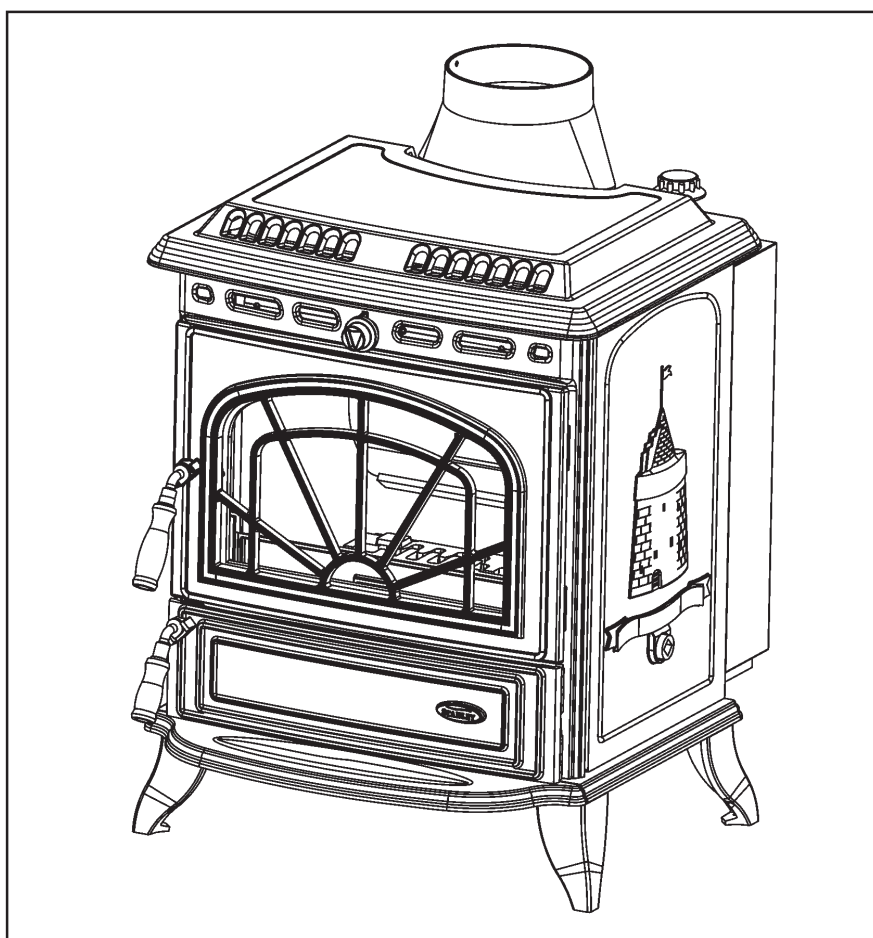




Erin Boiler Solid Fuel Stove



INSTALLATION AND OPERATING INSTRUCTIONS

This appliance is hot while in operation and retains its heat for a long period of time after use. Children, aged or infirm persons should be supervised at all times and should not be allowed to touch the hot working surfaces while in use or until the appliance has thoroughly cooled.

When using the boiler stove in situations where children, aged and/or infirm persons are present a fire-guard must be used to prevent accidental contact with the stove. The fireguard should be manufactured in accordance with BS 6539.

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THE ERIN SOLID FUEL CENTRAL HEATING STOVE INSTALLATION & OPERATING INSTRUCTIONS

GENERAL

When installing, operating and maintaining your Erin Stove respect basic standards of fire safety. Read these instructions carefully before commencing the installation. Failure to do so may result in damage to persons and property. consult your local Municipal office and your insurance representative to determine what regulations are in force. Save these instructions for future reference.

Please note that it is a legal requirement under England & Wales Building Regulations that the installation of the stove is either carried out under Local Authority Building Control approval or is installed by a Competent Person registered with a Government approved Competent Persons Scheme. HETAS Ltd operate such a scheme and a listing of their Registered Competent Persons can be found on their website at www.hetas.co.uk.

Special care must be taken when installing the stove such that the requirements of the Health & Safety at Work Act are met.

Handling

Adequate facilities must be available for loading, unloading and site handling.

Fire Cement

Some types of fire cement are caustic and should not be allowed to come into contact with the skin. In case of contact with the skin wash immediately with plenty of water.

Asbestos

This stove contains no asbestos. If there is a possibility of disturbing any asbestos in the course of installation then please seek specialist guidance and use appropriate protective equipment.

Metal Parts

When installing or servicing this stove care should be taken to avoid the possibility of personal injury.

“IMPORTANT WARNING”

This stove must not be installed into a chimney that serves any other heating appliance.

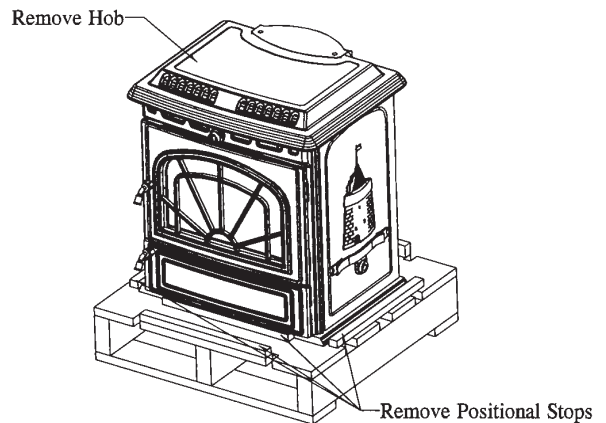
There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit fumes into the room.

The complete installation must be done in accordance with current Standards and Local Codes. It should be noted that the requirements and these publications may be superseded during the life of this manual.

PRE INSTALLATION ASSEMBLY

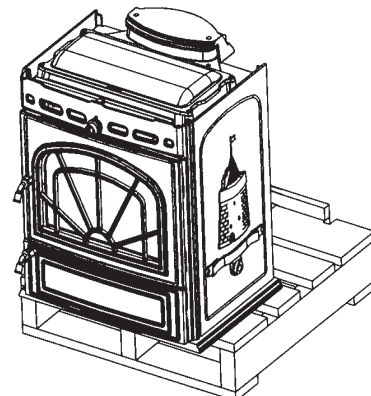
- (A) After removing the stove from its pack, open the ashpit door and remove the contents.
- (B) Open the firedoor and remove the contents from the firebox.
- (C) Remove loose fitting hob and place on a non abrasive surface.
- (D) Remove position stops from the pallet making sure that any nails that may damage the stove are removed or hammered below the surface using hammer and punch. (See Fig.1)

Fig.1



- (E) Manover the stove so that it overlaps the pallet by no more than 80mm.
- (F) Remove the two transport screws from the front leg positions and fit the legs using the M10 x 20mm hex head bolts. See Fig. 2 & 3.

Fig.2



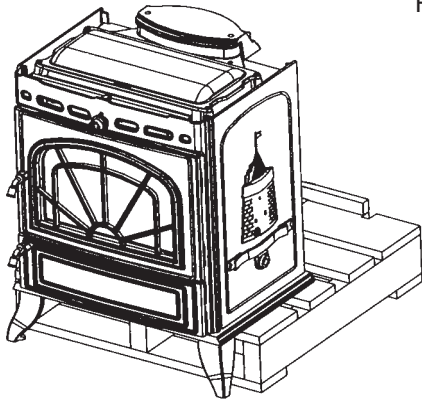


Fig.3

- (G) Lift the rear of the stove and manover the pallet into the position in Fig.4, where the rear leg positions are accessible and the stove rests on the pallet in the centre at the back and on the two front legs.

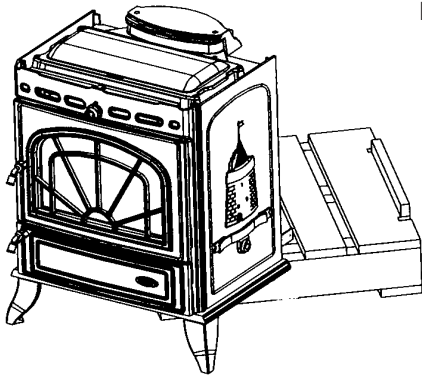


Fig.4

- (H) Repeat step (F) for fitting of rear legs. See Fig.5

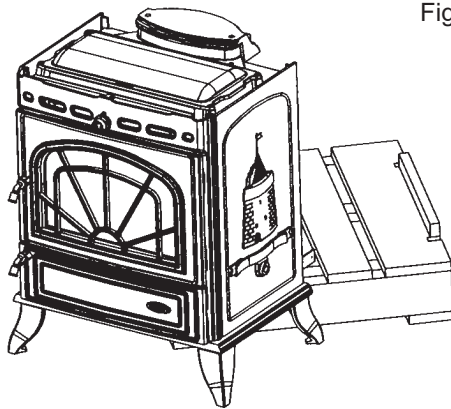


Fig.5

- (I) Lift rear of stove and remove pallet.

- (J) Fit the ashtray with the two 3/4" x 1/4" (20mm x 6mm) screws provided. Tighten all screws. See Fig.6.

