

STOVAX

Fire Your Imagination

Riva

Woodburning & Multi-fuel* Cassette Range



* Multi-fuel when fitted with a Multi-fuel grate

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 (LATEST EDITION) IS USED IN THE PRESENCE 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.



Contents

Riva - Woodburning & Multi-fuel* Cassette

Covering the following models:

RV40/RV45/RV50/RV55/RV66/RV66AVC/RV76

Appliance Commissioning Checklist	3
User Instructions	4
Getting Started	4
User Instructions	7
Care & Maintenance	11
Troubleshooting	14
Installation Instructions	16
Installation Checklist	16
Pre-Installation Instructions	20
Installing the Appliance	24
Commissioning	27
Maintenance & Servicing	29
Technical Appendix	34
Information required for solid fuel	38
Spare Parts List	39
Service Records	41



To receive your Extended Warranty your Stovax appliance must have been purchased from our Expert Retailer Network and registered within one month of purchase or installation. Please note that all warranties are effective from the date of purchase. Any Stovax product purchased outside of our Extended Retailer Network, or not registered within the stated time will carry a standard 12 month warranty.

It is a condition of the Extended Warranty that the installation complies with the relevant Building Regulations and is carried out by a suitably trained and qualified individual (HETAS in the UK or equivalent in other countries) with the certificate of installation and the Commissioning Report on Page 3 completed and retained by the end user.

Full terms and conditions are detailed in the Warranty Statement on the Stovax website www.stovax.com. In the event of any conflict of information the wording on the website shall prevail.

Important Note: Should any problems be experienced with your product, claims must first be submitted to the Expert Retailer where the appliance was purchased from who will offer immediate assistance or contact Stovax on your behalf.

* Multi-fuel when fitted with a Multi-fuel grate

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 <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"/>
Clearance to combustible materials checked	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Instruction book handed to customer	YES <input type="checkbox"/>	NO <input type="checkbox"/>
CO Alarm Fitted	YES <input type="checkbox"/>	NO <input type="checkbox"/>

Signature: Print Name:

Getting Started

Welcome

Congratulations on purchasing your Riva Cassette, 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 appliance, 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.

WARNING: Extra fuel should not be stored on or next to the appliance. Only keep enough fuel for immediate use nearby and never leave the appliance unattended for long periods with any combustible material in close proximity.

- 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.



†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

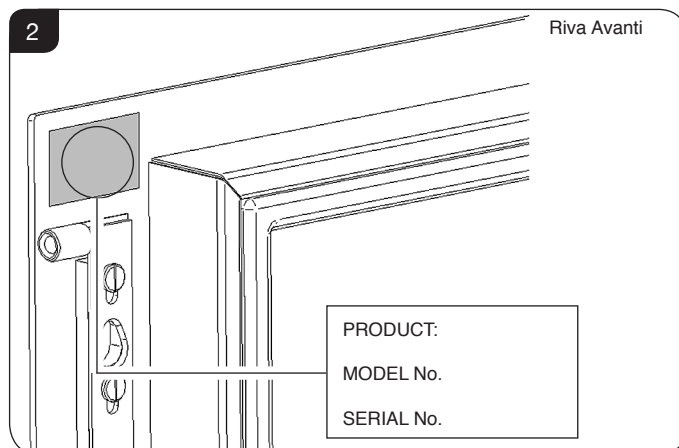
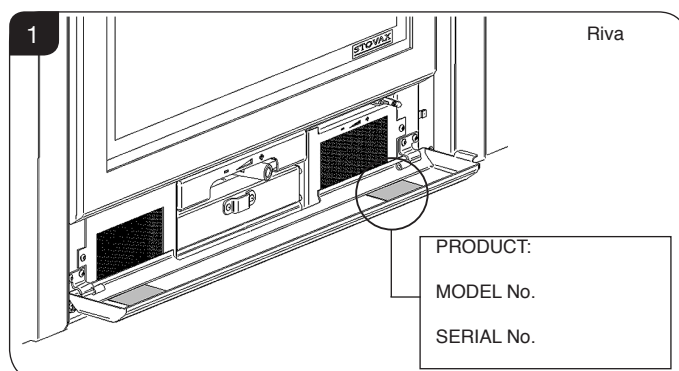
***Registered on the Competent Persons Scheme (GB only see page 33/ INFO (Republic of Ireland)).**

- 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.

SERIAL NUMBER

- 1.13 This number is required when ordering spare parts or making warranty claims.

It is found on the appliance data plate, see Diagram 1 or 2.



AIR CONTROLS

Cleanburn Technology and Convecteur Efficiency

Riva appliances incorporate the latest cleanburn technology with a unique 'Opti-Burn' setting in order to burn fuels with greater efficiency.

- 1) **Primary Air** - for use initially when establishing fires and the main air supply when burning solid fuels.
- 2) **Airwash** - air drawn over the window cleans the glass. The source of Primary Combustion air when burning wood.
- 3) Unique 'Opti-Burn' setting provides optimum efficiency and visual effect.
- 4) **Cleanburn** - Secondary air is preheated through a heat exchanger to combust unburned hydrocarbons, providing a cleaner and more efficient burn.
- 5) **Convected and radiant heat.** See Diagram 3.

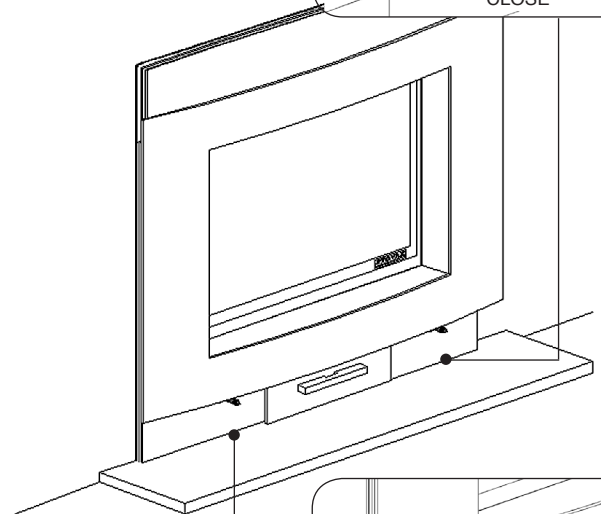
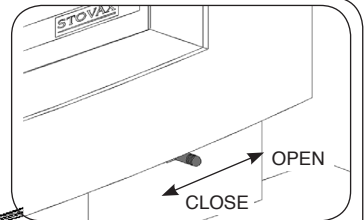
Getting Started

RIVA AVANTI

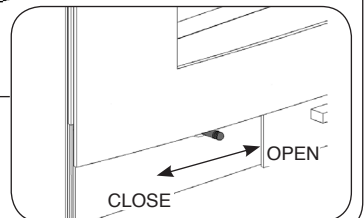
Use the tool provided to operate the air controls.

DO NOT OPERATE THE AIR CONTROLS WITH BARE HANDS

5 Airwash air control
This control has a pre-set "indent ball" stop in the closed position "opti-burn" setting. If the control is pushed past this point the airwash will be fully closed.



Primary air control
Move air control as shown using the door tool.



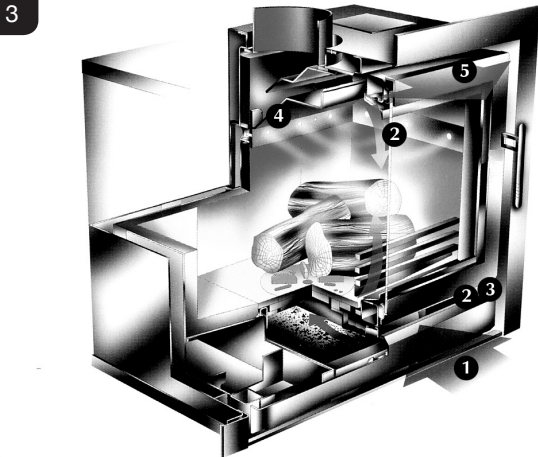
DOOR HANDLE

i IMPORTANT: Stovax provide gauntlet style gloves for the users protection from heat and any sharp edges when using the appliance. For your safety ensure that gloves are always worn when opening, operating, refuelling or handling internal metalwork.

1.14 Use a protected gloved hand to operate.

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.



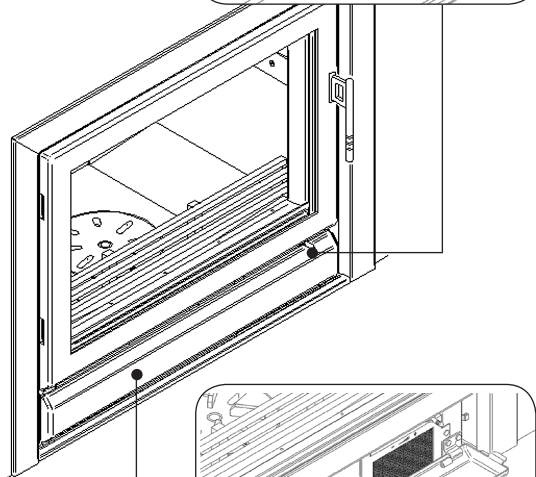
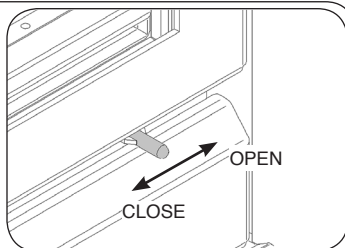
For Air Controls, see Diagram 4 or 5.

RIVA 40, 45, 50, 55, 66, 76

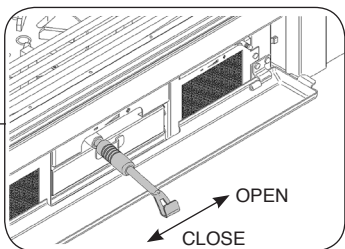
Use the tool provided to operate the air controls.

DO NOT OPERATE THE AIR CONTROLS WITH BARE HANDS

4 Airwash air control
This control has a pre-set "indent ball" stop in the closed position "opti-burn" setting. If the control is pushed past this point the airwash will be fully closed.



Primary air control
Move air control as shown using the door tool.



Getting Started

1.15 Riva 40, 45, 50, 55, 66, 76.

To remove the door handle:

- Lift the handle without rotating.
See Diagram 6.

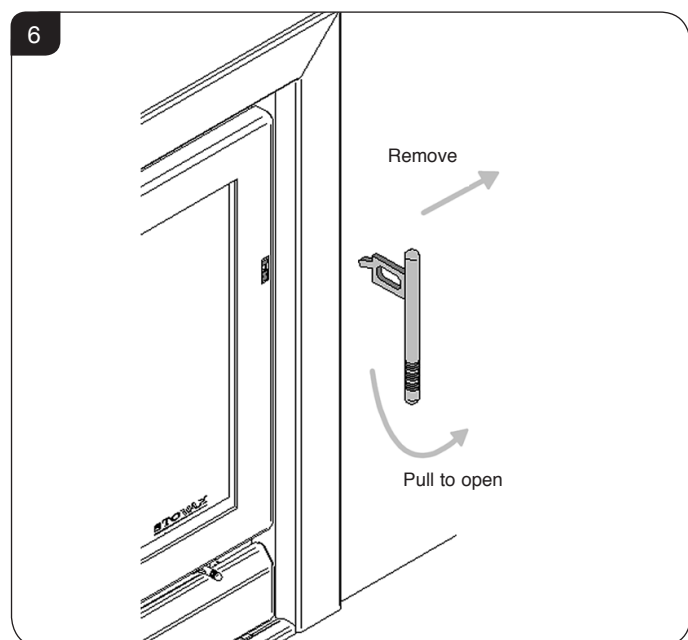
1.16 To open the door:

- Pull the lower portion of the handle.

1.17 To close the door:

- Hold the handle in the open position and push the door to the closed position.
- Rotate the handle to the vertical position.
See Diagram 6.

RIVA

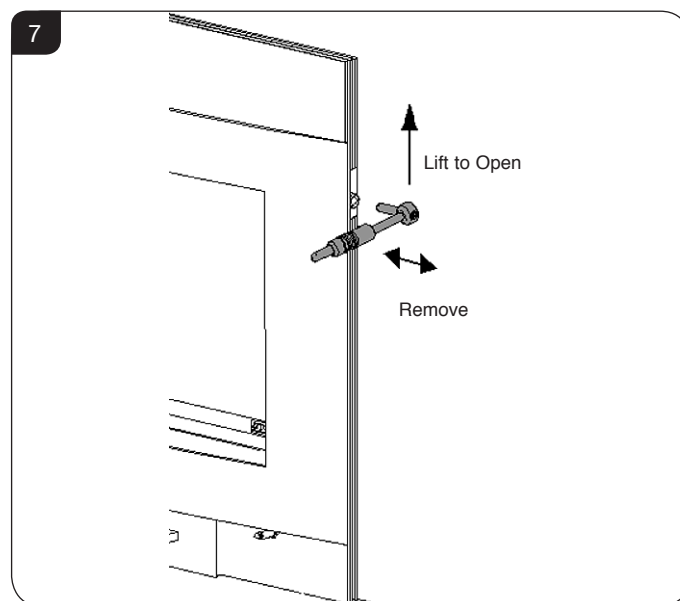


RIVA AVANTI

1.18 Riva 66 Avanti

To open and close the door:

- Use the tool provided, see Diagram 7.



Getting Started/ User Instructions

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 ABOVE.

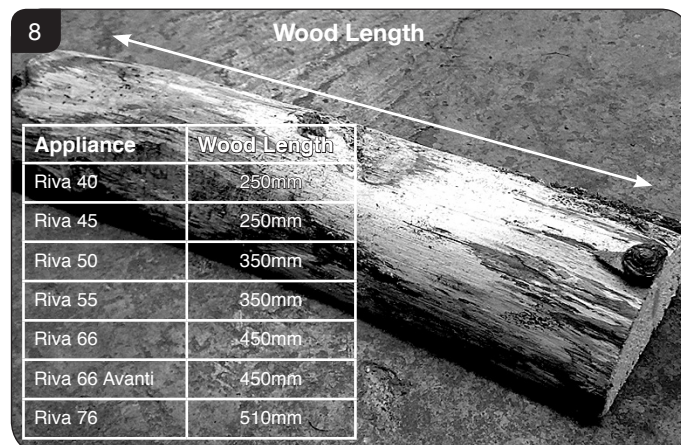
2. Using the Appliance for the First Time

- 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.

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.



All Models: Maximum Log Diameter 127mm (5")

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
Riva 40	1.6	0.8
Riva 45	1.6	0.8
Riva 50	2.4	1.2
Riva 55	2.4	1.2
Riva 66	2.6	1.2
Riva 66 Avanti	2.6	1.2
Riva 76	2.6	N/A

User Instructions

- 3.4 For advice on suitable solid fuels:
Contact your local approved coal merchant*

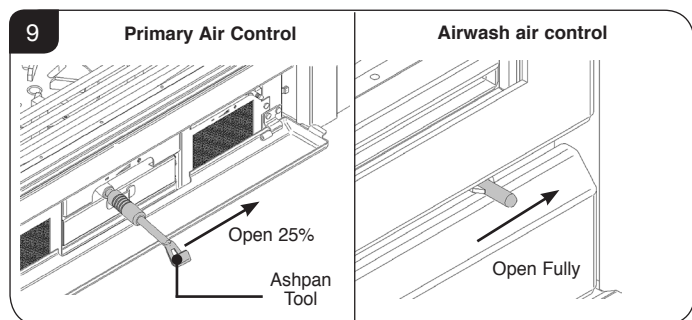
A number of factors can affect the performance of the appliance. See *Troubleshooting Section* for details.

