ROSEDALE INSET ECO SMOKE CONTROL STOVE





Please note these instructions cover 2 models of stoves:

The Rosedale Inset Eco Smoke Control stove (Flat door version)

And the

The Rosedale Inset Eco Smoke Control stove (Bowed door version)

Read these instructions carefully before installation and use
These instructions should be retained by the user for future reference

The Rosedale Inset Eco Smoke Control Flat door / Bow door stove has a nominal heat output of 5kW and a weight of 88 kg. The flue gas mass flow is 3.8g/s for mineral fuel and 4.3g/s for wood logs. The mean flue gas temperature directly downstream of the flue spigot at nominal heat output is 294 degrees C when burning wood, and 272 degrees C when burning Maxibrite. The Rosedale Inset Eco Smoke Control Flat door / Bow door stove has been approved by Hetas Ltd as a closed appliance and is capable of intermittent operation. The Rosedale Inset Eco Smoke Control Flat door / Bow door stove has been recommended as suitable for use in smoke control areas when burning seasoned wood logs.

WARNING

The stove must be installed to comply with Health and Safety at work Act 1974, to British Standard BS8303 and to all local Building Regulations, including those referring to National and European standards. These need to be complied with when installing the appliance. Ensure that the flue pipe diameter is not less than the 125mm diameter outlet on the appliance.

There must not be an extractor fan fitted in the same room as The Rosedale Inset Eco Smoke Control Flat door / Bow door stove. If there is a possibility of disturbing asbestos during the installation it is necessary to take the appropriate steps to protect the installer.

Fire cement is caustic, and protective gloves should be worn.

The chimney must be swept and examined for soundness and suitability before the stove is installed. Remedial action should be taken if required, seeking expert advice if necessary. Where the chimney is believed to have previously served an open fire installation, it is possible that the higher flue gas temperature from a closed appliance may loosen deposits that were previously firmly adhered, with the consequent risk of flue blockage. It is therefore recommended that the chimney be swept a second time within a month of regular use after installation.

CO Alarms

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 BS EN 50292:2002 and from the alarm manufacturer’s instructions.

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

The Clean Air Act 1993 and Smoke Control Areas

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorised fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

In England appliances are exempted by publication on a list by the Secretary of State in accordance with changes made to sections 20 and 21 of the Clean Air Act 1993 by section 15 of the Deregulation Act 2015. In Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Regulatory Reform (Scotland) Act 2014. Similarly, In Northern Ireland appliances are exempted by publication on a list by the Department of Agriculture, Environment and Rural Affairs under Section 16 of the Environmental Better regulation Act (Northern Ireland) 2016. In Wales appliances are exempted by regulations made by Welsh Ministers.

Further information on the requirements of the Clean Air Act can be found here:
https://www.gov.uk/smoke-control-area-rules

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements.

UNPACK THE STOVE

CONTENTS

- Rosedale Inset Eco Smoke Control Multi-Fuel Stove
- Stove Gloves (in ashpan)
- Operating tool and stove handle cover
- Fixing Kit (incl. Sealing Rope, Fixing bar & Bolts)
- Instructions

Take The Rosedale Inset Eco Smoke Control Flat door / Bow door stove off the pallet. Carefully unpack the multi-fuel stove, leaving the plastic cover on if building work is still in progress - it is important to protect the paint finish from any damage, water, dust or fire cement.

CLEARANCES

A suitable back and hearth of non-combustible material must be provided. The hearth must extend at least 300mm in front of the stove. If The Rosedale Inset Eco Smoke Control Flat door / Bow door stove is to be installed with a fire surround we recommend a minimum clearance of 350mm from the top of the stove and 200mm at each side of the stove from any combustible material.

We cannot guarantee that a wooden mantle or painted finishes will not crack or discolour with the heat. All fire surrounds, fireplaces etc. should be suitable for use with solid fuel heating appliances. We do not recommend the use of a marble or granite fireplace.

This appliance has been tested for hearth temperatures, and the hearth temperature exceeds 100 degrees C so a constructional hearth is required.

INSTALLATION

A minimum flue draught of 20 Pa is required for nominal heat output. As referred to in document J of the Building Regulations, The Rosedale Inset Eco Smoke Control Flat door / Bow door stove does not require any purpose provided ventilation. It is important that any inlet grilles are so positioned that they are not liable to blockage. It is essential that the stove has adequate air supply for combustion and ventilation. Apertures provided for this purpose shall not be restricted.

