

# escea.

IB1100 and IB850

## Installation Manual

AUSTRALIAN EDITION



### Important:

The appliance shall be installed in accordance with;

- This installation instruction booklet
- Local gas fitting regulations
- Municipal building codes
- Electrical wiring regulations
- AS 5601 / AG 601-2000, *Gas installations*
- Any other relevant statutory regulations.
- Must be installed by a qualified person
- Must be installed with an Outer Skin Kit (Separate Kit)

*This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.*

*Young children should be supervised to ensure that they do not play with the appliance.*

Manufactured by: Escea Ltd, PO Box 5277 Dunedin NZ, Ph: +64 3 479 0302, email: [info@escea.net](mailto:info@escea.net)  
For contact details of your local escea distributor or dealer please visit [www.escea.net](http://www.escea.net)

## Note:

### THERE ARE A FEW THINGS TO CONSIDER BEFORE INSTALLATION

- Cavity Dimensions, Clearances, and fitting the Outer Skin Kit
- **MUST** be installed 100mm minimum off the floor
- Coupling of flue to fire
- Coupling of gas lines to fire
- Fixing the fire to the cavity
- Supply of electricity to fire
- Gas pipe placement to the front right of the cavity.

The sequence you choose to do these tasks will vary on your individual scenario. Please read these instructions fully before proceeding with your installation.

Leave the installation of the fascia panels until the very end of the installation and commissioning to avoid damage to the fascia panels.

#### **WARNING:**

**Failure to follow these instructions could cause a malfunction of the heater, which could result in death, serious bodily injury, and/or property damage. Failure to follow these instructions may also void your fire insurance and/or warranty.**

#### **Installation:**

Installation must be carried out by a registered installer who, on completion of the installation, must issue a certificate of compliance, in accordance with national and/or local codes. If a certificate of compliance is not issued then the Escea warranty *may* be void.

This appliance needs fresh air for safe operation and must be installed with provisions for adequate combustion and ventilation air available to the room in which it is to be operating.

#### **Warranty Repair and Annual Servicing:**

Warranty repair work must be carried out by a recognised Escea Gas Fire Technician. It is recommended that recognised Escea Gas Fire Technicians are also used to carry out annual servicing requirements (particularly during the warranty period). For contact details of authorised Escea technicians in your area, please contact the retailer from whom the appliance was purchased.

The heater must be installed according to these instructions and in compliance with all relevant building, gas fitting, electrical and other statutory regulations (eg. AS 5601). Any shortcomings in the appliance and flue installation will be the responsibility of the installer, and Escea will not be accountable for any such failings or their consequences.

<b>Contents:</b>	<b>Section:</b>
• Product Description_____	1.0
• Creating the Cavity_____	2.0
• Ventilation_____	3.0
• Cavity Base _____	4.0
• Hearth_____	5.0
• Raised Installations Up a Wall_____	6.0
• Wall Linings_____	7.0
• Clearances_____	8.0
• Corner Installations_____	9.0
• Power Supply_____	10.0
• Flue Kits_____	11.0
• Flue Assembly_____	12.0
• Laying Gas Pipe_____	13.0
• Assembling the Outer Skin Kit_____	14.0
• Fixing the Outer Skin Kit (OSK) into the Cavity_____	15.0
• Gas Fireplace Installation _____	16.0
• Attaching the Flue to the Fireplace_____	17.0
• Connecting the Gas Pipe_____	18.0
• Fixing the Heater to the Base and Wall_____	19.0
• Locating the Log Set_____	20.0
• Electrode Placement_____	21.0
• Checking Operating Pressure_____	22.0
• Fitting the Fascia Panels_____	23.0
• Locating Wall Mount Cradle for Wireless Control_____	24.0
• Normal Operating Sounds and Smells_____	25.0
• Installation Check List_____	26.0

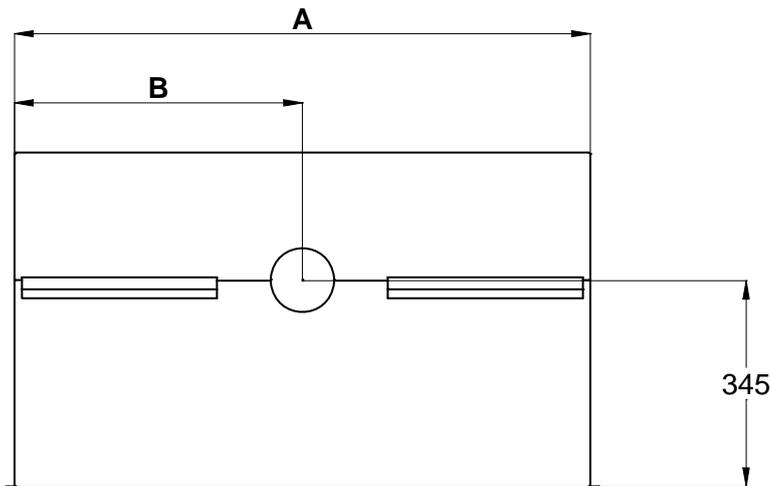
## 1.0 Product Description:

The Escea IB1100 and IB850 gas fires are designed to be built into a cavity. Both appliances are flued conventionally via a Ø100mm flue system.

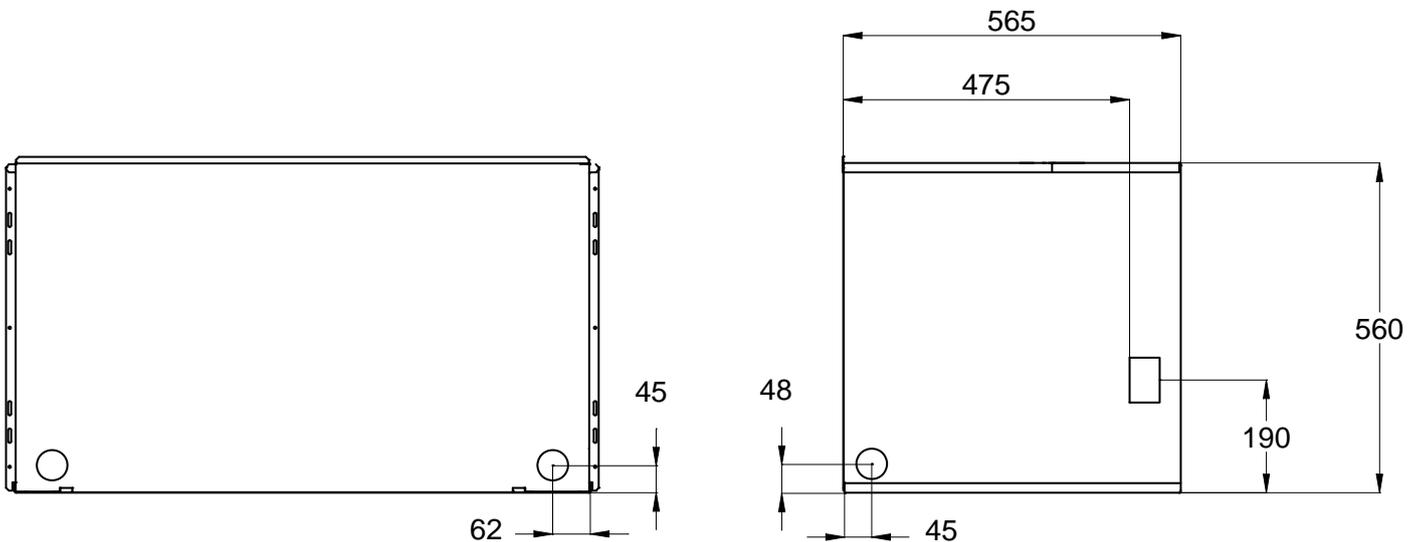
The user will control their fire with the Radio Frequency (RF) remote that will normally be left in its wall mount cradle. In addition to the RF remote it has a single auxiliary on/off button on the unit. When not in operation it is in a standby mode unless it is physically isolated from the mains supply.

The Escea IB1100 and IB850 **Outer Skin Kit** must be used with **ALL** installations. They seal the cavity and also prevent any combustible material surrounding from getting excessively hot.

