUCTIONS

Do not re-light the appliance until the problem is solved.

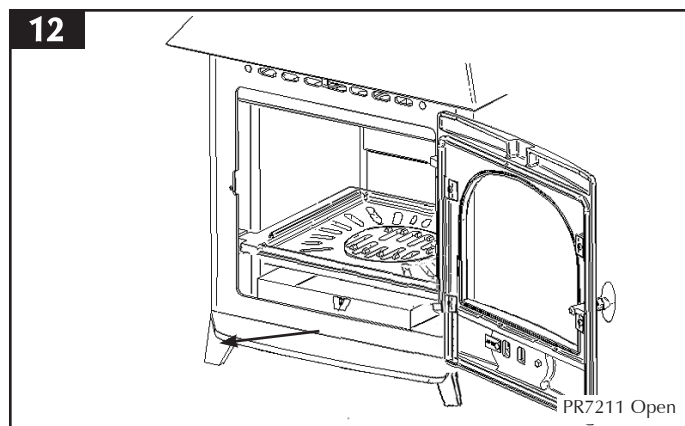
## 7. ASH REMOVAL

### 7.1 All Fuels when Multi-fuel kit is fitted:

- Riddle, See Diagram 11



- Open Doors, See Diagram 12



- Remove Ashpan carefully  
Heat can remain long after use.
- Use gloves, or place the ash into a Stovax Ash Caddy (Stovax Part No. 4227)
- Remove ash at least once every week when burning wood
- Do not place hot ash in a bin made from plastic or any other combustible material

## 8. OVER NIGHT BURNING

- 8.1 It is possible to get the appliance to burn over night. In order to do this:
- De-ash prior to final refuelling
  - Set air controls to low combustion settings  
This will blacken the glass over night but it will clear when operated at high output for a short period.
  - Use smokeless fuel or small, thick logs depending on fuel desired

## 9. OVER-FIRING

- 9.1 Do not over-fill with fuel or use at maximum output for long periods or over-firing can occur. If the flue pipe, flue collar or top plate glow red the appliance is over-firing:
- Close the air controls to reduce the output
- 9.2 Over-firing can cause permanent damage to the appliance.

## 10. CHIMNEY FIRE

- 10.1 If a chimney fire occurs:
- Shut all air controls immediately
  - Evacuate the building
  - Call the fire brigade
  - Do not re-enter the building until it is confirmed safe
- 10.2 **Do not use the appliance after a chimney fire until:**
- It has been inspected by a registered installer, confirming the appliance is safe to use\***
  - The chimney system inspected and swept by a chimney sweep, confirming the system is structurally sound and free from obstruction before re-use.\*\*
  - It is repaired as required before re-use.** Use only genuine Stovax replacement parts to keep your appliance in safe and efficient working order.

In the U.K:

\* registered with HETAS (GB only)/INFO (Republic of Ireland only)

\*\*This should be done by a NACS registered (UK only)/INFO registered (Eire only) chimney sweep, who will issue you with a certificate.

















































