

# STOVAX



## *Huntingdon 30, 35 & 40 Mk2*

*Clean-burn stove*

### **Installation and Operating Instructions**

#### **IMPORTANT**

Please read these instructions carefully before using the appliance.  
Keep them safe for future reference and when servicing the fire.

# FOR YOUR RECORDS

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

## Stovax dealer appliance was purchased from

Name: .....

Address:.....  
.....

Telephone number: .....

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"/> |
| Instruction books handed to customer                 | YES <input type="checkbox"/> | NO <input type="checkbox"/> |

Signature: ..... Print name: .....

# PRE-INSTALLATION CHECKS

**Before installation of this product please read these instructions fully.**

It is very important to also understand the requirements of the UK Building Regulations (England and Wales – Document J / Scotland - Part F), along with any local regulations that may apply. Should any conflict occur between these instructions and these regulations the regulations shall apply.

Your local Building Control Office would be happy to advise should questions arise, regarding the requirements of the regulations.

The Huntingdon stove should be fitted by a HETAS approved installer, or approved by your Local Building Control office. Your Stovax dealer should be able to arrange this service for you.

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

## 1. FLUE AND CHIMNEY

The construction of the Flue or Chimney system should meet the requirements of the Building Regulations. For the **Huntingdon 30\***, **35** and **40** this should be either a round 150mm (6") diameter or a square flue of at least 135mm x 135mm (5 1/2" x 5 1/2"). A suitable approved factory made system may be used when installed to the manufacturer's instructions. Do not connect to systems containing large voids, or over 230mm square (9" square).

*\* The Huntingdon 30 may be fitted to 125mm (5") flue if a suitable , approved, liner system is installed to the manufactures instructions with a minimum height of 4m (13')*

The minimum height of the Flue or Chimney must be 4m (13') when measured from the hearth to the top of the flue, with no horizontal sections, and the maximum of 4 bends with angles of less than 45 degrees.

The flue exit from the building should be positioned to comply with the requirements of the Building Regulations.

The Flue or Chimney must be free from any obstruction of any kind.

The Flue or Chimney must be clean and sound, and should be swept before re-use.

Ensure no other heating appliances are connected to the same Flue or Chimney system.

Check that the Flue or Chimney is structurally sound. In particular it should not be possible for products of combustion to come into contact with combustible materials in the structure of the building.

# PRE-INSTALLATION CHECKS

Check the flue draught. This should be done with all windows and doors closed and any extraction fans in adjoining rooms running at maximum speed. (See next section for additional ventilation requirements)

Note: A guide containing general information on Chimneys and Flues is obtainable from: -

The British Flue & Chimney Manufacturers' Association,  
2 Waltham Court, Milley Lane  
Hare Hatch, Reading  
Bucks, RG10 9TH  
Tel: 0118 9403416  
e-mail: [info@feta.co.uk](mailto:info@feta.co.uk)

## 2. ADDITIONAL VENTILATION

**Additional ventilation** will be required to comply with the requirements of the Building Regulations. This should be provided using a permanently open vent, of the size listed, which is positioned so that it is not liable to be blocked, both inside and outside the building.

**Area:** - Huntingdon 30 – 550 mm sq  
Huntingdon 35 – 1375 mm sq  
Huntingdon 40 – 2200 mm sq

Extractor fans or cooker hoods should not be placed in the same room or space as the Huntingdon stove.

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

# INSTALLATION

Because each installation is unique to the property, it is not possible to give full details of the construction hearth setting. However this should be constructed to comply with the requirements of the building regulations and be made using "best practice" construction methods. Remember that many fireplace openings will have a supporting lintel do not remove this without making provision to support the remaining structure of the building. The Huntingdon stove must not form any part of the supporting structure.

To make the fitting of the stove possible the brick baffle must first be removed.

## 1. BAFFLE REMOVAL

- 1.1 Protect the floor area in front of the stove with a dust sheet.
- 1.2 Lift out the log retaining bars.
- 1.3 Tilt the top of the side brick into the centre of the stove and lift out through the door. Repeat for the other side brick.
- 1.4 Lift out the rear firebrick.
- 1.5 Raise the baffle slightly, turn through 90 degrees and lower it out through the stove doorway.
- 1.6 Refit the baffle and log retainer in the reverse order.