## 1.1 Outer Skin Kit (OSK) Dimensions

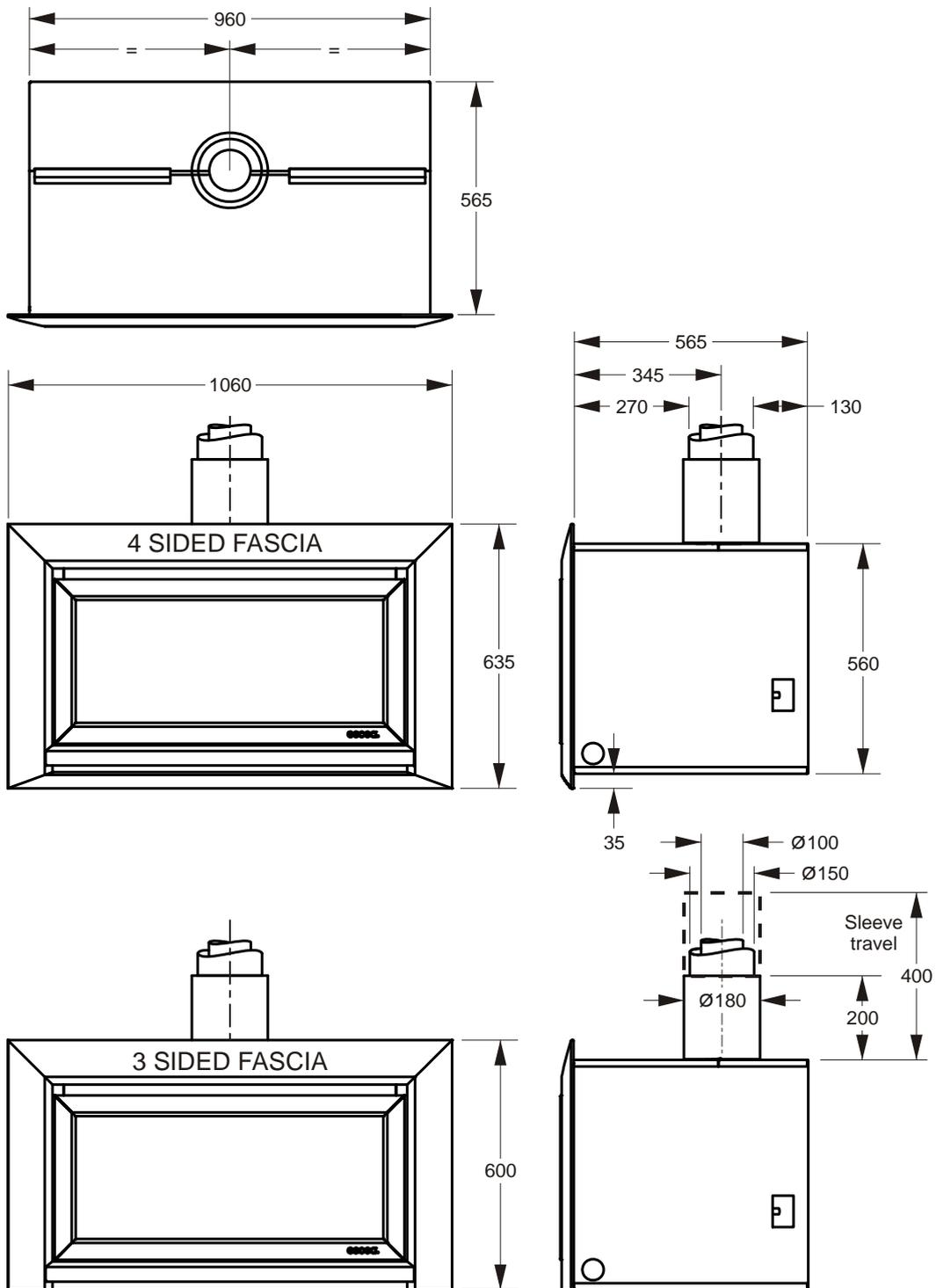


	A	B
<b>IB850</b>	960mm	480mm
<b>IB1100</b>	1260mm	630mm

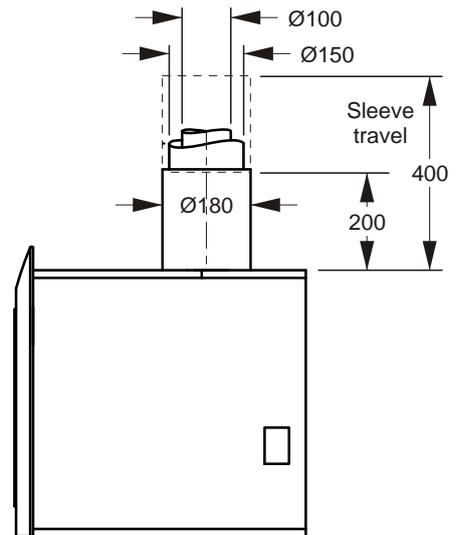
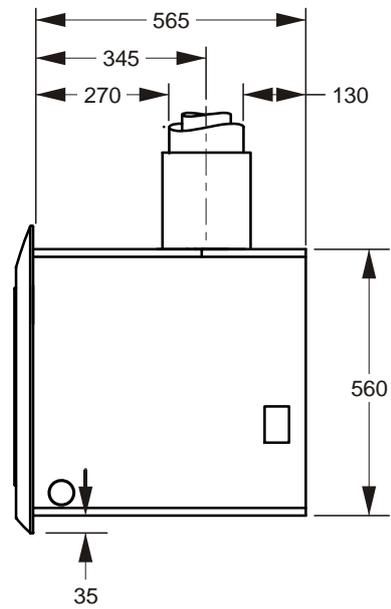
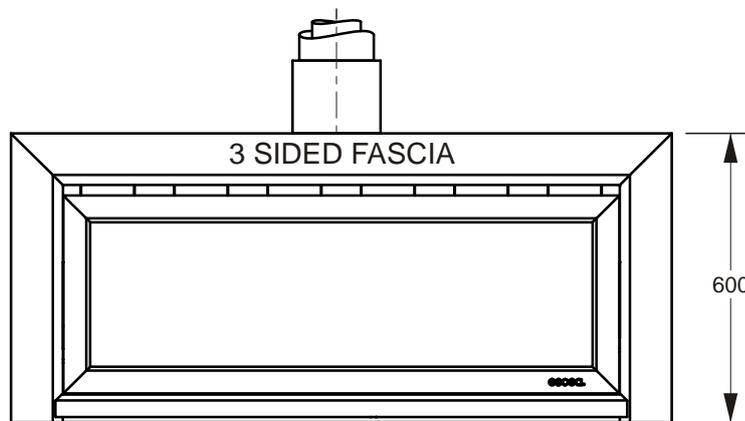
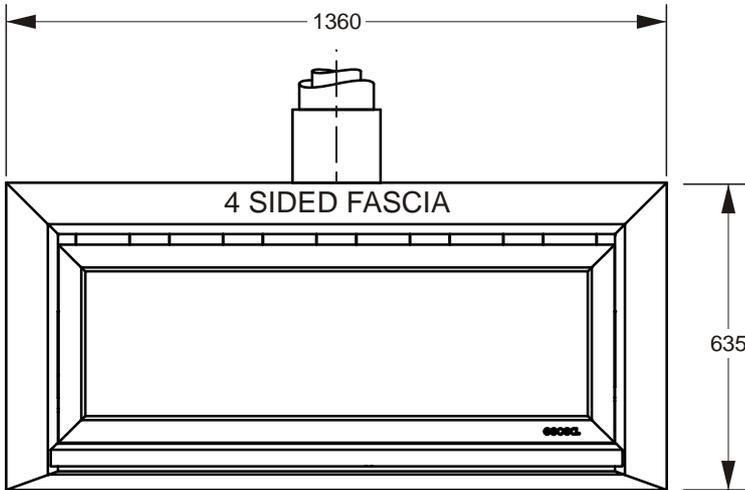
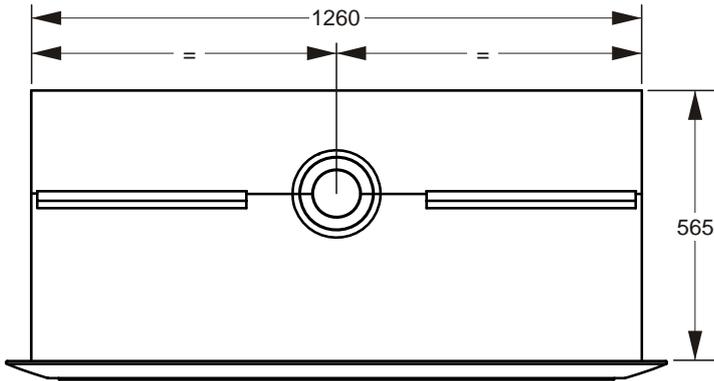


1.2 Product Dimensions

**IB850**



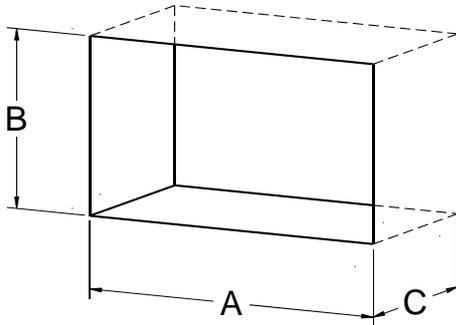
# IB1100



## 2.0 Creating the Cavity:

The dimensioned drawing below shows the size of opening that must be created to fit the Outer Skin Kit.

**Note:** It is not necessary to line the side, top or back of the cavity.



### Ideal Cavity Dimensions:

All dimensions in millimetres

	A	B	C
<b>IB850</b>	960	560	565
<b>IB1100</b>	1260	560	565

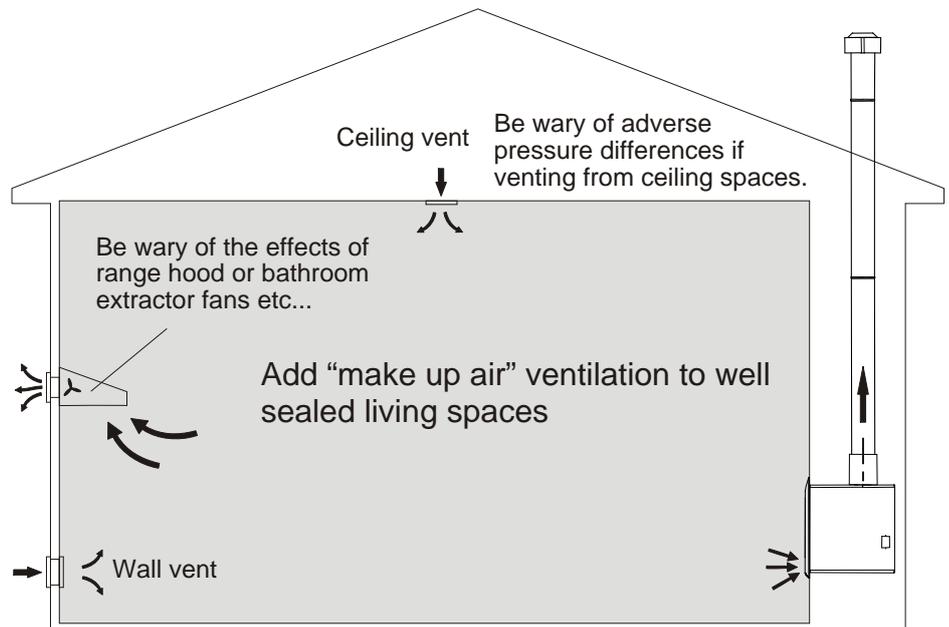
(Check Offset. Refer 2.2)

- 2.1 Where possible, it is recommended that the cavity is made slightly larger than the above dimensions to give the installer the maximum amount of space to work in.
- 2.2 The IB1100 and IB850 have their electronics compartment protruding from the left hand side of the fire and the resulting offset needs to be taken into account when installing into a tight masonry cavity.

## 3.0 Ventilation:

It is important to remember that local building codes require additional ventilation be included into living spaces where open flued natural gas appliances are installed.

Your local building codes provide formulae and tables for calculating the required ventilation given the size of the living space and the gas input of the appliance.



## 4.0 Cavity Base:

This appliance **MUST** be fully supported on its base. The base must extend over the entire area of the underside of the appliance. The base must also be levelled to prevent vibration from possible fan imbalance. For the installation of an IB1100 the base of the cavity must be strong enough to support the total product weight, which is a minimum of 70kg

The base of the product must be fully supported at either side and at the centre front to back.

## 5.0 **Hearth:**

If this fire is being installed at floor level a hearth made from non-combustible material must extend *no less than 300mm from the front of the fire*. This hearth should be at least as wide as the fire's outer fascia and no less than 10mm thick. Raised hearths can be any size but must also be constructed from non combustible materials.

5.1 The floor in front of this hearth will still get warm so if the floor covering is vinyl, nylon carpet or another heat sensitive material then we recommend extending the hearth to 450mm from the fire.

5.2 **NOTE:** If the hearth is to be covered with tiles or some other veneer then the fire must be installed so that the base of the 'Outer Skin Kit' is level with the finished top surface of the hearth.

## 6.0 **Raising the Fire Up a Wall:**

This fire must be installed at a minimum of **100mm** off the floor. If the fire is being located in such a way that the bottom of the cavity is any more than **100mm** up off the ground no hearth is required. Escea recommend that if a heater is being mounted more than 100mm up a blank wall and no hearth is being used, then a **four sided fascia** is used (available from your Escea dealer).

## 7.0 Wall Linings:

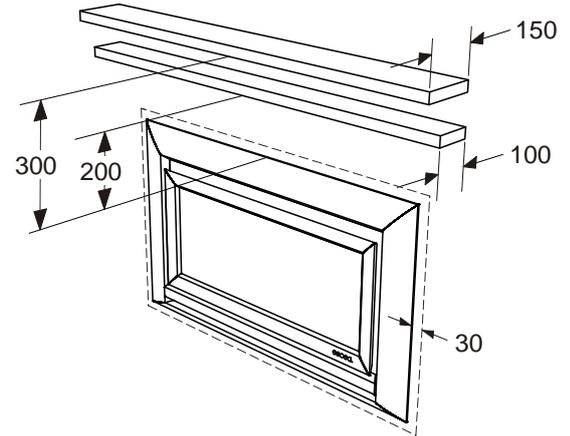
The front mounting flanges of the 'Outer Skin Kit' **MUST** be on top of the **FINISHED** wall surface in order for the fascia panels to mount properly. Take into account any plaster board, tiles or any other finishing surface that may be intended for the finished wall surface. Wall finishing materials must not encroach upon the minimum cavity clearances given in section 1.0. The wall board that lines the outside of this opening can be normal dry wall (plaster board) and does not need to be non-combustible.

**Note:** The temperature of the wall lining directly above the heater does get warm and hence may discolour paint finishes that are susceptible to temperature damage or distort vinyl wall coverings. For durability of finishes and surfaces you should contact the relevant manufacturer for their specification.

## 8.0 Clearances:

### Mantle Clearance

Please refer to the diagram to the right. Mantles or protruding ledges mounted above the heater that are made from combustible materials, must not extend from the wall outside of the dimensions shown.

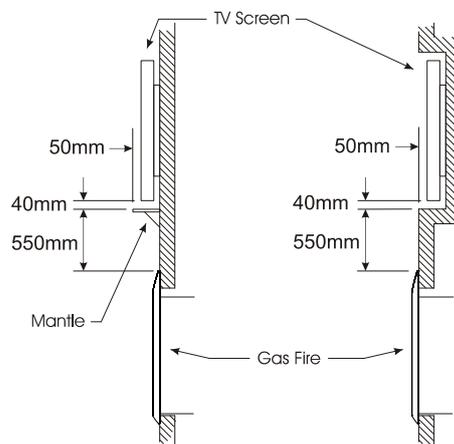


Maintain a 30mm clearance around the fascia to ensure ease of fascia removal.

NB: No clearance is needed underneath 3 sided fascias

## 8.1 Television Clearances

The following are the recommended minimum clearances for the location of any electrical equipment (such as Plasma TV, LCD TV or home theatre) above an Escea IB Series gas fire. Use either a shelf or mantle below your TV screen or alternatively you can construct a recess to mount your TV screen into.

