STOVAX

Fire Your Imagination

Stockton Double

Freestanding Stove Range

Instructions for Use, Installation & Servicing

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

IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423:2002 IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

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.

CE

PM215 Issue 4 (January 2012)

Contents

Stockton 8 & 11Double- Freestanding Stove Range

Covering the following models:

7113SD/7113SDHC
7116SD/7116SDHC

This appliance has been approved by HETAS Ltd.

WARRANTY

Your Stovax retailer provides you with a Two Year Warranty for your new product. However, this specifically excludes naturally wearing parts or 'consumables' and the use of unauthorised fuels.

Some Stovax products will also qualify for a Five Year Warranty on cast iron parts such as cast iron carcasses and cast iron doors of steel bodied stoves. Again, this excludes naturally wearing cast iron parts.

For these extended warranties to be valid your stove must have been installed in accordance with the manufacturer's instructions and the second and subsequent year's warranties are dependant on the appliance being serviced within 12 months of installation by an appropriately qualified engineer and annually thereafter.

Please check the Warranty Statement on the Stovax website www.stovax.com for up-to-date list of conditions.

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 ☐
Clearance to combustible materials checked	YES ☐	NO ☐
Instruction book handed to customer	YES ☐	NO ☐
CO Alarm Fitted	YES ☐	NO ☐

Signature: ..... Print Name: .....

Getting Started

Welcome

Congratulations on purchasing your Stockton Double stove, if installed correctly Stovax hope it will give you many years of warmth and pleasure for which it was designed.

The purpose of this manual is to familiarise you with your stove, and give guidelines for its installation, operation and maintenance. If, after reading, you need further information, please do not hesitate to contact your Stovax retailer.

1. General Points

1.1 Before installation and/or use of this appliance please read these instructions fully and carefully to ensure that you have fully understood their requirements.

The appliance must be fitted by a registered installer†, or approved by your local building control officer.

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. Do not place furniture or other items such as drying clothing closer than 1m from the front of this appliance.

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.

‡In the U.K. these products must conform to the latest edition of BS 8423, Fireguards for use with solid fuel appliances.
If appliance is operating unattended they must conform to the latest edition of BS 3248

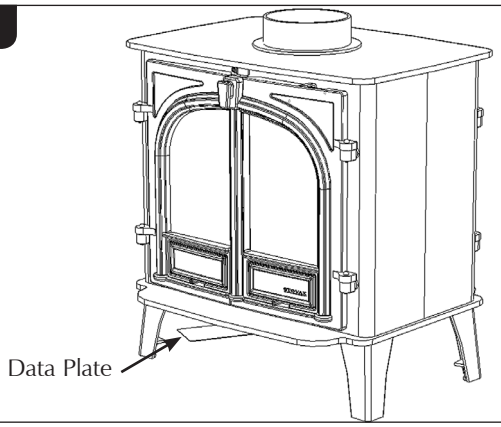
***Registered on the Competent Persons Scheme (GB only see page 24/ INFO (Republic of Ireland).**

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

1



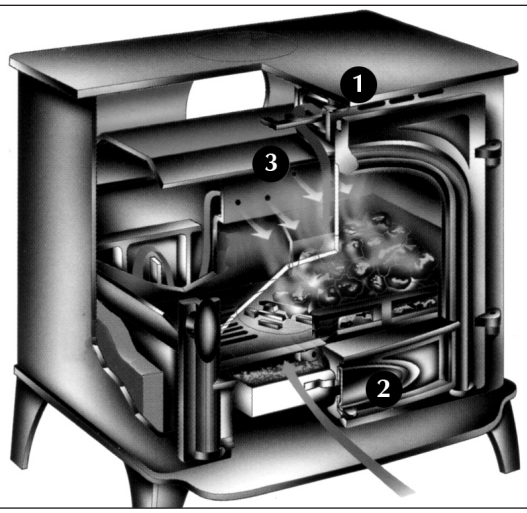
Air Controls

Several Stovax appliances have triple air systems providing cleaner burning, and greater efficiency and control,
See Diagram 2

1) Airwash - air drawn over the window cleans the glass.
The source of Primary Combustion air when burning wood.

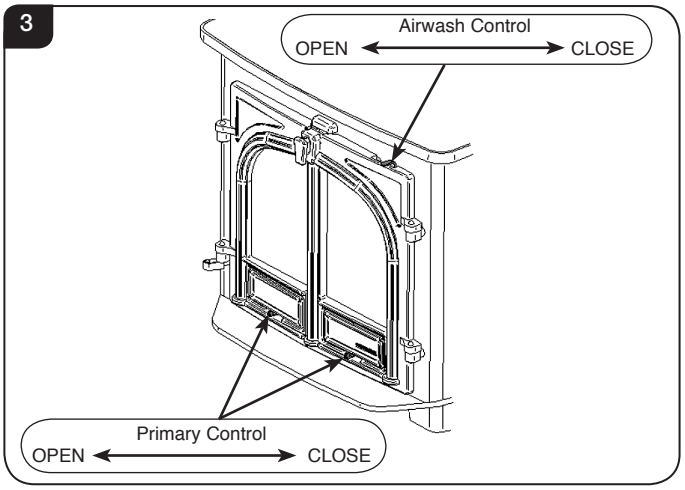
2) Primary Air - for use initially when establishing fires.

2



Air Controls

3



Door Handle

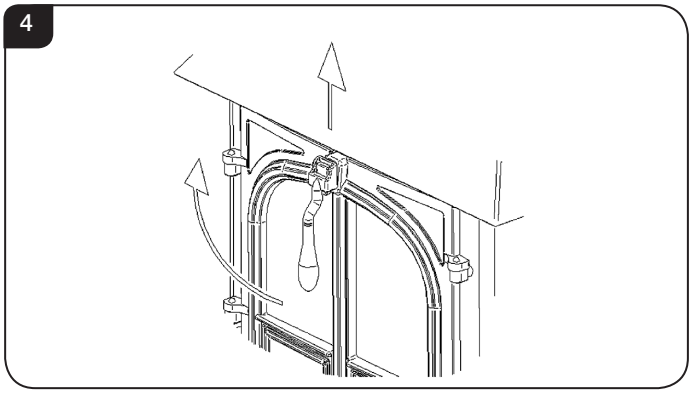
DO NOT OPEN THE DOOR WITH BARE HANDS

DO NOT OPEN THE DOORS WHEN THE FIREBOX IS FULL OF FLAMES - WAIT FOR THEM TO DIE DOWN.

1.14 To open and close.

Drop tool over knob to fit. Rotate $^1/_4$ turn clockwise to open. Rotate $^1/_4$ turn anticlockwise to close.

4



Lift to remove tool.

Warning
Do not force the handle to turn more than $^1/_4$ as damage may occur.

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.

• Leave the room.

• Allow fire to burn out and 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.

• All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the house. Because of this an electronic carbon monoxide detector conforming to the latest edition of BSEN50292 must be fitted in the same room as the appliance. The existence of an alarm must not be considered a substitute for ensuring regular servicing and maintenance of the appliance and chimney system.

IF THE ALARM SOUNDS FOLLOW THE INSTRUCTIONS GIVEN UNDER WARNING ABOVE.

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 temperature 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.

2.4 Please be aware that, during use, rope seals may discolour. This is normal.

Getting Started/User Instructions

3. Recommended Fuels

3.1 **Wood Logs:**

Burn only seasoned timber with a moisture content of less than 20%. To ensure this allow cut wood to dry for 12 to 18 months.

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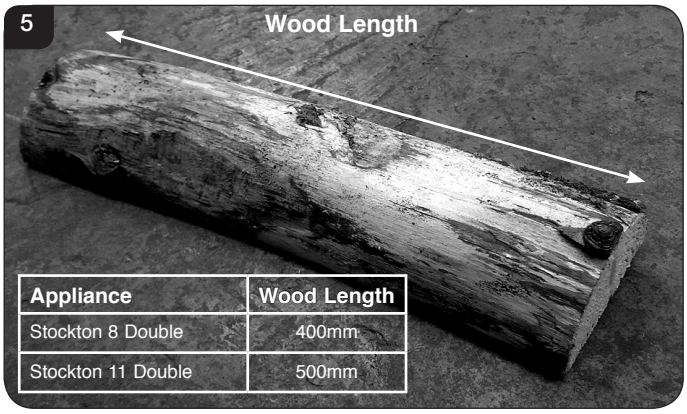


Appliance	Wood Length
Stockton 8 Double	400mm
Stockton 11 Double	500mm

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 8 Double	2.8	1.3
Stockton 11 Double	3.5	N/A

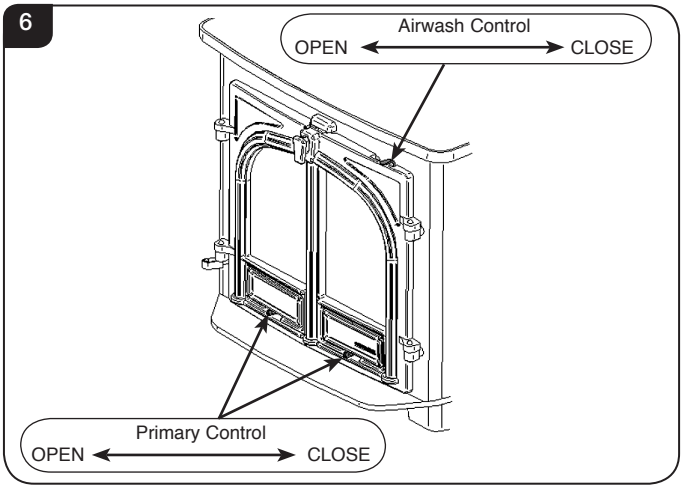
3.4 For advice on suitable solid fuels contact your local approved coal merchant*.

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

4. Lighting the Appliance

4.1 For best results set air controls as shown in Diagram 6.

6



4.2 Place firelighters, or paper, and dry kindling wood on the grate (Multi-fuel version) or firebed (Woodburning version).

4.3 Light the paper or firelighters (See Diagram 7).

7

4.4 Leave the door slightly open as the fire establishes and the glass warms to avoid build up of condensation.

4.5 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).