The appliance must be installed on a floor with an adequate load-bearing capacity. If an existing construction doesn't meet the prerequisite, suitable measures (e.g. load distributing plate) shall be taken to achieve it.

The Rosedale Inset Eco Smoke Control Flat door / Bow door stove requires a Class 1 chimney of its own - a shared chimney will not be suitable. The chimney must be sound, free from leaks and swept before installation. The length of the chimney must be at least 4.5 metres from the top of the stove and must finish in a down draught free area.

A stove must not be installed into a room where there is an extractor fan or fumes could be pulled down the chimney. The Rosedale Inset Eco Smoke Control Flat door / Bow door stove can be fitted straight into a fire opening after the chair back has been removed. If there is a flue liner, this must be suitable for solid fuel and a minimum of 125mm internal diameter. You will require a flue liner adapter to connect to the stove. It is possible to sweep the chimney from inside The Rosedale Inset Eco Smoke Control Flat door / Bow door stove after removing the baffle plate. Alternatively a facility for sweeping the chimney may be provided, and this may be done by installing a soot door in the brickwork.

INSTALLATION

In the sealing kit provided there is some ceramic rope with an adhesive strip, cut this rope to length so it fits around edge on the back of the stove. Remove the wax strip on the ceramic rope and adhere it into position, adhesive side to the stove.

Carefully manoeuvre the stove into the fireplace opening, being careful not to damage the hearth or the paint work on the body of the stove. There is a fixing strip that goes underneath the stove. It is bolted down into the hearth with 2 expanding bolts supplied with the stove. There is a choice of 4 elongated holes in total in the fixing strip.
The fixing strip pulls the stove down onto the hearth, resting on the ledge at either side of the stove. You have quite a lot of flexibility on the position front to back of the fixing strip. Ideally the fixing strip needs to be central front to back.

You will need to work out where the stove will be, mark out the drill positions, then remove the stove from the opening and drill the two holes. You can at this point get ready for connecting the liner to the stove. Adjust the liner to the correct length.

There is a collar that connects to the stove with four bolts. Connect the flue to the collar and push the liner up the chimney. Then put the stove back into the opening and fasten down the fixing strip, you will need a 10mm spanner to tighten the expanding bolts down. The bottom section under the stove must also be airtight to stop any air finding its way under and around the back of the stove.

Reach up through the stove and pull the stove collar down from the chimney. Use the four bolts supplied to pull the collar down to the stove, forming an air tight seal. There are two fibre rope seals on these. Using fire cement press a sufficient amount all around the base under the stove and the bottom of the fireplace opening. Make sure that all joints and connections are well sealed. Then, using fire cement, seal up where the firebrick (or throat area) meets the flue outlet of the stove. This is to prevent fumes coming out of the stove and going back down behind the Rosedale Inset Eco Smoke Control.

When installation is complete, light a fire and make sure all joints are sealed. The stove is painted with a high temperature paint finish. The paint will be cured when most surfaces have reached about 246 degrees C. During the initial burn off period you will notice an unpleasant smell; you should not touch or wipe the paint during this period as it will be soft and may mark. Do not use water to clean the stove, either before or after it is cured. The room should be well ventilated; children and pets should be kept away.

LIGHTING THE STOVE

When ready to light the stove for the first time, make sure that everything is removed from the ashpan, and open all air vents on the stove. First burn some newspaper in the stove with the door closed, to warm the flue, as there may be down draught initially. The temperature in the flue has to be increased to change the down draught to up draught. If down draught persists, try burning a blow torch in the stove, facing the flue for a minute or two. If there is a soot door fitted, try warming the flue through the soot door

When ready to light the stove, put a small piece of fire lighter, about 25mm square is big enough, and then add small sticks, taking care not to smother the flames. Then add small logs, gradually increasing the size, or solid fuel. Once the fire is well established the bottom air vent can be closed, and the fire can be controlled from the top air controls, without having to bend down. The air vents do become hot, so use a glove or small poker to open or close the air vents, they only need moving slightly to open or close the air gap. When burning solid fuel, it is necessary to leave the bottom air vent slightly open to avoid damaging the grate as air must go through the grate to keep it cool.

To close the stove down, close the bottom air vent and the top air vents. Depending on the fuel and the amount of draught in the chimney, it may be necessary to leave the top vents open slightly to allow the glass to burn clean, and it is necessary to leave a small amount of air through the bottom vents when burning certain solid fuels.