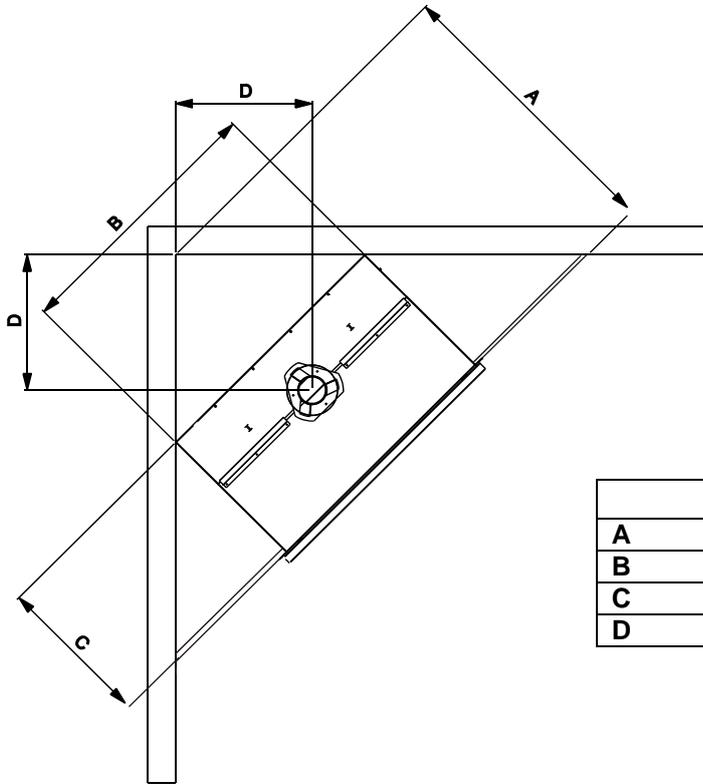


**Note:** The above television clearance recommendations are to be treated as a suggestion of a suitable installation only. It is the responsibility of the end user to check the installation instructions of their electrical appliances to ensure that the location in relation to the gas fire, is suitable. Escea in no way guarantees or takes responsibility that the above installation suggestion will be suitable for all electrical or home entertainment appliances.

## 9.0 Corner Installations:

If a cavity is to be created in a corner, the following drawings give the minimum sized interior wall and resultant flue position.

### 9.1 Minimum corner install dimensions:



	IB1100	IB850
<b>A</b>	1195	1045
<b>B</b>	1260	960
<b>C</b>	565	565
<b>D</b>	600	495

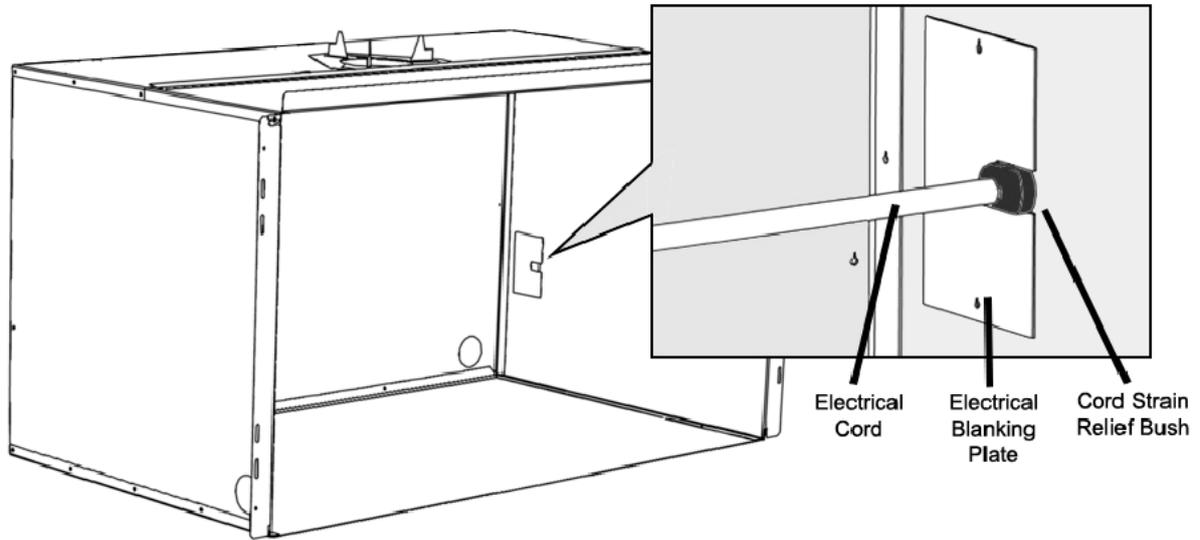
## 10.0 Power Supply:

Whilst the cavity is being created consideration should be given to appropriate location of a standard 3 pin, EARTHED 240V power outlet. This must be within **0.5m** of the rear left hand corner of the appliance.

10.1 Locating the power outlet within the cavity makes the installation very neat but the provision **MUST** be made to be able to switch the power supply off and on (electrical isolation switch) and **MUST** be accessible after the heater has been installed. This is normally done by means of a separate switch located outside of the cavity and wired to the plug. This will allow service technicians to isolate the power supply before performing service work on the appliance.

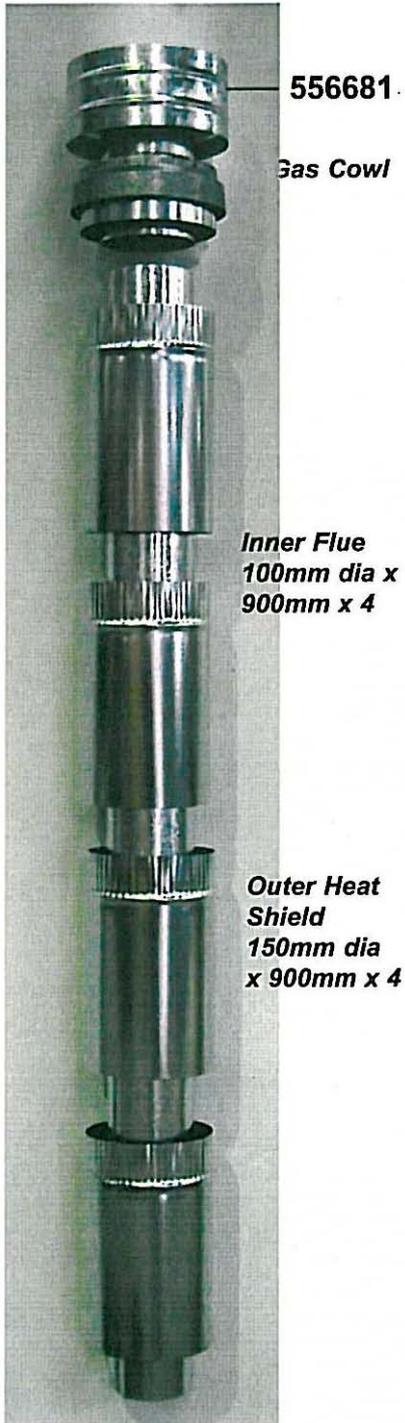
10.2 This appliance will draw a maximum of 1.2 Amps from a 240V supply.

The electrical cord (from an extension cord) should pass through the Outer Skin Kit as shown, through the supplied Cord Strain Relief Bush.



11.0 Flue Kits (Glen Dimplex kits only shown. Check with local distributor for availability)

**552327** Standard Flue Kit



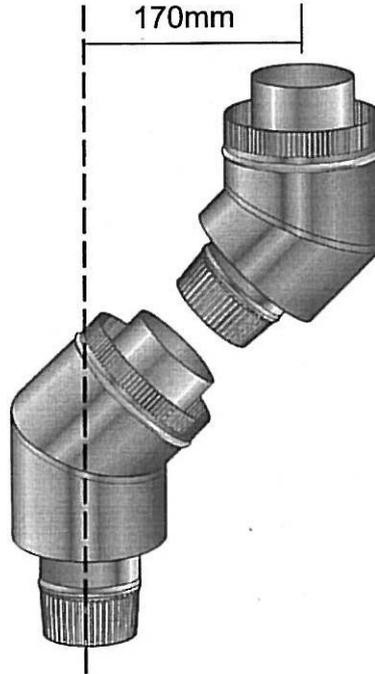
**556681**

*Gas Cowl*

*Inner Flue  
100mm dia x  
900mm x 4*

*Outer Heat  
Shield  
150mm dia  
x 900mm x 4*

**552332** Offset Flue Kit Black  
**552333** Offset Flue Kit Galvanised



170mm

**552330** 900mm Flue Extension Kit  
Black  
**552331** 900mm Flue Extension Kit  
Galvanised



## 12.0 Installing the Flue System:

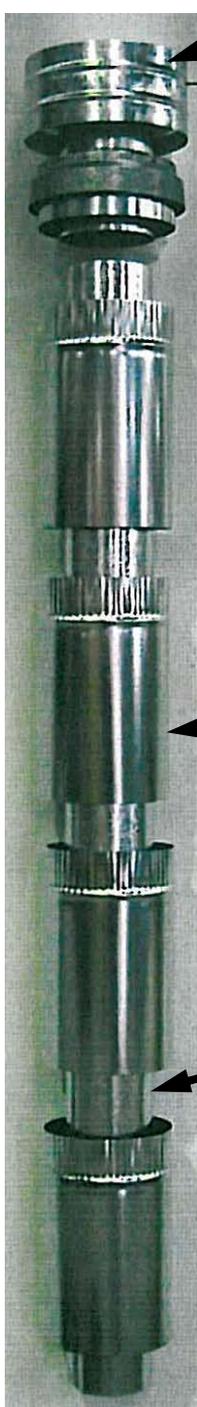
### Non-Masonry Timber Frame Cavity:

The heater must be flued to the outside via a 100mm diameter inner flue that is covered by a 150mm diameter liner. This must be installed in accordance with the requirements of AS5601 and local codes.

The minimum flue length = 3.6m vertical height

- 12.1 Consult the installation instructions that come with your flue kit. To ensure safety the flue kit must be installed according to those instructions. An overview is provided below. Ensure all clearances to combustibles are maintained as per specifications earlier in this manual.

It is important to check that you have all the necessary flue parts before beginning your installation.



Gas Cowl

1. Locate the Outer Skin Kit in the cavity as per the instructions in section 15 of this manual. Mark the point for penetration that is directly above the centre of the flue outlet on the gas fireplace. Check that the location ensures that the flue outer liner maintains a 25mm clearance to all combustibles and timber framing.
2. Cut a 200mm square hole where the penetration is required using the mark created in step 1 as a guide. Fit non-combustible nogs in the ceiling space if required.
3. Measure the overall flue length required. Remember to allow for all necessary clearances to neighbouring structures (including a minimum of 600mm clearance above the nearest point on any part of the roof). It is recommended that extending the flue above the ridgeline will assist with down draught issues. Consult AS5601 2002 for further information.

Outer Liner Ø150mm

4. Assemble all the outer liner lengths and fix together with pop rivets or self tapping screws. Lower the assembled outer liner through the roof (or false chimney) and secure to the fixed part of the Outer Skin Kit. Fix as necessary to inner framing where possible (see section 12.4).