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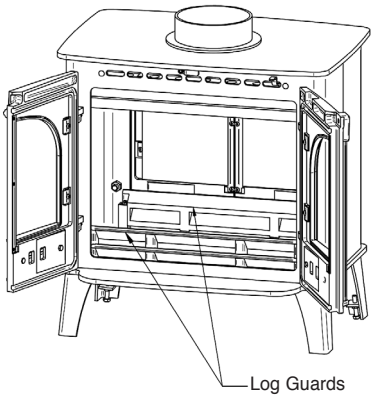


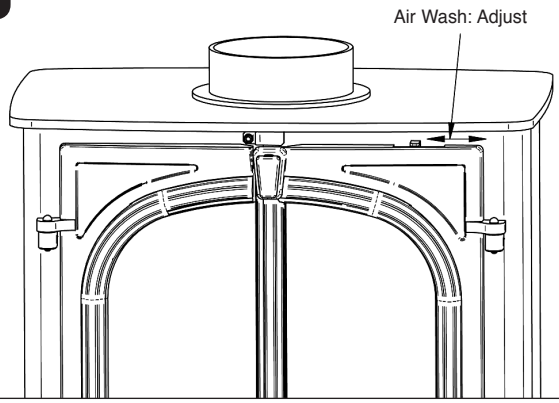
—Close the door if desired.

5. Running the Appliance

Wood Burning Stove

5.1 Close the **Primary air control** and use the **Airwash** to control the burn rate when appliance is at operating temperature, see Diagram 9.

9



Wood burns best on a bed of ash (approx. 25mm (1") deep).

Rake the embers evenly over the firebed and open the **Airwash Control** fully for a few minutes before re-fuelling.

5.2 Burn new logs at a high temperature for a few minutes before adjusting the **Airwash Control**. Refuel little and often for clean, efficient burning.

5.3 Do not burn large amounts of fuel with the **Airwash Control** closed 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.

5.4 When in use, burning the appliance at a high temperature for a short period reduces tars and creosotes.

5.5 Experience establishes settings to suit personal preference.

Smoke Control version

5.6 Add a small amount of kindling and open the air controls if the firebed is low when the appliance is refuelled.
This helps re-establish the fire.
Do not close the air controls until the fire is burning well.

Converting Woodburning models

5.7 To burn wood and smokeless fuels efficiently in a woodburning appliance a cast iron multi-fuel kit must be fitted. This also allows the efficient combustion of wood.

Multi-fuel kit part numbers:

Appliance	Part No.
Stockton 8 Double	7111SDCE
Stockton 11 Double	7112SDCE

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

Multi-fuel Stove

5.8 Allow the fire to become established.
Before adding the solid fuel:

—Set air controls, See Diagram 10.

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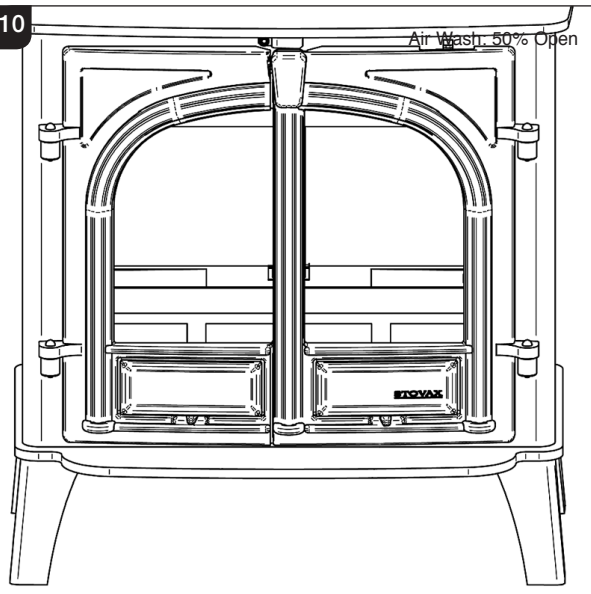


Primary Air: 50% Open

User Instructions

5.9 De-ash the grate before re-fuelling (see *User Instructions, Section 7*).

Open the **Primary Air Control** fully to establish a glowing bed before adding new fuel.

Burn new fuel at a high temperature for a few minutes before adjusting the **Primary Air Control** to the desired setting.

Refuel little and often for clean, efficient burning.

5.10 Experience establishes settings to suit personal preference.

5.11 Do not burn large amounts of fuel with the **Primary Air Control** on a low combustion setting 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.

5.12 When in use, burning the appliance at a high temperature for a short period reduces tars and creosotes.

5.13 **Only anthracite or smokeless fuels suitable for use in closed appliances must be burned in this appliance**.

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

5.15 **Do not load fuel above the log guard and the Secondary Air Inlets at the back of the firebox** (see Diagram 8).

Shut Down

5.16 If there is still burning fuel in the firebox, Stovax do not recommend shutting down the air controls completely unless there is a chimney fire in progress (see section 9 for advice). Closing the controls during the burning process will cause poor combustion and could lead to a build up of gasses that could ignite dangerously.

5.17 Always have enough air entering the stove to maintain some flame within the firebox.

5.18 If it is necessary to shut down the appliance then run on a high setting until all of the fuel has been burnt before closing the air controls.

6. Extended Burning

6.1 It is possible to get the appliance to burn for extended periods of time. In order to do this:

— De-ash prior to final refuelling.

— Set air controls to low combustion settings. This will gradually blacken the glass but it will clear when operated at a high temperature for a short period.

7. Ash Removal

Do not allow ash to build up as it may cause damage and adversely effect the performance of the appliance. Warning: Ash can remain hot long after appliance has been in use.

7.1 **Wood versions only.**

—Open Doors (see Diagram 11).

—Leave a layer of ash to start the new fire on. Wood burns best on a bed of ash (approx. 25mm (1") deep).

—Remove ash with a small shovel and place into a Stovax Ash Caddy (Stovax Part No. 4227) or other suitable container.

Do not place hot ash in any container made from plastic or any other combustible material.

—De-ash at least once a week.

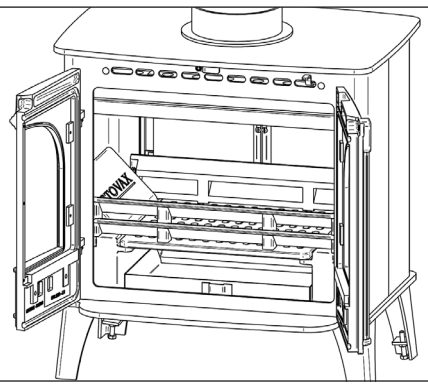
7.2 **Multi-fuel Versions**

De-ash the appliance before filling with new fuel. Do not allow ash to build up on the underside of the grate as this can cause premature failure.

—Open Doors, see Diagram 11.

— De-ash with a poker.

11



Warning: Ash can remain hot long after appliance has been in use.

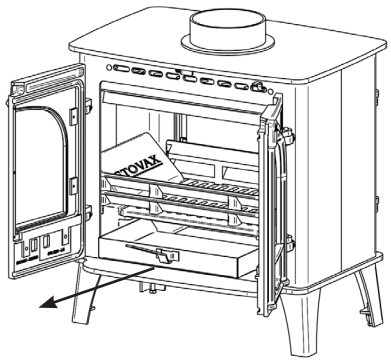
Using gloves, carefully remove ashpan using tool supplied (see Diagram 12).

‡In the U.K. these products must conform to the latest edition of BS 8423, Fireguards for use with solid fuel appliances.

If appliance is operating unattended they must conform to the latest edition of BS 3248

***Registered on the Competent Persons Scheme (GB only) see page 28/ INFO (Republic of Ireland).**

12



Place the ash into a Stovax Ash Caddy (Stovax Part No. 4227) or other suitable container.

Check and remove ash as often as required when burning solid fuel.

De- ash at least once a week.

Do not place hot ash in a container made from plastic or any other combustible material.

8. Over-Firing

8.1 Do not over-fill with fuel or run at high temperatures for long periods or over-firing can occur.
DO NOT OPERATE THE APPLIANCE WITH THE PRIMARY AIR CONTROL OPEN FOR LONG PERIODS OF TIME AS THIS COULD CAUSE OVER-FIRING AND MAY CAUSE PERMANENT DAMAGE.

8.2 **Over-firing can cause permanent damage to the appliance and invalid the product warranty.**

9. Chimney Fire

9.1 **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.**

9.2 **Do not use the appliance after a chimney fire until:**
a) **It has been inspected by a registered installer*, confirming the appliance is safe to use.**

b) The chimney system has been inspected and swept by a chimney sweep, confirming the system is structurally sound and free from obstruction**.

c) **It is repaired as required before re-use.** Use only genuine Stovax replacement parts to keep your appliance in safe, efficient working order.

10. General Cleaning

10.1 Clean and inspect the appliance regularly, especially in periods of heavy use. Regular cleaning and maintenance will help give many years of safe use.

Allow appliance to cool thoroughly to avoid risk of burns.

Clean regularly, according to level of use.

Remove the ash completely (see *User Instructions, Section 7*).

Check internal components for damage - grates, bricks, baffles - and for obvious build up of soot, ash or debris above the flue baffle(s) (these can be found in the upper part of the firebox). Use a torch if necessary.

If there are any signs of a build up of debris above the flue baffle(s) either:

— Arrange for the chimney to be swept (see *User Instructions, Section 12*).

— Remove the baffles and clear the debris (see *Pre-Installation Instructions, Sections 4*).

To refresh painted finishes use Stovax Thermolac black paint.

Do not use aerosol sprays near an operating appliance.

11. Cleaning Glass

Keep the glass clean with correct use of the Airwash system and good quality fuel.

11.1 Sometimes additional cleaning may be required.

This can be done as follows:

— Allow appliance to cool fully. **Do not clean hot glass.**

— Use a soft cloth and suitable cleaner.

11.2 **Do not use cleaning agents that have a high alkaline content, for example Stovax Gel Cleaner, on appliances with painted glass such as the Studio, View or CL. These are abrasive cleaning agents that are designed to be used with heavily stained clear glass. Use Stovax Glass Cleaner (Stovax No.4103) on more delicate surfaces**.

Do not use acidic cleaners on printed glass.

11.3 Before re-lighting the appliance dry the glass fully.

User Instructions

12. Chimney Sweeping

12.1 To maintain safe and efficient use of the appliance, the chimney/flue must be inspected and swept at least once a year by a qualified chimney sweep**.

If the appliance is used continuously throughout the year, or it is used to burn wood, more frequent sweeping is recommended.

The best time to have the chimney swept is at the start of the heating season.

12.2 The chimney, any connecting flue pipe and the appliance flue ways, if incorporated, must be regularly cleaned.

12.3 Ensure adequate access for cleaning where it is not possible to sweep through the chimney.

12.4 If the chimney is believed to have previously served an open fire it must be swept a second time within a month of regular use after installation.