STOVE HANDLE COVER

There is a black stove handle cover included with your stove, this is to be used when opening and closing the stove door. Place the black handle cover over the handle when opening and closing the stove door, then remove and leave near the stove for the next time.

THIS HANDLE COVER IS NOT TO BE LEFT ON THE STOVE WHEN THE STOVE IS HOT

TURBO BURNER

There is a Turbo Burner which brings air in allowing plenty of oxygen into the rear and top of the stove, thus burning off gases which normally do not ignite. This gives the stove more efficiency and better combustion, less pollution. The turbo burner is built in and needs no adjustment.

SAFETY

When all the air vents are closed the glass may become black because the clean burn will be shut off. To burn the glass clean, make a good fire to get the stove hot, close the bottom vent and leave the top air vents open. The appliance is designed to operate efficiently with the fire door closed. The door should be kept closed at all times, except when refuelling or removing ashes

DO NOT OPEN THE BOTTOM AIR VENT WITH THE TOP ONES CLOSED AS THIS WILL DAMAGE THE GLASS

In the presence of children, elderly or infirm people a fireguard should be used. The fireguard should be manufactured in accordance with BS 8423:2002 – Fireguards for use with solid fuel appliances.

User warning - parts become very hot while the stove is running so should not be touched with bare hands. The special operating tool, stove handle cover and a pair of gloves are provided for operation of the hot stove.

TO RE-FUEL THE STOVE

When re-fuelling the stove always open the firebox door gently, this will equalise the firebox pressure and avoid any smoke escaping into the room. Place the new refuel charge onto a hot bed of glowing embers, fully open the primary and secondary air controls for a period of approximately 2 minutes or until the refuel charge is burning well. At this stage the primary air control slider can be closed and secondary air spin wheels adjusted to the desired setting.

Do not over fill the firebox, the maximum filling height is 100mm. The maximum amount of fuel specified should not be exceeded, overloading can cause excessive smoke.

- Never overfill the firebox with fuel
- Always ensure the fire is burning well before closing the air controls to the desired setting.
- Never operate the stove for long periods with the primary air control fully open.
- Always refuel onto a hot bed of glowing embers - If there is insufficient burning material in the fire bed to light a new fuel charge, excessive smoke emission can occur.
- Refuelling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke.
- The appliance must not be operated with the door left open.
- Operation with the air controls or appliance dampers open can cause excess smoke.
- The appliance must not be operated with air controls, appliance dampers or door left open except as directed in the instructions.

Operation with door left open
Operation with the door open can cause excess smoke. The appliance must not be operated with the appliance door left open except as directed in the instructions.

Dampers left open
Operation with the air control open can cause excess smoke. The appliance must not be operated with air control or door left open except as directed in the instructions.

AIR CONTROLS

Primary air is controlled be a lever located at the front of the stove. When pulled outwards the air supply is in the open position, when pushed in the air supply is closed. Pulling the control lever forward opens up the air supply.

Secondary air (the main air supply when burning wood) is controlled by two rotary spin wheels located at the top of the stove, one on each side of the frame. In order to maintain a clean burn the two controls have been fitted with a limit stop and cannot be fully closed down.

Tertiary air is pre-set in the factory and cannot be altered.

FUELS

This appliance has been tested and approved for using seasoned wood logs in a smoke control area and HETAS approved smokeless fuels.

The logs need to be dry seasoned logs, i.e. no more that 20% moisture content, maximum log length up to 300mm, maximum log diameter 102mm. The Rosedale Inset Eco Smoke Control stove is only exempt for use in a smoke control area if it is burning clean, dry (no more than 20% moisture) and seasoned logs. No fuel that contains halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coatings must be burnt in the appliance. Small pieces of kiln dried timber can burn very hot, take care the fire does not get out of control.

USING A NON APPROVED FUEL MAY CAUSE DAMAGE TO THE STOVE AND WILL NOT BE COVERED BY OUR GUARANTEE. WOOD NEEDS TO BE DRY AND SEASONED (MAXIMUM 20% MOISTURE CONTENT)

DO NOT BURN ANY LIQUID FUEL, WOOD PELLETS, WOOD CHIPS OR ANY RUBBISH.