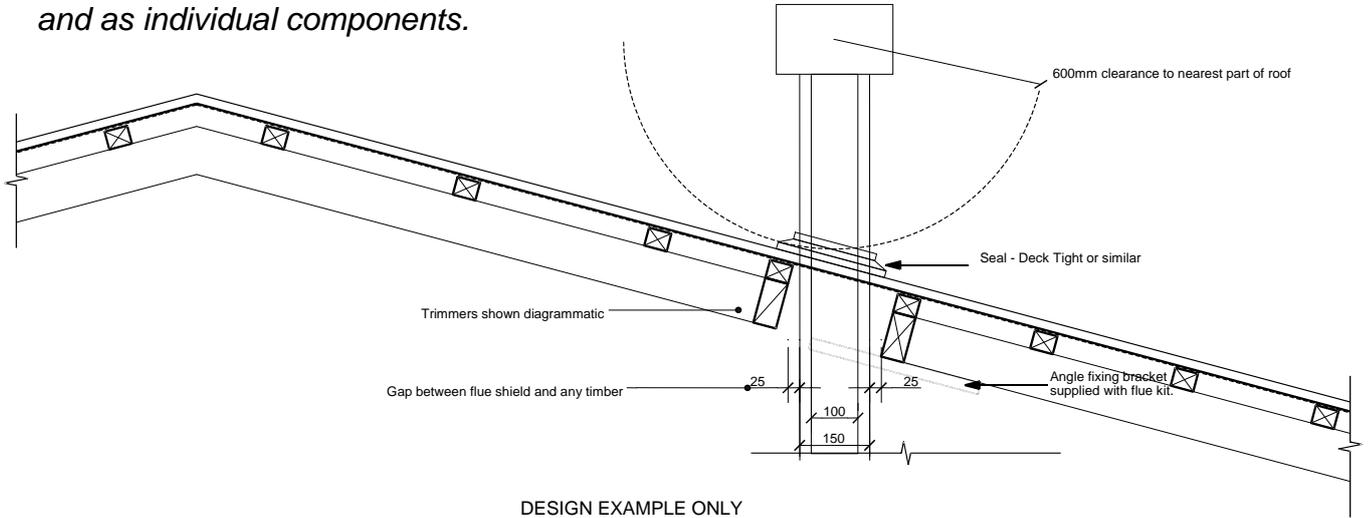
Ø100mm Inner Flue

5. Assemble the Ø100mm inner flue lengths using pop rivets or self tapping screws. It is recommended that *all* flue joints are sealed. Lower the Ø100mm inner flue assembly from the roof through the centre of the outer liner and locate onto the gas fireplace spigot. Ensure that the top of the Ø100mm inner flue is at the correct height at the top of the outer liner.

6. Fix an appropriate weather shielding to the outer liner at the penetration and seal to the roof or chimney using an appropriate sealer.
7. Fit the gas cowl.
8. Once gas fireplace is operational check the installation for flue spill where possible
9. Note: It is the installer's responsibility to ensure the installation complies with AS5601 2002 and all relevant local codes.

12.2 The top of the flue must be capped with an appropriate and approved anti down draft cowl.  
**Note:** As per national standards, the finished terminal must be in clear air and **not enclosed in any way.**

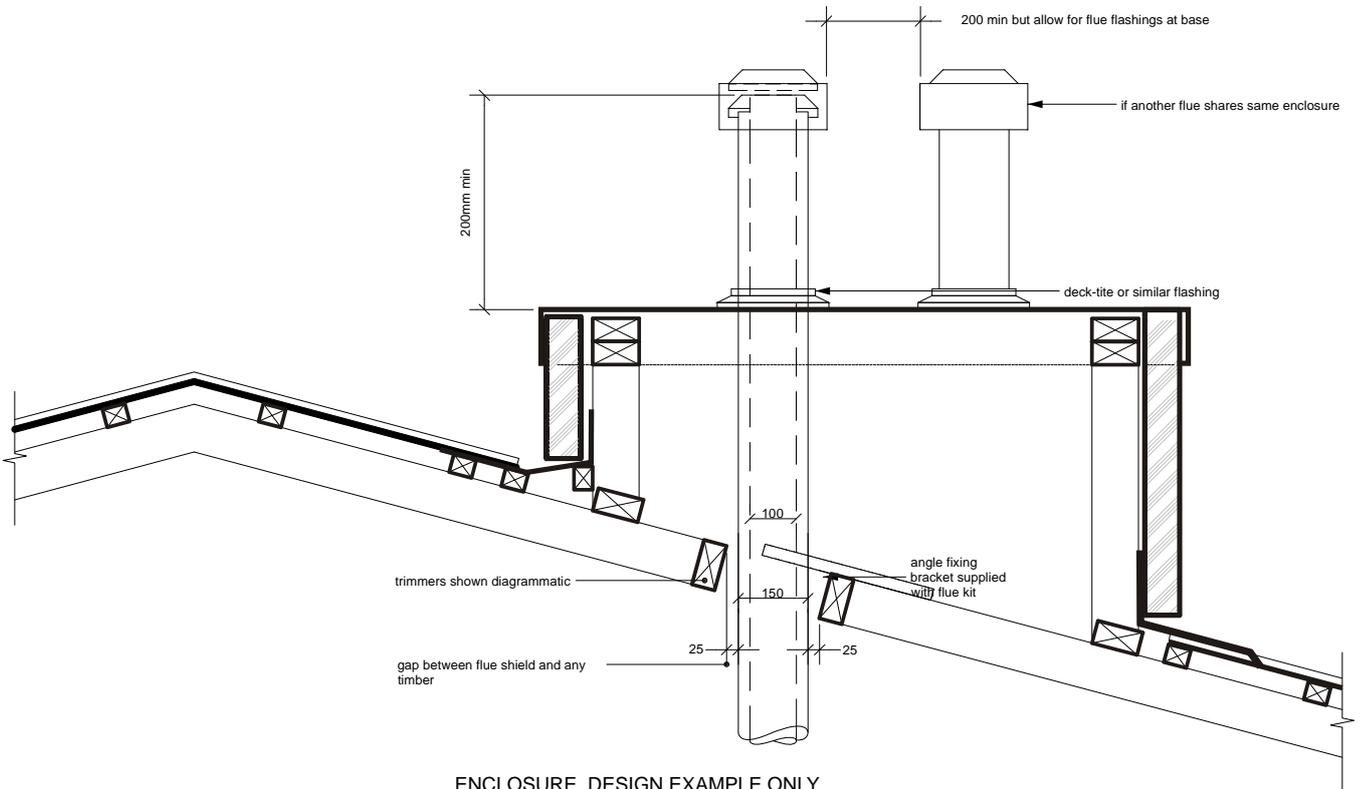
*All the required flue components are available from your Escea dealer in both kitset form and as individual components.*



DESIGN EXAMPLE ONLY

 **LONG SECTION THROUGH FLUE ENCLOSURE**  
 Scale: NTS

GENERAL CONSTRUCTION AND CLADDING SHOWN AND IS INDICATIVE ONLY  
 ALL INSTALLATION & FLUING MUST COMPLY WITH AS 5601



ENCLOSURE DESIGN EXAMPLE ONLY

 **LONG SECTION THROUGH FLUE ENCLOSURE**  
 Scale: NTS

GENERAL CONSTRUCTION AND CLADDING SHOWN INDICATIVE ONLY

FROM AS5601, please ensure compliance to all other relevant sections of this code.

### 2.6.13 FLUE TERMINALS

#### 2.6.13.1 Location

The termination point of a flue shall be located in relation to any associated building and to neighbouring structures so that wind from any direction is not likely to create a downdraught in the flue or chimney.

Except where 2.6.13.3 applies, a flue terminal shall:

- (a) Be at least 1m horizontally from a neighbouring structure; or
- (b) If less than 1m horizontally from a neighbouring structure, be at least 500mm above that structure;
- (c) Be at least 1.5m from any opening into a building; and
- (d) Be at least 200mm from another flue terminal.

#### 2.6.13.2 Terminating a flue above a roof

Where a flue is to terminate above:

- (a) A roof; the end of the flue shall be at least 500mm from the nearest part of the roof;
- (b) A trafficable roof designed for personal or public use, the end of the flue shall be at least 2m above the roof level and at least 500mm above any surrounding parapet; or
- (c) A chimney, the end of the flue shall be at least 200mm from the nearest part of the chimney.

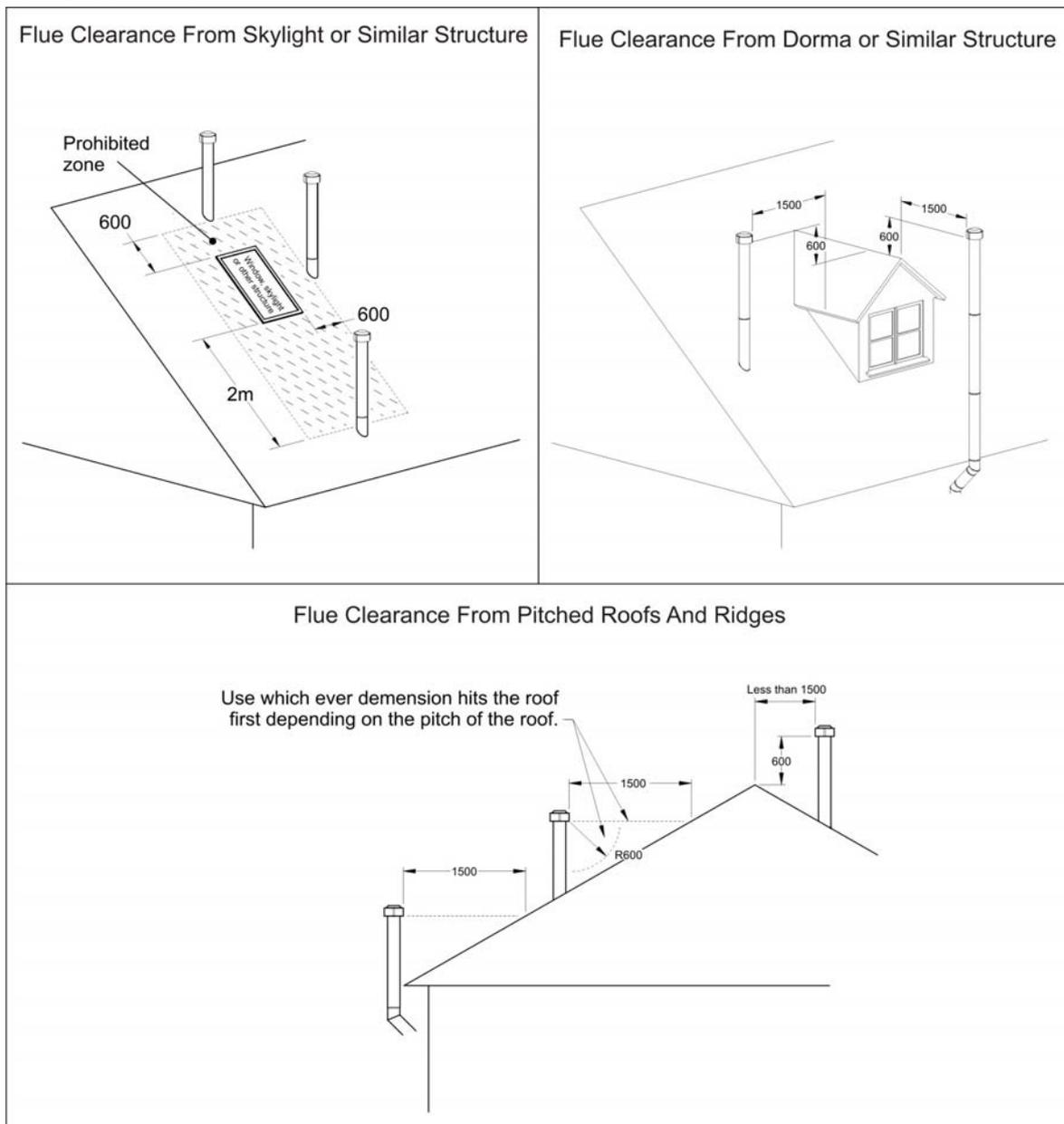
NOTE-

- (1) The distance is measured before the cowl is fitted to the end of the flue
- (2) (NA)
- (3) (NA)

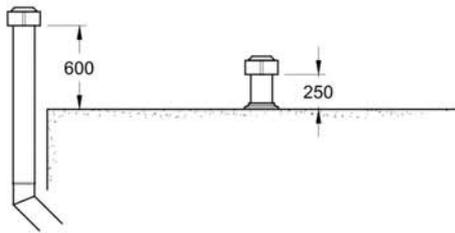
#### 2.6.13.3 Location of a flue terminal other than above a roof

(NA)

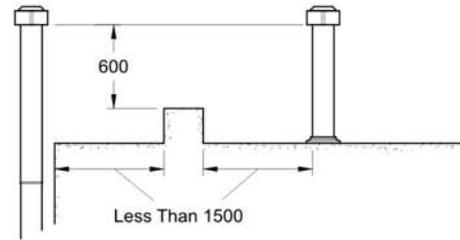
## 12.3 Flue Clearance:



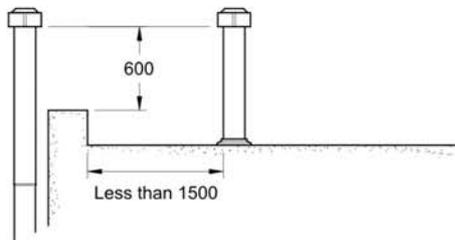
**FLAT ROOFS WITH NO PARAPET**



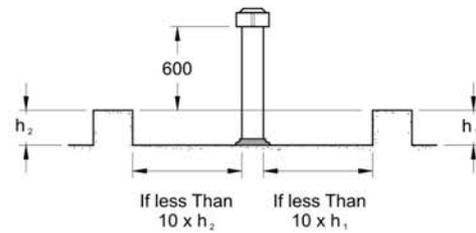
**STRUCTURE CLOSE TO FLUE TERMINAL**



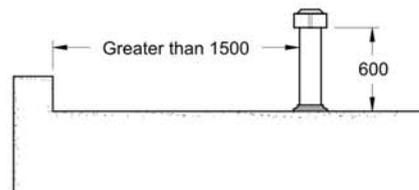
**FLUE CLOSE TO PARAPET**



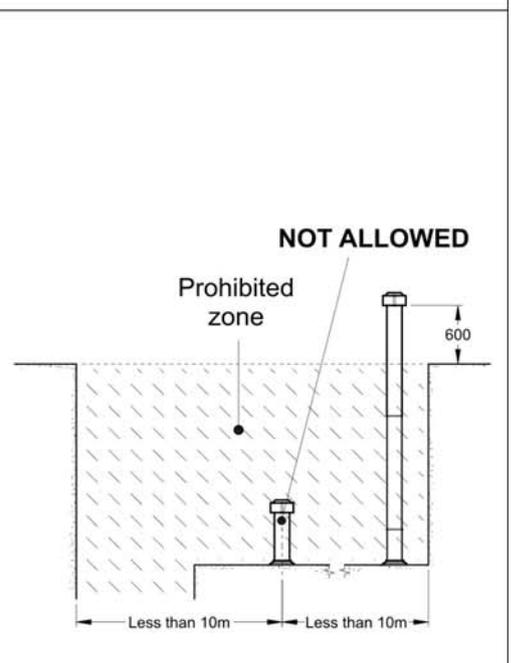
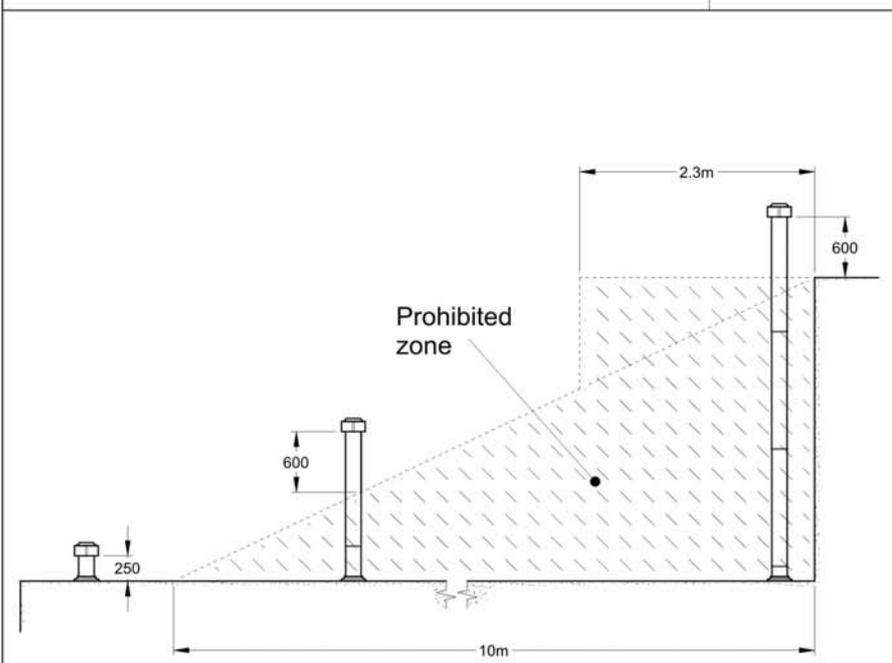
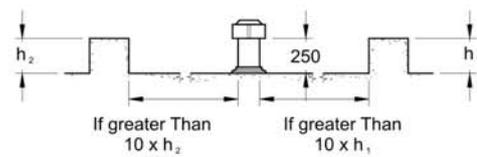
**MULTIPLE STRUCTURES (Envelope Method)**



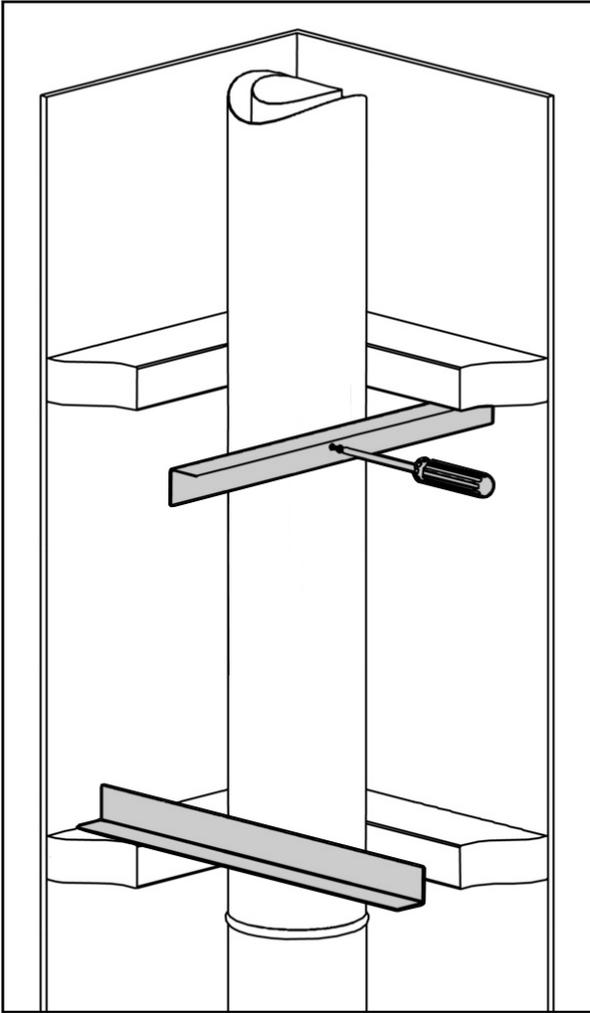
**FLUE AWAY FROM PARAPET**



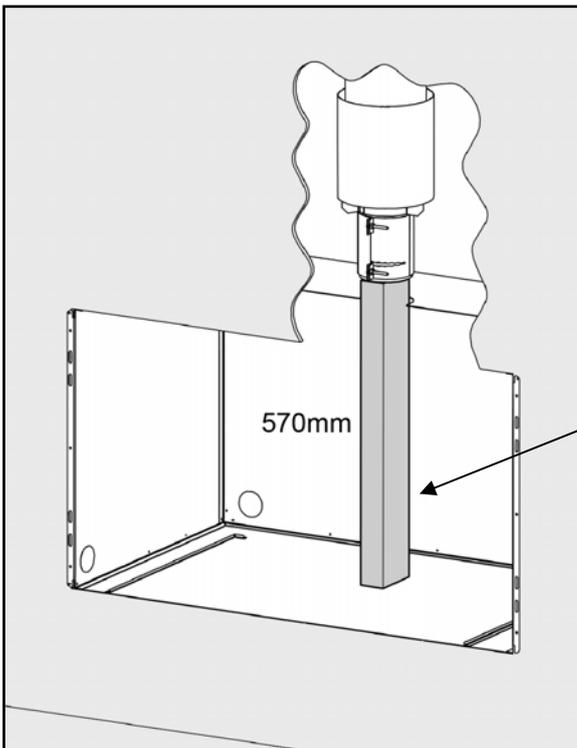
**MULTIPLE STRUCTURES AT A DISTANCE**



## 12.4 Fixing the Flue to the Cavity



A length of angle should be attached to the inside of the timber frame cavity to hold the flue in place. Once you have fixed the angle to the inside of the cavity holes must be drilled to secure it to the flue. Screws or rivets can be inserted directly into the 150mm flue to hold it in place.



To make sure the flue is installed at the correct height, a piece of timber can be cut to 570mm and between the fire base level and the bottom of the flue. This will ensure the correct height for installation and support the flue assembly.

Timber prop as temporary support until fireplace is installed.

### 12.5 Masonry Cavity and Chimney:

The heater can be flued with 100mm flexible aluminum ducting in accordance with AS5601. This single skinned flue must only be used where the path of the duct never comes into contact with combustible materials.

12.6 The top of the flue must be capped with an appropriate and approved anti down draft cowl.

**Note:** Chimney liner flue kits intended for other brands of heater may not fit. Escea flue spigot is 100mm inside diameter.

### 13.0 Laying Gas Pipe:

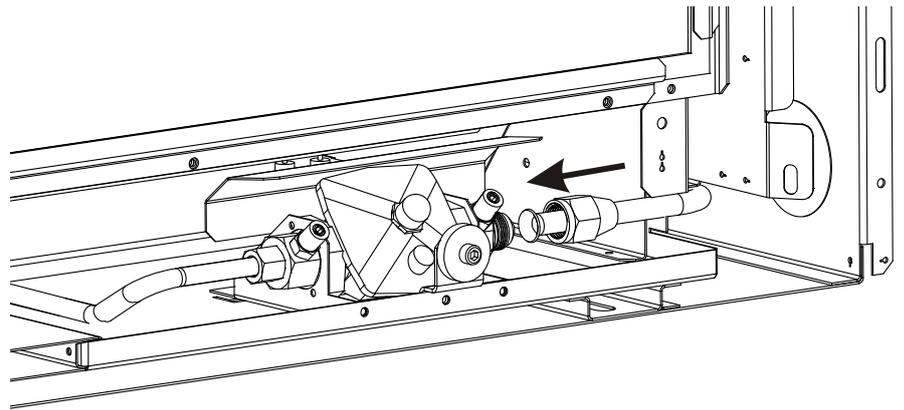
Gas pipe should be sized as per the requirements of AS5601. The pipe sizing must be sufficient to deliver the following volume of gas to the heater with all other gas appliances in the home running at the same time;