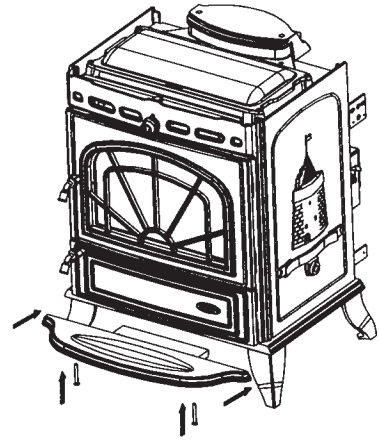
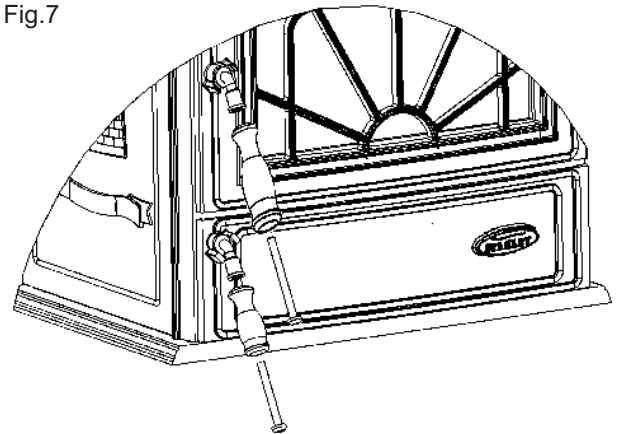


Fig.6

- (K) Attach the short timber handle to the ashpit door using the M8 x 70mm long round head screw and the spring washer. Attach the long timber handle to the fire door using the M8 x 90mm long round head screw and spring washer. See Fig.7.

Fig.7

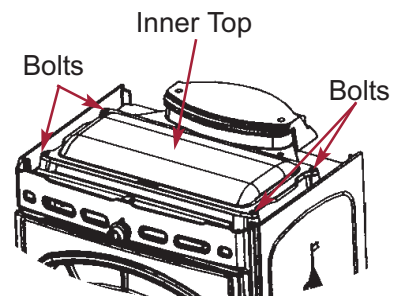


BAFFLE FITTING INSTRUCTIONS

Step 1.

Remove the inner top by removing the 4 bolts. See Fig.8.

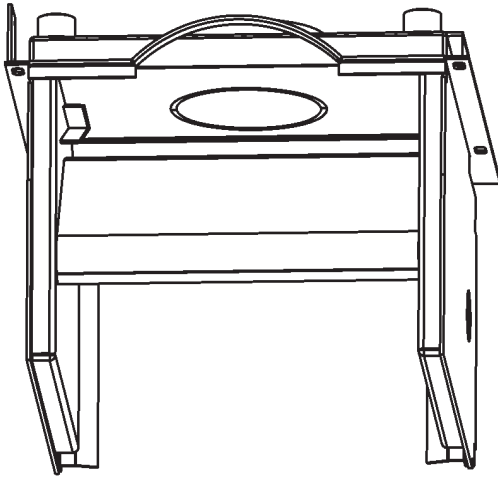
Fig.8



Step 2.

Locate the "V" shaped brackets welded to the sides of the boiler and lay the wide end of the baffle plate into the brackets. See Fig.9 & Fig.10

Fig.9



FLUES

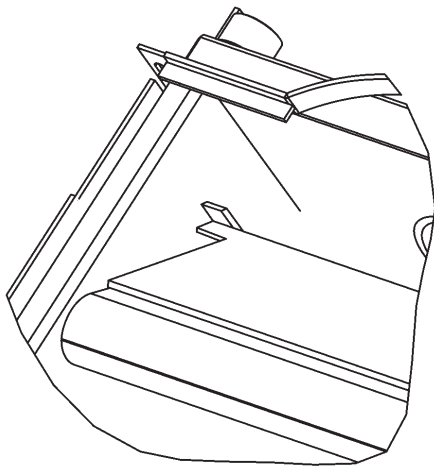
Flues should be vertical wherever possible and where a bend is necessary, it should not make an angle of more than 45° with the vertical. Horizontal flue runs should be avoided except in the case of a back outlet from the appliance, when the length of the horizontal section should not exceed 150mm (6”).

In order to minimise flue resistance and to make sweeping easier it is recommended to use 2 x 45° bends rather than a 90° bend.

The flue termination point must be located to minimise any wind effects. Wind effects of suction, pressure zones and turbulence can be created by the roof and adjacent objects. Wind effects can also be created by natural land contours.

To minimise the wind effects, the flue termination point should be located a minimum of 1000mm from the roof measured vertically and 2300mm measured horizontally. Where this termination point does not suffice it may be necessary to extend the flue pipe so that the termination point is above the apex. (See Fig.12)

Fig.10



Step 3

Lift the top edge of the baffle plate and place the wedge shape on the boiler cross tank with the pointed end facing up. Push the wedge down which will push the baffle back into position. See Fig.11

Fig.11

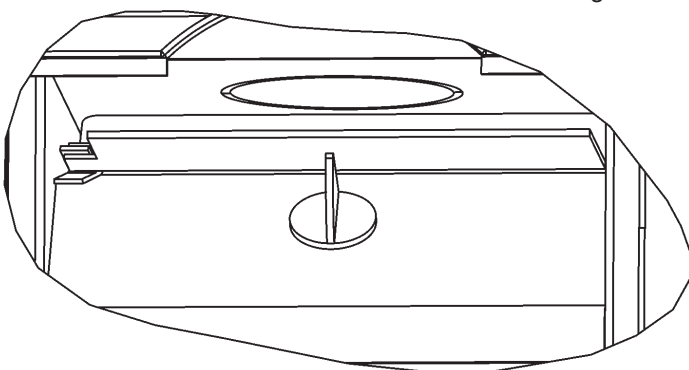
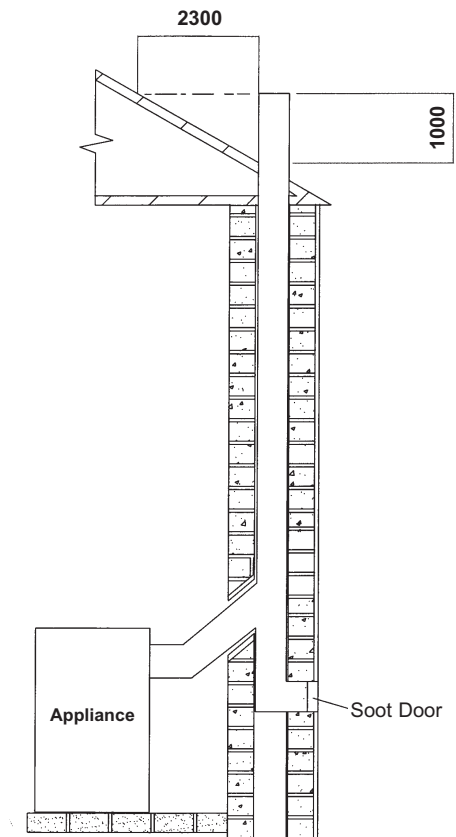


Fig.12



FLUE PIPES

A flue pipe should only be used to connect an appliance to a chimney and should not pass through any roof space.

Flue pipes may be of any of the following materials:

- * Cast iron as described in BS 41: 1973 (1981), or
- * Stainless steel with a wall thickness of at least 1mm and as described in BS EN 10095:1999 Specification for stainless and heat resisting steel plate, sheet and strip, for Grade 316 S11, 316 S13, 316 S16, 316 S31, 316 S33, or the equivalent Euronorm 88-71 designation, or
- * Vitreous enamelled steel complying with BS 6999: 1989.



Flue pipes with spigot and socket joints should be fitted with the socket uppermost.

Clearance to combustibles must be adhered to when fitting the flue pipe.

The flue gas mass flow is 9.2 g/s solid mineral fuel and 6.7 g/s wood logs. The mean flue gas temperature measured directly downstream of the spigot at nominal heat output is 330 °C. The appliance is suitable for continuous operation on solid mineral fuel and intermittent operation on wood logs.

TOP FLUE EXIT

When connecting to a flue pipe it is necessary to provide an access door in the pipe for flue and chimney cleaning. It is possible to clean the chimney through the stove. Take the flue spigot and before fitting it to the stove place a small amount of fire cement on the inside flange of the outlet and push the flue spigot into place making sure the spigot is properly sealed to the stove. Remove any excess cement from the inside of the flue spigot to prevent obstruction of the flue way. See Fig.13.

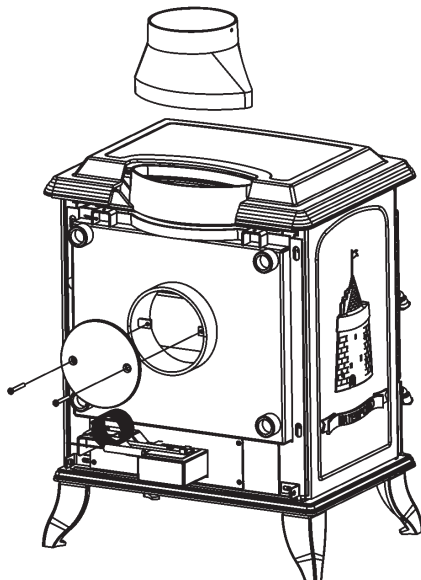


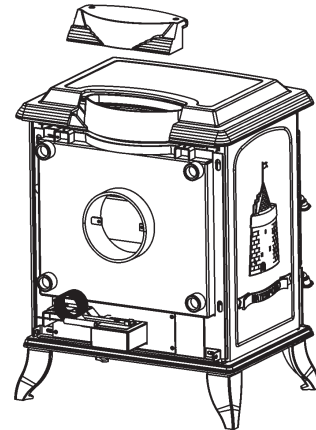
Fig.13

REAR FLUE EXIT

Fit the top cover plate to the stove with the two screws holding on the rear exit cover plate making sure that the sealing rope is properly seated on the stove flue outlet. Tighten screws.