13. Care Of Stove

Stovax has a range of cleaning and maintenance products and accessories to keep your appliance in good working order. Your Stovax retailer can advise you on suitable items for your stove and provide genuine spare parts such as replacement glass, door sealing rope and firebricks. View the extensive range at www.stovax.com by clicking on *Accessories*. In addition, an annual service by a competent engineer is recommended to keep your stove in the best possible condition.

14. Seasonal Use

18.1 Clean and service the appliance if not used during the warmer months, as detailed in the *Maintenance and Servicing* section.

18.2 Set the air controls to 50% to keep the appliance ventilated and stop the build-up of any moisture inside.

18.3 Before re-lighting the appliance:

—Remove the baffles.

—Clear any debris that may have accumulated.

—Check the flue is clear of any blockages.

Troubleshooting

Troubleshooting

	Symptom	Cause	Solution
OPERATION	Difficulty starting the fire and keeping it burning well	Low flue draught	Consult your installer
		Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Poor burning control	High flue draught	Consult your installer
	Short burn times	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Excessive heat output (Over firing)	High flue draught	Consult your installer
		Air control left fully open	Close air control to reduce output
	Low heat output	Low flue draught	Consult your installer for advice on suitable flue system
		Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Excessive fuel consumption	High flue draught	Consult your installer for advice on suitable flue system
		Over dry wood	Do not use constructional timber or pallet wood
SMOKE EMISSIONS	Smoke and small flames	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Intermittent smoke spillage into room when appliance door is opened	Low flue draught	Consult your installer for advice on suitable flue system
		Incorrect additional ventilation air in to building	Consult your installer
	Continuous smoke spillage into room when appliance in use	Blocked flue	Open all doors and windows to ventilate the room. Allow the fire to burn out. Check flue for blockage. Do not re-use until cause of spillage is identified. Consult your installer for advice
	Blue/grey smoke from chimney	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
ADVERSE WEATHER	Windy days, intermittent smoke spillage into room when appliance door is opened	Down draught in flue caused by air turbulence caused by nearby buildings or trees	Weather conditions combined with the flue terminal position can have an effect on the appliance performance. Consult your installer
	Calm days, intermittent smoke spillage into room when appliance door is opened	Over size flue giving poor flue draught	Weather conditions combined with the flue terminal position can have an effect on the appliance performance. Consult your installer
	Damp/Rainy days lighting and burning problems	Flue temperature low / rain water inside flue	Use good quality wood to start and maintain the fire, consult your installer to fit a rain cowl
	Wind noise from the air control	High flue draught	Consult your installer for advice on suitable flue system

Troubleshooting

	Symptom	Cause	Solution
THE APPLIANCE	Rapid creosote build-up in the chimney	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content). Operate at a high temperature for short periods each time the appliance is used to avoid large build-ups of tars and creosotes
	Tar coming from flue joints	Appliance operated at continuous low temperatures	Operate at a high temperature for short periods each time the appliance is used to avoid large build-ups of tars and creosotes. See user instructions for correct use of air control
		Using poor quality wood	Use dry seasoned wood (less than 20% moisture content)
	Strong pungent smell after the appliance is lit	Appliance operated at continuous low output	Operate at high output for short periods. See user instructions for correct use of air control
		Using poor quality wood	Use dry seasoned wood (less than 20% moisture content)
	Wind noise from the air control	High flue draught	Consult your installer for advice on suitable flue system
	Dirty firebricks	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Dirty glass	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	Glass blackening	Using poor quality wood	Use dry seasoned wood (less than 20% moisture content)
		Low flue draught	Consult your installer for advice on suitable flue system
		Incorrect use of air control	See user instructions for correct use of air control
		Appliance operated at continuous low temperatures	Operate at high output for short periods. See user instructions for correct use of air control

FLUES

The flue system has two main functions:

- To safely remove the smoke, fumes and combustion gases from the building.
- To provide a sufficient amount of flue draught (suction) in the appliance to ensure the fire keeps burning.

The flue draught is caused by rising hot gases when the appliance is lit.

Tar and creosote are a major cause of chimney fires. If the appliance experiences problems with tar build up consult a chimney sweep before continued use of the appliance.

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

Installation Checklist

Please Note

This section is intended to give an overview of the product performance and essential information required for installing the appliance.
It is intended for qualified engineers who are already familiar with Stovax products.
For full details and expanded information please see the Technical Appendix at the back of this manual.

1. Riva Vision Dimensions

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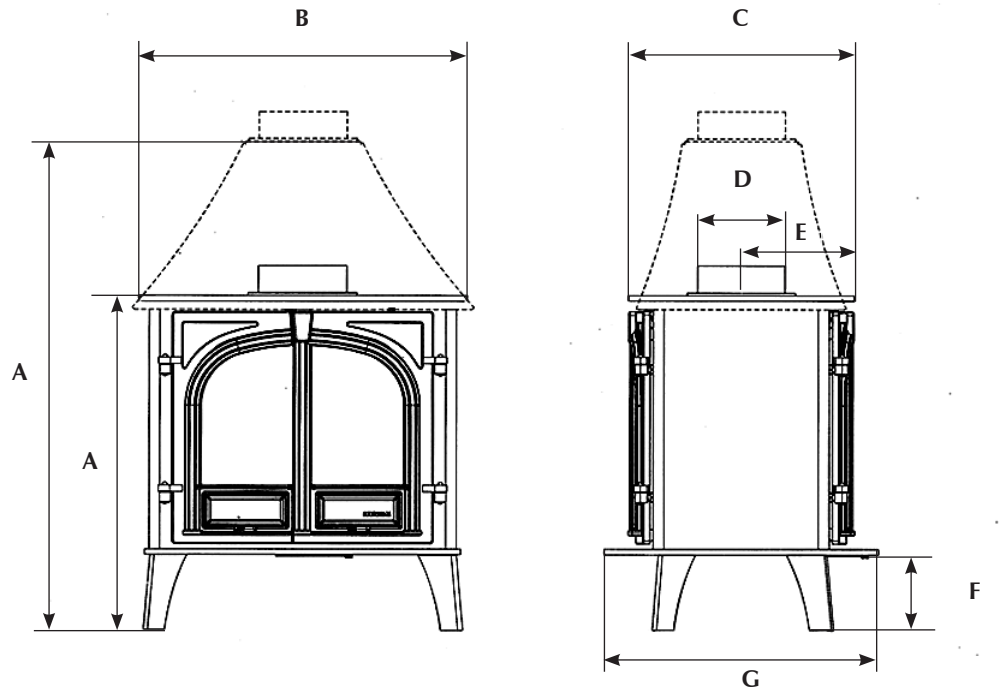


Description	Model	A	B	C	D	E	F (dia)	G
Stockton 8 Single Double Flat Top	7113SD	620	603	417	152	209	140	507
Stockton 8 Single Double High Canopy	7113SDHC	905	628	388	152	209	140	507
Stockton 11 Single Double Flat Top	7116SD	677	726	462	152	231	162	575
Stockton 11 Single Double High Canopy	7116SDHC	1100	758	432	152	231	162	575

All dimensions in mm. (25.4 mm = 1″)

‡In the U.K. Additional information covering the installation of the appliance may be found in the following British Standards: BS6461, BS6999, BS8303.

Installation Checklist

2. Essential Information

GENERAL

Model: Stockton 8 Single Depth/ Double Sided Stockton 11 Single Depth/Double Sided			**Stockton 8 Single/ Double**	**Stockton 11 Single/ Double**
Nominal Heat Output	Wood	kW	9	11
	Solid Fuel	kW	9	11
Efficiency	Wood	%	74.6	75.3
CO @ 13% O_2	Wood	%	0.230	0.180
	Solid Fuel			
Weight		Kg	1114	148

Recommended Fuels	Wood	Seasoned Wood (less than 20% moisture content)
	Solid Fuel	Briquette smokeless fuel suitable for closed appliances (Ancit-Phuracite-Taybrite-Homefire Ovals)

As tested to the requirements of EN 13240 for intermittent operation

FLUES

Flue/Chimney Size	Without Liner system round (Diameter)	mm	150	150
		inch	6	6
	Without Liner system (square) minimum dimension	mm	135	135
		inch	$5^1/_2$	$5^1/_2$
	With Liner of Factory made system (diameter) installed in accordance with manufacturers instructions	mm	150	150
		inch	6	6
Flue/Chimney minimum height**	All products **must be 4.5m from the hearth to the top of the flue, with no horizontal sections and a maximum of 4 bends. Bends must have angles of less than 45 degrees from the vertical.	m	4.5	4.5
		feet	15	15
Flue Draught	Min	mm Wg	1.0	1.0
	Nominal		1.5	1.5
	Max		2.0	2.0
Flue Gas Mass Flow	Wood	g/s	7.9	9.5
	Solid Fuel	g/s	8.5	7.7
Flue Gas Temperature at Spigot/Socket	Wood	^oC	369	468
	Solid Fuel	^oC	369	468
Flue Outlet Size (Top or Rear Option)		mm	150	150
		inch	6	6

European Min Spec for Chimney Flue - T400 NZ D3 GXX

VENTILATION

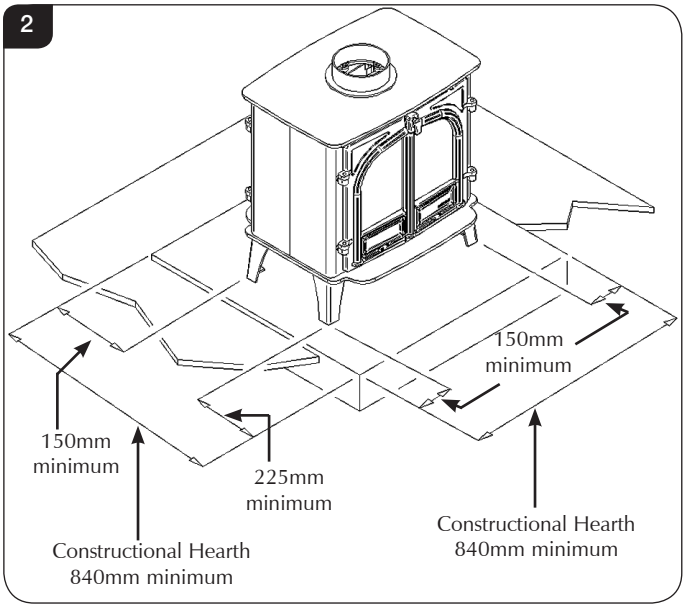
A) Traditionally Built Homes • Where leakage is greater than $5m^3/hour/m^2$. • Ventilation normally required = $550mm^2$ per kW output over 5kW			**B) Modern Construction Homes** • Where leakage is less than $5m^3/hour/m^2$. • Ventilation normally required = $550mm^2$ per kW	
A	Additional Ventilation	mm2	2200.00	3300.00
		cm2	22.00	33.00
		in2	3.55	5.32
B	Additional Ventilation	mm2	4950	6050
		cm2	49.50	60.50
		in2	7.99	9.76

For full technical details on ventilation see Technical Appendix on Page 25

Installation Checklist

3. Minimum Dimensions - Hearth

2



3.1 The appliance must stand on a non-combustible constructional hearth which is at least 125mm thick with the minimum dimensions as shown in diagram.