## 2. INSTALLING THE STOVE

- 2.1 Decide if the installation is to be top or rear flue exit, and fit the flue collar and blanking plate to suit. The flue collar attaches to the stove backplate or top plate with two hexagonal headed bolts. The blanking plate is fixed to the unused flue outlet with a clamping bar secured with a central bolt.
- 2.2 Lift the stove into position on the prepared hearth area, taking care not to damage the hearth finish.
- 2.3 Connect the stove to the flue system, and seal the connecting joints.

# INSTALLATION

## 3. COMMISSIONING

- 3.1 Replace the firebricks, baffles and log retainer. Check all items are correctly fitted, all seals are undamaged and the air controls and door catch are operating freely.
- 3.2 Carry out a final smoke draw test on the installed stove, by first warming the flue with a blow-lamp, or similar, for about 10 minutes. Then place a smoke pellet on the centre of the grate, with the air controls open, and close the door. Smoke should now be drawn up the flue and be seen to discharge at the terminal. This test should be completed with all doors and windows in the room where the stove is fitted closed. Should this test fail the suitability of the flue system should be re-checked.
- 3.3 Light the stove and gently allow the temperature to increase slowly to operating levels. Check that no combustion products are entering the room. When the stove has reached a steady operating condition open the main fire door and carry out a spillage test with a smoke match or pellet around the door opening. If excessive spillage does occur allow the stove to cool and re-check the suitability of the flue system.
- 3.4 Explain the safe operation of the stove and the use of the controls to the user, along with the need to only use suitable fuels. Also explain the cleaning and routine maintenance requirements.
- 3.5 Explain the requirements to use a suitable fireguard when children, elderly or infirm persons may be near the stove.
- 3.6 **Record dealer/supplier details and installer details in user instructions.**
- 3.7 **Record serial number in user instructions.**
- 3.8 **Give the copy of the user instructions to the customer.**

# OPERATING INSTRUCTIONS

## **Caution!**

The Huntingdon stove is manufactured from cast iron, which needs to be tempered before the stove is operated at the highest temperatures. Therefore it is recommended that the stove is operated at low temperatures for the first 24 hours of use.

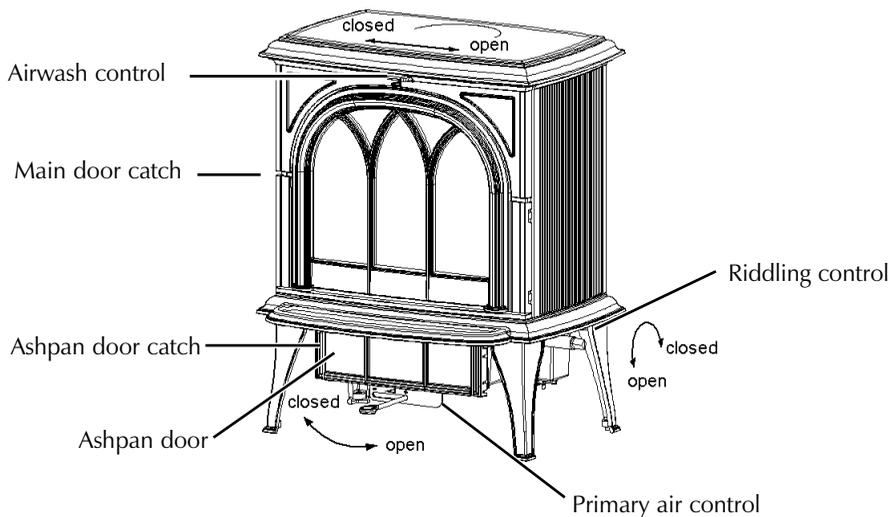
During this time the appliance may give off some unpleasant odours, as the paint cures, and we recommend that you keep the room well ventilated during this period to avoid a build-up of fumes.

After a prolonged period of time without burning, such as the summer, it is recommended to re-temper the castings by keeping the fire low for about 4 hours.