It is recommended that a minimum clearance of 100mm be maintained from the sides and rear of the appliance to a tiled fireplace or masonry wall, especially on the right of the appliance as access is required for the controls. See Fig.14.

Fig.14



CHIMNEY

Do not connect to a chimney serving another appliance.

The stove is a radiant room heater and must be connected to a chimney of the proper size and type. The chimney must have a cross-sectional area of at least 30 square inches 19350sq. mm or a diameter of at least 6" (150mm). It is best to connect to a chimney of the same size, as connection to a larger size may result in a somewhat less draught. Do not connect to a chimney serving another appliance. Minimum chimney height 15' (4.1 meters) from floor on which stove is installed. An existing masonry chimney should be inspected and if necessary repaired by a competent mason. The stove must be connected to a chimney with a minimum continuous draft of .06 wg. poor draft conditions will result in poor performance.

In adverse weather conditions, down drafts may be experienced causing smoke or fumes to spill into the room. If this occurs shut the appliance down by closing the air controls. If the problem persists seek the advice of a chimney sweep.

VENTILATION & COMBUSTION AIR REQUIREMENTS

It is imperative that there is sufficient air supply to the stove in order to support correct combustion. The air supply to this appliance must comply with B.S. 8303: Part 1.

The minimum effective air requirement for this appliance is 99cm² (15.3 in²). When calculating combustion air requirement for this appliance use the following equation: a total free area of at least 550mm² per kW of rated output above 5kW shall be provided.

If there is another air using appliance fitted in the same or adjacent room, it will be necessary to calculate additional air supply.

All materials used in the manufacture of air vents should be such that the vent is dimensionally stable and corrosion resistant.

The effective free area of any vent should be ascertained before installation. The effect of any screen should be allowed for when determining the effective free area of any vent.

Air vents direct to the outside of the building should be located so that any air current produced will not pass through normally occupied areas of the room.

An air vent outside the building should not be located less than the dimensions specified within the Building Regulations from any part of any flue terminal. These air vents must also be fire proofed as per Building Regulations.

Air vents in internal walls should not communicate with bedsits, toilets, bathrooms or rooms containing a shower.

Air vents traversing cavity walls should include a continuous duct across the cavity. The duct should be installed in such a manner as not to impair the weather resistance of the cavity.

Joints between air vents and outside walls should be sealed to prevent the ingress of moisture. Existing air vents should be of the correct size and unobstructed for the appliance in use.

If there is an air extraction fan or other air using appliance fitted in the room or adjacent rooms where this appliance is fitted, additional air vents will be required to alleviate the possibility of spillage of products of combustion from the appliance/flue while the fan is in operation.

Where such an installation exists, a test for spillage should be made with the fan or fans and other appliances using air in operation at full rate, (i.e. extraction fans, tumble dryers) with all external doors and windows closed.

If spillage occurs following the above operation, an additional air vent of sufficient size to prevent this occurrence should be installed.

LOCATION

There are several conditions to be considered in selecting a location for your Waterford Erin Stove.

- a. Position in the area to be heated, central locations are usually best.
- b. Allowances for proper clearances to combustibles.

INSTALLATION CLEARANCES

Maintain at least the following clearances to all combustible material:

| | |
|--------------------|----------------------------------|
| From the front | 910 mm (36") |
| From the back | 100 mm (4") |
| From the sides | 100 mm (4") |
| From the flue pipe | 910 mm (36") straight up only |

It is recommended that this appliance is sited next to and on a non-combustible surface. A minimum all round clearance of 100 mm will allow air circulation and not impede the performance of the stove.

FLOOR PROTECTION

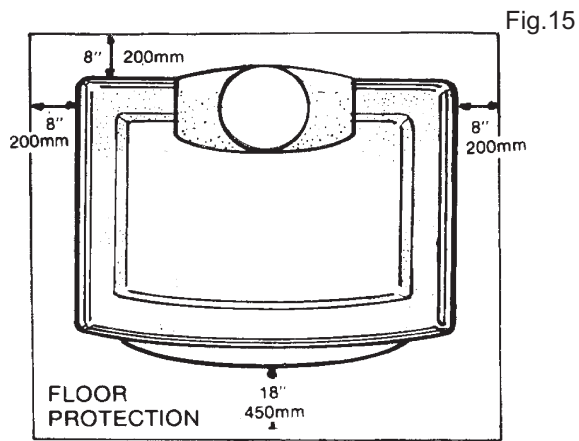
When installing this heater on a combustible floor, a floor protector, consisting of a layer of non combustible material at least ³/₈" (10mm) thick or ¹/₄" (6mm) thick covered with ¹/₈" (3mm) sheet metal. It is required to cover the area under the heater and to extend to at least 18" (460mm) at the front and 8" (200mm) to the sides, and rear, this will provide protection from sparks and embers which may fall out from the door when stoking or fuelling.

PERMANENT AIR VENT

The stove requires a permanent and adequate air supply in order for it to operate safely and efficiently. In accordance with current Building Regulations the installer will have fitted a permanent air supply vent into the room in which the stove is installed to provide combustion air. This air vent should not under any circumstances be shut off or sealed.

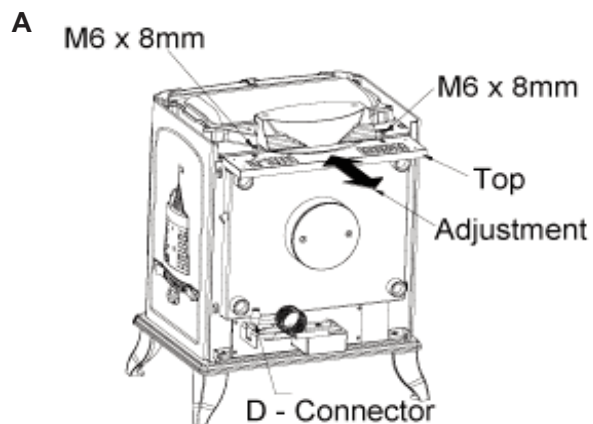
Extractor Fan

There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit smoke and fumes into the room.



SHROUD ASSEMBLY

STEP 1 - FIT TOP & D CONNECTOR

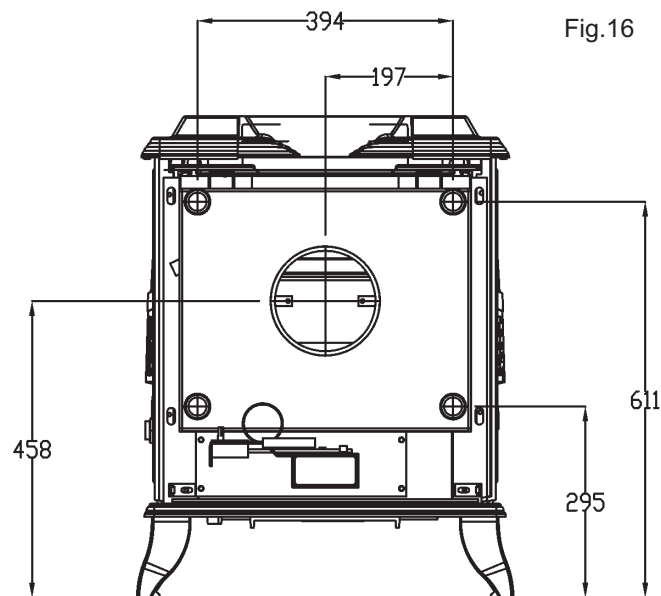
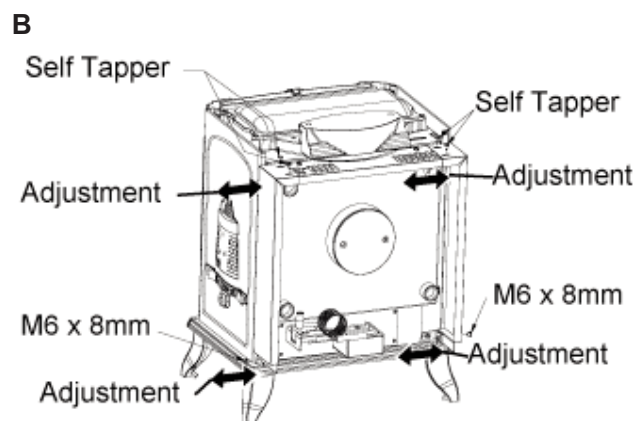


FLUE & WATER PIPE LOCATIONS

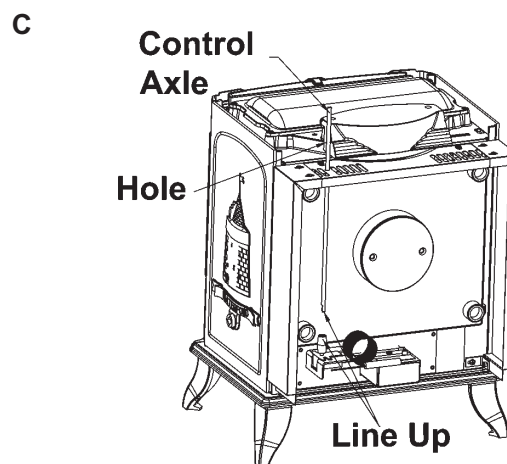
Flue outlet to suit 152mm (6") internal diameter flue pipe.