3.2 If this appliance is installed in an elevated setting it is recommended to increase the 225mm hearth depth to safely contain any falling logs or embers. The higher the appliance is installed the deeper the hearth should be to avoid scorched floor coverings.

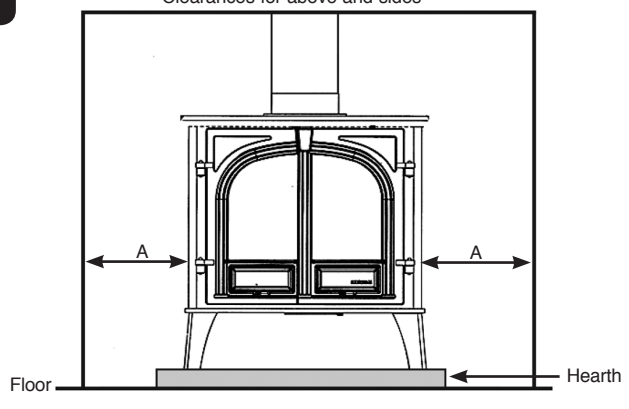
4. Walls Next To Hearth

IMPORTANT: INSTALLATION MUST COMPLY WITH CURRENT BUILDING REGULATIONS.

When installing a Vision stove it is important to observe the following clearances to combustible materials.
Also ensure that a clearance of 1 meter is maintained in front of the appliance when operating.

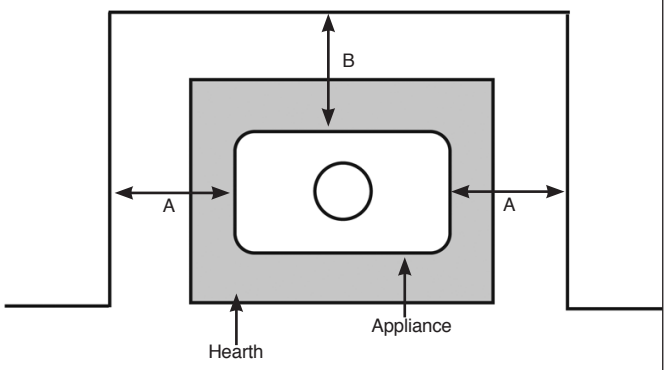
3

Clearances for above and sides



4

Clearances for rear and sides of appliance



Model	A (side)	B (Rear)
Stockton Double 8	300	500
Stockton Double 11	300	700

Pre-Installation/Installation Instructions

1. General

1.1 To make the installation of the appliance easier it is best to remove the internal components before fitting into the builders opening/studwork.

PACKING LIST

All Models:

- User & Installation Instructions
- Guarantee card

STANDARD FEATURES

All Models:

- Primary air (under grate air for full multi-fuel use)
- Airwash (for wood burning / clean glass)

1.2 For the best results removing the following components as set out below.

2. Removal of the Log Guard

2.1 To remove the Log guard:

— Lift Log Guard clear of the supporting brackets.

— Rotate to clear the sides of the door opening.

Do not use appliance without the log guard in position.

1. Installing The Appliance

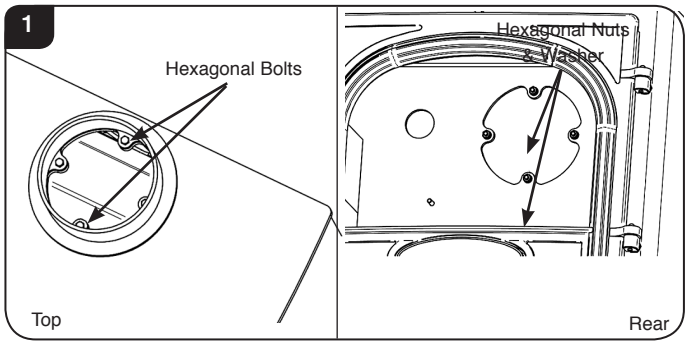
Each installation is unique to the property so it is not possible to give details to suit every setting. The installation must comply with Building Regulations and be made using "best practice" construction methods.

The Stovax Studio models differ from Gas burning models and the clearance to combustible materials is greatly different due to the higher temperatures that the appliance can reach. Extra care must be taken when creating a builders opening. Pay careful attention to the distance to combustible materials recommended and ensure the housing for the appliance is built from non-combustible material.

Many fireplace openings have a supporting lintel. Do not remove without supporting the remaining structure of the building. **Do not support the structure with the appliance or the flue system.**

1.1 **Take care when installing the appliance. Careless handling and use of tools can damage the finish and/or area**.

Choose top or rear flue exit, Diagram 1.

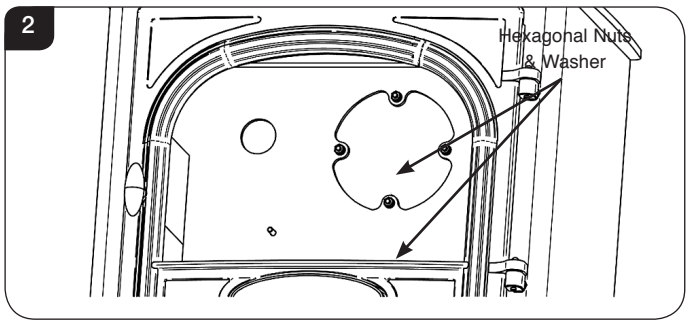


—Fit flue collar and blanking plate to suit.

—Attach flue collar to top or rear with hexagonal bolts, see Diagram 1.

—Seal collar with fire cement.

—Secure blanking plate with hexagonal bolts, Diagram 2.



1.2 **Top flue pipe installation**

—Lift appliance into position.
Take care not to damage the hearth finish.

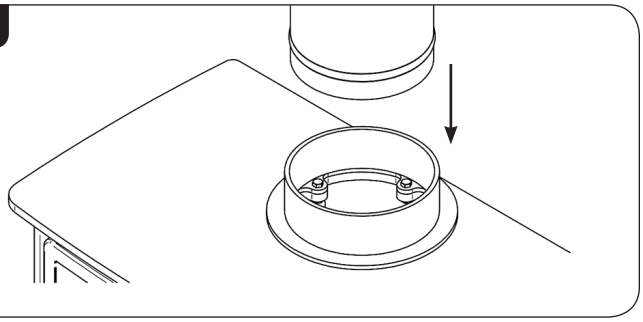
—Level the appliance.
Connect appliance to the chimney using flue pipe.

Installation Instructions

—Secure with self tapping screw.

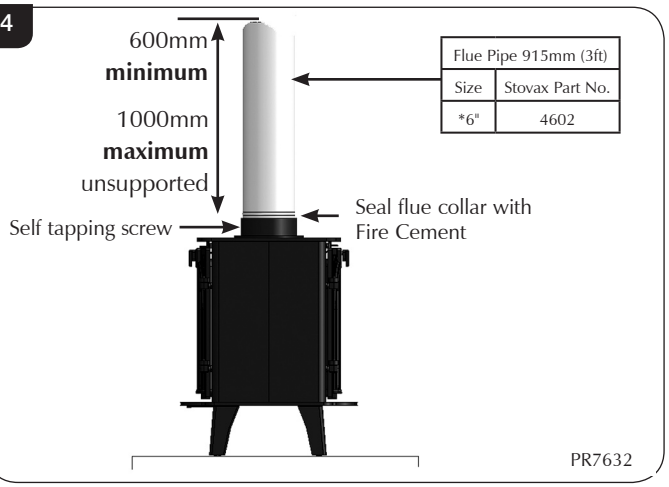
—Seal the connecting joints with fire cement.

3



The Flue must be installed in accordance with manufacturers instructions.

4



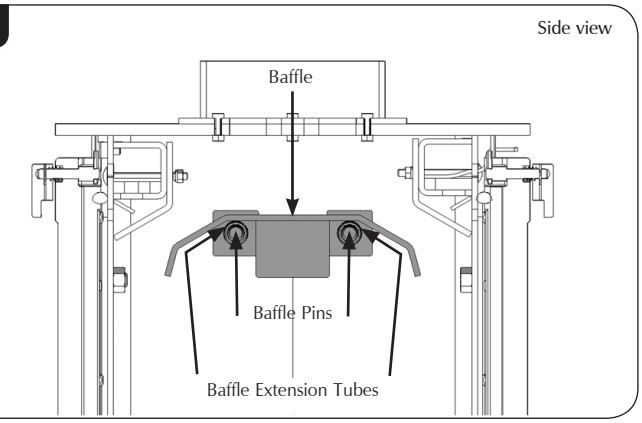
Flue Pipe 915mm (3ft)	
Size	Stovax Part No.
*6"	4602

2. Fitting of the Baffle

2.1 The appliance is fitted with a Baffle in the top of the firebox to maintain efficient combustion, see Diagram 5.

2.2 Allow the appliance to cool fully before removing Baffle.

5



2.3 To fit the Baffle, open door and remove Log Guard to give access to firebox.

2.4 To position the Baffle:

• Manoeuvre the Baffle into the appliance and lie it across the firebox.

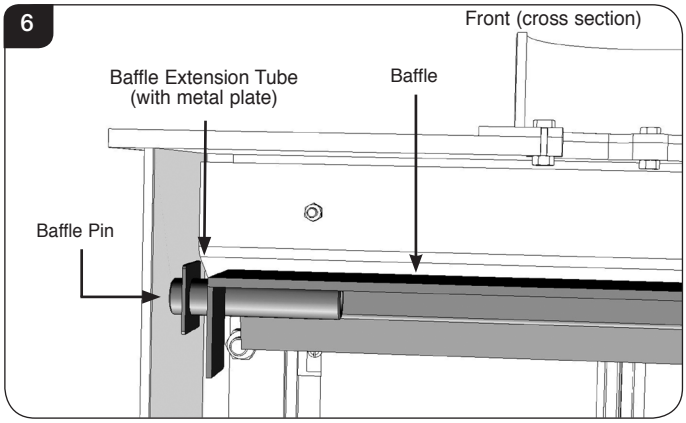
• Lift one end and rest it on the Baffle Pins on one side. Push the Baffle as far to that side as possible.