4. Lighting the Appliance

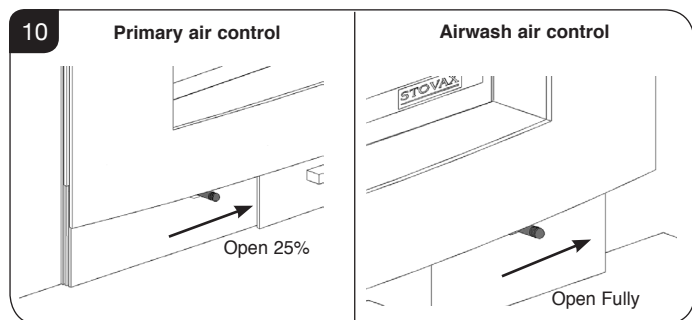
i **IMPORTANT:** Stovax provide gauntlet style gloves for the users protection from heat and any sharp edges when using the appliance.
For your safety ensure that gloves are always worn when opening, operating, refuelling or handling internal metalwork.

- 4.1 Whether using wood or solid fuel the process for lighting the appliance is the same.
4.2 For best results set air controls as shown, see Diagram 9 or 10.

RIVA 40, 45, 50, 55, 66, 76



RIVA 66 AVANTI



- 4.3 Place firelighters or paper and dry kindling wood on the base bricks.

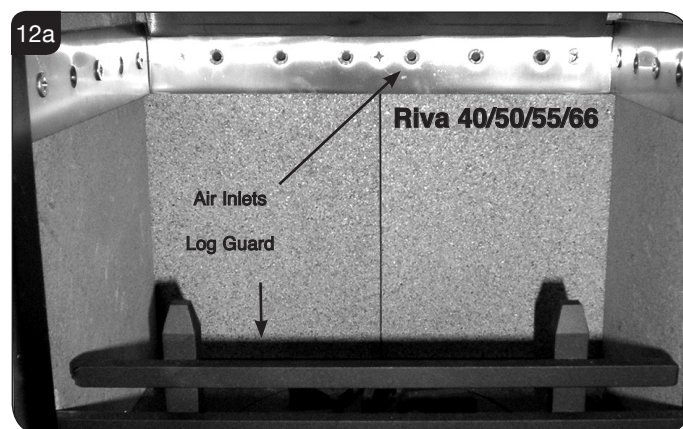
A successful fire initially requires plenty of kindling to establish a hot firebox and warm the chimney to aid flue performance.

- 4.4 Light the paper or firelighters, see Diagram 11.



- 4.5 Leave the door slightly open as the fire establishes and the glass warms to avoid build up of condensation.
4.6 Add larger pieces of wood.
Do not use full sized logs at this stage, build up gradually in size. Too many logs may smother the fire.
4.7 **Riva 40/50/55/66 models:**

Do not load fuel above the log guard and the Secondary Combustion Inlets at the back of the firebox, see Diagram 12a.



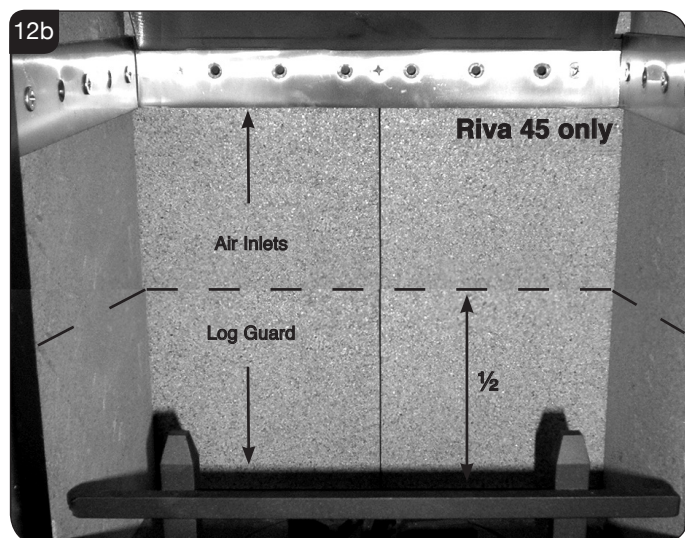
***In the U.K:**

- Ring the Solid Fuel Association advice line on 0845 601 4406 for details
- Visit their web site at www.solidfuel.co.uk

User Instructions

4.8 Riva 45 model only:

Do not load fuel more than ½ of the firebox capacity, see Diagram 12b.



- 4.9 Close the door and follow the instructions for Running the Appliance.

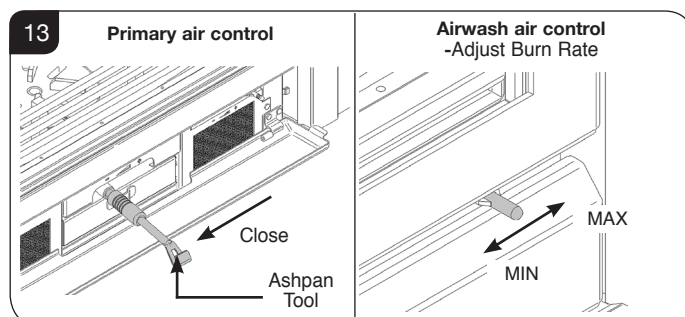
Do not run with the door slightly open except for initial lighting as this could cause over-firing and damage the appliance.

5. Running the Appliance

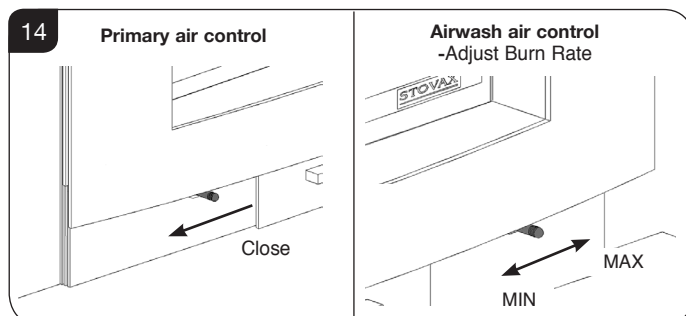
Wood Burning

- 5.1 Close the **Primary air control** and use the **Airwash** to control the burn rate when appliance is at operating temperature, see Diagram 13 or 14.

RIVA 40, 45, 50, 55, 66, 76



RIVA 66 AVANTI



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

- 5.2 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.
- 5.3 When in use, burning the appliance at a high temperature for a short period reduces tars and creosotes.
WARNING: 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.

Experience establishes settings to suit personal preference.

A bright and clean firebox indicates the appliance is burning well.

Refuelling

- 5.4 Toward the end of the burn cycle open the Primary Air control for a few minutes. This increases the temperature of the ashbed, helping re-ignition of the new logs and keeps the ash to a minimum.
- 5.5 Rake the embers evenly over the firebed and open the **Airwash Control** fully for a few minutes before re-fuelling.

Do not refuel when a large amount of flames are in the firebox as this could cause smoke or flames to spill into the room.

Close the doors immediately after refuelling.

- 5.6 Burn new logs at a high temperature for a few minutes before adjusting the **Airwash Control**. Refuel little and often for clean, efficient burning. More Airwash will increase the heat output, burn fuel more quickly and will help keep the glass clean.

Small amounts of **Primary Air** can sometimes help to maintain a hot fuel bed.

Fuel Overloading

The maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

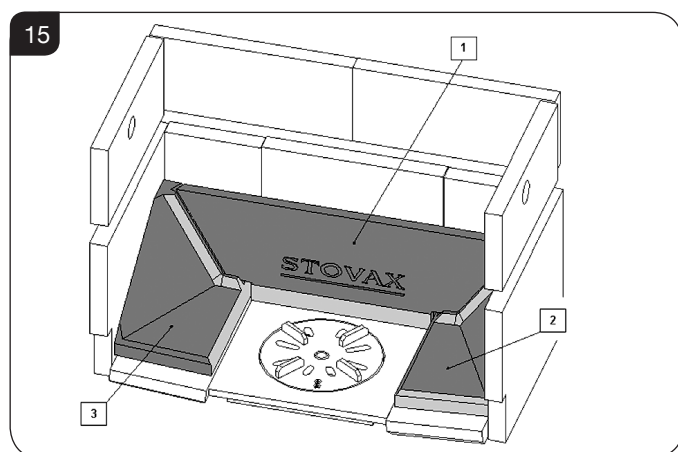
User Instructions

Air Controls:

Operation with the air controls left fully open can cause excess smoke. The appliance must not be operated with the air control or door left open except as directed by the instruction manual (PM235).

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.
Riva 40 Family	RVAC082
Riva 55	RVAC101
Riva 66	RVAC002

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

Burning Solid Fuel

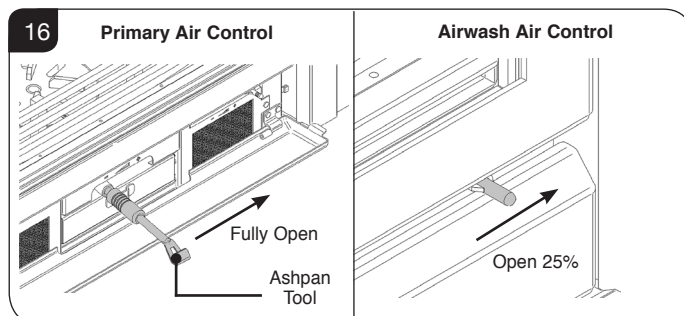
- 5.8 To burn wood and smokeless fuels a cast iron multi-fuel kit must be fitted.

Only for use with recommended fuels , (see User Instructions, Section 3).

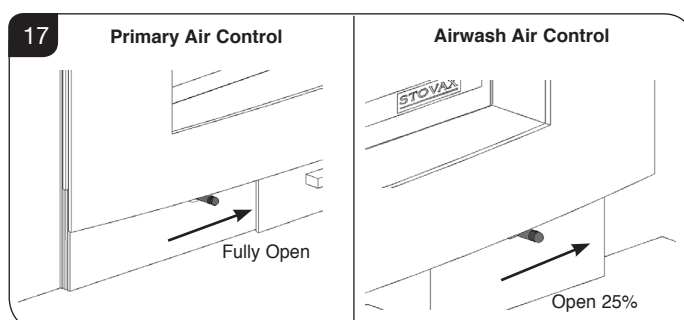
- 5.9 Allow the fire to become established before adding the solid fuel, see section 4.

When the fire becomes established reduce the **Airwash air control** to approximately **25%** open and control the burn rate using the **Primary air control only**.

RIVA 40, 45, 50, 55, 66, 76



RIVA 66 AVANTI



Refuelling

- 5.10 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.

- 5.11 Add the correct amount of fuel, see Section 3.

- 5.12 **Close the door immediately after refuelling.**

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.

When burning solid fuel more primary air will increase the heat output and burn the fuel more quickly.

A small amount of Airwash can sometimes help to keep the glass clean but will reduce efficiency.

- 5.13 Experience establishes settings to suit personal preference.

- 5.14 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.

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

WARNING: 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.

Care & Maintenance

- 5.16 **Only anthracite or smokeless fuels suitable for use in closed appliances must be burned in this appliance.**
- 5.17 **Do not burn bituminous coal, 'petro-coke' or other petroleum based fuels as this invalidates the product guarantee.**
- 5.18 **Riva 40/50/55/66 models.**
Do not load fuel above the log guard and the Secondary Air Inlets at the back of the firebox, see Diagram 12a
- Riva 45 model only:**
Do not load fuel more than ½ of the firebox capacity, see Diagram 12b.

Shut Down

- 5.19 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.
- 5.20 Always have enough air entering the stove to maintain some flame within the firebox.
- 5.21 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.
 - Burn new fuel at a high temperature for a few minutes before adjusting the Primary Air Control.
 - 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.
- Warning: Ash can remain hot long after appliance has been in use.**
- 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.**

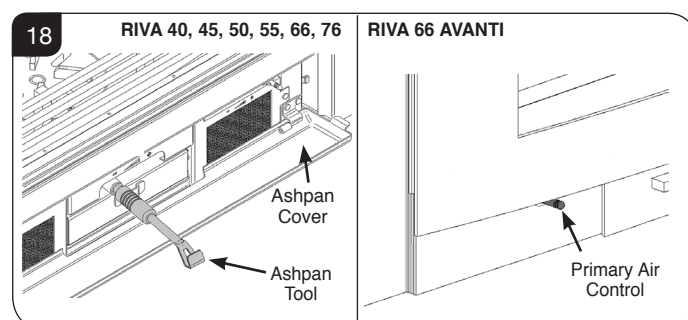
— De-ash at least once a week.

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 Ash pan cover, see Diagram 18.
(Not Riva Avanti models)
- Insert the Riddling Tool into the socket, see Diagram 18.
(Not Riva Avanti models)

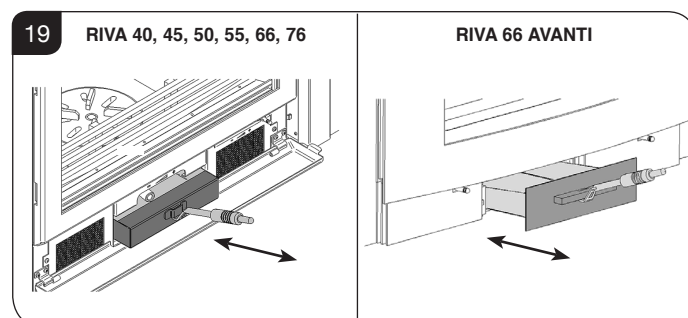
For Riva Avanti models use the Primary Air Control.



- Move the Riddling Tool/ Primary Air Control backward and forward 3 or 4 times to remove the ash. Do not force the handle beyond its natural stop point. The ash will fall into the ashpan.

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

- 7.3 Using gloves, carefully remove ashpan using tool supplied, see Diagram 19. Ensure the tool is fully engaged before operation. Practise this technique before hand with a cold ashpan.



- 7.4 Place the ash into a Stovax Ash Caddy (Stovax Part No. 4227) or other suitable container.
- 7.5 Check and remove ash as often as required when burning solid fuel.
- 7.6 De- ash at least once a week.
- 7.7 Do not place hot ash in a container made from plastic or any other combustible material.

Care & Maintenance

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.
- 10.2 **Allow appliance to cool thoroughly to avoid risk of burns.**
- 10.3 Clean regularly, according to level of use.
- 10.4 Remove the ash completely
(see *User Instructions*, Section 7).
- 10.5 Check internal components for damage 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.
- 10.6 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*, Section 4).

- 10.7 To refresh painted finishes a touch up spray is available. Contact your Stovax retailer quoting the serial number found on the appliance date badge.

Do not use aerosol sprays near an operating appliance. Do not use abrasive cleaner or cleaning pads.

- 10.8 Check that the door shuts properly and creates an effective seal. Leaking door seals prevent the appliance working properly.

11. Cleaning Glass

- 11.1 Keep the glass clean with correct use of the Airwash system and good quality fuel.
- 11.2 Sometimes additional cleaning may be required. Before undertaking this operation allow appliance to cool fully. Do not clean hot glass.
- 11.3 **On appliances with printed glass do not use cleaning agents that have a high alkaline or acidic content, for example Stovax Gel Cleaner, these are aggressive cleaning agents designed to be used with heavily stained clear glass. On printed glass surfaces, use Stovax Glass Cleaner (Stovax No.4103) which is better formulated for this application.**
- 11.4 Before applying a cleaning agent remove any dust and loose soot with a damp cloth.
- 11.5 Use an appropriate glass cleaner. Apply the cleaning fluid to a cloth before rubbing onto the glass. Apply carefully and do not apply excessively. Try to prevent any run off which could soak into the rope seals around the edge of the glass. Soot can also contain acidic particles that can cause corrosive damage to printed glass.
- 11.6 Remove dirt with a moist cloth and buff dry.
- 11.7 **Some types of wood and solid fuel can cause a white residue to form on the glass. If this occurs it should be cleaned off at least once a week during periods of heavy usage. If the liquid cleaning agents recommended do not remove this residue use a dry cleaning pad which will help remove these white marks.**
- 11.8 Before relighting the appliance ensure the glass is fully dried. If the rope seal has absorbed excess cleaning agent it is advisable to replace the rope as soon as possible to preserve the printed finish of the glass.