# OPERATING INSTRUCTIONS

## Multi-fuel version

Diagram 1

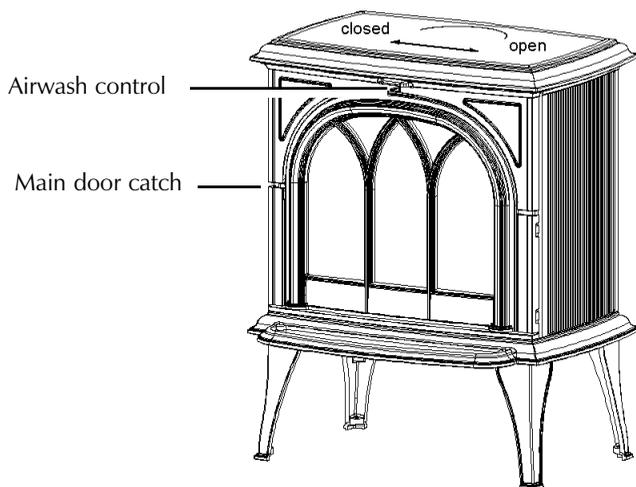


The secondary combustion air control on the rear of the Stove is pre-set during manufacture

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## Wood-burning version

Diagram 2



The secondary combustion air control on the rear of the Stove is pre-set during manufacture

# OPERATING INSTRUCTIONS

## 1. LIGHTING & BURNING THE STOVE

### 1.1 Woodburning versions using wood.

- 1.2 Open the **Airwash control** fully. See diagram 2.
- 1.3 Place some pieces of firelighters or dry crumpled paper on the grate and cover with some small pieces of dry kindling wood. Light the paper or firelighters. Do not burn plastics.
- 1.4 As the fire becomes established add larger pieces of wood. Control the burn rate using the **Airwash control** only.
- 1.5 To burn wood efficiently it is best to allow a bed of ash to build-up on the grate, and continue to control the combustion using the **Airwash control** only.
- 1.6 Before re-fuelling the appliance it is advisable to first rake the embers evenly over the firebed then open the **Airwash control** fully for a few minutes, to establish a glowing bed before adding new logs.
- 1.7 Allow the new logs to burn at high output for a few minutes before adjusting the burn rate with the **Airwash control** to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.
- 1.8 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the appliance.
- 1.9 It is not recommended to load large amounts of logs and burn with the **Airwash control** on low settings for long periods of time. As this will reduce the effectiveness of the glass cleaning effect of the Airwash. Also this will cause large a build-up of tars and creosotes in the appliance and flue system.

### 1.10 Multifuel versions using solid fuel

- 1.11 Open the **Airwash control** to approximately 50% open and **Primary air control** fully. See diagram 2.
- 1.12 Place some pieces of firelighters or dry crumpled paper on the grate and cover with some small pieces of dry kindling wood. Light the paper or firelighters. Do not burn plastics.

# OPERATING INSTRUCTIONS

- 1.13 As the fire becomes established add pieces of solid fuel.
- 1.14 When the fire becomes established reduce the **Airwash air control** to approximately 50% open and control the burn rate using the **Primary air control** only.
- 1.15 To burn solid fuels efficiently it is best to control the combustion using the **Primary air control** only.
- 1.16 Before re-fuelling the appliance it is advisable to first de-ash the firebed, using the riddling grate system, operated by using removable handle to rotate the riddling control on the side of the stove. This causes the ash to fall down into the ashpan. Always leave the riddling control in its extreme anti-clockwise position to allow air to pass through the grate when the stove is burning.
- 1.17 Open the Primary air control fully for a few minutes, to establish a glowing bed before adding new fuel.
- 1.18 Allow the new fuel to burn at high output for a few minutes before adjusting the burn rate with the Primary air control to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.
- 1.19 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the appliance.
- 1.20 It is not recommended to load large amounts of fuel and burn with the **Primary air control** on low settings for long periods of time. As this will reduce the effectiveness of the glass cleaning effect of the airwash. Also this will cause a large build-up of tars and creosotes in the appliance and flue system.
- 1.21 To burn wood on the multi-fuel stove it is best to close the grate, by rotating the riddling handle fully clockwise. This will allow a bed of ash to build-up, which will maintain efficient burning. The combustion should be controlled by closing the primary air control and adjusting the combustion rate with the airwash control.