Water outlets 25mm (1") B.S.P.

STEP 2 - FIT SIDES



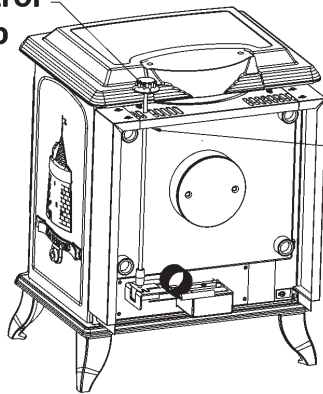
STEP 3 - FIT CONTROL ROD



WARNING: DO NOT OBSTRUCT PRIMARY AIR SUPPLY TO THE AIR DUCT.

STEP 4 - FIT CONTROL KNOB & INSERT SPLIT PIN

Push Fit Control Knob



Split Pin

D

PLUMBING

REGULATIONS

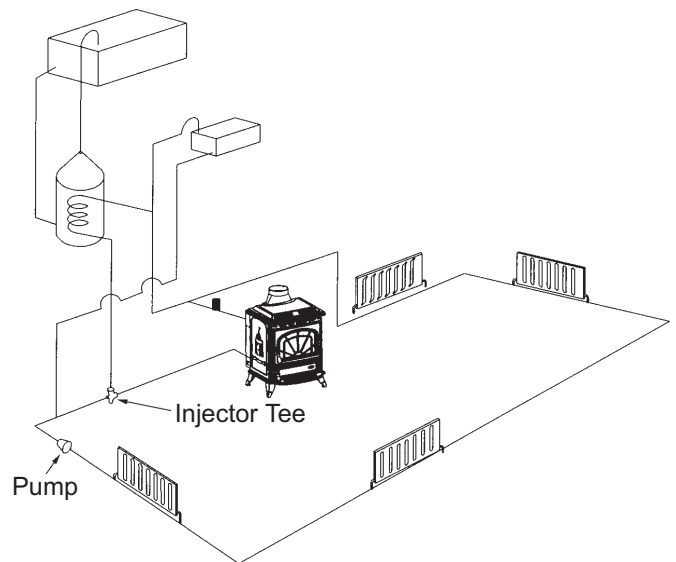
The plumbing must be in accordance with all relevant regulations and practices. It must include a gravity circuit with expansion pipe, open to the atmosphere. The central heating will normally be pump-driven as with other types of boilers.

GRAVITY CIRCUIT

The gravity circuit consists of the domestic hot water tank of 135 litres indirect cylinder, fixed in an upright position, recommended for hot water storage and it should be connected to the boiler by 28mm diameter flow and return piping. The pipes should not exceed 7.8 meters (25ft) in length and cylinder and pipework should be fully lagged. The shorter the run of pipe work the more effective the water heating. There must be no gate valves on this circuit and it must have an expansion pipe exhausting to atmosphere. Cylinder and pipe work should be lagged to minimise heat loss.

This diagram illustrates the basic principal of water heating systems and must not be regarded as a working drawing. See Fig.17.

Fig.17



INJECTOR TEE

Where the gravity and central heating circuits join together to return to the stove we recommend the use of an injector tee connection, situated as close to the unit as possible. This type of tee encourages a stable flow of hot water through both circuits and helps to prevent priority being given to the stronger flow, which is most commonly the pumped central heating circuit. This way, there will be no shortage of hot water to the taps when the heating is on.

WATER CIRCUIT TEMPERATURE

The return water temperature should be maintained at not less than 40°C so as to avoid condensation on the boiler and return piping. Fitting a pipe thermostat to the flow pipe of the gravity circuit and wiring it into the pump control will ensure rapid circulation of the hot water.

In some circumstances it may be possible to overheat the appliance and the water inside will boil. This will be evident by the sound of a knocking noise coming from the appliance and pipes around the house. If this occurs close off all air controls and manually start the central heating pump if fitted. One radiator on the heating circuit should be uncontrolled to act as a heat leak in the event that the appliance overheats and has nowhere to discharge a build up of hot water should the heating circuit be satisfied. Be aware that steam and boiling water will be expended from any open vent from the heating system probably in the roof space at the expansion tank.

In the unlikely event that the appliance is not operating in freezing conditions the water must be drained from the boiler to prevent frost damage.

PIPE THERMOSTAT

The fitting of a pipe thermostat to the flow pipe is essential in order to activate the water circulation pump when the water reaches the selected temperature.

When the water temperature falls below the selected temperature the pipe thermostat will cut off the water circulation pump in order to allow the boiler to recover.

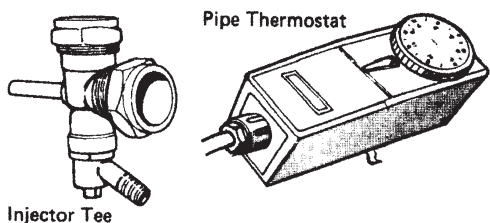


Fig.18

HANDOVER

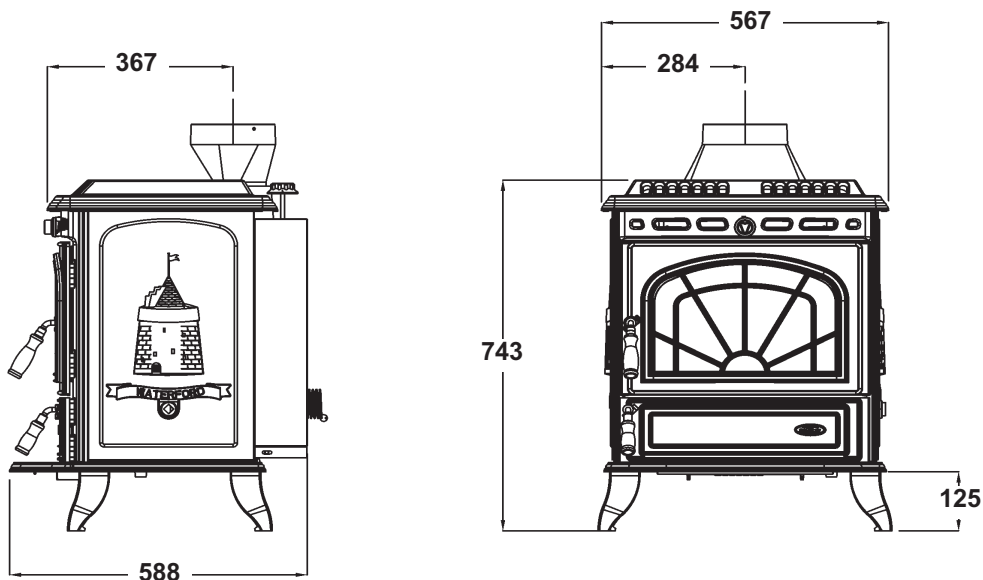
On completion of the installation allow a suitable period of time for any fire cement and mortar to dry out, when a small fire may be lit and checked to ensure the smoke and fumes are taken from the stove up the chimney and emitted safely to the atmosphere. Do not run at full output for at least 24 hours.

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 with the fuels likely to be used on the stove and warn them to use only the recommended fuels for the stove.

Advise the user what to do should smoke or fumes be emitted from the stove. The customer should be warned to use a fireguard to BS 6539 in the presence of children, aged and/or infirm persons.

SPECIFICATION

Fig.19



Note: Dimensions stated are in millimetres unless otherwise stated and may be subject to a slight +/- variation.

| TECHNICAL DATA | | | |
|---|-------------|----------------------------|-------------|
| Nominal Output | | Nominal Output | |
| Manufactured | Room 5.0kW | Wood logs | Room 3.6kW |
| Smokeless Fuel | Water 7.3kW | | Water 7.5kW |
| Typical refuelling intervals to obtain nominal outputs | | Wood | 1.5 hours |
| | | MSF | 4 hours |
| Flue Gas Mass Flow | | MSF | 9.2 g/s |
| | | Wood logs | 6.7 g/s |
| Flue Gas temp at nominal output | | 330 °C | |
| Gross Weight: 178 kgs | | Boiler capacity 9.3 litres | |
| Max operating water pressure 2 bar | | Boiler tappings 1" BSP | |
| Flue Outlet | 153 mm | Log size | 406 mm |
| This appliance has been tested in accordance with BS EN 13240 | | | |

IMPORTANT NOTES

Now that your Solid Fuel Stove is installed and no doubt you are looking forward to many comforts it will provide, we would like to give you some tips on how to get the best results from your stove.