Care & Maintenance

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.



*Registered on the Competent Persons Scheme (GB only) see page 33/ INFO (Republic of Ireland).

14. Seasonal Use

- 14.1 Clean and service the appliance if not used during the warmer months, as detailed in the *Maintenance and Servicing* section.
- 14.2 Set the air controls to 50% to keep the appliance ventilated and stop the build-up of any moisture inside.
- 14.3 Before re-lighting the appliance:
- Remove the baffles.
 - Clear any debris that may have accumulated.
 - Check the flue is clear of any blockages.

15. Optional Extras

Fan Kit

- 15.1 This appliance can be fitted with an optional convection fan kit. The fan must be fitted at the time of installation. For installation and operating procedures you must refer to the instructions supplied with the fan kit - Stovax Part No PM266

Warm Air Ducting Kit

- 15.2 This appliance can be fitted with an optional Warm Air Ducting kit to help circulate warm air to other room in the house.
- This operation may require additional ventilation in order to comply with building regulations and a qualified installer should be consulted before fitting.
- The Ducting kit must be fitted at the time of installation. For installation and operating procedures you must refer to the instructions supplied with the Warm Air Ducting kit - Stovax Part No PM509.

Smoke Control Kit

- 15.3 This appliance can be modified to burn wood in a smoke control zone. For more details on the Smoke Control Kit for this appliance contact your retailer.

NOTE: These appliances have been independently tested to PD6434 and have been exempt from the controls that generally apply in smoke control areas hence are considered suitable for use in Smoke Control Area when burning wood and ONLY when fitted with the relevant Smoke Control kit .

Troubleshooting

16. 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) Insufficient amount of fuel - Refer to the table in section 3	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
ADVERSE WEATHER	Blue/grey smoke from chimney	Wet wood (over 20% moisture)	Use dry seasoned wood (less than 20% moisture content)
	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:
	<ul style="list-style-type: none"> - 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.
	<p>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.</p> <p>For advise on the correction of persistent flue problems consult a qualified heating engineer before continuing to use the appliance.</p>

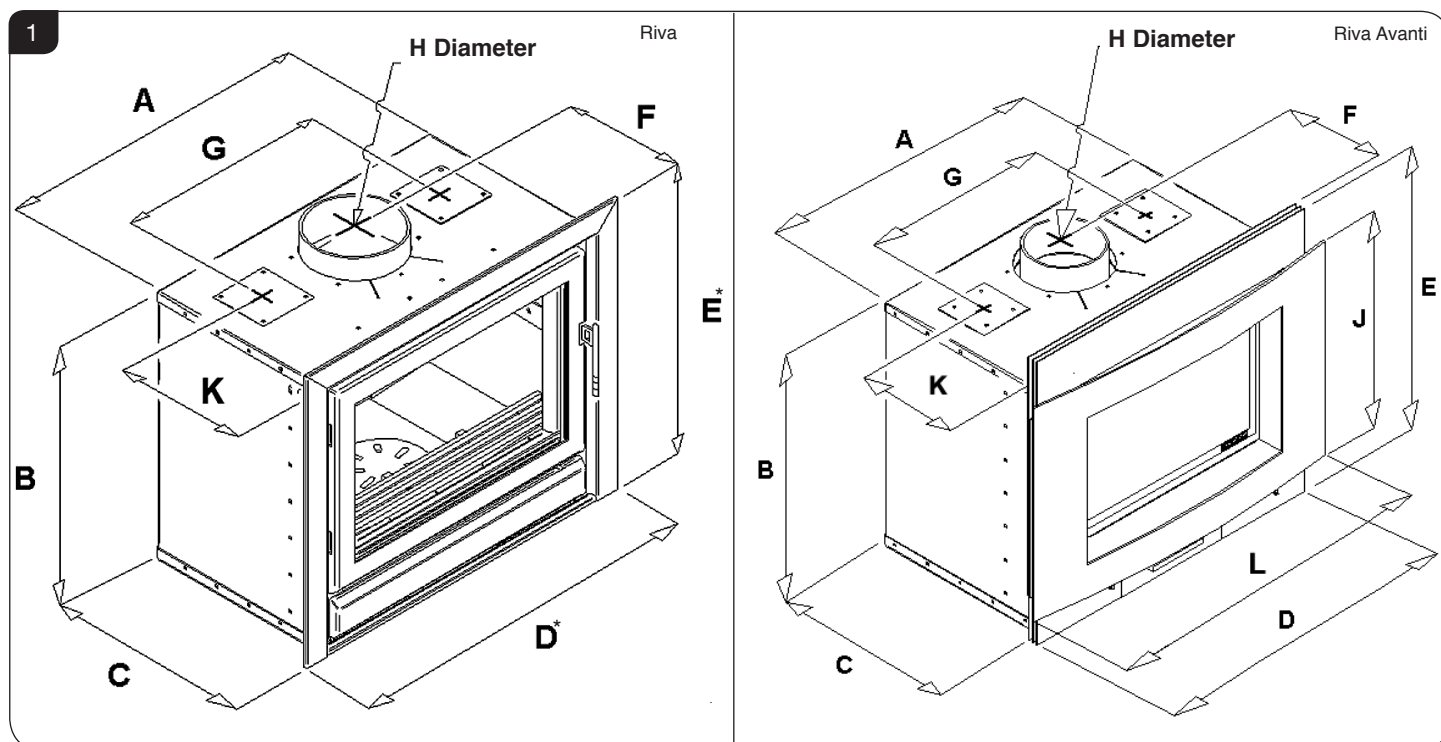
Installation Checklist

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 Dimensions



	Riva 40 RV40	Riva 45 RV45	Riva 50 RV50	Riva 55 RV55	Riva 66 RV66	Riva 66 Avanti RV66 AVC	Riva 76 RV76
A	400mm	400mm	540mm	540mm	650mm	650mm	760mm
B	550mm	660mm	550mm	660mm	550mm	550mm	630mm
C	350mm	350mm	350mm	350mm	395mm	395mm	395mm
D	492mm	492mm	632mm	632mm	742mm	694mm	862mm
E	599mm	709mm	599mm	709mm	599mm	636mm	678mm
F	234mm	234mm	234mm	234mm	248mm	248mm	248mm
G	N/A	N/A	360mm	360mm	420mm	420mm	540mm
H	128mm	128mm	128mm	128mm	153mm	153mm	153mm
J	N/A	N/A	N/A	N/A	N/A	480mm	N/A
K	N/A	N/A	N/A	N/A	N/A	755mm	N/A
L	N/A	N/A	N/A	N/A	248mm	248mm	208mm

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: BS EN 15287, BS6999, BS8303.

Installation Checklist

2. Essential Information

GENERAL	Model:			Riva 40	Riva 45	Riva 50	Riva 55	Riva 66	Riva 66 Avanti	Riva 76
	Riva Multi-fuel Cassette									
	Nominal Heat Output	Wood	kW	4.9	5.0	7.0	8	8	8	9
		Solid Fuel	kW	4.9	5.0	7.0	8	8	8	N/A
	Efficiency	Wood	%	77	80	80	82	80	80	78
		Solid Fuel	%	82	83	83	84	76	76	N/A
	CO @ 13% O ₂	Wood	%	0.20	0.16	0.16	0.11	0.18	0.18	0.22
		Solid Fuel	%	0.28	0.17	0.17	0.07	0.10	0.10	N/A
	Weight		Kg	70	80	80	90	101	121	125
	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 13229 for intermittent operation

FLUES	Flue/Chimney Size ‡May be reduced to 128mm (5") if burning approved smokeless fuels or burning wood in an appliance approved for use in a DEFRA smoke control area	Without flue liner Round (Diameter)	mm	‡153	‡153	‡153	‡153	153	153	153
			inch	‡6	‡6	‡6	‡6	6	6	6
		Without flue liner system (Square)	mm	135	135	135	135	135	135	135
			inch	5½	5½	5½	5½	5½	5½	5½
		With Liner of Factory made system (diameter) installed in accordance with manufacturers instructions	mm	‡153	‡153	‡153	‡153	153	153	153
			inch	‡6	‡6	‡6	‡6	‡6	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	4.5	4.5	4.5	4.5	4.5
			feet	13	13	13	13	13	13	13
	Flue Draught	Min	mm Wg	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		Nominal		1.5	1.5	1.5	1.5	1.5	1.5	1.5
		Max		2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Flue Gas Mass Flow	Wood	g/s	5.8	7.0	7.0	8.3	7.4	7.4	6.0
		Solid Fuel	g/s	5.2	7.6	7.6	9.9	8.1	8.1	N/A
	Flue Gas Temperature at Spigot/Socket	Wood	°C	444	444	468	492	388	388	345
		Solid Fuel	°C	444	444	468	492	388	388	N/A
	Flue Outlet Size (Top or Rear Option)	All	mm	128	128	128	128	153	153	153
			inch	5	5	5	5	6	6	6

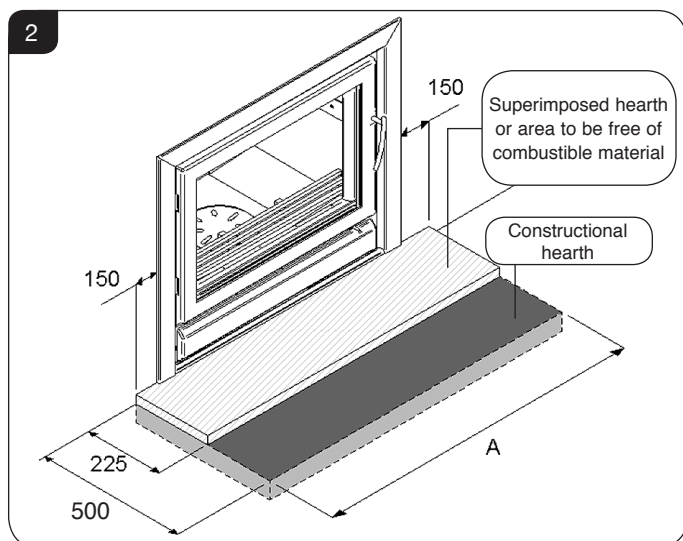
European Min Spec for Chimney Flue - T400 N2 D 3 G50

VENTILATION	A) Traditionally Built Homes		B) Modern Construction Homes							
	• Where leakage is greater than 5m ³ /hour/m ² .		• Where leakage is less than 5m ³ /hour/m ² .							
	• Ventilation normally required = 550mm ² per kW output over 5kW		• Ventilation normally required = 550mm ² per kW							
	A	Additional Ventilation	mm ²	None	None	1100	1650	1650	1650	2200
			cm ²	None	None	11.00	16.50	16.50	16.50	22.00
			in ²	None	None	1.77	2.66	2.66	2.66	3.55
	B	Additional Ventilation	mm ²	2695	2750	3850	4400	4400	4400	4950
			cm ²	26.95	27.50	38.50	44.00	44.00	44.00	49.50
			in ²	4.35	4.44	6.21	7.10	7.10	7.10	7.99

For full technical details on ventilation see Technical Appendix on Page 36

Installation Checklist

3. Minimum Dimensions - Hearth

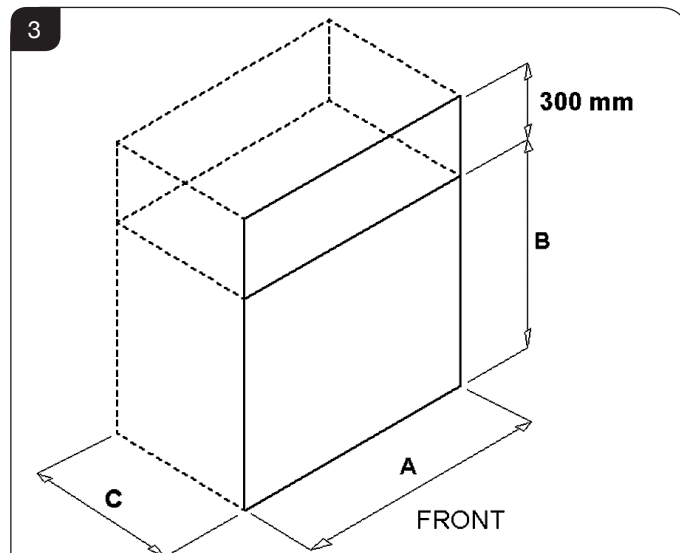


	Riva 40/45	Riva 50/55	Riva 66	Riva 66 Avanti	Riva 76
A	792mm	932mm	1042mm	1042mm	1162mm

If installing in an elevated position more than 600mm from the floor then a constructional hearth is not necessary, however the superimposed hearth will need to be extended.

4. Minimum Builders Opening

To make installation easier make the opening slightly larger than the minimum requirements where possible.



Riva 50/55/66/76 only

If optional convection air ducts are to be used, increase the opening height by 300mm to enable connection to be made before final completion of building work.

Riva 66/76 only

Dimension C may be reduced to 355mm when using the spacer frame kit.

Consideration must be given for the clearance of 20mm between the flue pipe and lintel/inside chimney breast

	A	B	C †
Riva 40	410mm	560mm	360mm
Riva 45	410mm	670mm	360mm
Riva 50	550mm	560mm	360mm
Riva 55	550mm	670mm	360mm
Riva 66	660mm	560mm	405mm
Riva 66 Avanti	660mm	560mm	405mm
Riva 76	770mm	640mm	405mm

*Riva 66/76 only

†Dimension C may be reduced to 355mm when using the spacer frame kit. Only on 66 & 76.

For information on frames available, please contact your local retailer or call Stovax Ltd on 01392 474011

Consideration must be given for the clearance of 20mm between the flue pipe and lintel/inside chimney breast.

Installation Checklist

5. Clearances to combustibles

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.

WARNING: Extra fuel should not be stored on or next to the appliance. Only keep enough fuel for immediate use nearby and never leave the appliance unattended for long periods with any combustible material in close proximity.

6. Optional Extras

The Riva has a number of optional extras to enhance the performance of the appliance. These need to be considered when planning the installation.

Fan Kit

- 6.1 This appliance can be fitted with an optional convection fan kit. The fan must be fitted at the time of installation. For installation and operating procedures you must refer to the instructions supplied with the fan kit - Stovax Part No PM266.

Warm Air Ducting Kit

- 6.2 This appliance can be fitted with an optional Warm Air Ducting kit to help circulate warm air to other room in the house. This operation may require additional ventilation in order to comply with building regulations and a qualified installer should be consulted before fitting. The Ducting kit must be fitted at the time of installation. For installation and operating procedures you must refer to the instructions supplied with the Warm Air Ducting kit - Stovax Part No PM509.

Smoke Control Kit

- 6.3 This appliance can be modified to burn wood in a smoke control zone. For more details on the Smoke Control Kit for this appliance contact your retailer.

NOTE: These appliances have been independently tested to PD6434 and have been exempt from the controls that generally apply in smoke control areas hence are considered suitable for use in Smoke Control Area when burning wood and ONLY when fitted with the relevant Smoke Control kit .