IB850 = 40MJ/hr

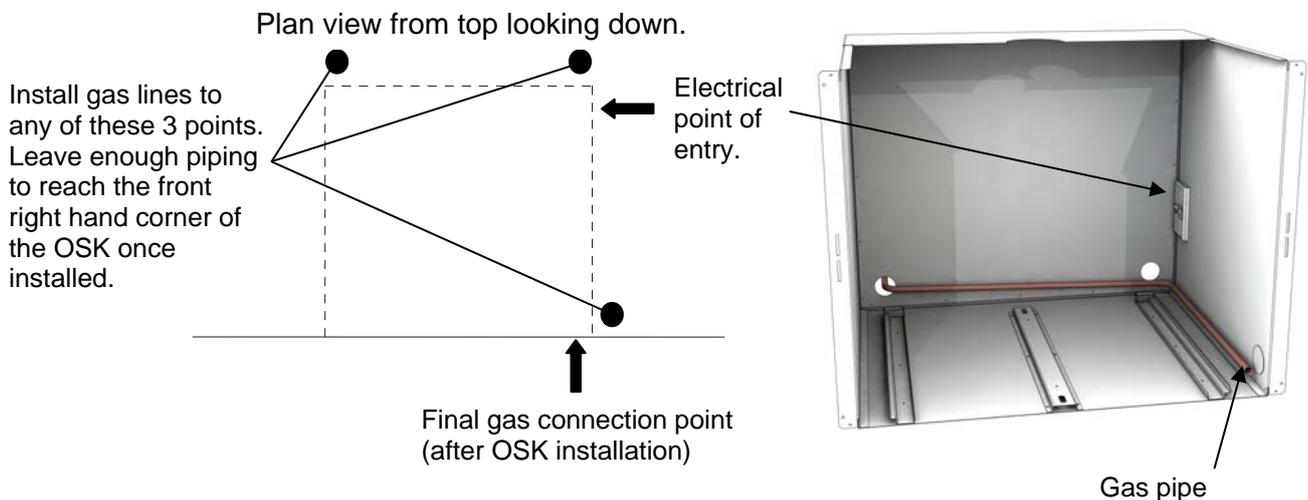
IB1100 = 40MJ/hr

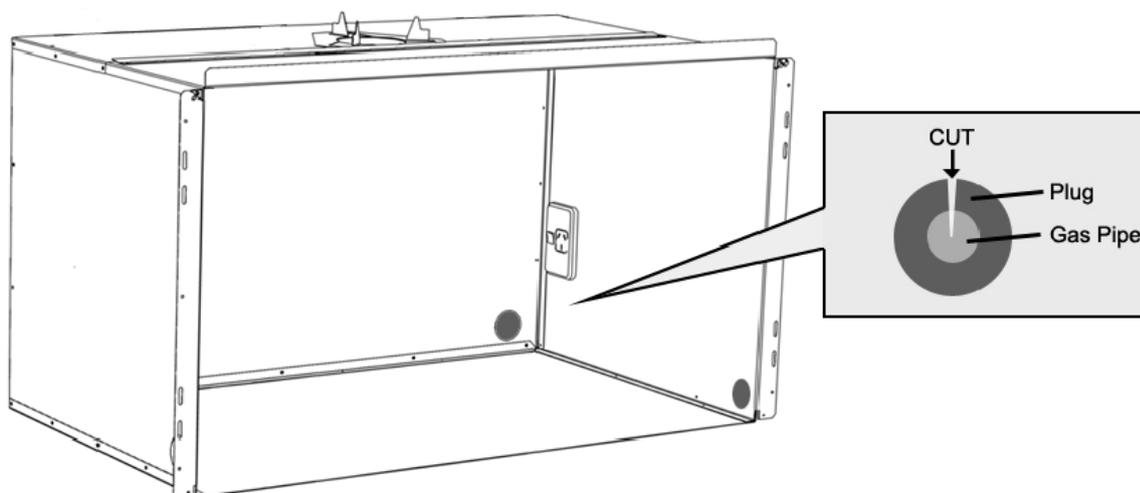
13.1 This fire has been supplied with a ½" flare nut connection to make connecting the gas supply easy and safe. Suitable piping should be run to within 400mm of the front right hand corner of the fire. ½" Copper tubing should form the last section of piping to the regulator.

Flare the end of the copper tubing and screw onto the regulator as illustrated in the diagram to the right. This connection must be joint tested to ensure gas tightness.



13.2 The Outer Skin Kit has 3 possible entry points for solid gas pipe, on the two rear corners and the front right. Each is sealed by a 'knock-out'. Remove only the knock-out which you require, and place the supplied rubber plug into the hole. You will need to make a small cut into the rubber plug to allow the gas pipe to pass through, keeping the plug as air-tight as possible.





13.3 It is recommended that a gas isolating valve be installed as close to the regulator on the gas inlet side as possible. This will allow for easier servicing in the future.

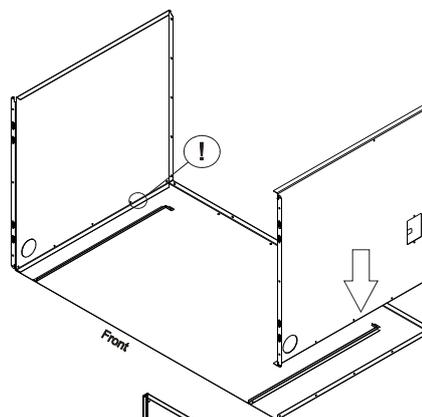
13.4 If the room has not been completed and the wall surfaces are yet to be lined or plastered the fire **must not** be installed into the Outer Skin Kit until such time that there will be no further sanding. This will prevent dust from entering the product. Preferably the fireplace should be commissioned after the walls have been painted.

#### 14.0 **Assembling the Outer Skin Kit:**

Included in the Outer Skin Kit is:

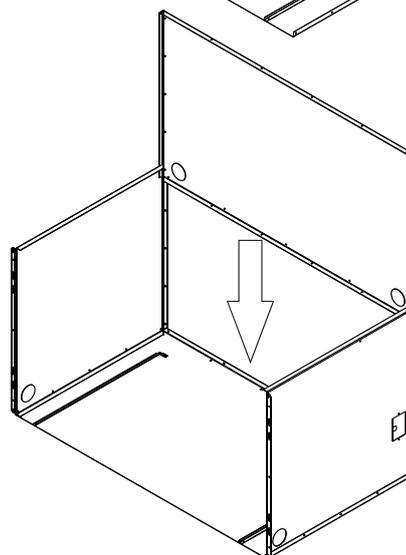
- 1x Top-Rear panel
- 1x Top-Front panel
- 2x Side panels
- 1x Rear panel
- 1x Base panel

14.1 **Attach the Sides to the Base:**  
Attach Side panels to Base, make sure Base panel flanges are on the outside, and the large flange of the Side panels faces the front.

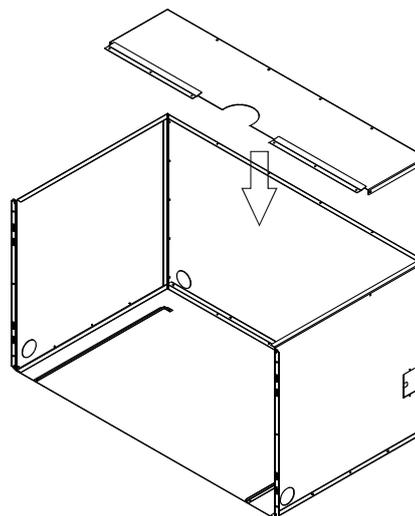


The Right Side has a rectangular cutout, It is important that this is on the right hand side and that the circular knock-outs are at the base of the Outer Skin Kit as pictured.

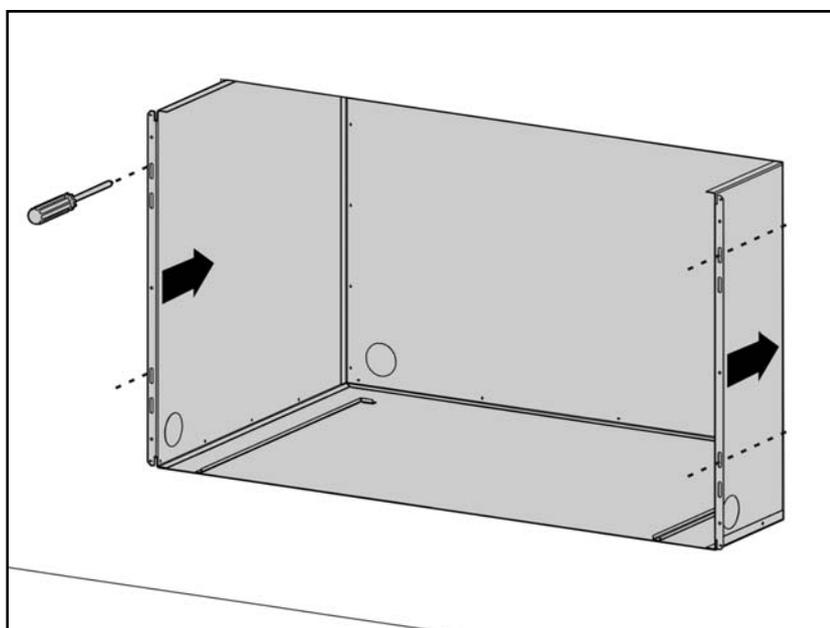
14.2 **Attach the Rear to the Sides and Base:**  
The rear panel fits inside the Side and Base panels, make sure the flanges on the Side and Base panels are on the outside. The two holes on the Rear panel go towards the bottom.



- 14.3 **Attach the Top-Rear:**  
Attach the top-rear panel to the Sides and Rear panels, with the flanges of the Top-rear panel on the outside. Do not attach Top-Front panel yet, this will be done after the flue has been mated with the fire.

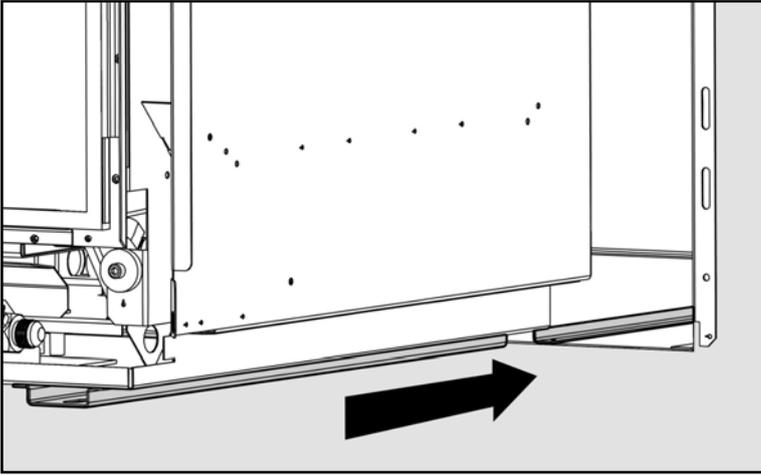


- 15.0 **Fixing the Outer Skin Kit into the Cavity:**  
Slide the Outer Skin Kit into the cavity, and secure it to the wall using screws or other fasteners through the slots at the front of the side panels.



The cavity is now ready for the installation of the Gas Fireplace.

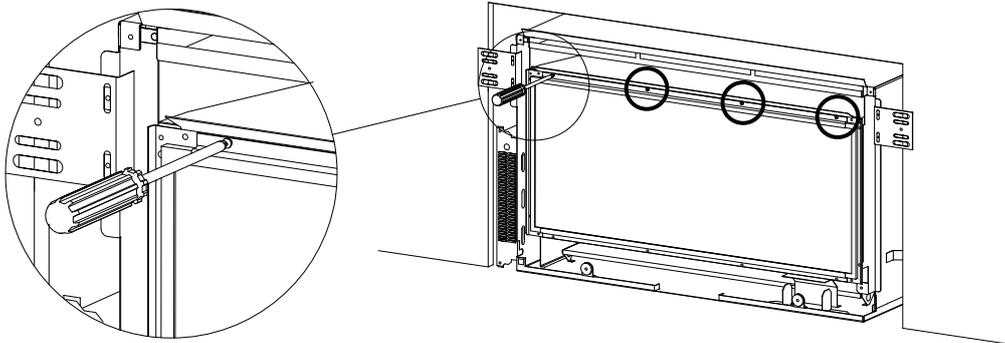
## 16.0 Gas Fireplace Installation:



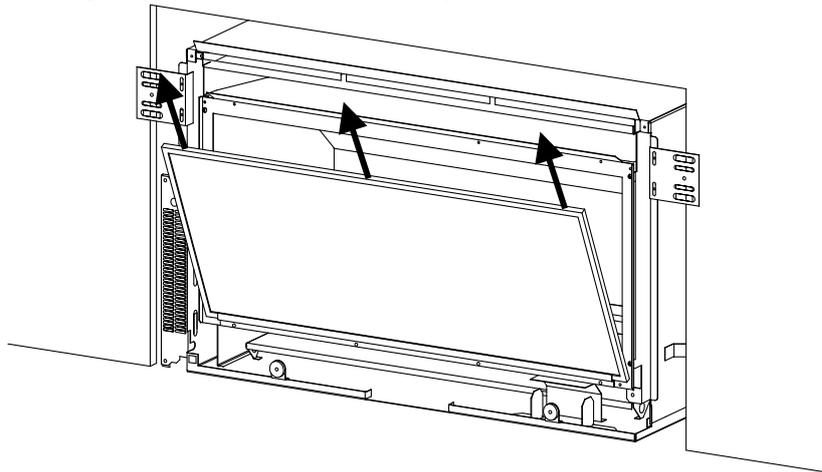
Attached to the base of the Outer Skin Kit are guide rails. The inside edge of these rails will line up with the outside edge of the two outer under base supports. When the parts are lined up, push the fire towards the back of the Outer Skin Kit until it cannot be pushed back any further. The front of the firebox should now be sitting flush with the OSK.