1. We would like if you could take some time to read the operating instructions/hints, which we are confident, will be of great benefit to you.
2. Do not burn fuel with a high moisture content, such as a damp peat or unseasoned timber. This will only result in a build up of tar in the stove and in the chimney.

| FUEL CALORIFIC VALUES - SOLID FUELS | | |
|--|----------------|----------------|
| Anthracite 25-50mm | C.V.: 8.2kW/Kg | 14,000 BTUs/lb |
| House Coal 25-75mm | C.V.: 7.2kW/Kg | 12,000 BTUs/lb |
| Timber - Firebox size | C.V.: 5.0kW/Kg | 8,600 BTUs/lb |
| Peat Briquettes | C.V.: 4.8kW/Kg | 8,300 BTUs/lb |

3. **Clean the flue-ways of the stove weekly and ensure that there are no blockages. Check flueways before lighting especially after a shut down period. Please refer to manual for instructions.**
4. Before loading fresh fuel into the firebox, riddle fully to remove all ashes this will allow better and cleaner burning. See Re-Fuelling section.
5. Never allow a build up of ashes in the ash pan, as this will cause the grate to burn out prematurely. Empty the ashpan when refuelling.
6. Allow adequate air ventilation to ensure plenty of air for combustion.
7. Do not use as an incinerator burning rubbish/household waste.
8. Do not leave ash-door open for long periods as this will over heat the unit causing unnecessary damage. Close the ash door between removing and replacing the ashpan.
9. Clean the chimney at least twice a year.
10. Burning soft fuels such as timber and peat will stain the glass. Regular cleaning will prevent permanent staining. Clean with soapy water when cool.
11. Keep all combustible materials a safe distance away from unit, please see section for clearances to combustibles.
12. For safety reasons never leave children or the elderly unaccompanied while stove is in use. Use a fire guard.
13. Avoid contact with the appliance when in use as stove reaches very high operating temperatures.
14. This appliance should be regularly maintained by a competent service engineer.

Use only replacement parts recommended by Stanley. Making unauthorised modifications, or using unauthorised parts will invalidate your guarantee and may cause damage or injury.

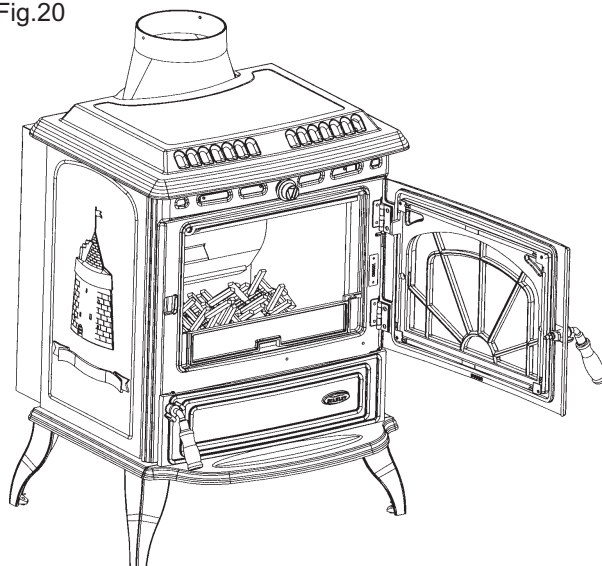
AN ODOUR WILL EMIT FROM STOVE ON FIRST FIRING, WHEN FIRE REACHES MAXIMUM TEMPERATURE OVER A NUMBER OF HOURS THE ODOUR WILL SUBSIDE. IT IS BEST ADVISED TO OPEN WINDOWS DURING THIS PERIOD.

THE ODOUR IS UNPLEASANT BUT NOT TOXIC. YOU MAY WISH TO VACATE THE ROOM WHILE THE PAINT CURES.

LIGHTING

Before lighting the stove check with the installer that the installation work and commissioning checks described in the installation instructions have been carried out correctly and that the chimney has been swept clean, is sound and free from any obstructions. As part of the stove's commissioning and handover the installer should have demonstrated how to operate correctly.

Fig.20



1. Open firedoor and open the primary air inlet by turning the control knob on the right hand side of the stove to setting 4 on the thermostat.
2. Open the secondary air inlet by turning it anti-clockwise for coal and wood only.
3. Cover with crumpled pieces of paper.
4. Lay 10-12 pieces of kindling on top of the paper towards the back of the firebox.
5. Ignite and close the firedoor.
6. **Under no circumstances should any flammable liquid i.e. petrol, paraffin etc., be used to light the fire.**
7. When the kindling is well alight open the firedoor and add more kindling of a larger size to sustain the fire. Close the firedoor.
8. When a hot bed of coal is established add the normal fuel.
9. When well lighted, adjust the thermostat to give the required heat output.
10. To shut the fire down, do not add fuel, make sure that the firedoor is properly closed and that the primary and secondary air controls are all in the closed position. Cutting off the air supply will reduce the heat output.
11. Following a prolonged shutdown of the appliance perhaps after the summer break, ensure the flueway is free from obstruction prior to re-lighting.

Re-fuelling-Open the firedoor and reload, close the firedoor.

OPERATING INSTRUCTIONS

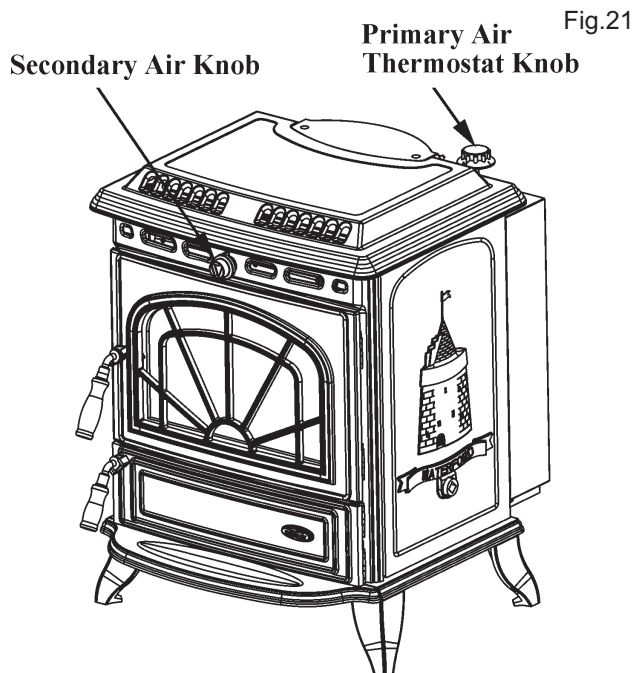
RECOMMENDED FUELS

All fuels should be stored under cover and kept as dry as possible prior to use.

This appliance has been tested using seasoned wood logs and manufactured briquetted smokeless fuel (Ancit) for closed appliances, sized between 20g and 140g. Other fuels are commercially available and may give similar results. Wood logs up to 406mm long are suitable. All fuels should be stored under cover and kept as dry as possible prior to use.

Do not use fuels with a Petro-coke ingredient as this may cause the grate to overheat, causing damage. Reduced outputs will result when fuels of lower calorific values are used. Never use gasoline or gasoline type lantern fuel, kerosene, charcoal lighter fluid or similar liquids to start or freshen up a fire in this heater. Keep all such liquid well away from the heater at all times. Operate the stove only with the fuelling door closed except for re-fuelling.

This stove has obtained HETAS Ltd approval for burning natural and manufactured smokeless fuels and wood logs only as detailed in recommended fuels below. HETAS Approval does not cover the use of other fuels either alone or mixed with the recommended fuels listed, nor does it cover instructions for the use of other fuels.



WARNING:

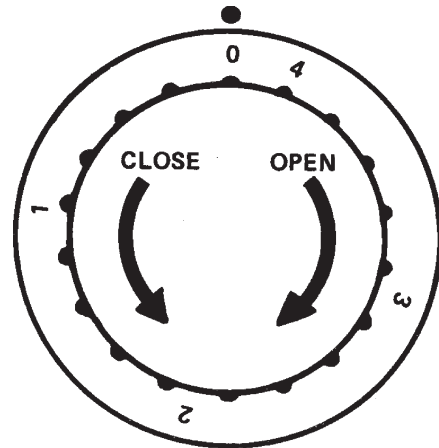
Properly installed, operated and maintained this stove will not emit fumes into the dwelling. Occasional fumes from de-ashing and re-fuelling may occur. However, persistent fume emission is potentially dangerous and must not be tolerated. If fume emission does persist, then the following immediate action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

- Open doors and windows to ventilate room.
- Let the fire out or eject and safely dispose of fuel from the stove.
- Check for flue or chimney blockage and clean if required.
- 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.

THERMOSTAT OPERATION

Fig.22



| | | |
|------------|-----------|-------------------|
| Setting 0: | Closed | Overnight Burning |
| Setting 1: | 1/4 Open | |
| Setting 2: | 1/2 Open | Slowburning |
| Setting 3: | 3/4 Open | Medium burning |
| Setting 4: | Full Open | Maximum Heat |

Rotate the knob to give the required burning rate.