DO NOT USE HOUSEHOLD COAL, HIGH PETROLEUM BASED FUELS, PETROCOKE, COSY COKE, EXCEL, PUREHEAT, MAXIBRITE, NEWHEAT, BURNWELL OR ANTHRACITE.

A comprehensive list of approved fuels for closed appliances is available on the hetas website. Suitable manufactured smokeless fuels approved by Hetas for use in closed stoves include : Phurnacite, Taybrite, Multiheat, Ancit, Briteheat and Ecoal 50

CLEANING THE STOVE AND FLUE

It is important to remove the ashes regularly, if the ash builds up through the grate the grate could overheat and distort. Open the fire door with the stove glove provided and using the tool gently pull out the ashpan a little way. Then remove the tool and slot it in from the top of the slot in the middle of the ashpan. he tool will then have a firm grip on the ashpan. Carefully carry the ashes out to dispose of them, or use a ‘Tippy’ or similar ash carrier.

The glass on the stove door can be cleaned (better when the glass is cool), using a damp cloth, or sponge pan scrubber for any stubborn marks. Stove glass cleaner may be used if required.

The body of the stove can be brushed with a soft brush - do not use water on the paint work. If in time, the body of the stove needs touching up, a touch-up aerosol of paint the same as originally used in the factory can be obtained from your supplier.

DO NOT USE AN AEROSOL SPRAY NEAR THE STOVE WHEN THE STOVE IS ALIGHT

When the stove is being used regularly, it will be necessary to remove the baffle once a year to clean any debris that may have collected there. The chimney / flue should be swept and checked every year. This appliance should be regularly maintained by a competent service engineer. There must be no unauthorised modification of the appliance. Any replacement parts must be recommended by the Manufacturer and may be purchased from an approved dealer.

If the stove is to be left unused for a prolonged period of time then it should be given a thorough clean to remove ash and unburned fuel residues. To enable a good flow of air through the appliance to reduce condensation and subsequent damage, leave the air controls fully open. It is important that the flue connection, any appliance baffles or throat plates and the chimney are swept prior to lighting up after a prolonged shutdown period

TROUBLE SHOOTING

The stove is not burning well

- The stove may need more fuel loading - load more fuel, see 'lighting the stove'
- The wood may be un-seasoned or damp - avoid using unsuitable wood, burn smokeless fuel until the wood is dry and seasoned.
- The chimney may need sweeping, or there may be a buildup of debris above the baffle - see 'Cleaning the Stove and Flue'
- The fuel may be too hard, e.g. some anthracites and cokes require a lot of draught to maintain a high burning temperature, so try a solid fuel that burns at a lower temperature. There may not be the required flue draught in the chimney/flue. In this case a longer chimney pot may help, or there may be a blockage in the flue.

Smoke is coming into the room

- There may be down draught conditions, see paragraph 1 of 'Lighting the Stove'. If it is not possible to stop the down draught by warming the flue as described, it is advisable to leave the stove unlit and test conditions later.

The stove is burning too hot

- Make sure the stove door is closed properly, and check that all air vents are closed. Check the rope seal on the door - if this needs replacing, ceramic rope and heatproof adhesive can be obtained from your supplier.

WARNING NOTE

Properly installed, operated and maintained this stove will not emit fumes into the dwelling. Occasional fumes from de-ashing and re-fueling may occur. However, persistent fume emission is potentially dangerous and must not be tolerated. If fume emission does persist, then the following immediate action should be taken:

(a) Open doors and windows to ventilate the room and then leave the premises

(b)Let the fire go out.

(c)Check for flue or chimney blockage and clean if required.

(d) Do not attempt to relight the fire until the cause of the fume emission has been identified and corrected. If necessary seek expert advice.

The most common cause of fume emission is flue way or chimney blockage. For your own safety these must be kept clean at all times

IN CASE OF A CHIMNEY FIRE:

CLOSE ALL AIR VENTS IF POSSIBLE

MAKE SURE THERE IS NOTHING COMBUSTIBLE NEAR THE STOVE

MOVE PEOPLE AWAY FROM THE ROOM

CLOSE THE ROOM DOOR

PHONE THE FIRE BRIGADE

COMMISSIONING AND HANDOVER INSTRUCTIONS

Ensure all parts are fitted in accordance with the instructions. On completion of the installation allow a suitable period of time for any fire cement and mortar to dry out, before lighting the stove. Once the stove is under fire check all seals for soundness and check that the flue is functioning correctly and that all products of combustion are vented safely to atmosphere via the chimney terminal.