## 16.1 Removing the Front Glass:

**Step 1:** Unscrew the side (where fitted) and top glass retainers and remove them. Take care that the glass does not fall forwards at this stage

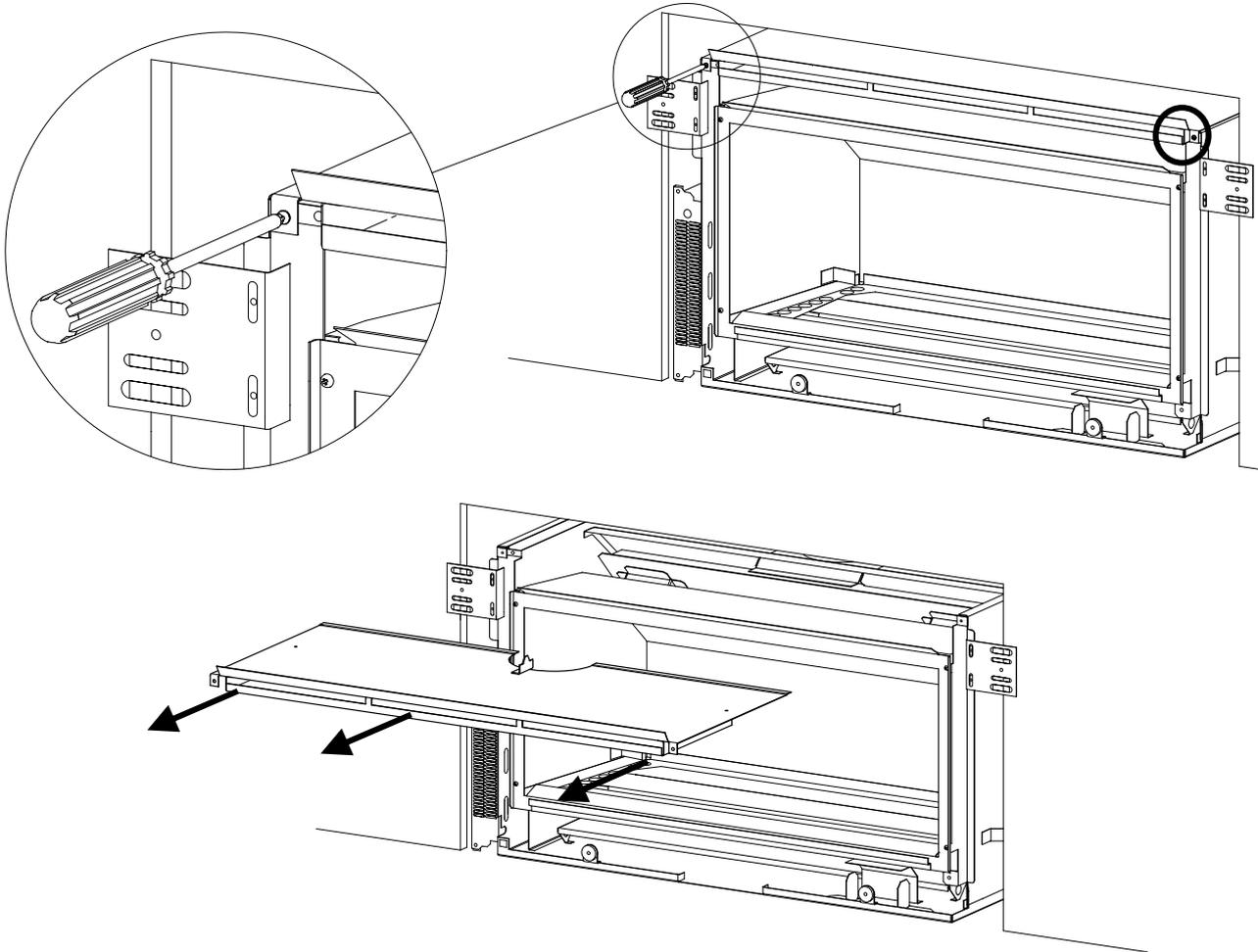


**Step 2:** Lift out glass and place it carefully aside.

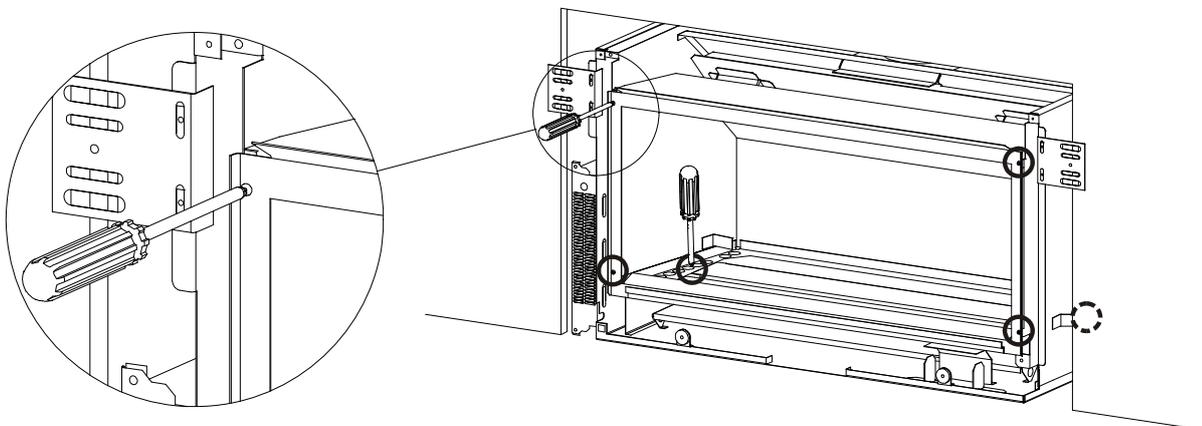


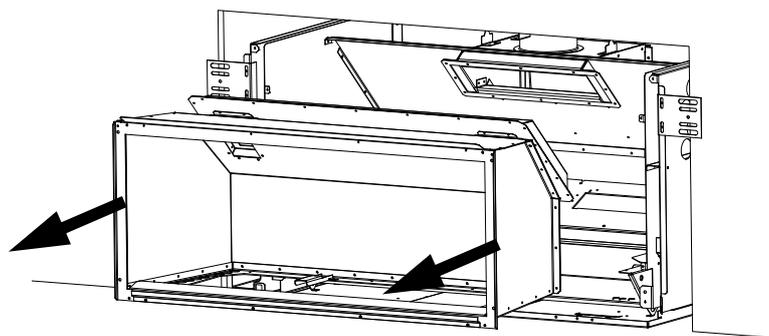
**Step 3:** Remove the top of the heater outer shell. Take out the screw from each side (as shown below), lift and pull the top of heater shell out towards yourself.

**Undo screws from both sides**

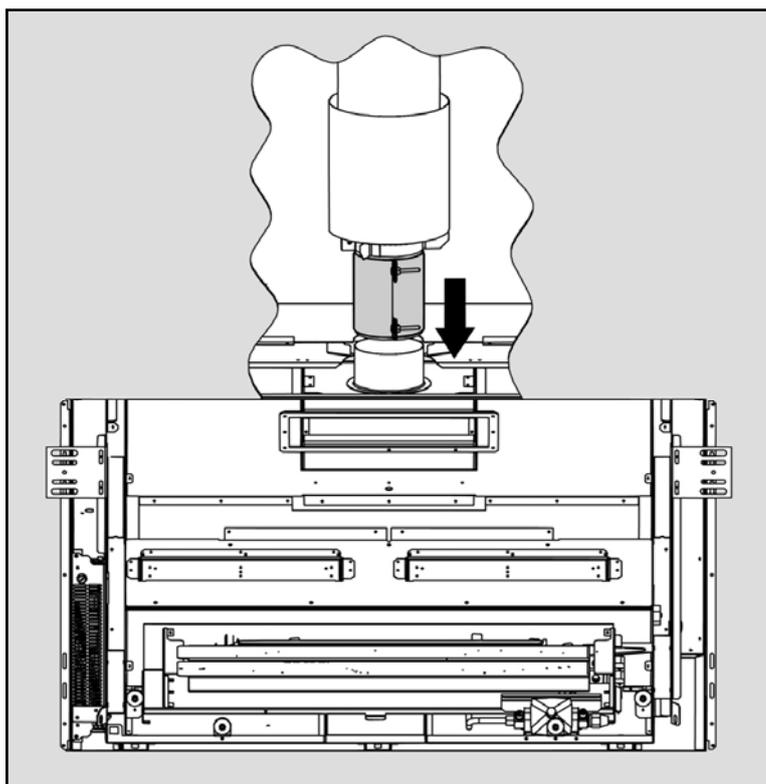


**Step 3:** For best access we recommend removing the fire box. Undo the four screws on the front four corners of the fire box and the two screws on the inside holding down the fire box (as shown below). Pull the fire box out of the heater.





### 17.0 Attaching the Flue to the Fireplace:



Once the gas fireplace has been inserted into the OSK and the firebox removed, the flue can be attached. To do this line up the 100mm flue with the flue outlet spigot and drop the flue into the spigot.

Note: To increase access through the fire to reach the flue connection, remove firebox and lid.

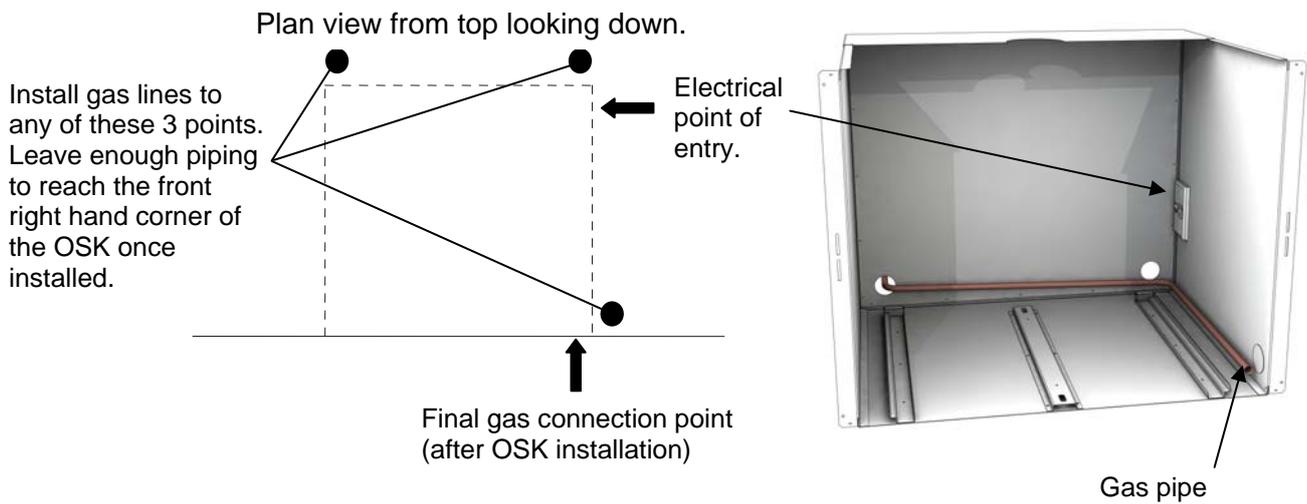
**Please consider how the fire will be fixed to the base before installing. Refer to 19.0 for details**

### 18.0 Connecting the Gas Pipe:

When the heater has been pushed back into position the gas pipe can be connected to the inlet side of the appliance regulator at the front RH corner of the heater. The pipe assembly should have already been tested as per section 22.0

18.1 The regulator that is supplied with the fire **MUST NOT BE REMOVED**. Removal of the regulator, or replacing it with one not intended for use with an Escea fire, will void the limited appliance warranty.