• Raise the opposite end above the Baffle Pins on the opposite side and insert the Baffle Extension Tubes over the Baffle Pins.

Ensure the metal plates at the end of the extension tubes are next to the side of the firebox, see Diagram 6.

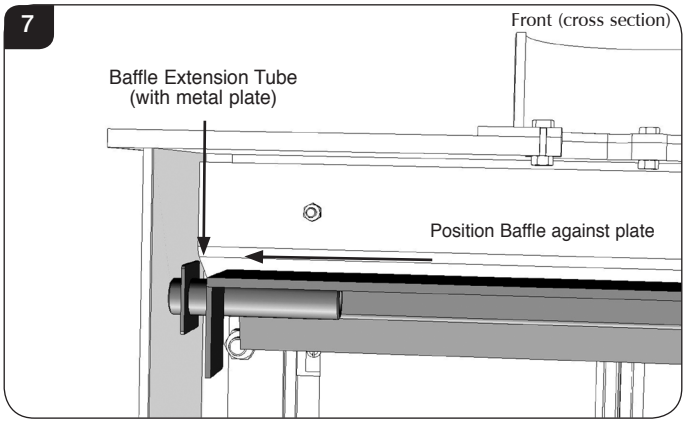
• Lower the end of the Baffle to rest on the extension tubes, see Diagram 6.

6



The metal plates should now be trapped between the side of the firebox and the Baffle to ensure the Baffle Extension Tubes do not slide off, see Diagram 7.

7



2.5 Raise the other end of the Baffle and attach remaining Baffle Extension Tubes to the Baffle Pins in the same manner.

• Lower the Baffle onto these tubes.

2.6 Centre the Baffle.

2.7 The removal of the Baffle is the reverse of the previous.

2.8 Replace damaged Baffles immediately.

2.9 Clean as instructed in User Instructions, Section 14.

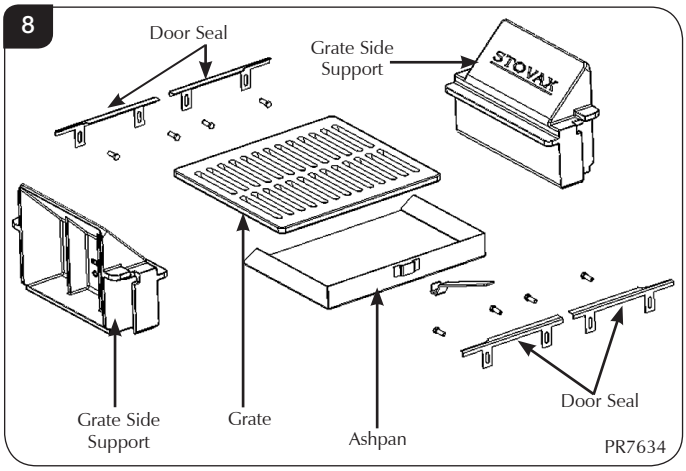
Do not modify the Baffle system.

3. Fitting of the Multi-fuel Grate

3.1 To burn smokeless fuels a cast iron Multi-fuel kit must be fitted. This kit allows the efficient combustion of both wood and solid fuel.

3.2 • Remove the Log Guards from both sides of the stove.

8



• Position the Grate Side Supports on the base of the stove against the sides of the firebox.

• Put the main Grate on the flat ledges of the Grate Side Supports.

• Ensure the Grate sits flat on the supports.

• Refit the Log Guards.

• Slide the Ashpan under the Grate.

3.3 Fit additional seals to the back of each door using new fixing bolts.

These additional door seals should pass under the front edge of the Grate and can be adjusted to the correct fit.

• Check door closes and seals correctly.

4. CO Alarms

All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the house. **Building regulations require that whenever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance. Further guidance on the installation of the carbon monoxide alarm is available in the latest edition of BS EN50292 and from the alarm manufacturer's instructions.**

Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance and chimney system.

† England and Wales – Document J / Scotland - Part F/Document J (Republic of Ireland only)
‡ the latest edition of BS 8303, BS EN 15287, BS 7566
***Registered on the Competent Persons Scheme (GB only) see page 11 / INFO (Republic of Ireland).**
****Health and Safety at Work Act 1974**

Commissioning

Commissioning

1.1 To commission:

— Replace the baffle and log guard.

— Check the door alignment and catch operation and adjust if required (see *Installation Instructions, Section 5*).

— Check the soundness of door seals, castings and joints.

— Check the operation of the air controls.

1.2 Now carry out a final smoke draw test:

— Warm the flue with a blowlamp, or similar, for about 10 minutes.

— Place a smoke pellet on the centre of the grate, with the air controls open.

— Close the door. Smoke should now be drawn up the flue and be seen to exit from the flue terminal.

— Complete test with all doors and windows closed in the room where the appliance is fitted.

— If there are any extractor fans in adjacent rooms the test must be repeated with the fans running on maximum and with interconnecting doors open.

— Check the effect of ceiling fans during the test.

If the test fails, re-check the suitability of the flue system and ventilation. An inadequate air supply to the room is potentially dangerous.

— Light the appliance and slowly increase the temperature.

— Ensure no combustion products enter the room.

— Open the main fire door when the appliance reaches operating temperature and carry out a spillage test with a smoke match or pellet around the door opening.

1.3 If excessive spillage occurs allow the appliance to cool and re-check the flue system and ventilation.

1.4 Finally:

— Explain to the user the safe operation of the appliance, use of the controls and the importance of only using suitable fuels.

— Ensure that a CO alarm has been fitted and make the user aware of its operation and importance, referring them to the Warning section on page 5 of the User Instructions.

— Explain the cleaning and routine maintenance requirements.

— Explain the requirement to use a suitable fireguard when children, elderly or infirm persons are near the appliance.

— Record retailer/supplier and installer details in Appliance Commissioning Checklist (page 3, Instructions for Use).

— Record serial number in Appliance Commissioning Checklist (page 3, Instructions for Use).

This number is required when ordering spare parts and making warranty claims.

— Give this instruction manual to the customer.

Certificate Of Compliance

Upon completing the installation, the form below (found in Approved Document J) must be filled in to comply with the requirements of the building inspector. The installer must give theses details, including their HETAS registration number, for the purposes of any insurance details that may change as a result of the appliance being installed.

Hearth, fireplace, flues and chimneys

The checklist can help you to ensure that hearths, fireplaces, flues and chimneys are satisfactory. If you have been directly engaged, copies should also be offered to the client and to the Building Control Body to show what you have done to comply with the requirements of Part J. If you are a sub-contractor, a copy should be offered to the main contractor.

1. **Building address, where work has been carried out**.....	
2. **Identification of hearth, fireplace, chimney or flue.**	
3. **Firing capability: solid fuel/gas/oil/all.**	
4. **Intended type of appliance. State type or make. If open fire give finished fireplace opening dimensions.**	
5. **Ventilation provisions for the appliance: State type and area of permanently open air vents.**	
6. **Chimney or flue construction** a) **State the type and make and whether new or existing.** b) **Internal flue size (and equivalent height, where calculated – natural draught gas appliances only).** c) **If clay or concrete flue liners used confirm they are correctly jointed with socket end uppermost and state joining materials used.** d) **If an existing chimney has been refurbished with a new liner, type or make of liner fitted.** e) **Details of flue outlet terminal and diagram reference.** **Outlet detail:** **Complies with:** f) **Number and angle of bends.** g) **Provision for cleaning and recommended frequency.**	
7. **Hearth, form of construction. New or existing?**	
8. **Inspection and testing after completion** **Test carried out by:** **Test (Appendix E in AD J) and results** **Flue inspection** **visual** **sweeping** **coring ball** **smoke** **Appliance (where included) spillage**	

I/We the undersigned confirm that the above details are correct. In my opinion, these works comply with the relevant requirements in Part J of Schedule 1 to the Building Regulations.

Print name and title ..... Profession .....

Capacity ...(e.g. "Proprietor of Smith's Flues", Authorising Engineer for Brown plc)..... Tel no. .....

Address ..... Postcode .....

Signed ..... Date .....

Registered membership of ... (e.g. GasSafe, OFTEC, HETAS, NACE, NACS) .....

Maintenance & Servicing

For a complete list of spare parts and accessories contact your Stovax or call 01392 474011

1. Annual Service

1.1 Before the start of the heating season strip, inspect and clean the appliance as detailed:

—Allow appliance to cool.

—Remove all internal parts: baffle, log guard and grate (s*ee Installation Instructions, Sections 2, 3, 4 & 5*).

—Sweep the appliance at this point if necessary.

—Vacuum clean any remaining ash and debris from the inside of the appliance. Stovax offer a filter/collection attachment for vacuum cleaners to protect them from fire ash: Ash Clean (Stovax Part No. 2091).

—Check the parts for any damage. Replace any damaged parts using genuine Stovax replacements parts.

— Check and clean the firebricks with a soft brush. Some surface damage will occur during use. The life of the bricks will depend on the type of fuels burnt and the level of use. **Replace damaged bricks as soon as possible.**

— Re-fit cleaned internal parts.

— Do not use cleaning agents that have a high alkaline content, for example Stovax Gel Cleaner, on appliances with painted glass such as the Studio, View or CL. These are abrasive cleaning agents that are designed to be used with heavily stained clear glass. Use Stovax Glass Cleaner (Stovax No.4103) on more delicate surfaces.

Do not use abrasive cleaners to remove tar or soot deposits from the glass.

—Fit new door rope seal (see *Maintenance and Servicing, Section 4*).

—Lightly oil the door catch mechanism and hinge pins. Avoid getting oil onto the door seals and glass.

—To refresh painted finishes use Stovax Riva Thermolac black paint.

1.2 Use genuine Stovax replacement parts to keep the appliance in safe, efficient working order. This is a list of the maintenance products that may need be required:

Task	Product name	Stovax Code Number
Preventing build-up of creosote in flue	Protector (15 sachets)	7002
	Protector (1kg tub)	7025
Sealing flue pipe joints	Fire Cement (500g tub)	2020
	Fire Cement (600g cartridge)	2021
Re-painting	Riva Midnight Black (150ml aerosol)	RVAC011
Protecting your hands	Heat resistant leather gloves	4008
Door sealing rope	14mm Black rope seal (handy pack)	5702 (S1&2)
		5000 (S3)
	14mm Black rope seal (25m reel)	4203F (S1&2)
		4670 (S3)
Thermic seal glue	(50ml bottle)	5037
Ash Clean	Vacuum Cleaner Attachment	2091

These products, available from your local Stovax dealer, along with regular maintenance and use of correct fuels, will keep the appliance in the best possible condition.