SECONDARY AIR CONTROL

| | |
|--------------|--|
| OPEN | When burning coal, timber or peat. |
| CLOSE | When burning anthracite and smokeless fuels. |

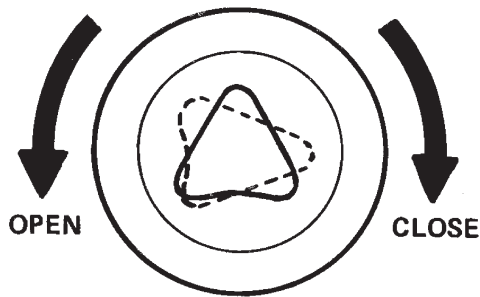


Fig.23

The secondary air control knob is hot when the appliance is in use. The ashpan handle is a combined operating tool and can be used to operate this knob or use the glove provided.

NOTE:-

A boiler model stove will provide heat into the boiler and also to the room in which it is situated. The heat to room is in a fixed relationship with the heat to the boiler.

The heat to the boiler is controlled by the air supply to the stove which is required to have a thermostatic damper for safety reasons. When the temperature of the water in the boiler exceeds 55 °C the thermostatic damper will begin to shut off the air supply, should the water temperature continue to rise the thermostatic damper will continue to close and if the water temperature reaches 85 °C the thermostatic damper closes the primary air supply fully.

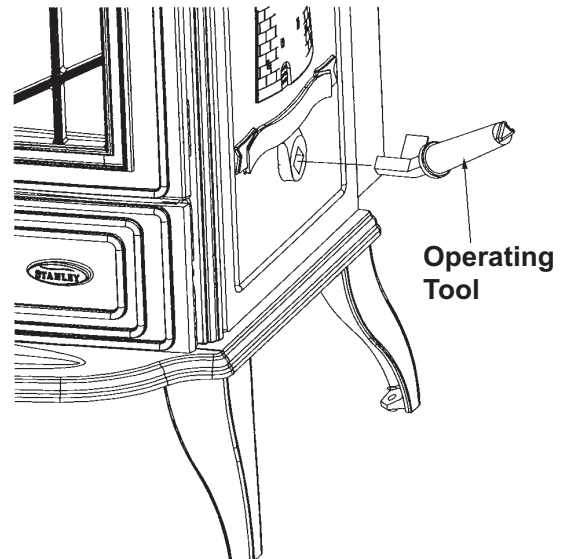
In the event where a stove is fitted to a central heating system which is undersized in relation to the nominal heat output to boiler then the stove will operate satisfactorily but will be unable to achieve the nominal heat output to room as the thermostatic damper will shut off the air supply to prevent an overheat situation in the boiler.

For example:- Where a stove provides 2kW to the room and 8kW to the boiler and if the thermostatic damper shuts down the air supply to provide 4kW to the boiler, then the heat to room will decrease proportionally to 1kW.

DE-ASHING

When ash build-up becomes excessive in the fire chamber shake the firebars by inserting the operating tool into the square slot on the right side of the stove.

Fig.24



DISPOSAL OF ASHES

Your stove is provided with a steel ashpan. This ashpan should be emptied every day.

If ashes are allowed to build to grate level you could damage the firebars by overheating. We recommend that you remove ashes after you have riddled the fire following overnight burn.

Ashes should be placed in a metal or other non-combustible container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible material, pending final disposal. If ashes are buried in soil, or otherwise dumped they should be retained in the closed container until they are thoroughly cooled. See Fig.25.

Fig.25

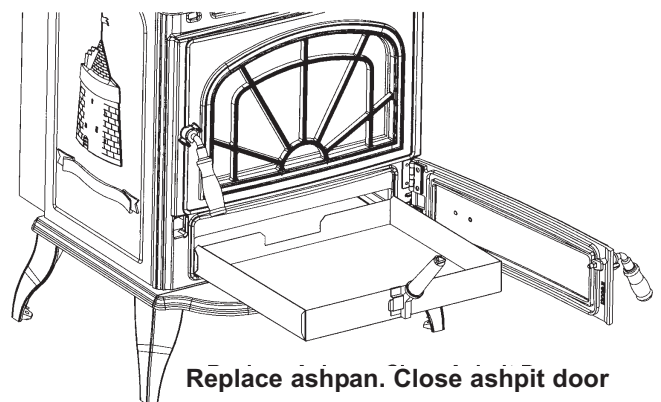
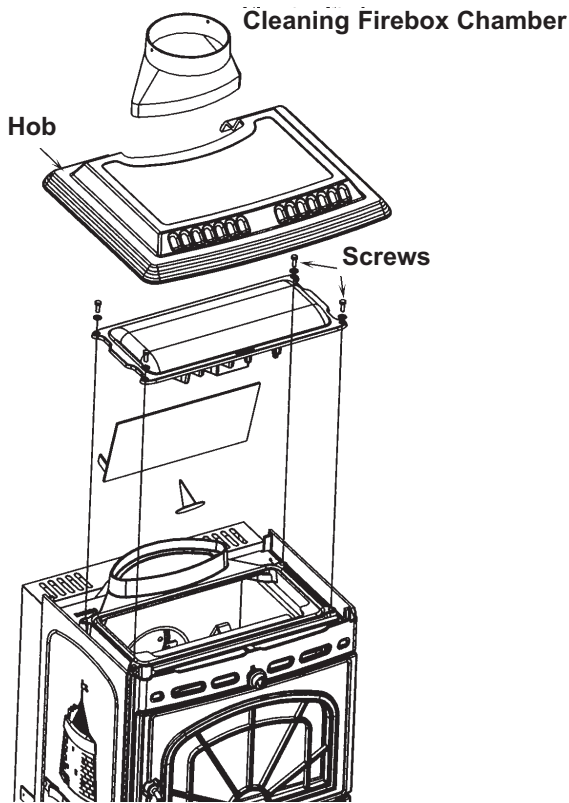


Fig.26



1. Lift off hob.
2. Remove 4 brass screws.
3. Lift off fire box cover.
4. Clean out fire box chamber.
5. Replace all parts in reverse order.

TO CLEAN CHIMNEY BACK OUTLET

Remove baffle underneath the boiler cross flow chamber by lifting it upwards and pulling it outwards and insert cleaning brush. Replace baffle before lighting fire.

When fitted correctly the baffle should fall forward to close onto the bottom of the boiler. The appliance will not function correctly with this baffle misaligned or missing.

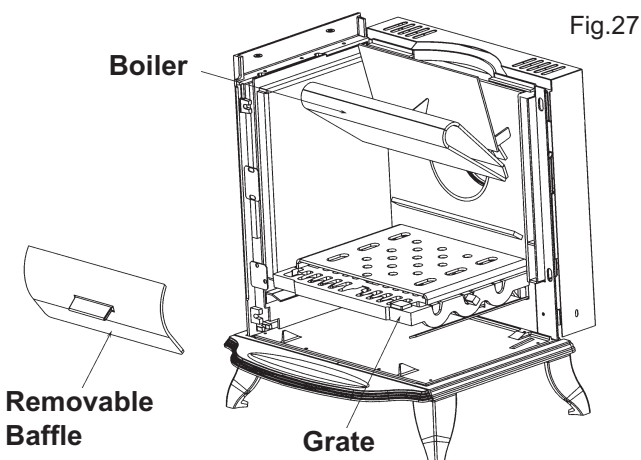
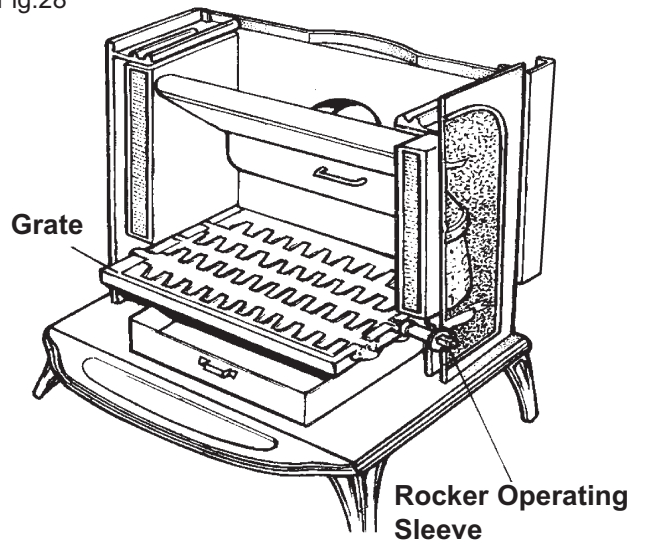


Fig.27

TO REPLACE ROCKER OPERATING SLEEVE

1. Remove the 3 fire bars.
2. Lift the grate at the left hand end and remove it.
3. Withdraw the Rocker Operating Sleeve from under the boiler at the right hand side.
4. Replace with new sleeve and sealing washer.
5. Replace grate and make sure that the square shank on the centre fire bar engages with the socket in the sleeve. See Fig.28.

Fig.28



RADIATION SURFACE

Heating surface only 23.87 Sq. M (257 sq. ft.)
 Heating plus Domestic Hot Water 18.58 Sq. M. (200 sq.ft.)

FIRE SAFETY

To provide reasonable fire safety, the following should be given serious consideration.

1. Do not over fire the stove.
2. Overfiring will also damage painted or enamel finish.
3. Install a smoke detector in the room.
4. A conveniently located class A fire extinguisher to contend with small fires resulting from burning embers.
5. A practical evacuation plan.