Pre-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

- User and Installation instructions
- Warranty card
- Accessory catalogue
- Pair leather gloves
- Fixing kit (2x rawl plugs + 2x coach screws)
- 2.5mm A/F Hex socket key
- 4mm A/F Hex socket key
- 5mm A/F Hex socket key
- Door Tool
- Riddling tool

Standard Features

- Primary air (under grate air for full multifuel use)
- Airwash (for wood burning/clean glass)
- Factory set secondary air (to ensure complete burning of flue gases)
- Riddling grate system for clean de-ashing
- Stainless steel ashpan
- Removable door handle
- Interchangeable Trim/Frame options
- Pre-drilled convection air duct connection points (not Riva 40)

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

2. Removal of the Door

RIVA 40, 45, 50, 55, 66, 76

(Tools required – None)

- 2.1 To remove the door from the Riva MF:

Open the door by approximately 25mm.
Lift the door free of the hinge blocks on the left of the door.

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

- 2.2 Take care to protect the top left hand corner of the door to avoid damage to the paintwork.

RIVA 66 AVANTI

(Tools required - Large flat-blade screwdriver)

- 2.3 To remove the door from the Riva Avanti:

Remove the hinge pin by unscrewing from the body of the Riva and pulling the pin out of the hinge blocks.

Support the weight of the door before removing the pin. The door should be kept in the closed position when the pin is removed.

Release the door catch to lift the door clear of the hinge blocks.

- 2.4 Lie the door on a soft flat surface, to protect the glass and paintwork.
- 2.5 Replace the door in the reverse order from removal. Do not hang the door from the catch only when replacing, as this could damage the catch mechanism.
- 2.6 Care should be taken to fully support the weight of the door during the removal and replacement, as the door assembly is heavy.

3. Removal of the Log Guard

- 3.1 To remove the Log guard:

Lift Log Guard clear of the supporting brackets.

Rotate to clear the sides of the door opening.

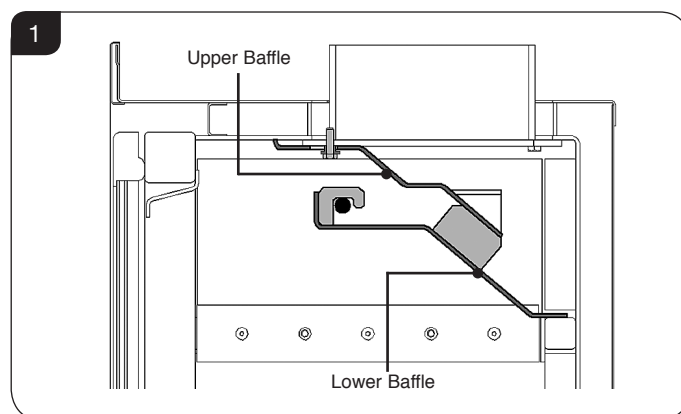
Do not use appliance without the log guard in position.

4. Removal of the Baffles (All)

(Tools required – None)

The Riva is fitted with a twin baffle system, consisting of upper and lower baffles, Diagram 1.

Allow the stove to cool fully before removing the baffle system.



- 4.1 Remove the log guard from the Riva MF to give access to the firebox.

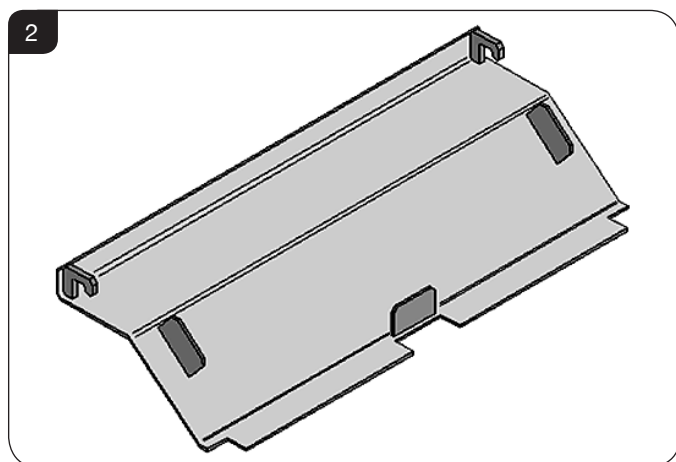
- 4.2 **First** remove the **Lower Baffle**, see Diagram 2:

Lift the front edge to unhook it from the support bars.

Pull the baffle forward to disengage the rear edge from the location above air inlet holes.

Rotate the baffle to remove from the firebox through the door opening.

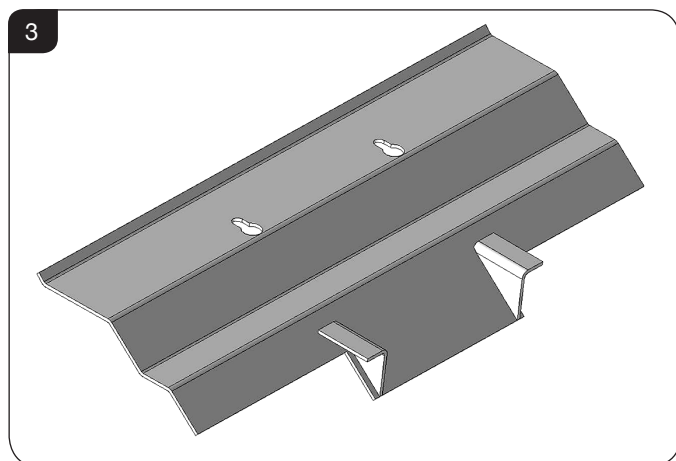
Pre-Installation Instructions



4.3 Second remove the **Upper Baffle**, see Diagram 3:

Pull forward to disengage it from the hanging points at the top of the firebox.

Rotate the baffle to remove from the firebox through the door opening.



4.4 The replacement of the system is the reverse of the previous operations.

4.5 The baffle system is designed to give safe and efficient operation of the stove. Replace any damaged baffles immediately.

4.6 Do not modify the baffle

5. Removal of the Fire Bricks (All)

5.1 Remove the fire bricks as part of the routine maintenance. This can be carried out without the use of tools.

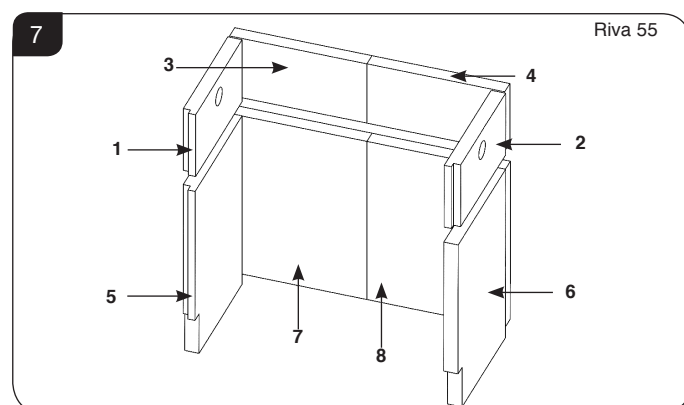
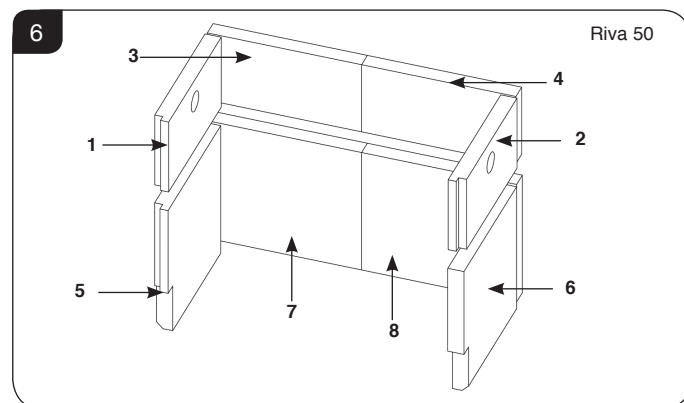
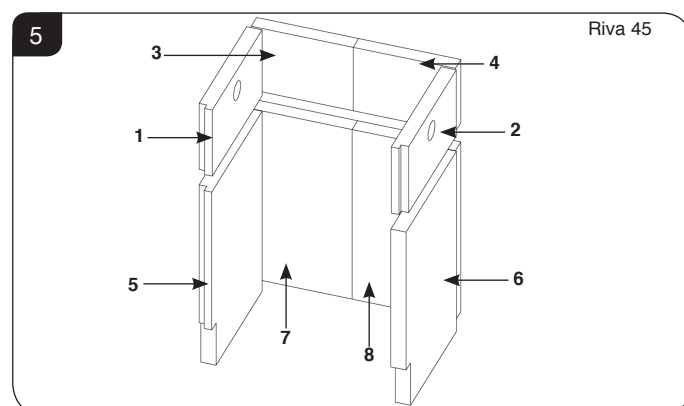
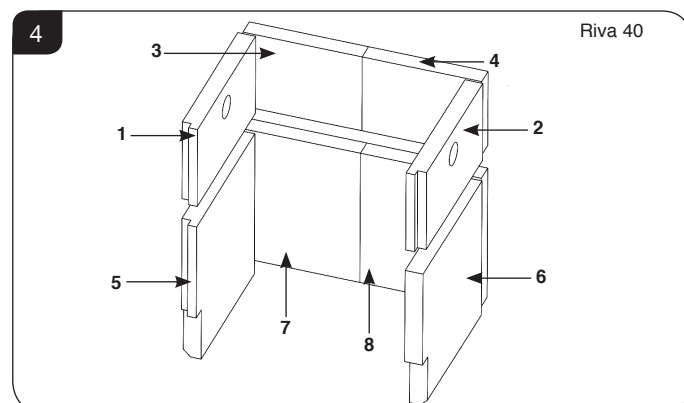
Allow the appliance to cool fully before removing firebricks.

5.2 Take care when handling, as bricks can become fragile after use. Life span depends on the type of fuels burnt and the level of use.

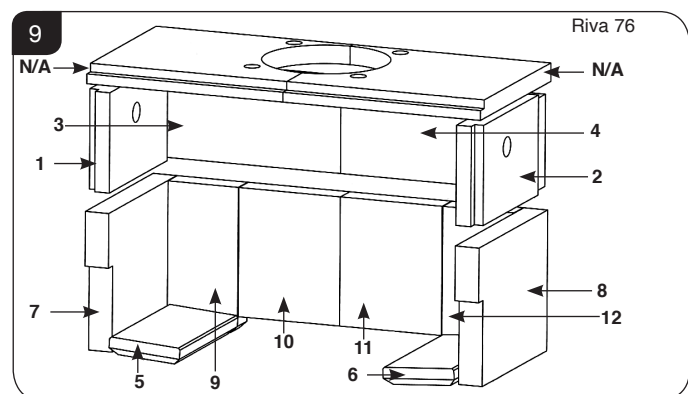
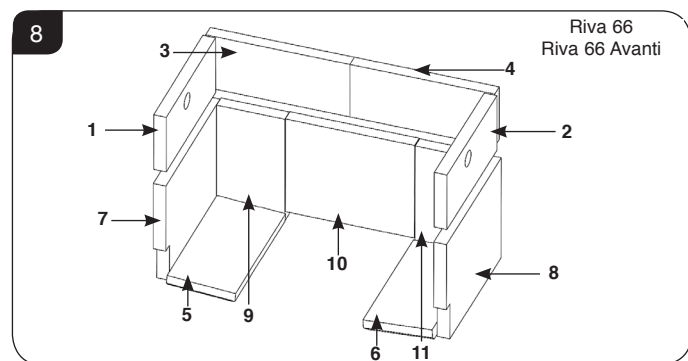
Replace damaged bricks as soon as possible.

5.3 Remove the baffles and grate system.

5.4 The bricks must be removed and replaced in the correct order, as shown in Diagram 4-9.



Pre-Installation Instructions



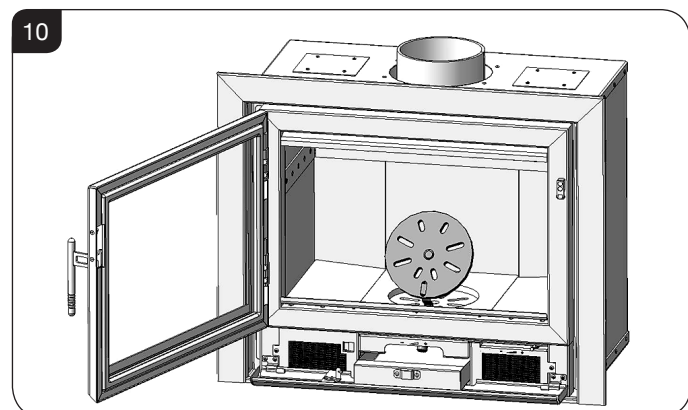
5.5 Replace in the reverse order.

6. Firegrate Removal

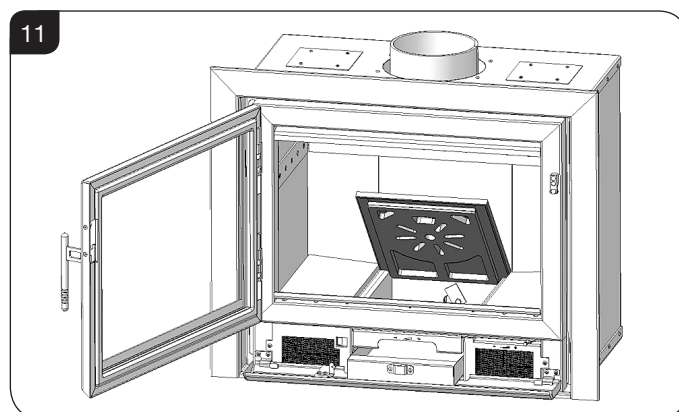
RIVA 40, 55, 66, 76

6.1 To remove grate:

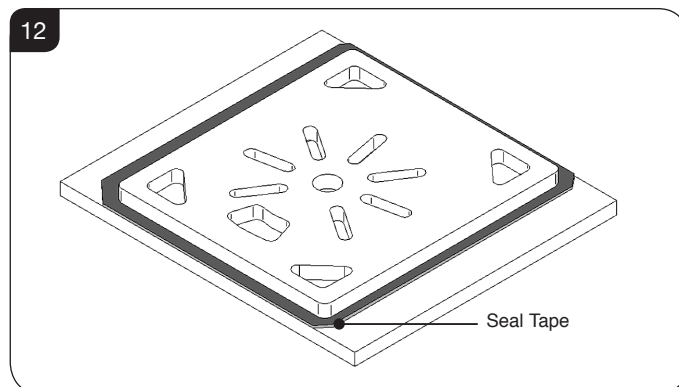
First remove the centre grate by tipping the grate control boss downwards and lifting the centre grate vertically.



6.2 The main grate can then be lifted by the front first and then rotating the main grate to clear the firebox.



6.3 Ensure that the seal tape on the underside of the grate is in good condition and correctly fitted. If not, replace with new. (Stovax part number 4998)



6.4 Replace the grate in the reverse order from removal.

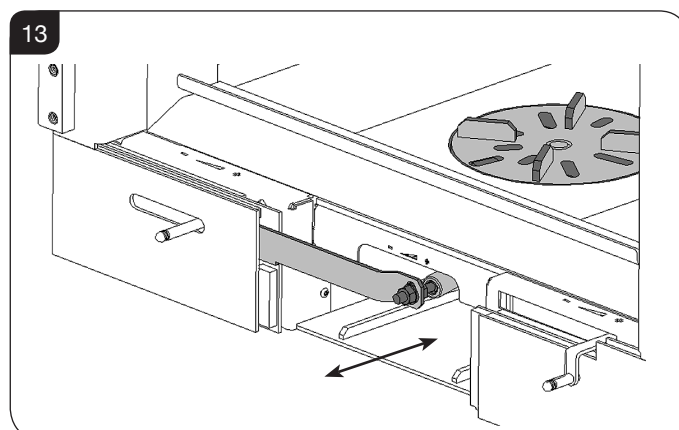
6.5 The grate must sit flat on the side supports, with no debris trapped under it. Check that the centre grate sits flat and rotates freely with no debris trapped under it.