**We would recommend that the Huntingdon is burnt at high output for at least 30 minutes each day when it is in use. This will help reduce the build-ups of tars and creosotes within the appliance.**

# MAINTENANCE

## 2. OPENING THE DOOR

- 2.1 To open the door, hook the pin on the end of the detachable handle into the hole at the bottom of the door catch handle and pull it towards you.
- 2.2 Never open the door with your bare hands.**
- 2.3 Closing the door is the reverse of the previous.
- 2.4 On multi-fuel stoves the ashpan door is opened and closed in the same way, using the small catch on the left-hand side of the door.

## 3. ASH REMOVAL

- 3.1 The burning of any fuel will produce ash, which will have to be removed after a period of use. This time will depend on the fuel used. Before removing the ash from the appliance it is advisable to let the fire burn down to a low level, or even go out completely.
- 3.2 Do not let large amounts of ash build-up in the under grate area as this will restrict the movement of the riddling system and could cause permanent damage to the grate bars.
- 3.3 The ashpan can then be removed from the appliance using a gloved hand.
- 3.4 As heat can remain in the ash for a long period after use, care must be taken when removing and carrying the full ashpan. We suggest that the ash be placed directly in to a Stovax ash caddie.
- 3.5 Do not place ash in a bin made from plastic or any other combustible material.

# MAINTENANCE

## 1. GENERAL CLEANING

- 1.1 We would recommend that your Huntingdon stove be cleaned fully on a regular basis, according to the level of use. Attention should be given to cleaning the baffle system, flueways and removing ash from the grate areas. Regular cleaning and preventive maintenance will help give many years of safe use.

## 2. CLEANING GLASS

- 2.1 While the correct use of the Airwash system will generally keep the glass clean when the appliance is used you may sometimes need to clean the glass.
- 2.2 This can be done as follows. Allow the Huntingdon stove to cool fully, never attempt to clean hot glass. Any deposits can be removed using a soft cloth and Stovax Glass Cleaner.
- 2.3 Alternatively, it is possible to remove some stains using a soft cloth and warm soapy water, ensure that you do not wet the door sealing ropes.
- 2.4 **Before re-lighting the appliance, dry the glass fully.**

## 3. REPLACEMENT AND CLEANING OF GRATE BARS

(Multi-fuel version only)

- 3.1 Protect the floor area in front of the stove with a dust sheet.
- 3.2 Lift out the log retaining bars.
- 3.3 Tilt the top of the side brick into the centre of the stove and lift out through the door. Repeat for the other side brick.
- 3.4 Lift out the rear firebrick.
- 3.5 Individual grate bars can now be lifted out and replaced as required.
- 3.6 Replace all firebricks and log retainer to complete.

## 4. CHIMNEY SWEEPING

- 4.1 We would recommend that to maintain the safe and efficient use of the appliance the flue / chimney is inspected and swept at least once a year.

## 5. ANNUAL SERVICE

- 5.1 At the end of the heating season it is recommended to strip, inspect and clean the appliance as detailed below.
- 5.2 Carefully remove all of the following internal parts. Internal Baffles, Firebricks, Complete grate and Ashpan (on multifuel stoves).
- 5.3 Vacuum clean any remaining ash and debris from the inside of the stove.
- 5.4 Clean the internal surfaces of the appliance using a wire brush and scraper as required. Vacuum and brush the resulting debris from the stove then give the inside of the appliance a protective coating of light oil, such as WD40®.
- 5.5 Clean the Baffles and Grate parts with a wire brush, and check the parts for any damage. Replace any damaged parts, if required, and coat all parts with a protective coating of light oil, such as WD40®.
- 5.6 Check and clean, with a soft brush the Firebricks. Replace any broken bricks. It is normal for some surface damage to occur during use.
- 5.7 Re-fit cleaned internal parts.
- 5.8 Remove the glass from the door, and discard all old rope and strip seals. Clean the old glue from the door sealing rope groove. Clean the door glass using Stovax Stove Glass Cleaner and a soft cloth, do not use abrasive cleaners to remove tar or soot deposits from the glass.
- 5.9 Replace the glass edge seal with a new seal and re-fit the glass into place in the door.
- 5.10 Fit new door rope seal, gluing it in place with Stovax Thermic Seal rope adhesive. When fitting new door seals we recommend closing the appliance door and leaving for at least 12 hours before using. This allows the adhesive to fully bond to the seal before use.