6. A plan to deal with a chimney fire as follows:-

- (a) Notify the fire department.
- (b) Prepare occupants for immediate evacuation.
- (c) Close all openings into the stove.
- (d) While awaiting the fire department watch for ignition to adjacent combustibles from overheated flue pipe or from embers or sparks from the chimney.

IN CASE OF FIRE

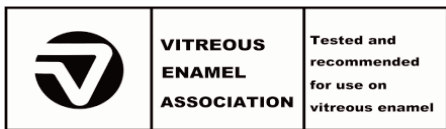
Close all openings into the stove, watch for ignition of adjacent combustibles from over heated stove, or hot embers or sparks from chimney.

VITREOUS ENAMEL CLEANING

General cleaning must be carried out when the stove is cool.

If this stove is finished in a high gloss vitreous enamel, to keep the enamel in the best condition observe the following tips:

- 1. Wipe over daily with a soapy damp cloth, followed by a polish with a clean dry duster.
- 2. For stubborn deposits a soap impregnated pad can be carefully used on the vitreous enamel.
- 3. Use only products recommended by the Vitreous Enamel Association, these products carry the Vitramel label.



- 4. **DO NOT USE ABRASIVE PADS OR OVEN CLEANSERS CONTAINING CITRIC ACID ON ENAMELLED SURFACES. ENSURE THAT THE CLEANSER MANUFACTURERS INSTRUCTIONS ARE ADHERED TO.**

DOOR LATCH ADJUSTMENT

If the door latch should become loose over time due to compression/ hardening of the rope inside the fire door, an adjustment can be carried out by removing one of the washers.

Remove the nut, spacer, latch and one washer, then replace the nut, spacer and latch leaving only one washer, see Figs. 29 & 30.

Fig.29

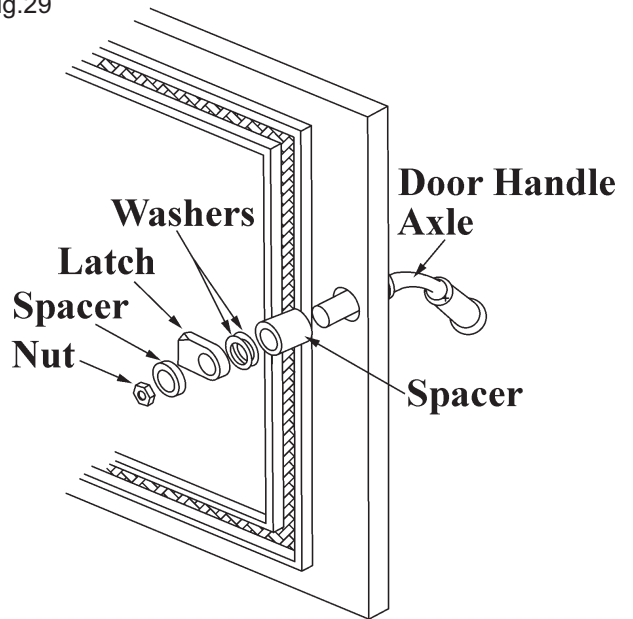
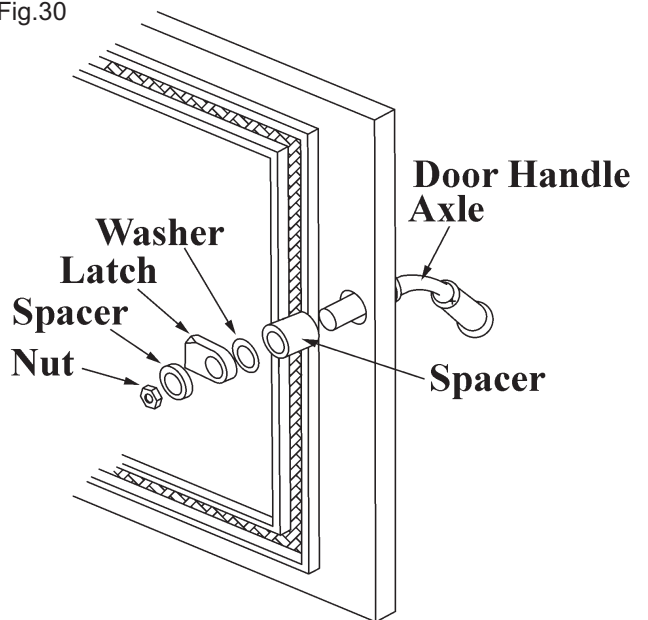
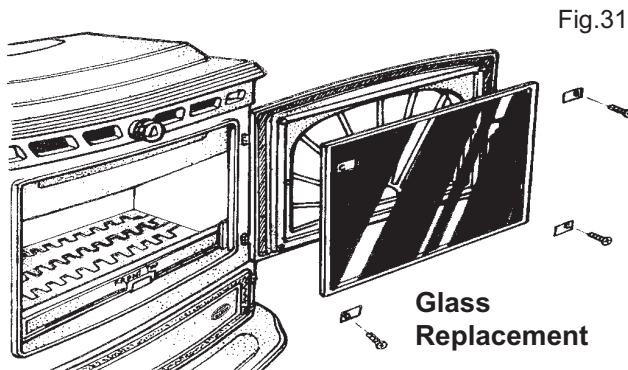


Fig.30



GLASS CLEANING

The glass will self clean when there is sufficient heat generated by the burning fuel. If a build-up of creosote occurs on the glass it may be due to draft conditions, poor quality fuel or very low burning for a long time. It is best to clean the glass when it is thoroughly cooled.



GLASS REPLACEMENT

- (a) Open the fire door fully.
- (b) Remove the four corner screws and clips and carefully remove the broken glass.
- (c) Clean the glass recess in the door.
- (d) Attach adhesive thermal tape to the perimeter of the replacement glass.
- (e) Place the thermal tape side of the glass into the door recess and replace the four corner clips.
- (f) Tighten screws.
- (g) Replace glass only with ceramic glass 5mm thick. (See Fig.31)

CO ALARM

Waterford Stanley recommend the fitting of a CO Alarm in the same room as the appliance, this is a requirement under UK Building Regulations. Further guidance on the installation of a carbon monoxide alarm is available in BS EN 50292:2002 and from the alarm manufacturers 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.

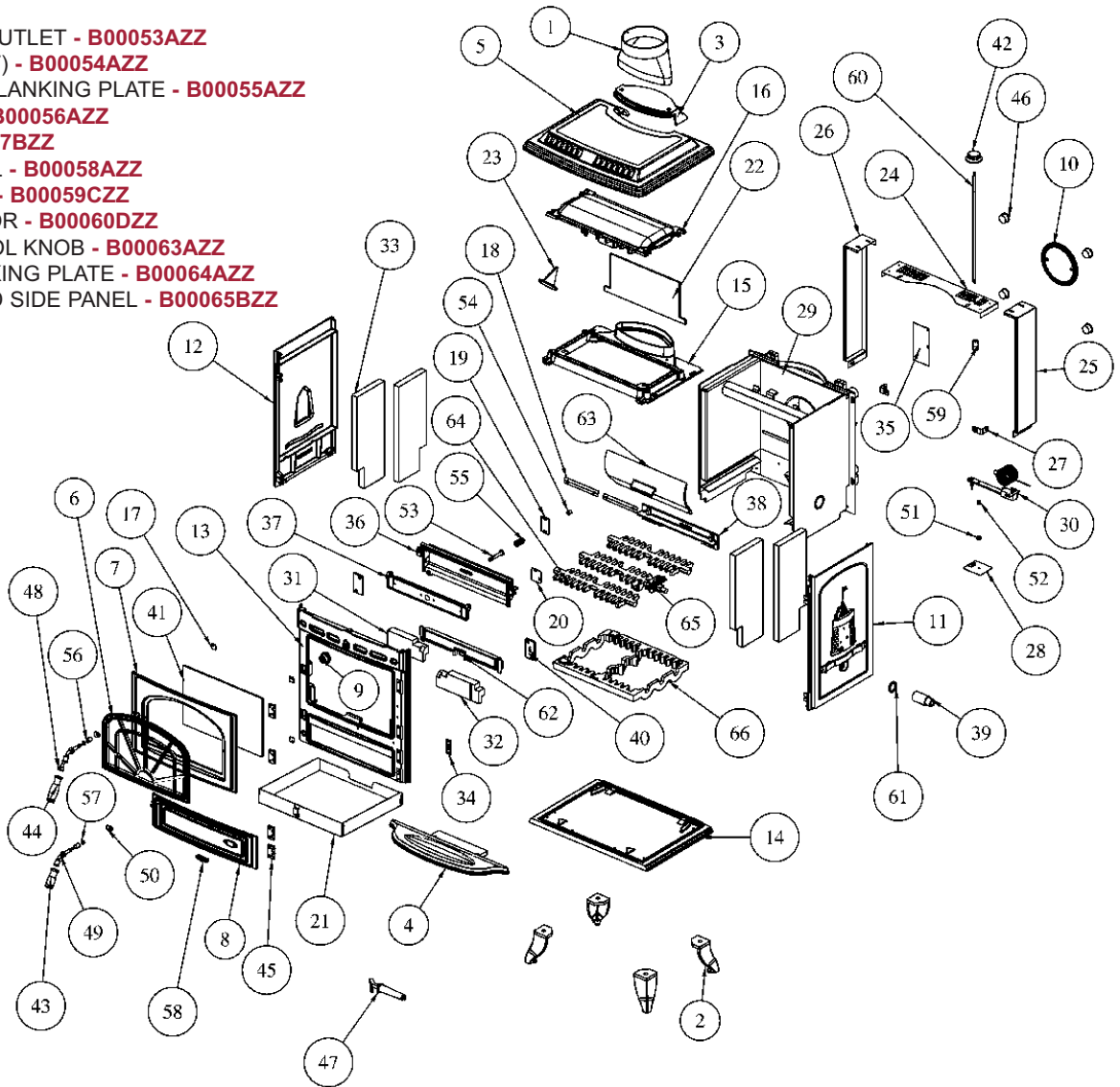
WARNING:-

If the CO Alarm sounds unexpectedly:-

- 1. Open Doors and windows to ventilate the room and then leave the premises.**
- 2. Let the fire go out.**