RIVA AVANTI

(Tools required – None)

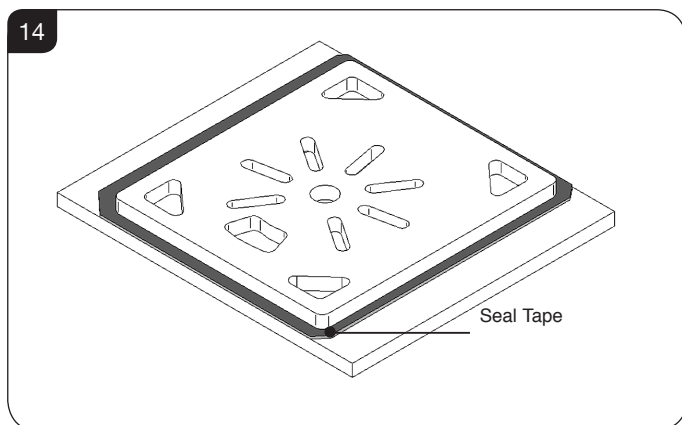
6.6 To remove the firegrate first remove the centre grate:

Disconnect the operating linkage from the grate. Move the Primary air control to the fully open position. Spring the operating link forward to disconnect the balljoint. The centre grate can then be lifted out from inside of the firebox.



Pre-Installation Instructions

- 6.7 The main grate can then be lifted out of the firebox.
- 6.8 Replace the grate system in the reverse order from removal.
- 6.9 Ensure that the seal tape on the underside of the grate is in good condition and correctly fitted. If not replace with new. (Stovax part number 4998)



- 6.10 The grate must sit flat on the side supports, with no debris trapped under it. Check that the centre grate sits flat and rotates freely with no debris trapped under it.

Installation Instructions

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.

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.**
- 1.2 To make the fitting of the Riva MF easier, gain better access to the flue connection and protect paintwork from damage, remove the internal components and the lower frame fitting screws. The ashpit door, door and the front trim may be removed on Riva products.
- 1.3 Slide the Riva MF into the opening

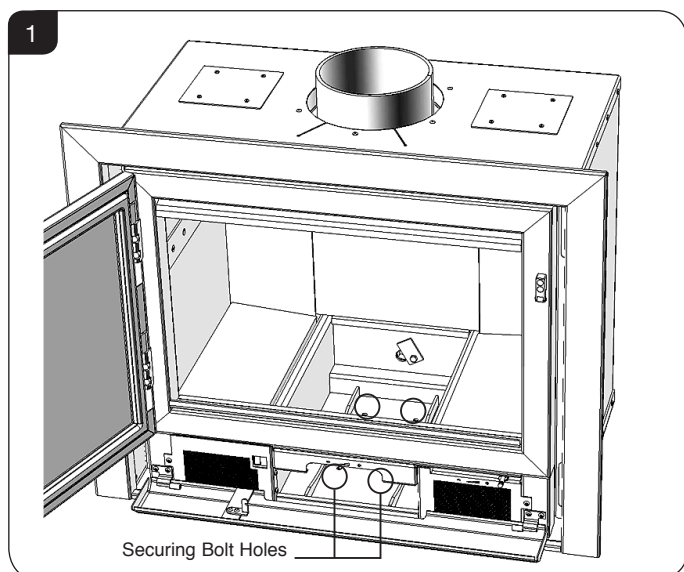
RIVA 40, 45, 50, 55, 66, 76

If the Riva is to be fitted with a 4 sided frame, fit the frame before fixing the appliance in to position.

Check the fit of all frame options before fixing the appliance into position.
Some installations may require the frame to be fitted before final fixing.

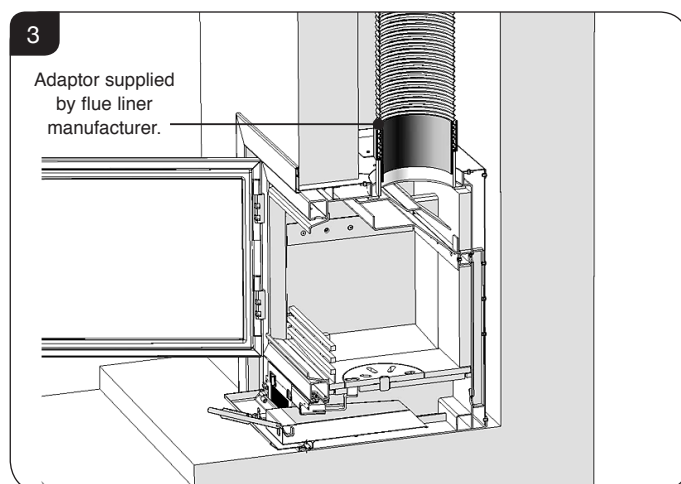
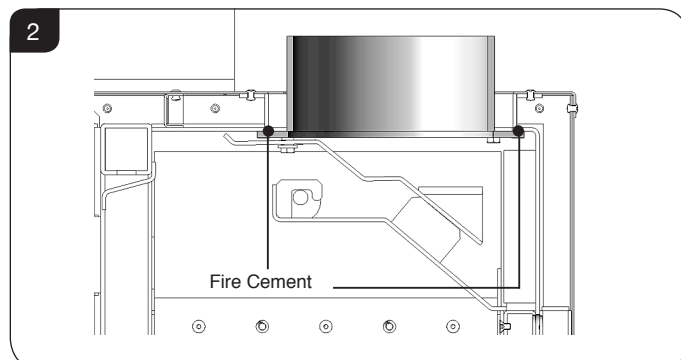
- 1.4 Fix in place using the fixing holes located under the ashpan, see Diagram 1.

Fix using the kit provided:
Tools required 10mm A/F spanner /socket wrench and masonry drill.



- 1.5 Ensure that the flange of the Riva MF is still flat against the opening after tightening the fixing screws

- 1.6 Fill any void at the back or sides of the box with 6:1 vermiculite / cement mix or any other good quality non-combustible insulation material. It is important that the back and sides of the box are well insulated.
- 1.7 **Do not pack the void above the appliance with insulation materials such as mineral wool or vermiculite.**
- 1.8 **The void built for the cassette must be ventilated to prevent a build up of heat. If the void is sealed then you must fit vents at both low and high levels of approximately 50cm² each. These vents must take cold air from the room and return warm air back into the room.**
- 1.9 **An access hatch must be left in the side of the chimney breast for future servicing and inspection of the flue and appliance.**
- 1.10 Connect the flue liner and flue adaptor to the Riva by inserting the flue spigot from the inside of the Riva .
 - Slide the flue pipe or liner adaptor inside the spigot and seal using fire cement
 - Seal the spigot to the inside of the Riva MF using fire cement. See diagrams 2, 3, 4.



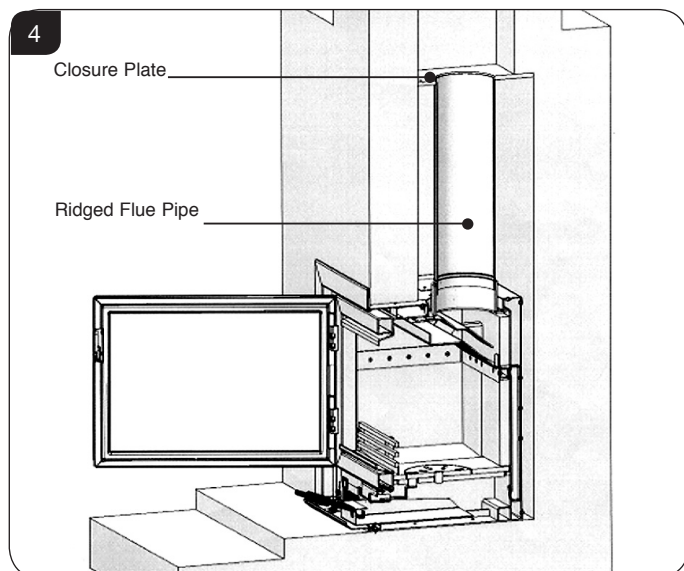
† England and Wales – Document J / Scotland - Part F/Document J (Republic of Ireland only)
‡ the latest edition of BS 8303, BS EN 15287, BS 7566

Installation Instructions

1.11 If the Riva MF is installed on an unlined, masonry flue:

Fit a non-combustible closure plate to locate the first section of single wall flue pipe from the Riva to the old system.

Make the connection as with a flue liner system
Do not connect the system into large voids that could exist in older chimney systems. If this is the case consider using a flue lining system to improve the Riva operation.



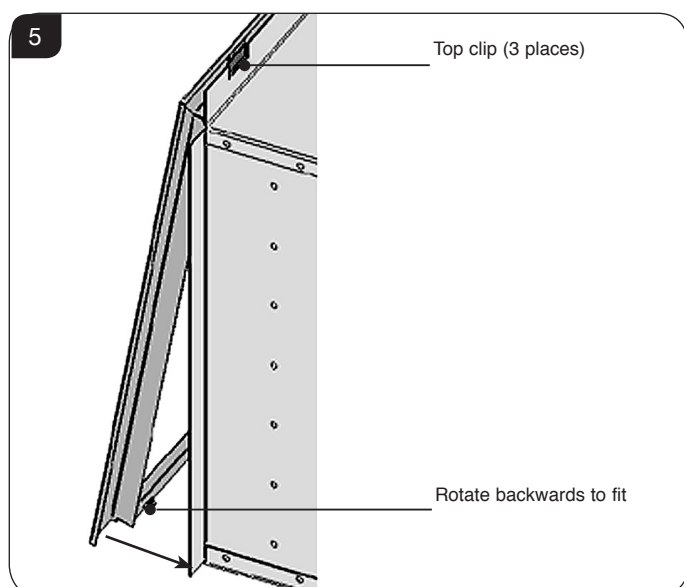
2. Fitting the Frame

RIVA 40, 45, 50, 55, 66, 76

(Tools required – 2.5mm A/F Hex socket key)

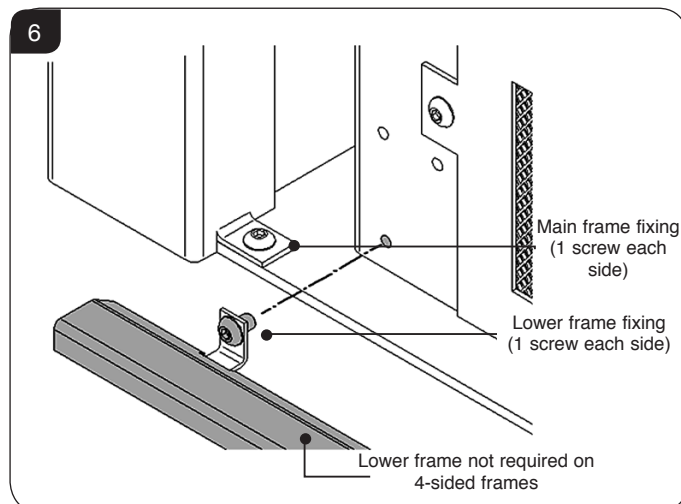
2.1 The frame is in 2 parts, the lower frame and the main 3 sided section.

To fit, locate the main frame on the top clips on the firebox, see Diagram 5.



Rotate the main frame into position on the front of the appliance body and fix in place with the trim fixing screws.

Fix the lower frame into position using the two fixing screws supplied, see Diagram 6.



2.2 The removal of the frame is the reverse of the previous operations.

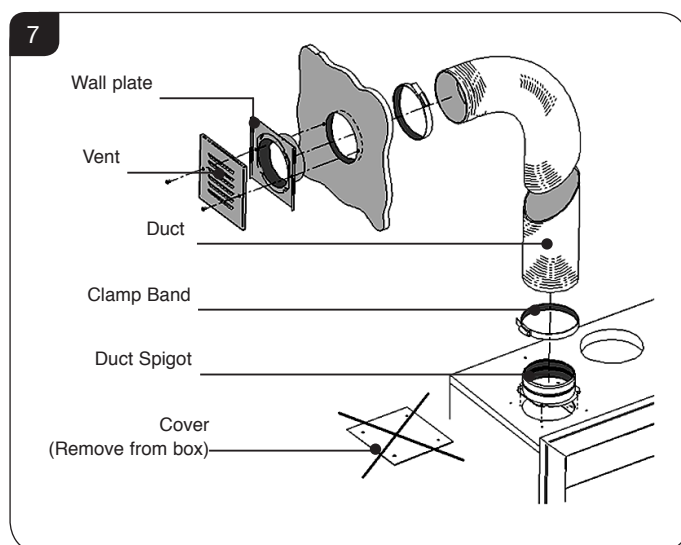
2.3 Protect the Riva paintwork from possible damage and marking from building debris during installation.

3. Fitting Convection Air Ducts

RIVA 50, 55, 66, 66 AVANTI, 76 ONLY

Convection air may be ducted from the Riva MF to distribute warm air to other parts of the building. The distance this air may be ducted, and the position of the ducts will depend on the layout of the property.

A convection air ducting kit can be purchased from your Stovax dealer (Stovax part number 8572), as shown in diagram 7.



Installation Instructions

3.1 To fit the ducts:

Remove the cover plates on the top of the firebox, by drilling out the fixing rivets.

Fit the duct spigots with either pop rivets or self-tapping screws.

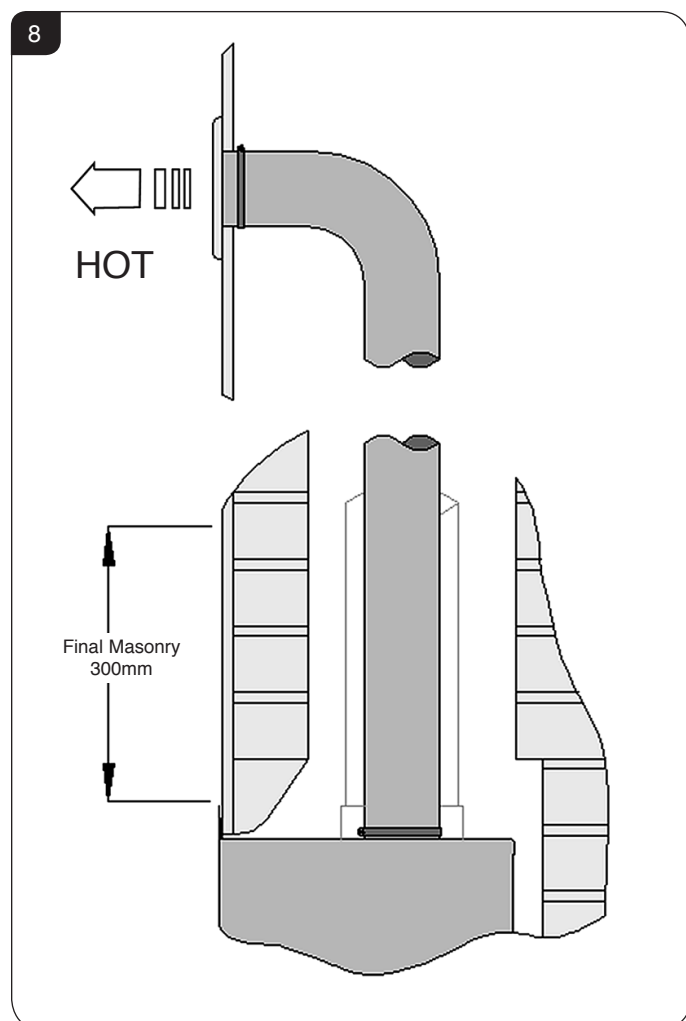
Fit and seal ducting to the spigots.