On completion of the installation and commissioning ensure that the operating instructions for the stove are left with the customer. Ensure to advise the customer on the correct use of the appliance and operating tools and warn them to use only the recommended fuel for the stoves.

Advise the user what to do should smoke of fumes be emitted from the stove. The customer should be warned to use a fireguard to BS8423:2002 in the presence of children, elderly and / or infirm persons.

SPARES

The approved dealer whom you purchased your stove from will able to supply you with any spares you may require in the future**.**

Issue No. 06 30/08/2017

Product Fiche	
Commission Delegated Regulation (EU) 2015/1187 Energy Labelling of Local Space Heaters	
Supplier`s Name or Trademark:	**Town & Country Fires**
Suppliers Model Identifier:	**Rosedale Inset Eco S/C**
Energy Efficiency Class of Model:	**A**
Nominal Heat Output to Room (kW):	**5.0**
Nominal Heat Output to Water (kW):	**n/a**
Net Efficiency (%):	**78.5**
Energy Efficiency Index (%):	**104**

Supplementary Information for the verification of Ecodesign Compliance under the HETAS Product Approval Scheme

Appliance Manufacturer: Town & Country
1 Enterprise Way, Thornton Road Industrial Estate
Pickering, North Yorkshire, YO18 7NA

Model Name(s):	Rosedale Inset Eco Smoke Control Stove
Direct Heat Output:	5 kW
Indirect Heating Functionality:	No
Type of Heat Output Room Temperature Control:	Two or more manual stages, no temperature control
Other control options:	N/A

Space Heating Performance at Nominal Output						
Fuel(s)	**Primary Fuel**	**Seasonal Efficiency (%)**	**(mg/m³)**			
			PM	**OGC**	**CO**	**NOx**
Wood Logs	Yes	68.5	19	35	750	67
Smokeless Fuel	No	70.2	7	8	750	89

Performance when Operated on Primary Fuel					
Rated Heat Output (kW)	5	Nominal Net Efficiency (%)		78.5	
Electrical Consumption Nominal (kW)	N/A	Electrical Consumption Minimum (kW)		N/A	
Electrical Consumption Standby (kW)	N/A	Energy Efficiency Index	104	EEI Rating	A

Specific Precautions during Assembling, Installing & Maintenance: *See installation instructions for more information*

Product End-of-Life/Recycling: *To dispose of the stove after the product life has expired, please observe the following information*

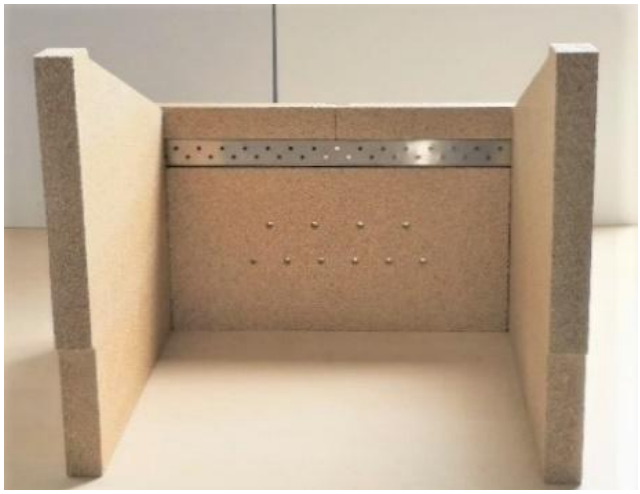
- ✓ *Dispose of the items correctly i.e. separate the parts to be disposed of in material groups*
- ✓ *Always dispose of items in a way that is as sustainable as possible and that is in line with the current environmental protection, reprocessing/recycling and disposal technology*

HETAS confirms the above information is accurate and the stove complies with the Ecodesign regulation at nominal heat output

REMOVING THE BRICKS & BAFFLE

The Rosedale Inset Eco Flat Door / Bow Door has:
1 x fuel guard
1 x grate
1 x baffle
1 x air tube
5 x bricks:

- 2 x side bricks
- 1 x lower back brick
- 2 x upper back bricks



Rosedale Inset Eco Brickset

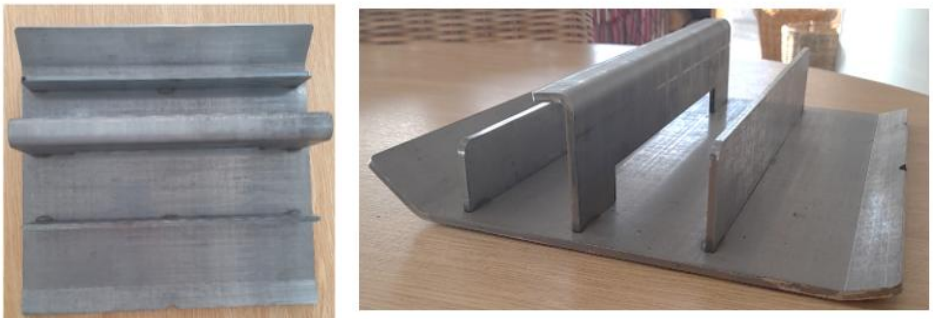
First remove the fuel guard which slides upwards out of the stove. Next remove the lower back brick. This can be done using the lever control tool to help pull the brick out by inserting it into one of the air holes in the brick and gently pulling the brick out.

Next is the pair of upper back bricks. You will have to push up slightly on the baffle in order to reach these.

Now while supporting the baffle remove one of the side bricks, followed by the baffle and then the remaining side brick. The airtube s fixed in place with a small screw.

TOP VIEW

SIDE VIEW



Rosedale Inset Eco Baffle

The grate will now lift out if required.

Please note:

- The upper back bricks have a cut out on each brick which goes over the airtube fixing in the middle of the stove

- The baffle sits with the protrusions facing upwards and the larger lipped edge at the front of the stove. The middle protrusion has a curved end that should curve towards the front of the stove.

The Town and Country Fires Guarantee

Town and Country Fires Ltd guarantee the quality of workmanship of their multi fuel stoves for twelve months from the date of purchase.

Stoves must be installed to current Building Regulations, National and European Standards and per our Installation / User instructions supplied with the stove. Installation must be carried out by a competent installer.

Using a non approved fuel may cause damage to the stove and will not be covered by our guarantee, Wood needs to be dry and seasoned (maximum 20% moisture content. Do not use household coal, petroleum-based fuels, Petrocoke, Cozycoke, Excell Burnwell and Anthracite. (A comprehensive list of approved fuels for closed appliances is available on the HETAS website).

Usage of our multi fuel stoves should be as per our Installation / User Instructions provided with the stove.

Any warranty claim requires Proof of defective workmanship and delivery of the defective product to our factory within twelve months of the date of purchase.

Parts which are classed as consumables and are excluded from our Guarantee include;

Grates, Fire Bricks, Baffles, Fuel Guards, Ash Pan, Glass, Door / Glass Seals and Paint.

Claims under this guarantee should be made through the Approved Town and Country Dealer the appliance was originally purchased from.

Please complete the enclosed form in full to validate your guarantee, and extend the guarantee from one year to ten years. Please note the extended guarantee is only valid when your stove was purchased from a Local Approved Town and Country Dealer and not a third party reseller.
Alternatively this form can be filled out online at - www.townandcountryfires.co.uk/guarantee-form

Town and Country Fires are not liable for any incidental loss, damage or injury, however caused.

This Guarantee is only applicable in the UK.

This Guarantee does not affect your statutory rights.

Please keep this page for your future reference.

Issue No. 01 01/03/2010

Congratulations on your purchase of a Town and Country Fires Multi Fuel Stove.

Please complete the following to validate your guarantee from one to ten years and either complete via our website or return in the pre-paid envelope to;
Town and Country Fires Ltd, Unit 1 Enterprise Way, Thornton Road Ind Estate,
PICKERING , North Yorkshire YO18 7NA

Alternatively this form can be filled out online at - www.townandcountryfires.co.uk/guarantee-form

Model :…….....

Serial No.:ROSEINSSCECO……..……* / Serial No.:ROSEINSSCECOFL……..…*

Date of Purchase: …….....…….....

Title:…….. Surname:……..…….....

Address:…….....

…….....

Date of Installation:…….....

Installers Name:…….....HETAS Reg. No.....

Address:…….....

…….....

Tel. No……..…….....

Supplier Details;

Name:…….....

Address:…….....

…….....

Tel. No…….....

Thank you for your co-operation, if you do not wish to be contacted by Town and Country Fires in the future please tick this box ☐

* Serial number is located on the metal data plate on inside of fire door.