ERIN SF HPB EXPLODED VIEW

1. TOP FLUE OUTLET - **B00053AZZ**
2. LEG (SHORT) - **B00054AZZ**
3. TOP FLUE BLANKING PLATE - **B00055AZZ**
4. ASHTRAY - **B00056AZZ**
5. HOB - **B00057BZZ**
6. DOOR GRILL - **B00058AZZ**
7. FIRE DOOR - **B00059CZZ**
8. ASHPIT DOOR - **B00060DZZ**
9. AIR CONTROL KNOB - **B00063AZZ**
10. FLUE BLANKING PLATE - **B00064AZZ**
11. RIGHT HAND SIDE PANEL - **B00065BZZ**



12. LEFT HAND SIDE PANEL - **B00066EZZ**
13. FRONT FRAME - **B00069EZZ**
14. BASE - **B00079CZZ**
15. INNER TOP - **B00553AZZ**
16. ACCESS PLATE - **B00578AZZ**
17. DOOR GLASS CLIP - **F00003AXX**
18. GASKET CLAMP PLATE - **F00022AXX**
19. TOP LATCH COVER PLATE - **F00023AXX**
20. LOWER LATCH COVER PLATE - **F00024AXX**
21. ASHPAN - **F00898AXX**
22. BAFFLE PLATE - **F00923AXX**
23. BAFFLE SUPPORT - **F00924AXX**
24. TOP SHROUD - **F01048AXX**
25. RH SHROUD - **F01049AXX**
26. LH SHROUD - **F01050AXX**
27. FLOATING BRACKET - **F011051AXX**
28. STAT PLATE - **F01055AXX**
29. BOILER - **F01065AXX**
30. THERMOSTAT - **G00001AXX**
31. LH FRONT BRICK - **H00010AXX**
32. RH FRONT BRICK - **H00011AXX**
33. SIDE INSULATION - **J00007AXX**
34. SERIAL NUMBER PLATE - **N00234BXX**
35. DATA PLAQUE - **N00469AXX**
36. PRIMARY AIR BOX - **Q00028AXX**
37. PRIMARY AIR SHUTTER - **Q00029AXX**
38. GRATE SUPPORT - **Q00040BXX**
39. SHAKER BARRELL - **Q00046AXX**
40. FIRE FENCE RETAINER - **Q00048CXX**
41. GLASS - **T00003AXX**
42. AIR CONTROL KNOB - **U00006AXX**
43. DOOR HANDLE (SHORT) - **U00008AXX**
44. DOOR HANDLE (LONG) - **U00009AXX**
45. HINGE - **U00153AXX**
46. BOILER PLUG - **V00016AXX**
47. OPERATION TOOL - **V00020BXX**
48. SPIGOT TO DOOR HANDLE - **V00021AXX**
49. DOOR HANDLE AXLE - **V00022BXX**
50. DOOR CATCH - **V00023AXX**
51. CONCIAL SPRING - **V00024AXX**
52. HANK BUSHING - **V00025AXX**
53. PRIMARY AIR CONTROL SHAFT - **V00027AXX**
54. SPACER TO DOOR HANDLE - **V00033AXX**
55. SPRING - **V00034AXX**
56. SPACER - **V00039AXX**
57. SPACER - **V000489AXX**
58. BADGE - **V00730BXX**
59. D SHAFT CONNECTOR - **V00964AXX**
60. CONTROL ROD - **V00965AXX**
61. FIRE FENCE - **Z00003AXX**
62. BOILER CLEANING PLATE - **Z00004BXX**
63. SIDE FIRE BAR - **Z00027AXX**
64. ROCKER FIRE BAR - **Z00028AXX**
65. FIRE BAR FRAME - **Z00030AXX**

INSTALLATION CHECK LIST

Flue System

Tick

1. Minimum Flue Height of 4.6 metres (15 feet).
2. Appliance should be connected to a minimum of 1.8 metres (6 feet) of 150mm (6") flue pipe with a horizontal run not exceeding 150mm (6").
3. Appliance should be connected to a chimney of less than 200mm (8") in diameter (otherwise the chimney must be lined with a 6" flue liner).
4. The chimney venting position must be above the main ridge of the roof or adjacent outside obstructions.
5. The chimney serving this appliance should not serve any other appliance.
6. Access should be provided to the chimney serving the appliance to allow for cleaning.

Location

7. Clearance to combustible materials must be adhered to as described in the Clearance to Combustible section.
8. The stove must be installed on a floor protector that covers the area under the stove and extends 18" to the front & 8" to the sides and back.

Plumbing

9. Appliance must be connected to a gravity circuit using 1" ID flow & return piping.
10. The length of pipes from the cylinder to the cooker should not exceed 7.8 metres (25¹/₂ feet).
11. A circulation pump should be fitted to the return pipe of the radiator circuit and controlled by a pipe stat fitted to the flow pipe of the gravity circuit to the cylinder.

Ventilation & Combustion Air Requirements

12. The room in which the appliance is located should have an air vent of adequate size to support correct combustion (see Ventilation & Combustion Air Requirement Section for specific details).



STANLEY SOLID FUEL STOVE WARRANTY

CONDITIONS OF WARRANTY

Your Stanley Solid Fuel Stove is guaranteed against any part that fails (under normal operating conditions) as detailed in the following table with timelines specified from the date of installation of the appliance. If the unit is not installed within six months of date of purchase, the warranty will commence six months from the date of purchase.

| Warranty Period | Parts Covered (Parts & Labour unless Stated) |
|-----------------|---|
| Up to 1 Year | <ul style="list-style-type: none"> • Refractory materials (supply only) • Rope seals, glass seals and cement seals. • Surface Finish on Seno models. • Grates and fire bars. • Ceramic glass is covered for Thermal breakage (supply only). • Rust (if reported before installation) • Aesthetic Damage (provided reported on date of receipt) |
| Up to 5 Years | <ul style="list-style-type: none"> • All external castings & enamel finishes (excluding impact damage or damage caused by overfiring). Pictures of damage must be submitted to WS Service Department. |
| Up to 3 Years | <ul style="list-style-type: none"> • Boiler - A Leaking Boiler Report must be conducted by an Authorised Stanley Service Engineer and submitted to WS Service Department for review. |

The warranty is given only to the original consumer/purchaser only and is non-transferable. The appliance must be installed by a suitable qualified person and installed as per the requirements of the manual. Failure to comply with the installation requirements will void your warranty. Waterford Stanley reserve the right to replace any part due to manufacturing defect that fails within the warranty period under the terms of the warranty. The unit must be used for normal domestic purposes only and in accordance with manufacturer's operation instructions.

LIMITS OF LIABILITY

The warranty does not cover:

- * Special, incidental or consequential damages, injury to persons or Property, or any other consequential loss.
- * Any issue caused by negligence, misuse, abuse or circumstances beyond Waterford Stanley's control.
- * Any issue with wear and tear, modification, alteration, or servicing by anyone other than an authorized service engineer.
- * Installation and operational related problems such as draught related issues external to the stove, inadequate venting or ventilation, excessive flue offsets, negative air pressure caused by insufficient burning of improper fuel.
- * Damage caused to the unit while in transit.
- * Enamel discolouration due to over firing, enamel damage caused by impact, damage to baffles caused by over firing and fading of surface finish on casting.
- * Stress fractures on bricks.
- * Rust on cast iron parts unless reported prior to unit being installed.
- * Aesthetic damage, rust & missing parts on units purchased off display.

Note: Adequate clearance must be maintained around the appliance to ensure the ease of part removal in the possible event of their damage/failure. Waterford Stanley are not responsible for any costs incurred in the removal of items installed in the vicinity of the appliance that have to be moved to facilitate a part replacement.

All warranty claims must be reported to the Waterford Stanley Service Department and must be submitted with the product serial number (located on the front casting), date of purchase, proof of purchase (if requested) and details of the specific nature of the problem.

Manufactured by
Waterford Stanley Ltd.,
 Unit 401-403, IDA Industrial Estate, Cork Road,
 Waterford, Ireland.
 Tel: (051) 302300 Fax (051) 302315