3.2 Due to the high temperature of the ducts combustible material must be placed no closer than 100mm to the surface. The duct exits and grills must only be placed in a non-combustible wall panel.

3.3 Protect or place the exit ducts at a high level, as the grill surfaces become very hot when in use.

Use a suitable guard if the exit is at low level to prevent touching or obstruction. Do not place combustible items near the operating duct exit as conducted and radiated heat could cause a fire hazard.

3.4 Following completion of the fitting of the ducts replace and finish the final 300mm of masonry above the front of the Riva, see Diagram 8.



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.

HETAS recommend the unit is permanently fixed in accordance with the manufacturer's installation instructions or with the guidance contained in Approved Document J where no other information is available.

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.

Commissioning

Commissioning

1.1 To commission:

- Replace the internal components.
- Check the door alignment and catch operation and adjust if required (see *Maintenance & Servicing, Sections 6 & 7*).
- 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 6 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 must be filled in by your installer to comply with the requirements of HETAS and the building regulations. The installer must give these details, including their HETAS registration number, for the purposes of any insurance details that may change as a result of the appliance being installed.

HETAS LTD - CERTIFICATE OF COMPLIANCE

PLEASE TICK APPROPRIATE BOXES OR ENTER DETAILS IN BOXES BELOW



Record ID (HETAS Use Only)				(*indicates that this data must be given)
Customer Name	*			
Installation Address	*			
Installation Address				
Installation Address				
Installation Address				
Town	*			
Postcode	*		Work Completion Date	*
Local Authority Name (*Must be given if no postcode available)				
Installing Company Name	*		Company's HETAS Reg. No.	*
Installing Engineer's Name	*		Engineer's HETAS Reg. No.	*

Description of Work	
Location:	Lounge <input type="checkbox"/> Dining Room <input type="checkbox"/> Kitchen <input type="checkbox"/> Utility Room <input type="checkbox"/> Bedroom <input type="checkbox"/> Other, Specify <input type="text"/>
Appliance:	Dry Open Fire <input type="checkbox"/> Open Fire with Boiler <input type="checkbox"/> Dry Cooker <input type="checkbox"/> Cooker with Boiler <input type="checkbox"/> Dry Roomheater/Stove <input type="checkbox"/> Roomheater/Stove with Boiler <input type="checkbox"/> Independent Boiler <input type="checkbox"/> Make <input type="text"/> Model <input type="text"/> Heat Output <input type="text"/> kW
System:	New Heating and Hot Water System <input type="checkbox"/> Updated Existing Heating and Hot Water System <input type="checkbox"/> Dry System Only <input type="checkbox"/>
If Wet System:	Is the Hot Water System Unvented? <input type="text"/> Y / N
Chimney:	New Insulated Factory Made Chimney System Installed <input type="checkbox"/>
Relining of existing chimney:	Twin Wall Flexible Liner (for Class 1 Appliance) <input type="checkbox"/> Cast In-situ Liner <input type="checkbox"/> Rigid Sectional Liner Metal <input type="checkbox"/> Rigid Sectional Liner Other <input type="checkbox"/>
Hearth:	New Hearth/Surround fitted <input type="checkbox"/> Existing Hearth Surround Updated <input type="checkbox"/>
Additional Information	
Connecting fluepipe:	Diameter <input type="text"/> mm Socket joints upward and gas tight <input type="text"/>
	Provision for sweeping chimney/fluepipe: Yes <input type="checkbox"/> No <input type="checkbox"/> Chimney Data Plate Location <input type="text"/>
Air supply:	Has a permanently open air vent been fitted: Yes <input type="checkbox"/> No <input type="checkbox"/>
	Is vent opening at least 50% of cross sectional area of throat/flue <input type="text"/> or State total free area of air vent <input type="text"/> mm ²
	Confirm an approved Carbon Monoxide alarm has been fitted <input type="checkbox"/>
Testing & Commissioning to Approved J Appendix E	
Confirm you have commissioned and tested the appliance & associated work for safe and efficient operation <input type="checkbox"/>	
Declaration of completion As the competent person responsible for the work described above, I confirm that the appliance and associated work has been installed in accordance with the HETAS rules of registration, and that the work complies with Regulations 4 and 7 of the Building Regulations, and Approved Documents J, G & L as applicable.	
Signed: _____ Print name: _____ Date: _____	
COPIES OF THIS COMPLETED CERTIFICATE MUST BE (WHITE COPY) SENT TO HETAS LTD AT THE ADDRESS GIVEN BELOW (PINK COPY) GIVEN TO THE CUSTOMER FOR RETENTION (YELLOW COPY) RETAINED BY THE INSTALLING COMPANY	

THIS CERTIFICATE SHOULD BE RETAINED BY THE PROPERTY OWNER
WHO MAY BE REQUIRED TO PRODUCE IT IN ANY FUTURE SALE OF THE PROPERTY.

HETAS Ltd, Unit5, Newton Trading Estate, Green Lane, Tewkesbury, Glos. GL20 8HD

HETAS Ltd © (Oct 2010)

Maintenance & Servicing

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

1. Annual Service

i **IMPORTANT:** Stovax provide gauntlet style gloves for the users protection from heat and any sharp edges when using the appliance. For your safety ensure that gloves are always worn when opening, operating, refuelling or handling internal metalwork.

- 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. Take care handling firebricks as they can become fragile after a period of use.
 - 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).
 - Clean the grate parts with a wire brush.
 - 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.
 - Remove the glass from the door and discard all old rope seals. (see *Maintenance and Servicing, Section 4*).
 - **On appliances with printed glass do not use cleaning agents that have a high alkaline or acidic content, for example Stovax Gel Cleaner, these are aggressive cleaning agents designed to be used with heavily stained clear glass. On printed glass surfaces, use Stovax Glass Cleaner (Stovax No.4103) which is better formulated for this application.**
- Do not use abrasive cleaners to remove tar or soot deposits from the glass.**
- Fit new door rope seal (see *Maintenance and Servicing, Section 5*).
 - Lightly oil the door catch mechanism and hinge pins. Avoid getting oil onto the door seals and glass.
 - To refresh painted finishes a touch up spray is available. Contact your Stovax retailer quoting the serial number found on the appliance date badge.

- 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
Preventing build-up of creosote in flue	Protector (15 sachets)
	Protector (1kg tub)
Sealing flue pipe joints	Fire Cement (500g tub)
	Fire Cement (600g cartridge)
Re-painting	150ml Touch up aerosol
Protecting your hands	Heat resistant leather gloves
Thermic seal glue	(50ml bottle)
Ash Clean	Vacuum Cleaner Attachment
Cleaning Glass	Gel Cleaner
	Glass Cleaner (Stovax no. 4103)

These products, available online at www.stovax.com or from your local Stovax Retailer, 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 20.

Log Guard - Pre-Installation Section 3, page 20.

Baffles - Pre-Installation Section 4, page 20.

Firebricks - Pre-Installation Section 5, page 21.

Firegrate - Pre-Installation Section 6, page 22.

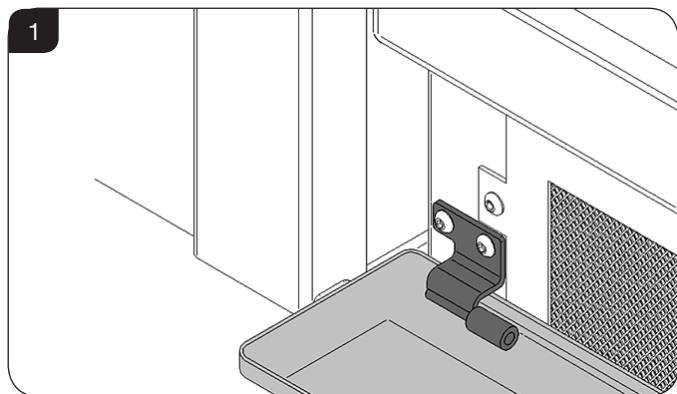
Maintenance & Servicing

3. Ashpan door Removal

(Tools required – 2.5mm A/F Hex socket key)

3.1 To remove the ashpan door from the appliance,

Lower the door to expose the hinge fixing screws (2 each hinge), see Diagram 1.

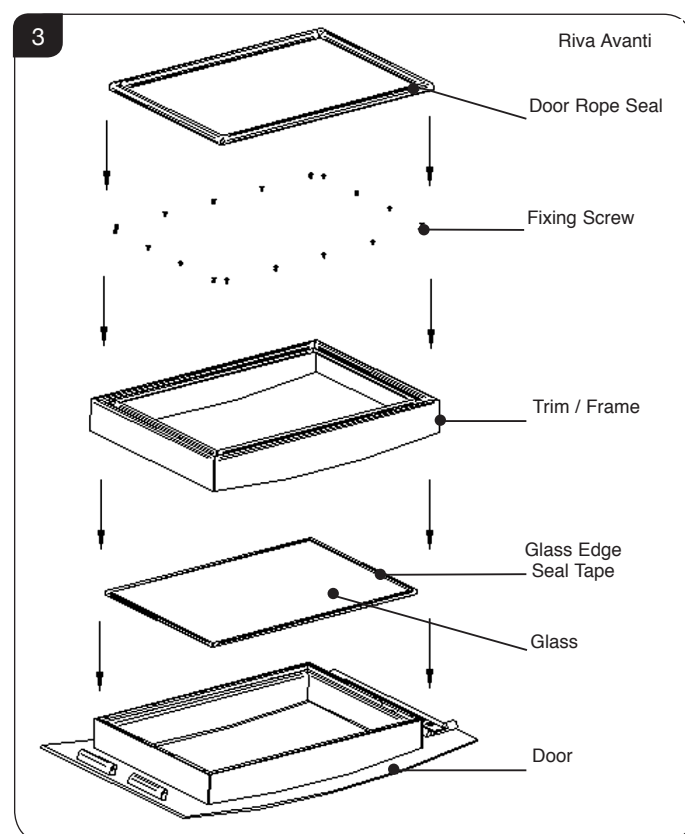
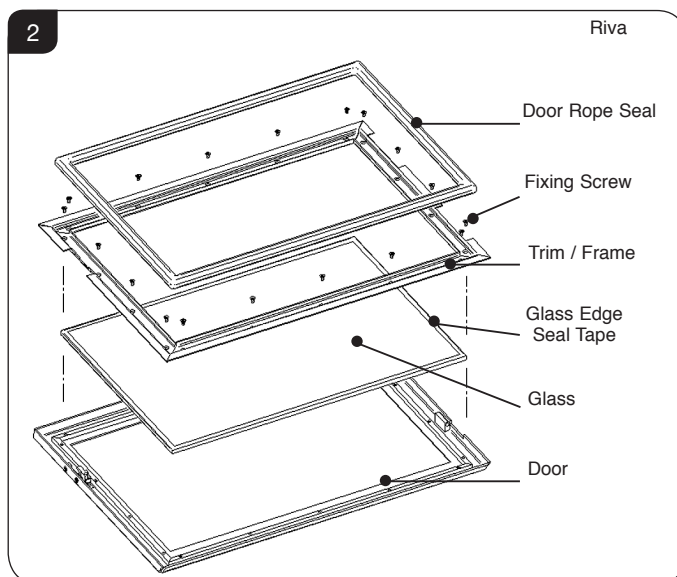


Remove the fixing screws and lift the ashpit door clear of the appliance.

3.2 The replacement of the system is the reverse of the previous operations.

4. Fitting a New Door Glass - All Models

4.1 To maintain safe use of the appliance damaged door glass must be replaced immediately. To complete this operation remove the door see Section 2 in the Pre-Installation section.



- 4.2 Lay the door face down on a soft flat surface, to protect the paintwork and glass.
- 4.3 Remove the old door rope seal and scrape old glue from the locating groove. Clean the locating groove with a clean, dry cloth to remove all old dust and debris.
- 4.4 Remove the glass clip fixing screws with a 2.5A/F hexagon key. The old glass can then be lifted clear of the door (Note how the edge sealing tape is fixed).
- 4.5 Dispose of the old glass safely.
- 4.6 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, this will aid future removal.
- 4.7 Fit the edge sealing tape to the new glass and place the glass into position in the door.
- 4.8 Place the door frame/trim back into position and refix with the cleaning fixing screws. Do not over tighten the clips as this could break the glass.
- 4.9 Squeeze a generous bead of fresh Stovax Thermic Seal glue into the rope locating groove.
Do not glue over the screw heads.
- 4.10 Press the new Stovax door sealing rope into the locating groove, placing the joint in the middle of the lower edge of the door.

Refit the door on to the appliance and close the door to apply pressure to new rope.

Maintenance & Servicing

Leave the door 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.

- 4.11 Fit only original Stovax ceramic glass, which is suitable to use in high temperature applications.
- 4.12 Using the appliance with a damaged door glass could cause dangerous fumes to enter the room, or the appliance to over fire, resulting in damage.

5. Fitting a New Door Seal

- 5.1 To maintain the safe use of your appliance you need to replace damaged or worn door sealing rope. To complete this operation remove the door see Section 2 in the Pre-Installation section.
- 5.2 Lay the door face down on a soft flat surface, to protect the paintwork and glass
- 5.3 Remove the old rope and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.
- 5.4 Squeeze a generous bead of fresh Stovax Thermic Seal glue into the rope locating groove
- 5.5 Press the new Stovax rope into the locating groove, placing the joint in the middle of the lower edge of the door
- 5.6 Refit the door and close the door to apply pressure to the new rope.

Leave the door 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.

- 5.7 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.

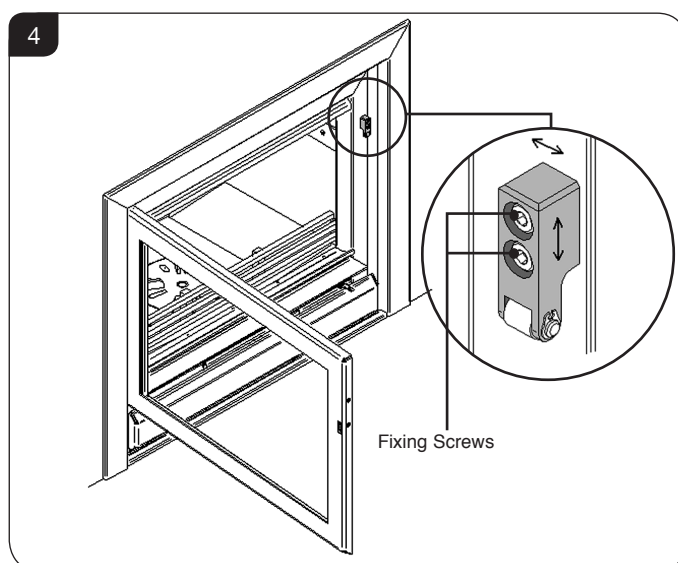
6. Adjusting the Door Catch

To maintain the safe use of your Riva, you may need to adjust the door catch to ensure safe correct closing of the door.

RIVA 40, 45, 50, 55, 66, 76

- 6.1 To complete this operation open the main fire door to give access to the fixed part of the door catch as shown in Diagram 4.
- 6.2 Using a 2.5mm A/F hexagon key loosen the 2 fixing screws, as shown in Diagram 4.