1.3 For more information about the Stovax Group products please visit our web site at **www.stovax.com**

1.4 Burn at a low temperature for the first day of use after any maintenance. This allows the seals, fixing glues and paint to fully cure.

1.5 During this time the appliance may give off some unpleasant odours. Keep the room well ventilated to avoid a build-up of fumes.

1.6 Your Stovax dealer can carry out service and maintenance.

2. Removal of Internal Parts

2.1 To service and maintain the good working condition of your appliance it will be necessary to remove several internal parts. Consult the installation section for the following:

Door Assembly - Pre-Installation Section 2, page 16.

Log Guard - Pre-Installation Section 3, page 17.

Baffles - Pre-Installation Section 4, page 17.

3. Fitting a new Door Glass - All Models

To maintain safe use of the appliance damaged door glass must be replaced immediately. To do this:

— Remove the door by opening, removing the hinge pins and lifting the door free of the hinge blocks.

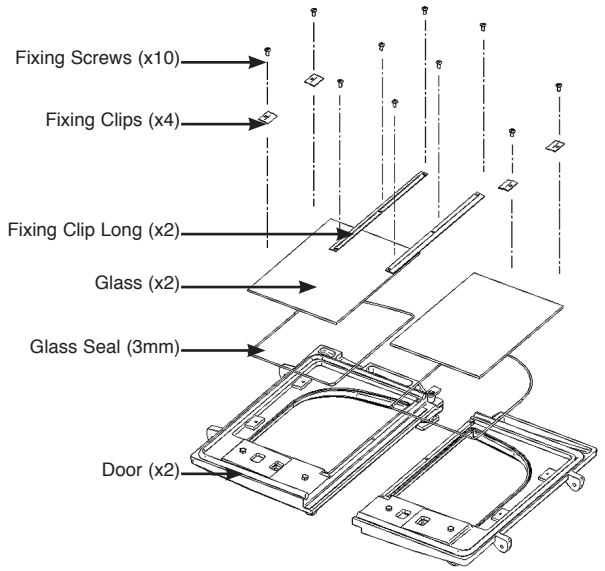
— Lay the door face down on a soft flat surface to protect the paintwork and glass.

— Remove the glass fixing clips and screws. The old glass can then be lifted clear of the door.

Note how the 3mm sealing rope is placed between the glass and the door.

— **Dispose of the old glass safely.**

1



— Clean and re-paint the rear of the door if required.

— Clean the screws with light oil and coat with high temperature anti-seize grease to aid future removal.

— Fit a new sealing rope and place the glass into position in the door.

— Place the glass fixing clips into position and re-fix with the clean fixing screws, tightening the screws evenly until glass is held securely (see Diagram 1).

Do not over tighten the screws as this could break the glass.

3.1 Fit only original Stovax ceramic glass, which is suitable to use in high temperature applications.

3.2 Using the appliance with damaged door glass could cause dangerous fumes to enter the room or the appliance to over-fire resulting in damage.

4. Fitting a new Door Seal - All Models

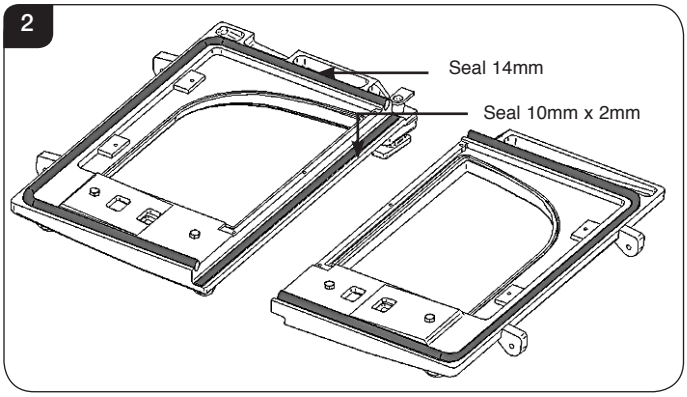
4.1 To maintain the safe use of the appliance damaged or worn door sealing rope must be replaced. To do this:

— Remove door from appliance by opening, removing the hinge pins and lifting the door free of the hinge blocks.

— Lay the door face down on a soft, flat surface to protect the paintwork and glass.

— Remove old rope and scrape old glue from locating groove.

2



— Clean the locating groove with a clean, dry cloth to remove all old dust and debris.

— Squeeze a generous bead of fresh Stovax Thermic Seal glue into the rope locating groove.

— Press the new Stovax rope into the locating groove, placing the joint in the middle of the lower edge of the door.

— Refit door and close to apply pressure to new rope.

— Leave the door(s) closed for at least 12 hours before lighting the appliance and run at a low temperature for approximately one day. This allows the adhesive to fully bond to the seal.

4.2 Using the appliance with a damaged door seal can cause dangerous fumes to enter the room, or the appliance to over fire resulting in damage.

Maintenance & Servicing

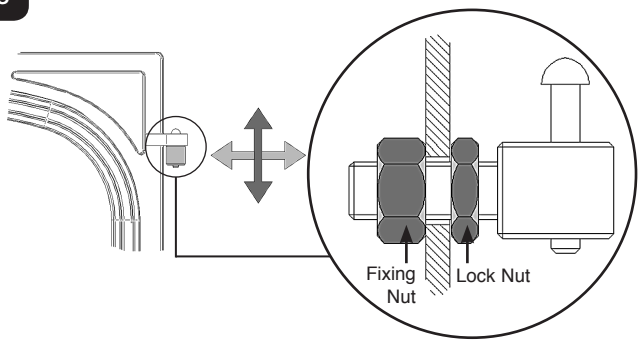
5. Adjusting the Door Hinges

5.1 To maintain the safe use of your appliance, you may need to adjust the door hinges to ensure the door closes safely and correctly.

5.2 To complete this operation:

Open the door to give access to the fixed part of the door hinge as shown.

3



Use a 19mm A/F spanner to loosen the fixing nuts.

Reposition the hinge blocks to achieve a correct fit -This may require several adjustments to find the correct position
— Use a 10mm A/F spanner to loosen the 3 M6 dome nuts The hinge pin assembly is slotted so it can be adjusted up or down and sideways approximately 3mm.

Once the desired position has been achieved ensure the dome nuts are firmly tightened against the hinge block assembly to maintain the position.

Organisations authorised to certify competence in the installation of domestic solid fuel appliances (Competent Persons Scheme):

APHC - Association of Plumbing and Heating Contractors (Certification) Ltd.
www.aphc.co.uk

BESCA - Building Engineering Services Competence Accreditation Ltd.
www.besca.org.uk

HETAS - Heating Equipment Testing and Approval Scheme Ltd.
www.hetas.co.uk

NAPIT - National Association of Professional Inspectors and Testers Ltd.
www.napit.org.uk

NICEIC - NICEIC Group Ltd.
www.niceic.org.uk

HETAS Approved Chimney Sweeps:

NACS - The National Association of Chimney Sweeps
www.chimneyworks.co.uk

APICS - The Association of Master Chimney Sweeps Ltd.
www.apics.org

The Guild of Master Chimney Sweeps -
guildofmasterchimneysweeps.co.uk

Technical Appendix

Legal Requirements

Before installation and/or use of this appliance please read these instructions carefully to ensure that all requirements are fully understood.

The appliance must be fitted by a registered installer*, or approved by your local building control officer.

It is very important to understand the requirements of the national Building Regulations† and standards‡, along with any local regulations and working practices that may apply. Should any conflict occur between these instructions and these regulations then the regulations must apply.

Your local Building Control Office can advise regarding the requirements of the regulations.

The appliance must be fitted by a registered installer* or approved by your local building control officer.

Works must be carried out with care to meet the requirements of Health and Safety‡ and comply with the Health and Safety rules**, and any new regulations introduced during the lifetime of these instructions. Particular attention should be drawn to:

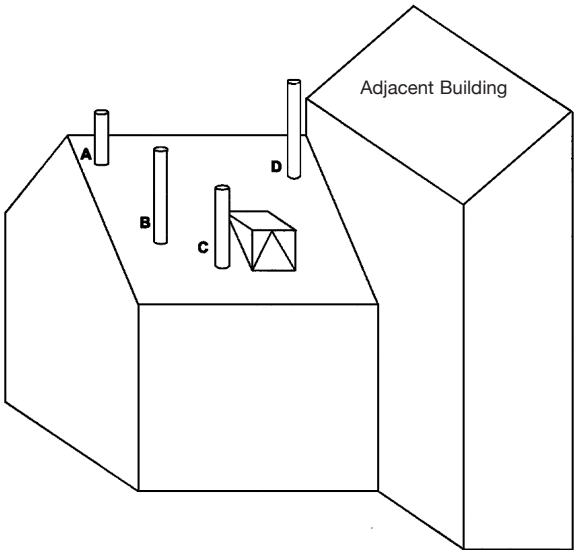
—**Handling**: The appliance is heavy. Adequate facilities must be available for loading, unloading and on site handling.
—**Fire Cement**: Some fire cement is caustic and must not come into contact with the skin. Protective gloves must be worn. Wash hands thoroughly with plenty of water after contact with skin.
—**Asbestos**: This appliance contains no asbestos. If there is the possibility of disturbing any asbestos in the course of installation seek specialist guidance and use appropriate equipment.
—**Metal Parts**: Take care when installing or servicing the stove to avoid personal injury.

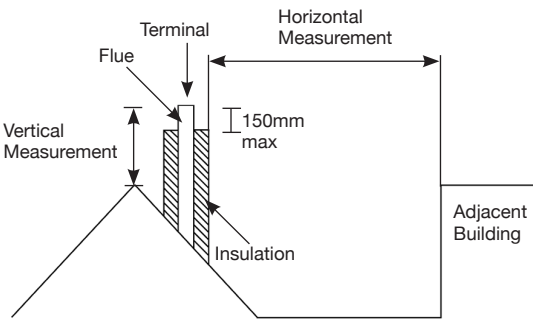
A faulty installation can cause danger to the inhabitants and structure of the building.

For users of this appliance:
Your building insurance company may require you to inform them that a new heating appliance has been installed on your property. Check that your cover is still valid after installing the appliance.

1. Flue Outlet Positions

These positions are defined by Document J of the Building Regulations.





The datum for vertical measurement is the point of discharge of the flue from either the point of discharge of the flue or 150mm above insulation, whichever is the lower.