- 5.11 Lightly oil the door catch mechanism and hinge pins. Avoid getting oil on to the door seals and glass.
- 5.12 To refresh the finish on painted appliances it is possible to re-paint using Stovax Thermolac Stove paint.
- 5.13 To refresh the finish on enamel appliances it is possible wipe clean with a damp cloth.
- 5.14 We recommend that only genuine Stovax replacement parts are used to keep your Huntingdon in safe and efficient working order. Your local Stovax dealer will be able to provide you with the genuine parts you require.

## 6. RECOMMENDED FUELS

**Wood: -** Burn only seasoned timber, with a moisture content of less than 20%. In most cases this would require drying cut wood for 12 to 18 months before use. Poor quality timber could cause low combustion efficiency, produce large amounts of harmful condensation, which could reduce the effectiveness of the airwash system, and ultimately the life of the appliance Do not burn painted, treated wood or manufactured board products.

The symptoms of poor performance related to wet wood include:-

- difficulty getting a fire going and keeping it burning well,
- smoky fires with little flame,
- dirty glass,
- rapid creosote build-up in the chimney,
- low heat output,
- Short burn times, excessive fuel consumption and blue/grey smoke from the chimney.

To help avoid large build-ups of tars and creosote within in the stove and the flue system, it is recommended to burn at maximum output for at least 30 minutes each day. The use of Stovax Protector chimney cleaner will also help to reduce this problem.

**Solid fuel: -** Burn manufactured smokeless fuels, or anthracite, listed as suitable for use with closed heating appliances. Do not burn 'petro-coke' or other petroleum based fuels, as this will invalidate and product guarantee.

If you require advice on suitable solid fuels contact your local Approved Coal Merchant. Details can be obtained by ringing the Solid Fuel Association advice line on Freephone 0800 600 000. Or their web site at [www.solidfuel.co.uk](http://www.solidfuel.co.uk)

## 7. STOVAX STOVECARE PRODUCTS

The following products, all available from your local Stovax stove stockist, will help you to keep your stove in the best possible condition.

Task	Product name	Stovax code number
Glass cleaning	<b>Stove glass cleaner</b> (500ml wipe-on)	<b>4111</b>
	<b>Stove glass cleaner</b> (spray-on)	<b>4103</b>
Preventing the build-up of creosote in the chimney	<b>Protector</b> (15 sachets)	<b>7002</b>
	<b>Protector</b> (1kg tub)	<b>7025</b>
Sealing flue pipe joints	<b>Fire cement</b> (500g tub)	<b>2020</b>
	<b>Fire cement</b> (600g cartridge)	<b>2021</b>
Re-painting matt black stoves	<b>Thermolac</b> (400ml aerosol)	<b>2019</b>
	<b>Thermolac</b> (200ml brush-on)	<b>2057</b>
Cleaning the surface of matt black stoves	<b>Colloidal black</b> (85ml)	<b>7000</b>
Protecting your hands	<b>Heat-resistant leather gloves</b>	<b>4008</b>
	<b>Extra long heat-resistant leather gloves</b>	<b>4027</b>
Sealing the stove door	<b>8mm rope seal</b> (cut from the reel)	<b>4970</b>
	<b>8mm rope seal</b> (handy pack)	<b>4971</b>
Sealing the stove glass	<b>3mm rope seal</b> (cut from reel)	<b>4660</b>
	<b>3mm rope seal</b> (handy pack)	<b>7019</b>
Attaching rope seal	<b>Thermic seal 1250</b> (17ml tube)	<b>4105</b>

## 8. STOVAX HEARTH AND FIREPLACE ACCESSORIES

Your Huntingdon will have contained a brochure illustrating all Stovax Hearth and Fireplace accessories. If this is mislaid, or you require more information about Stovax products, visit our web site [www.stovax.com](http://www.stovax.com).

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