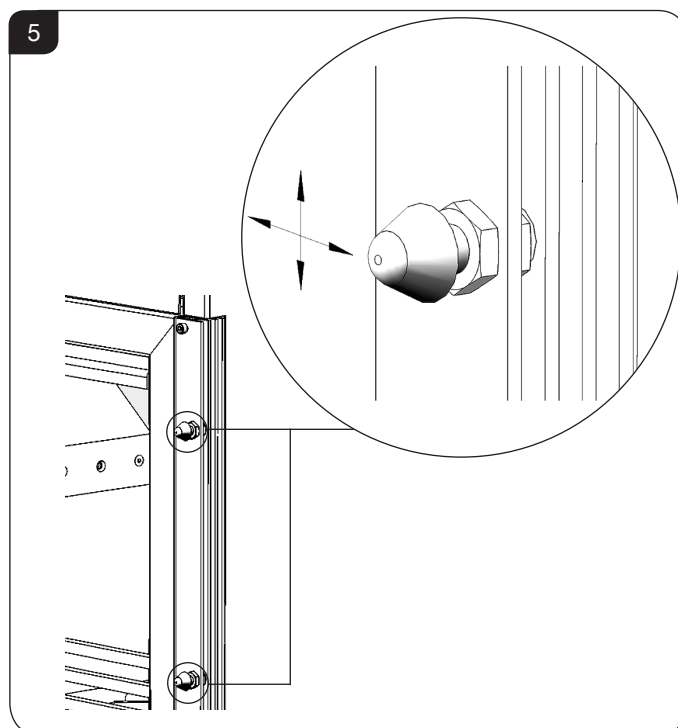
Reposition the catch block to achieve a correct fit
This may need a trial and error approach to find the correct position.
- 6.3 If the door still feels loose after correcting the catch operation, the door rope seal is worn and requires replacement, as detailed in section 5.



RIVA AVANTI

(Tool required - 13mm A/F spanner)

- 6.4 To complete this operation open the main fire door to give access to the fixed part of the door catch as shown in Diagram 5.



Maintenance & Servicing

- 6.5 Use a 13mm A/F spanner loosen the locking nut holding the catch block shown in Diagram 5.

Reposition the catch block to achieve a correct fit
This may need a trial and error approach to find the correct position.

- 6.6 If the door still feels loose after correcting the catch operation, the door rope seal is worn and requires replacement, as detailed in Section 5.

7. Adjusting Door Hinges

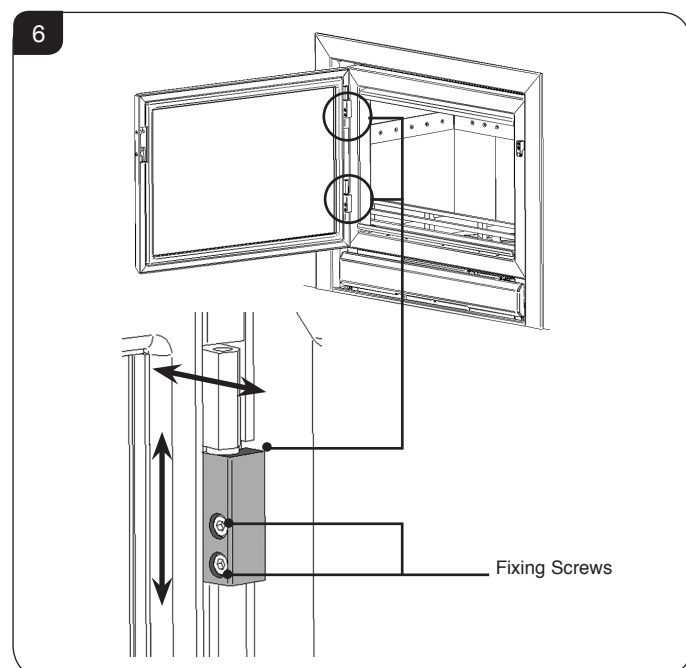
To maintain the safe use of your Riva, you may need to adjust the door hinges to ensure safe correct closing of the door.

RIVA 40, 45, 50, 55, 66, 76

- 7.1 To complete this operation open the main fire door to give access to the hinge block as shown in Diagram 6.

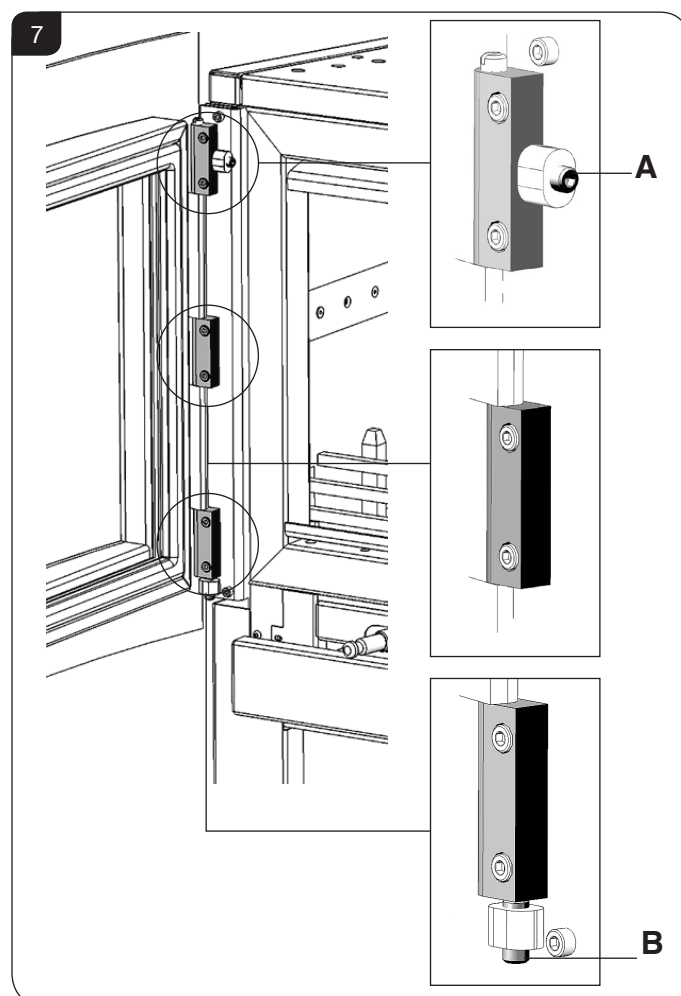
- 7.2 Use a 3mm A/F hexagon key to loosen fixing screws, see Diagram 6,

Reposition the hinge blocks to achieve a correct fit
This may need a trial and error approach to find the correct position.



RIVA AVANTI

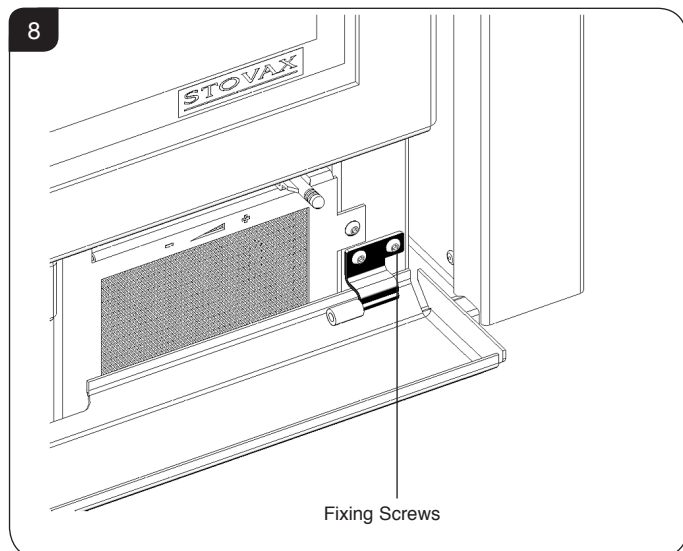
- 7.3 To complete this operation open the main fire door to give access to the hinge block as shown in Diagram 7.
- 7.4 Loosen the 6 fixing screws using a 4mm A/F hexagon head socket key to adjust the door alignment.
- 7.5 Turn screw A to level the door
- 7.6 Turn screw B to raise or lower the door
- 7.7 Re-tighten the fixing screws and check alignment.
This may require a trial and error approach to find the correct position.



Maintenance & Servicing

8. Adjusting Ashpan Cover Hinges

(Tool required - 2.5mm A/F Hex socket key)

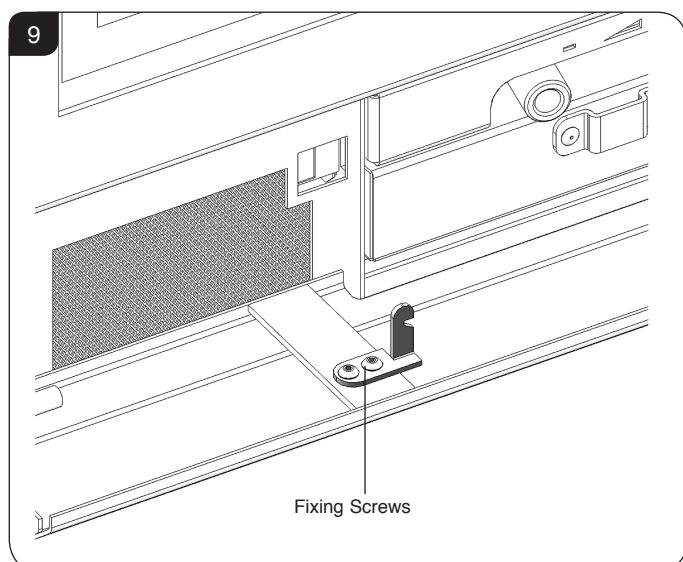


- 8.1 Correct the fit of the ashpit door by loosening the hinge fixing screws and repositioning the hinges.

9. Adjusting Ashpan Door Touch Latch

RIVA 40,45, 50, 55, 66, 76

(Tool required - 2.5mm A/F Hex socket key)



- 9.1 Correct the operation of the ashpit door touch latch by loosening the latches fixing screws and repositioning the latch. This may need a trial and error approach to find the correct 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.



† 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 33/ INFO (Republic of Ireland).

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.

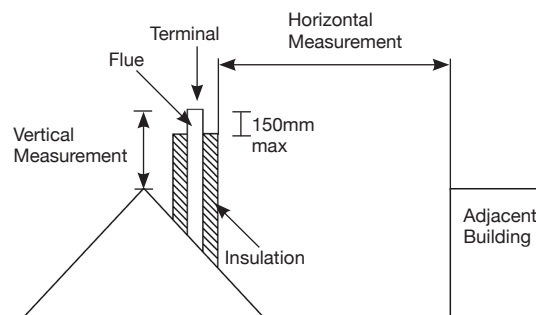
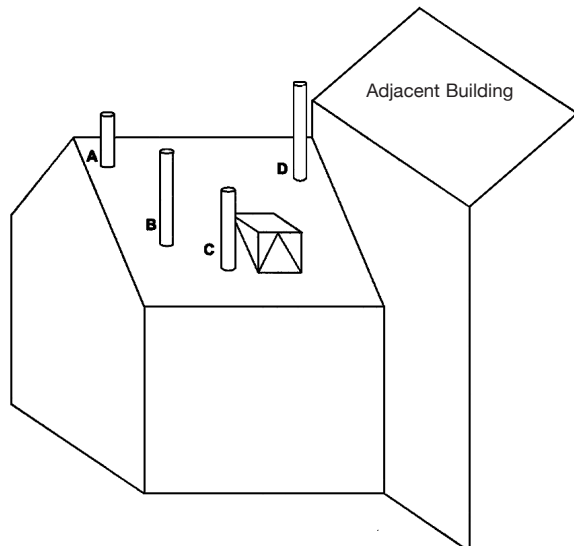
A faulty installation can cause danger to the inhabitants and structure of the building.

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

2. Flue or Chimney

- 2.1 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.

- 2.2 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.
- There should be at least 600mm of vertical flue pipe above the appliance before any bends are introduced.
- 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.
- The installer must ensure the flue pipe diameter is not less than the diameter of the outlet of the appliance and does not narrow to less than the size of the outlet at any point in the system.
- 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†.
- Chimney heights and/or separations may need to be increased in particular cases where wind exposure, surrounding tall buildings, high trees or high ground could have adverse effects on flue draught.
- Do not connect or share the flue or chimney system with another heating appliance.

- 2.3 Do not connect to systems containing large voids or spaces over 230mm square.
- 2.4 Suitable access must be provided to enable the collection and removal of debris.
- 2.5 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 En 15287-1, 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

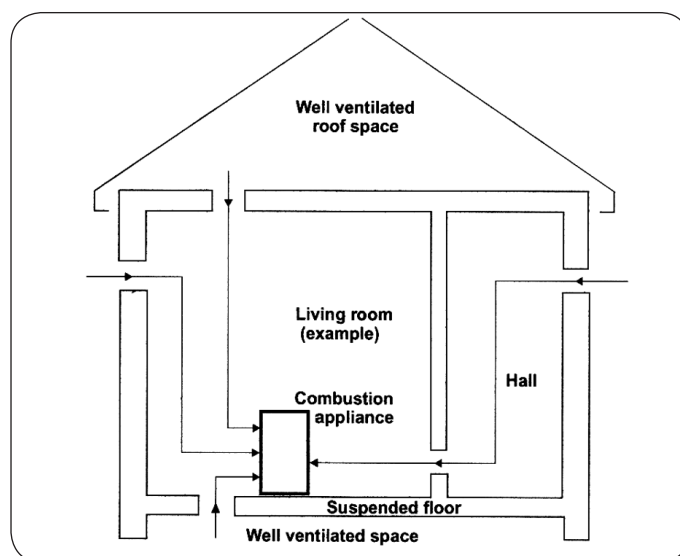
3. Ventilation

- 3.1 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 5m3 per hour per m2 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.

- 3.2 This appliance requires a constant supply of air to maintain proper combustion and effective flue performance.
- 3.3 An inadequate air supply can result in poor combustion and smoke entering the room which is potentially dangerous.
- 3.4 This supply of air can come from either:
- 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.
- 3.5 The amount of air required must comply with local building regulations and the rules in force.
- 3.6 If spillage is detected during commissioning then there may be insufficient natural ventilation and an additional air supply will be necessary.
- 3.7 Permanent air vents should be non-adjustable and positioned where they are unlikely to be become blocked.
- 3.8 If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.
- 3.9 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).
- 3.10 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.
- 3.11 Increase air supply provisions where a room contains multiple appliances.
- 3.12 **If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**



4. Minimum Dimensions - Hearth

- 4.1 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.
- 4.2 The building must have a suitable load-bearing capacity for the hearth and appliance. Consult a structural engineer for advice before proceeding.
- 4.3 When fitting into an existing hearth check that the appliance complies with current construction regulations and is at least the minimum sizes shown.
- 4.4 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.
- 4.5 Check if adding a new chimney to your property requires planning permission.
- 4.6 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.

Technical Appendix

5. Builders Opening

Many fireplace openings have a supporting lintel. Remove the covering plaster to identify it's position before starting any constructive work. Do not remove constructional lintels without making provision to support the remaining structure of the building. The appliance must not form any part of the supporting structure.

- 5.1 The chimney/flue must have a sealed connection to the appliance flue spigot.
- 5.2 The structure of the builders opening will reach high temperatures. Use insulating blockwork to reduce the heat transfer to the external walls.
- 5.3 Take care when finishing the chimney breast and surrounding area. The conducted and convected heat emitted by the appliance could be high enough to crack normal plaster. Use a high temperature plaster, or face the area with a suitable high temperature plasterboard avoiding any joints above the appliance. New plaster should be fully dried before the appliance is used, or cracking could occur.