IMPORTANT: Seek specialist advice if installing in a dwelling with a thatched roof

Point where the flue passes through weather surface (Notes 1 & 2)		**Clearances to flue outlet**
A	At or within 600mm of the ridge	At least 600mm above ridge
B	Elsewhere on roof (whether pitched or flat)	At least 2300mm horizontally from the nearest point on the weather surface and: a) at least 1000mm above highest point of intersection of the chimney with and the weather surface; or b) at least as high as the ridge
C	Below (on a pitched roof) or within 2300mm horizontally to openable rooflight, dormer window, or other opening (Note 3)	At least 1000mm above the top of opening
D	Within 2300mm of an adjoining or adjacent building, whether or not beyond the boundary (Note 3)	At least 600mm above any part of the adjacent of building within 2300mm

1) The weather surface is the building external surface, such as it's roof tiles or external walls.
2) A flat roof has a pitch less than 10°.
3) The clearance given for A or B, as appropriate, will also apply.
4) A vertical flue fixed to an outside wall should be treated as equivalent to an inside flue emerging at the nearest edge of the roof.

Technical Appendix - Flues

1. Flue or Chimney

1.1 The flue or chimney system must be in good condition. It must be inspected by a competent person and passed for use with the appliance before installation.

Products of combustion entering the room can cause serious health risks.

1.2 The following must be checked:

— The construction of the masonry chimneys, flue block chimneys and connecting flue pipe system must meet the requirements of the Building Regulations†.

— A flexible flue liner system can be used if certified for use with solid fuel systems and installation complies with manufacturer's instructions and Building Regulations†. The flue liner must be replaced when an appliance is replaced, unless proven to be recently installed and in good condition.

— If it is necessary to fit a register plate it must conform to the Building Regulations†.

— The minimum height of the flue or chimney must be 4.5m from the hearth to the top of the flue, with no horizontal sections and a maximum of 4 bends. Bends must have angles of less than 45 degrees from the vertical.

— Ensure the connecting flue pipe is kept a suitable distance from any combustible material and does not form part of the supporting structure of the building.

— Make provision to remove the appliance without the need to dismantle the chimney.

— Any existing flue must be confirmed as suitable for the new intended use as defined in the Building Regulations†.

— The flue or chimney systems must be inspected and swept to confirm the system is structurally sound and free from obstructions**.

— If the chimney is believed to have previously served an open fire it must be swept a second time within a month of regular use after installation to clear any soot falls that may have occurred due to difference in combustion levels.

— The flue exit from the building must comply with local building control rules†.

— Do not connect or share the flue or chimney system with another heating appliance.

1.3 Do not connect to systems containing large voids or spaces over 230mm square.

1.4 Suitable access must be provided to enable the collection and removal of debris.

1.5 The flue must be swept and inspected when the appliance is installed.

Flue Draught

The flue draught must be checked with all windows and doors closed and any extraction fans in this, or adjoining rooms, running at maximum speed (see Installation Checklist for ventilation requirements).

Twin Wall Flue System

If this appliance is to be used in conjunction with a twin wall flue system then Stovax recommend the use of their Professional XQ range. Details of this product are available from your Stovax retailer.

In the U.K:

***BS 6461: Part 1, and the requirements of Building Regulations**

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

† Building Regulations Document J

Flue Plate:
Where a hearth, fireplace, flue or chimney is provided or extended (including cases where a flue is provided as part of refurbishment work), information essential to the correct appliance and use of these should be permanently posted in the building, to meet Requirement J4 of the Building Regulations (England and Wales), F3.12 (Scotland).

Additional:
A new factory made system that complies to EN 1856; Part 1 can be used providing installation is to the requirements of:
i) BS 7566 Parts 1 -4
ii) the manufacturer's instructions
iii) Building Regulations.

For a guide containing information on Chimneys and Flues contact:
The British Flue & Chimney Manufacturers' Association,
FETA
2 Waltham Court
Milley Lane
Hare Hatch
Reading
Berkshire RG10 9TH

Tel: 0118 9403416 **e-mail: info@feta.co.uk**

Ventilation - Technical Appendix

2. Ventilation

2.1 Many older buildings are sufficiently ventilated by natural leakage of air to provide suitable air supply for an appliance of 5kW output or less.

Modern building techniques have reduced the amount of air that leaks in or out of a house. A modern construction with an air tightness of less than 5m^3 per hour per m^2 requires an air vent for **ALL** solid fuel appliances including those with a rated heat output of less than 5kW.

NOTE: The air leakage of a modern house is tested at the completion of construction and a certificate issued confirming this.

2.2 This appliance requires a constant supply of air to maintain proper combustion and effective flue performance.

2.3 An inadequate air supply can result in poor combustion and smoke entering the room which is potentially dangerous.

2.4 This supply of air can come from either:
— The natural leakage of air into the room in which the product is fitted.
— Purpose provided ventilation.
— Some Stovax appliances can also be fitted with an optional outdoor air kit which allows air to be drawn in from the outside.

2.5 The amount of air required must comply with local building regulations and the rules in force.

2.6 If spillage is detected during commissioning then there may be insufficient natural ventilation and an additional air supply will be necessary.

2.7 Permanent air vents should be non-adjustable and positioned where they are unlikely to be become blocked.

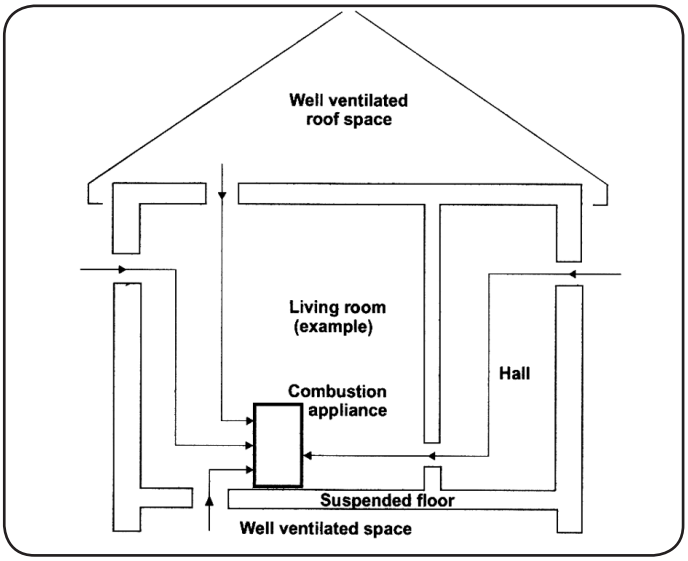
2.8 If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.

2.9 Site the vents where cold draught is unlikely to cause discomfort. This can be avoided by placing vents near ceilings or close to the appliance (See diagram).

2.10 Extractor fans or cooker hoods must not be placed in the same room or space as this can cause the appliance to emit fumes into the room.

2.11 Increase air supply provisions where a room contains multiple appliances.

2.12 **If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**



3. Minimum Dimensions - Hearth

3.1 The appliance must stand on a non-combustible constructional hearth which is at least 125mm thick with the minimum dimensions as shown in diagram.
As this appliance can be installed in an elevated setting it is recommended to increase the 225mm hearth depth to safely contain any falling logs or embers. The higher the appliance is installed the deeper the hearth should be to avoid scratched floor coverings.

3.2 The building must have a suitable load-bearing capacity for the hearth and appliance. Consult a structural engineer for advice before proceeding.

3.3 When fitting into an existing hearth check that the appliance complies with current construction regulations and is at least the minimum sizes shown.

3.4 If there is no existing fireplace or chimney it is possible to construct a suitable non-combustible housing and hearth setting. The flue must be installed in accordance with all local and national regulations and current rules in force.

3.5 Check if adding a new chimney to your property requires planning permission.

3.6 Some houses are built using a timber frame construction with high levels of thermal insulation. Isolate the appliance from combustible materials, and provide sufficient ventilation to maintain the heating efficiency.

4. Fitting Appliances On A Boat

4.1 If an appliance is to be fitted in a boat it must be done in accordance with the latest edition of BS 8511 (Code of Practice for the Installation of Solid Fuel Heating Appliances on Boats). The Code covers the design, installation and operation of solid fuel heating appliances that are suitable for fitting into inland waterway boats, and gives guidance on product selection, design considerations, installation requirements, inspection and testing, as well as maintenance and safe use tips.

Technical Appendix - Ventilation

4.2 Consideration should also be given to the requirements of the Boat Safety Scheme (BSS) to ensure the boat's insurance remains valid.

4.3 The appliance should only be installed by a competent person with experience of the latest edition of BS 8511 and the Boat Safety Scheme (BSS).

4.4 Secure the product to a suitably constructed non-combustible hearth.

4.5 All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the boat. An electronic carbon monoxide detector conforming to the latest edition of BSEN50292 must be fitted and maintained.

4.6 Failure to safely install the appliance could endanger the boat and persons on board.

Basic Spare Parts

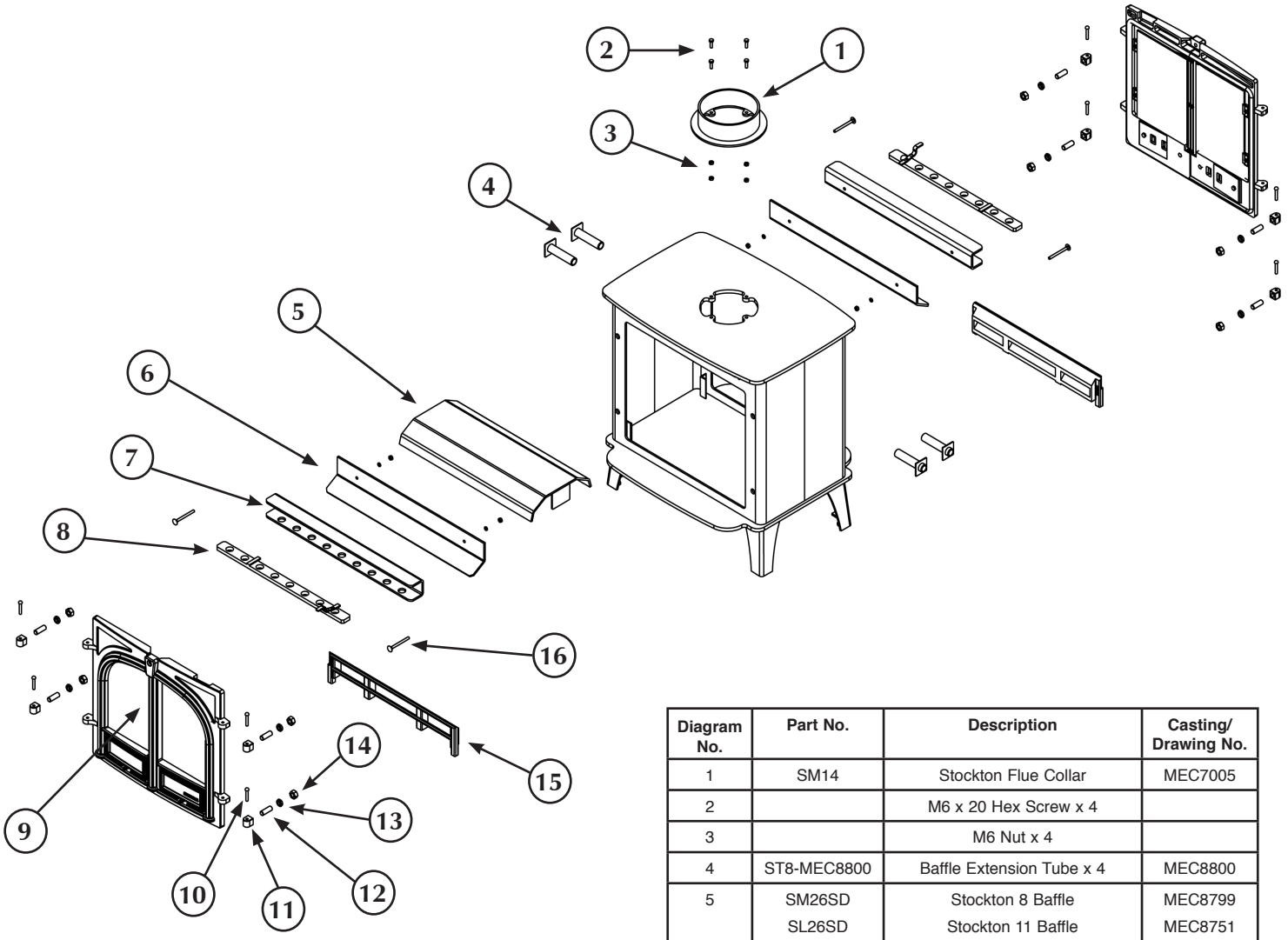
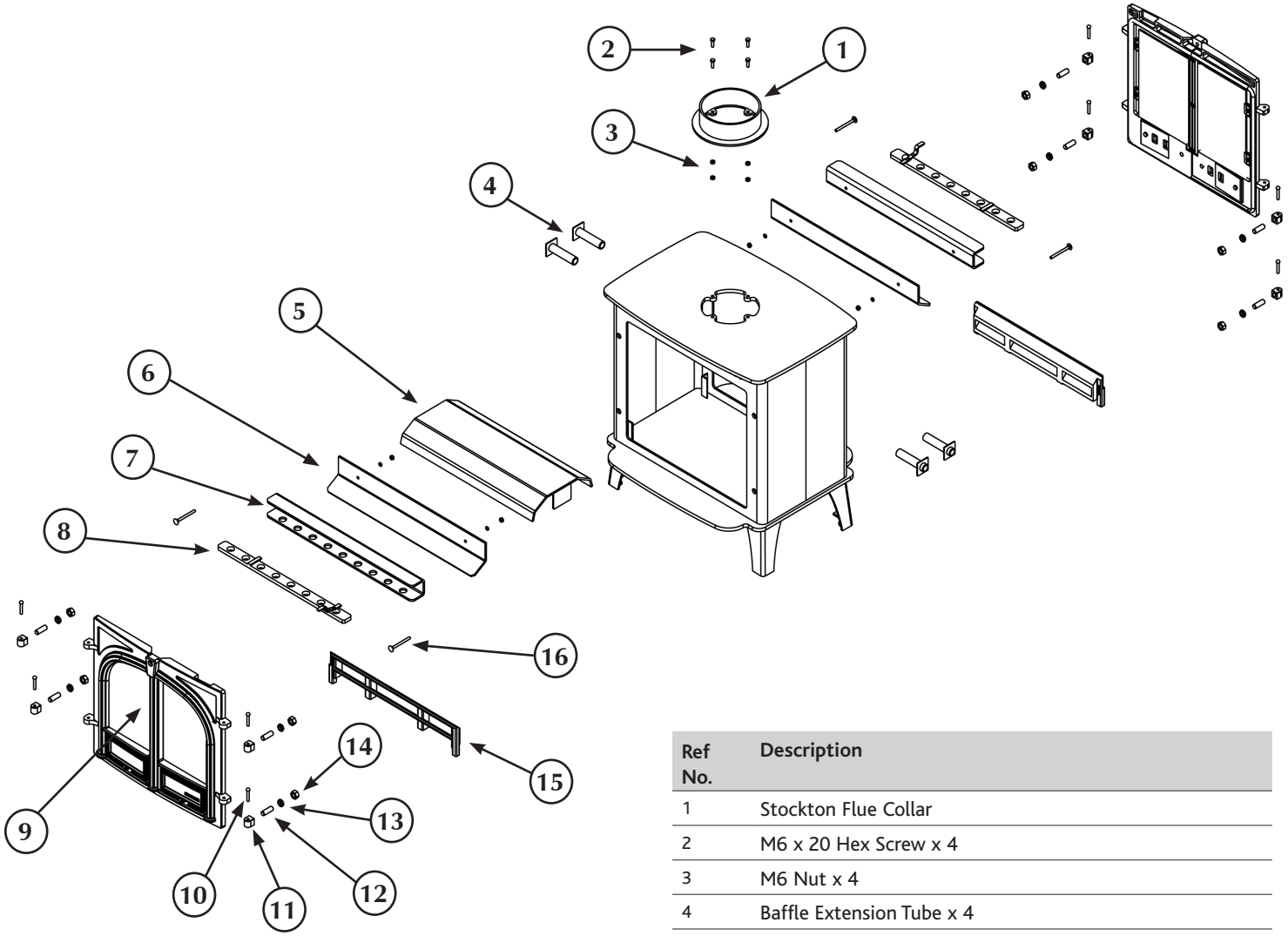


Diagram No.	Part No.	Description	Casting/ Drawing No.
1	SM14	Stockton Flue Collar	MEC7005
2		M6 x 20 Hex Screw x 4	
3		M6 Nut x 4	
4	ST8-MEC8800	Baffle Extension Tube x 4	MEC8800
5	SM26SD SL26SD	Stockton 8 Baffle Stockton 11 Baffle	MEC8799 MEC8751
6	SM12 SL11	Stockton 8 Ariwash Deflector Stockton 11 Ariwash Deflector	RA7157 RA7083
7	SM11 SL11	Stockton 8 Airwash Duct Stockton 11 Airwash Duct	MEC7051 MEC7030
Diagram No.	**Part No.**	**Description**	**Casting/ Drawing No.**
8	SM2.30 SL2.30	Stockton 8 Control Slider Stockton 11 Control Slider	MEC7049 MEC7052
9	ST8SD2DR ST11SD2DR	Stockton 8 Door Assembly Stockton 11 Door Assembly	MEC7930 MEC7929
10	SM20	Hinge Pin x 8	
11	SM10	Stockton Door Hinge Block x 8	MEC7001
12	SM18	Stockton Hinge Block Stud x 8	MEC7000
13		M12 Locknut x 8	
14		M12 Nut x 8	
15	SM62 ST11SD25	Stockton 8 Log Guard Stockton 11 Log Guard	CA7111 CA7184
16	SM19	M6 x 75 Coach Bolt x 4	

Basic Spare Parts



Ref No.	Description
1	Stockton Flue Collar
2	M6 x 20 Hex Screw x 4
3	M6 Nut x 4
4	Baffle Extension Tube x 4
5	Stockton 8 Baffle Stockton 11 Baffle
6	Stockton 8 Ariwash Deflector Stockton 11 Ariwash Deflector
7	Stockton 8 Airwash Duct Stockton 11 Airwash Duct
8	Stockton 8 Control Slider Stockton 11 Control Slider
9	Stockton 8 Door Assembly Stockton 11 Door Assembly
10	Hinge Pin x 8
11	Stockton Door Hinge Block x 8
12	Stockton Hinge Block Stud x 8
13	M12 Locknut x 8
14	M12 Nut x 8
15	Stockton 8 Log Guard Stockton 11 Log Guard
16	M6 x 75 Coach Bolt x 4

EC Declaration of Conformity CE

The undersigned, representing the following :

Manufacturer
Stovax Ltd Falcon Road, Sowton Industrial Estate Exeter EX2 7LF

Herewith declare that the products :

Description	Product code
Stockton 8 Single Double Flat top	7113SD
Stockton 8 Single Double High canopy	7113SDHC
Stockton 11 Single Double Flat top	7116SD
Stockton 11 Single Double High canopy	7116SDHC

Description of product : Stockton domestic wood and multifuel heating stove product range

Steel fabricated stove body fitted with cast iron door sets, various decorative trim and firegrate options. Supplied in various sizes to give a range of heat output options.

are in conformity with the provisions of the following EC Directive(s) when installed in accordance with the installation intructions in the product documentation :

98/106/EEC Construction Products Directive

and the standards referenced below have been applied :

EN 13240 : 2001 Roomheaters fired by solid fuel – Requirements and test methods

Product : Roomheater fired by solid fuel as covered under the scope of the standards listed. Intended use : Space heating in residential buildings.		
Characteristic	Performance	Report
Fire safety	Satisfies	
Emission of combustion products	Stockton 8 Single Double (7113SD - 7113SDHC) CO @ 13% O_2 Wood 0.29% - Briquetted fuel 0.29% Stockton 11 Single Double (7116SD - 7116SDHC) CO @ 13% O_2 Wood 0.16% - Briquetted fuel 0.21%	
Release of dangerous substance	None	
Surface temperature	Satisfies	
Mechanical resistance (to carry a chimney/flue)	Maximum weight to be supported 25Kg	
Thermal output / Efficiency	Stockton 8 Single Double (7113SD - 7113SDHC) Wood 9.0Kw @ 69% - Briquetted fuel 9.0Kw @ 73% Stockton 11 Single Double (7116SD - 7116SDHC) Wood 11.0Kw @ 61% - Briquetted fuel 11.0Kw @ 77%	

Test laboratory : 1641

Name : Greg Taylor

Position : Technical Director

Signature :

Date : 22 / 08 / 2007

Sheet 1 of 1

Service Records

1ST SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

2ND SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

3RD SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

4TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

5TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

6TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

7TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

8TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

9TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

10TH SERVICE
Date of Service:.....
Next Service Due:.....
Signed:.....
Dealer's Stamp/HETAS Registration Number

STOVAX

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