If you are in any doubt about your ability to produce a safe opening contact your Stovax dealer for professional advice.*

Riva 40 only

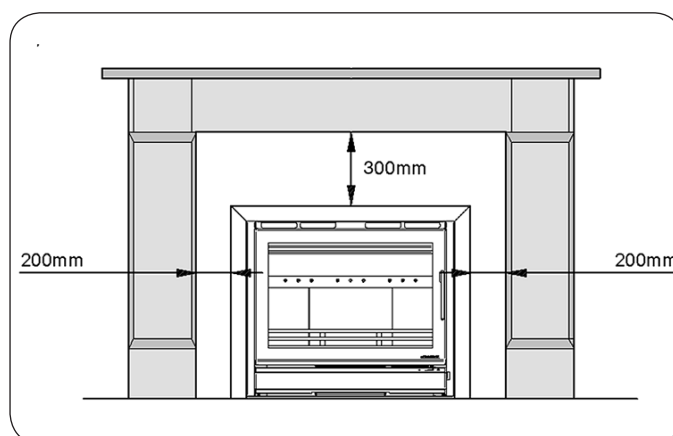
It is possible to fit the Riva 40 into an existing, traditional, 16" fireplace opening following the removal of any existing milner fireback. Following the removal of the fireback and any flaunching above, the builders opening should be checked and made good to the dimensions shown in the table. Care should be taken to ensure the existing chimney is in good condition and that it is possible to make the required sealed fluepipe connections to this when the Riva 40 is installed.

If you are in any doubt about your ability to produce a safe opening contact your Stovax dealer for professional advice.*

Riva 55/66/76 only

Should you wish to connect air ducting to the convection system, provision should be made to increase the opening height by an additional 300mm. This will allow the access needed to fit the duct pipes after connecting the flue system.

6. Combustible Fire Surround Clearances



- 6.1 We recommend you obtain expert advice before proceeding with work of this nature.
- 6.2 Some finishes may discolour with heat and some lower quality products may distort, or crack, when in use.

If stone / granite / marble or any other natural material is used to construct the fire surround, or any part of it, provision should be made for expansion and movement of the parts due to heating and cooling.

If you are in any doubt about the installation requirements, or suitability of fire surrounds contact your Stovax dealer.
- 6.3 All fire surrounds should be suitable for use with solid fuel heating products.

7. Fitting Appliances On A Boat

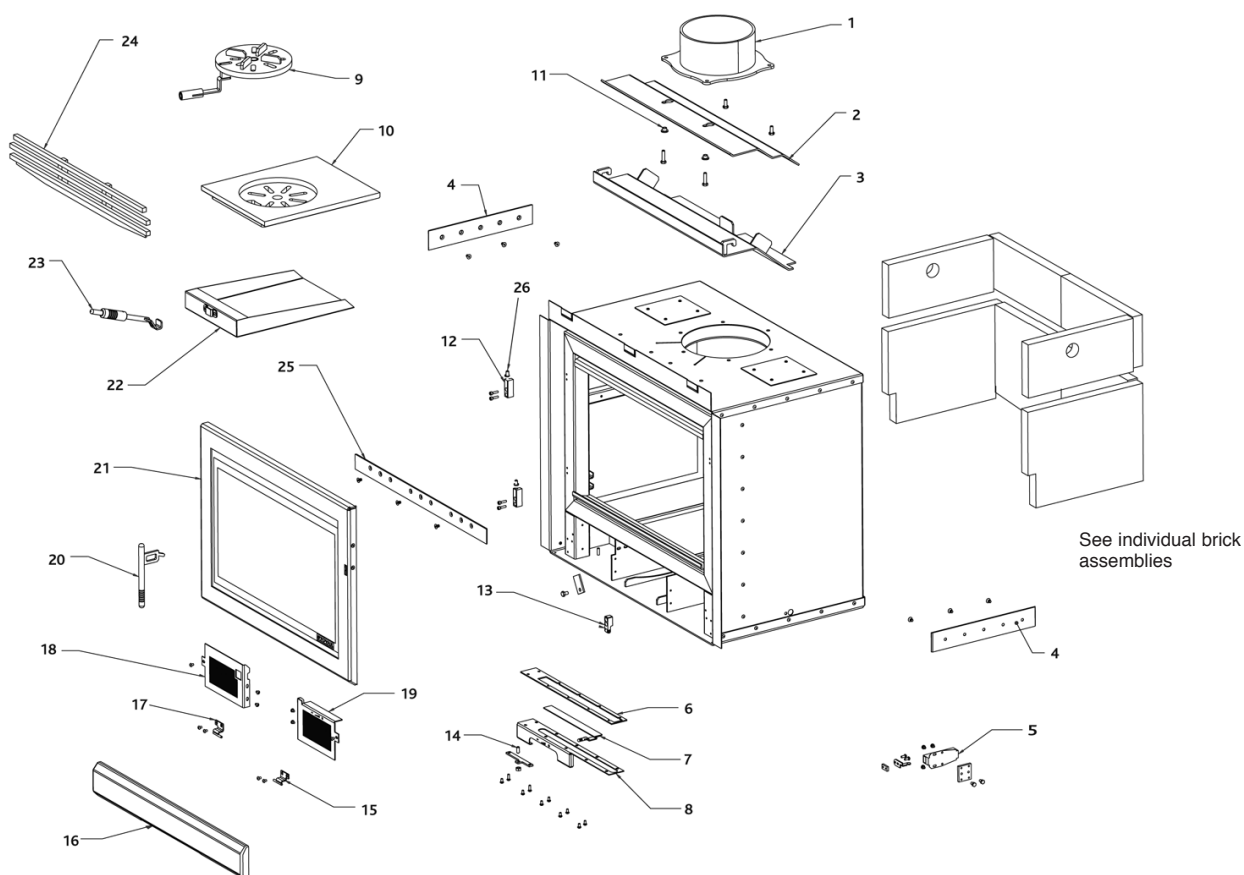
- 7.1 If an appliance is to be fitted in a boat it must be done in accordance with the latest edition of BS 8511 (Code of Practice for the Installation of Solid Fuel Heating Appliances on Boats). The Code covers the design, installation and operation of solid fuel heating appliances that are suitable 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.
- 7.2 Consideration should also be given to the requirements of the Boat Safety Scheme (BSS) to ensure the boat's insurance remains valid.
- 7.3 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).
- 7.4 Secure the product to a suitably constructed non-combustible hearth.
- 7.5 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.
- 7.6 Failure to safely install the appliance could endanger the boat and persons on board.

Information Requirement - Solid Fuel

Product Fiche - Information Requirement for Solid Fuel Local Space Heater

Model	Riva F40	Riva F40 Avanti/ Midi/Highline	Riva F55	Riva F55 Avanti Midi	Riva F66	Riva F76
Direct Efficiency Class	A	A	A+	A+	A+	A
Direct Heat Output (kW)	4.90	4.90	8.00	8.00	8.00	9.00
Indirect Output (kW)	-	-	-	-	-	-
Energy Efficiency Index (EEI)	102	102	109	109	107	103
Useful Energy Efficiency at Nominal Heat Output	77%	77%	82%	82%	80%	78%
Safety Precautions	Appliance must be installed, Used and Maintained in accordance with the manufacturers instructions supplied					

Basic Spare Parts



Ref. No.	Description
1	6" FLUE ADPATER
2	UPPER BAFFLE
3	LOWER BAFFLE
4	FASCIA SIDE
5	ASH PAN ASSEMBLY
6	AIR WASH SPACER
7	AIR WASH SLIDER
8	PRIMARY CONTROL
9	CENTRE GRATE
10	MAIN GRATE
11	BAFFLE SUPPORT SPACER
12	HINGE BLOCK
13	DOOR CATCH
14	OPTI-BURN PLUNGER
15	ASH COVER HINGE RH
16	ASH COVER
17	ASH COVER HINGE LH
18	FASCIA PLATE LH
19	FASCIA PLATE RH
20	DOOR HANDLE
21	DOOR ASSEMBLY
22	ASH PAN
23	ASH PAN TOOL
24	LOG GUARD
25	FASCIA REAR
26	GLASS
27	DOOR CATCH



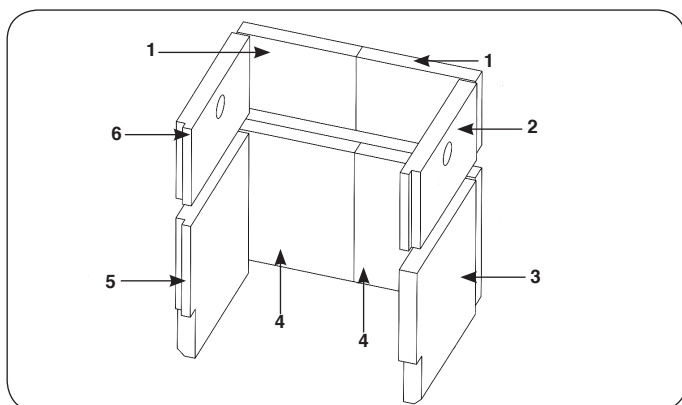
Due to continual technical improvements please check online or with your Stovax retailer for the most up to date parts lists.

Only use Genuine Stovax spares when servicing your appliance.

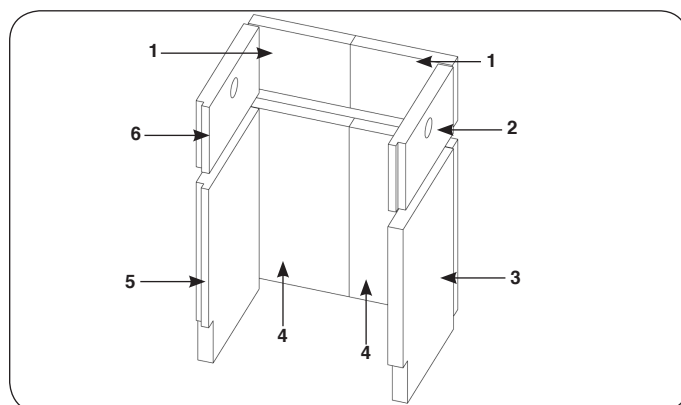
All of our essential spare parts and consumable items are available to purchase from our webshop at www.stovaxspares.com.

Basic Spare Parts

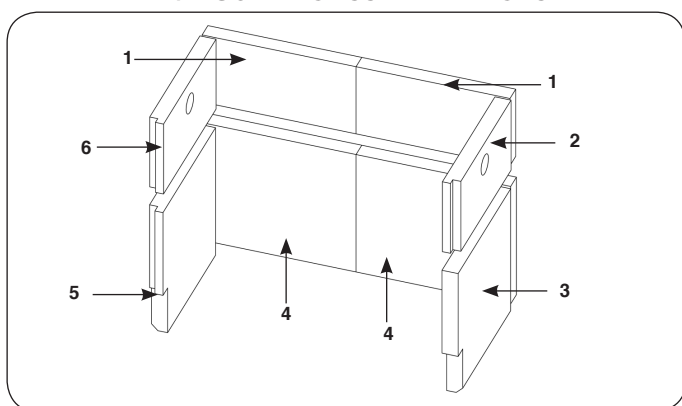
RIVA 40 MF CASSETTE BRICKS



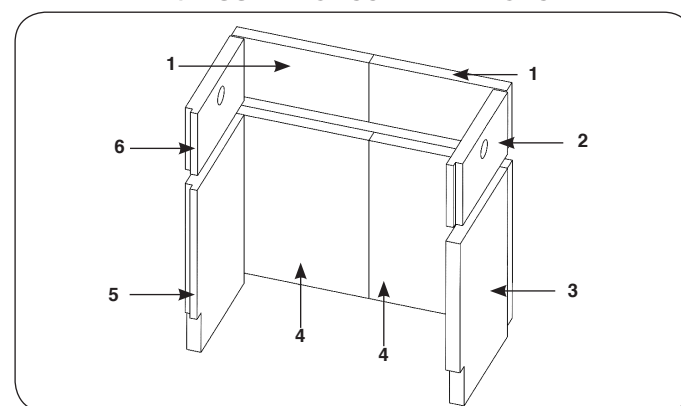
RIVA 45 MF CASSETTE BRICKS



RIVA 50 MF CASSETTE BRICKS

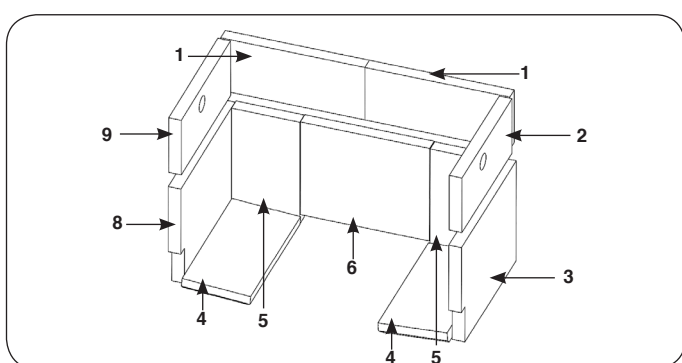


RIVA 55 MF CASSETTE BRICKS



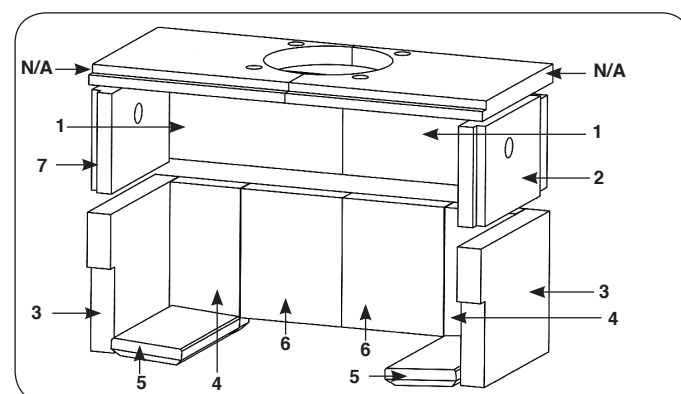
Ref. No.	Description
1	REAR TOP LH/RH
2	SIDE TOP RH
3	SIDE BOTTOM RH
4	REAR BOTTOM LH/RH
5	SIDE BOTTOM LH
6	SIDE TOP LH

RIVA 66 & 66 AVANTI MF CASSETTE BRICKS



Ref. No.	Description
1	REAR TOP LH/RH
2	SIDE TOP RH
3	SIDE BOTTOM RH
4	BASE RH
5	SIDE BOTTOM LH/RH
6	REAR BOTTOM CENTRE
7	BASE LH
8	SIDE BOTTOM LH
9	SIDE TOP LH

RIVA 76 WOOD BURNING CASSETTE BRICKS



Ref. No.	Description
1	REAR TOP LH/RH
2	SIDE TOP RH
3	SIDE BOTTOM RH
4	BASE LH/RH
5	SIDE BOTTOM LH/RH
6	REAR BOTTOM CENTRE
7	SIDE TOP LH

Service Records

1ST 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

5TH 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

9TH 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

4TH 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

8TH 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



HETAS Approval

These appliances have been approved by HETAS as an intermittent operating appliance for burning dry seasoned wood logs and anthracite or manufactured briquette smokeless fuels.

Recommended Fuels

Please note that HETAS Appliance Approval only covers the use of dry seasoned wood logs and anthracite or manufactured briquette smokeless fuels on these appliances. HETAS approval does not cover the use of other fuels either alone or mixed with the recommended fuels, nor does it cover instructions for the use of other fuels.

STOVAX

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

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