*Note: Refer to 13.2 for further gas pipe laying information as per diagram below*



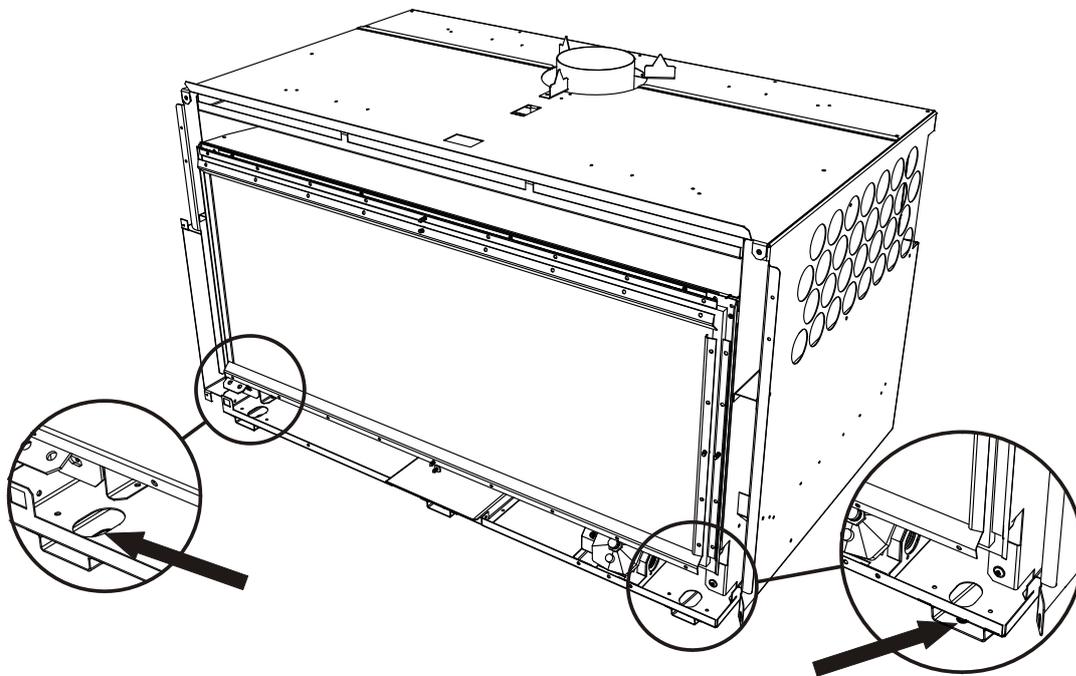
### 19.0 Fixing the Heater to the Base and Wall:

There are several ways that the heater can be fixed against movement: **It is a requirement that this heater be securely fastened to the wall and base.**

*Note: It is important that the outer fascia is used during this process to ensure that the heater is located in the appropriate position within the cavity.*

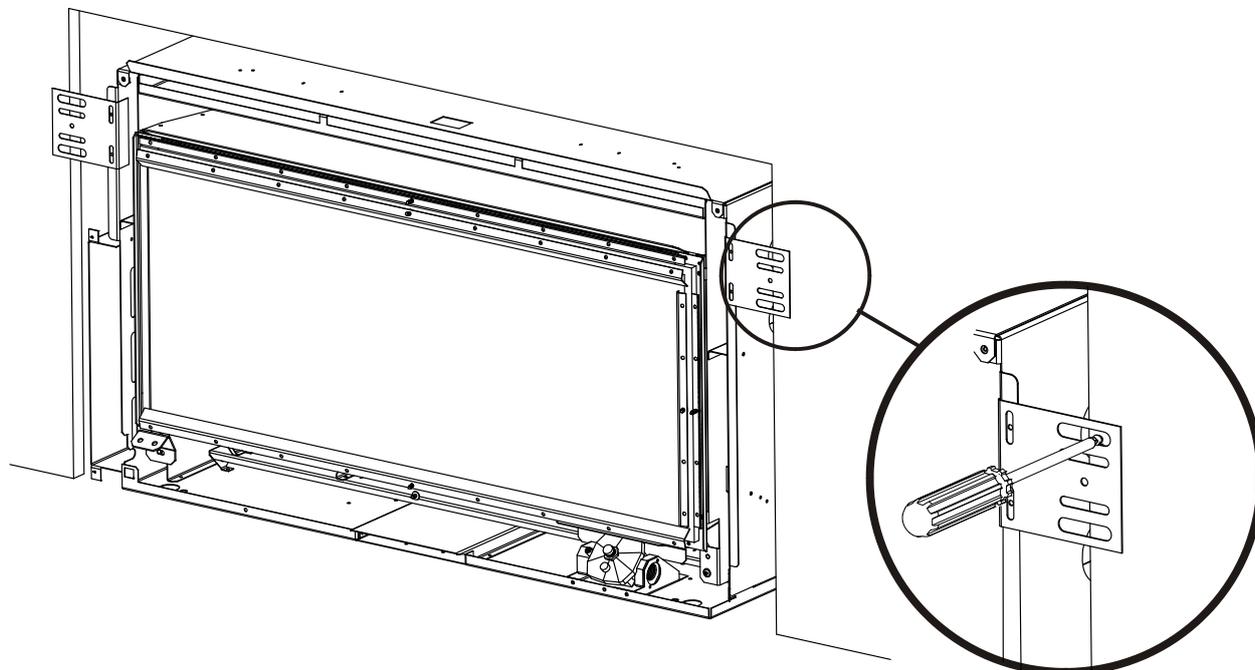
### 19.1 Fixing Heater to Base:

The heater has two holes along the front edge of the base panel that have been provided to allow installers to screw the heater to the floor. Because of a lack of access for drilling it may be necessary to mark the appropriate location for these screws and then remove the heater and drill holes through the bottom of the Outer Skin Kit into hard flooring. Alternatively a socket set can be used to drive in hex headed screws.



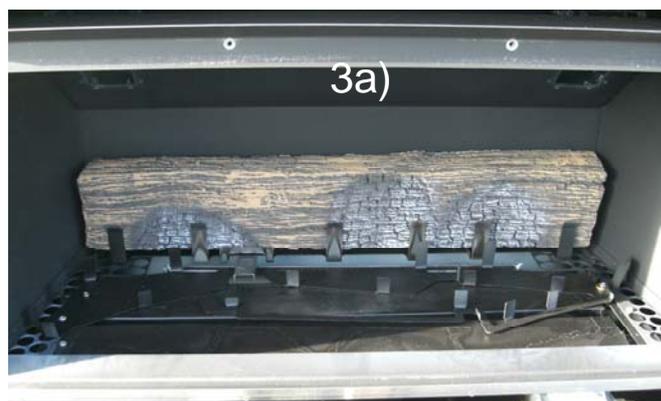
### 19.2 Fixing Heater to Wall:

The installer must also fix the heater to the sides of the cavity using the bracket kit provided. These brackets are attached through the flanges on the side of the Outer Skin Kit. The flanges of the Outer Skin Kit must be installed over the outer lining surface of the wall i.e. over the Plaster Board rather than onto a stud which is then subsequently covered with a wall lining. Otherwise the fire will be sitting too far back and will inhibit the outer Fascia panel from fitting correctly.

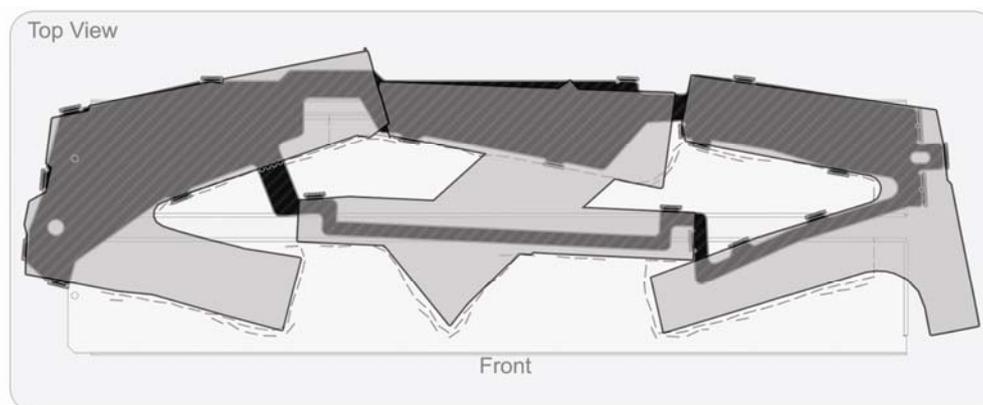


## 20.0 IB850: Locating the Log Set After Replacing the Firebox:

- 1) Remove packaging from around log sets
- 2) Place rear log (long rectangular one) into position by inserting it in behind retainer bracket at rear of fire box.
- 3) Place front three log sets into position on the log retaining brackets, over the top of the main burners. The front edge of each log should be located so that its front edge is directly behind the holes in the top of each burner which should follow the contours of the logs.



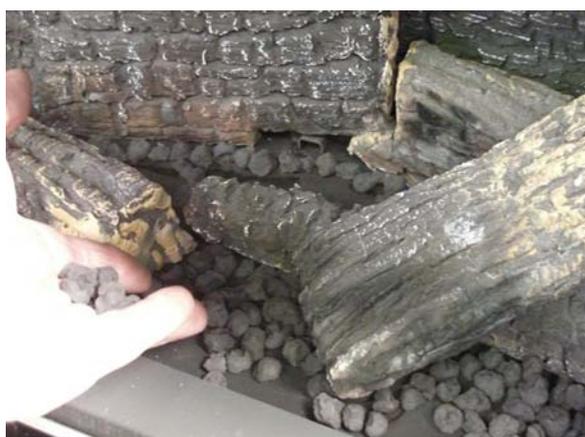
Align logs to burner holes.



IB850 Log & Template Position



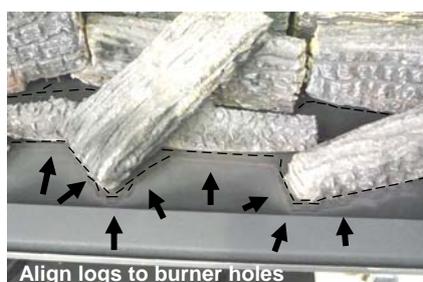
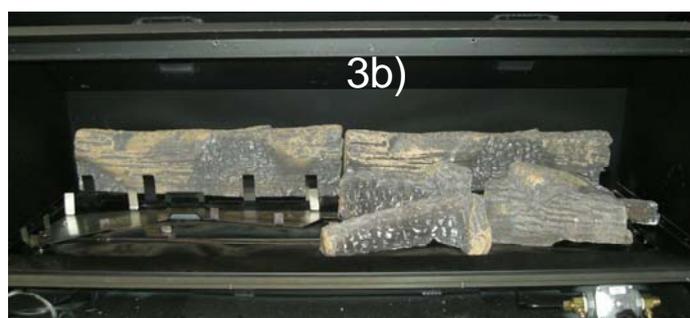
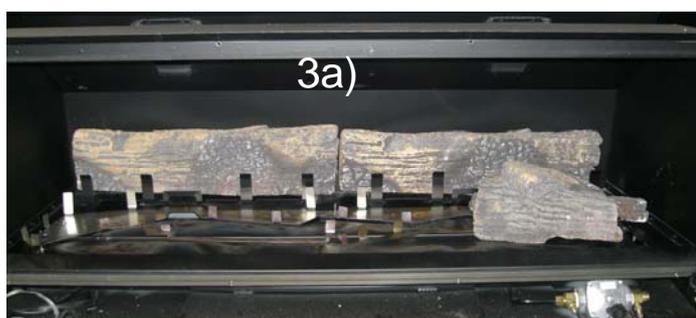
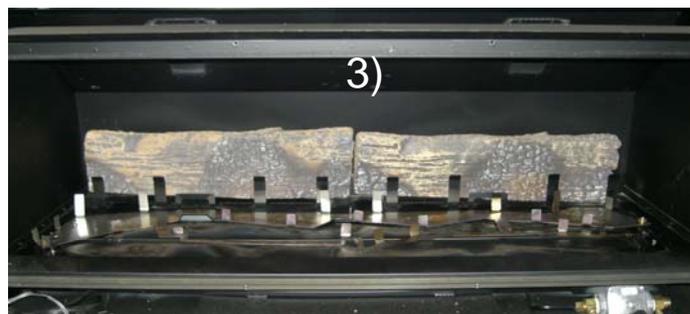
- 4) Line up some of the coals that have been supplied with this appliance, along the burner holes in front of the logs.



- 5) Scatter the remaining coals around to fill the empty spaces left over.

## 20.1 IB1100: Locating the Log Set After Replacing the Firebox:

- 1) Remove packaging from around log sets
- 2) Place rear logs (2 x long, rectangular logs) into position by inserting them in behind retainer brackets.
- 3) Place front four log sets into position on the log retaining brackets, over the top of the main burners. The front edge of each log should be located so that its front edge is directly behind the holes in the top of each burner (with approximately 5mm clearance) which should follow the contours of the logs.



- 4) Cover empty spaces around logs on the front burner ONLY with small coals as provided. It is important that coals are not placed on the rear burner at all.

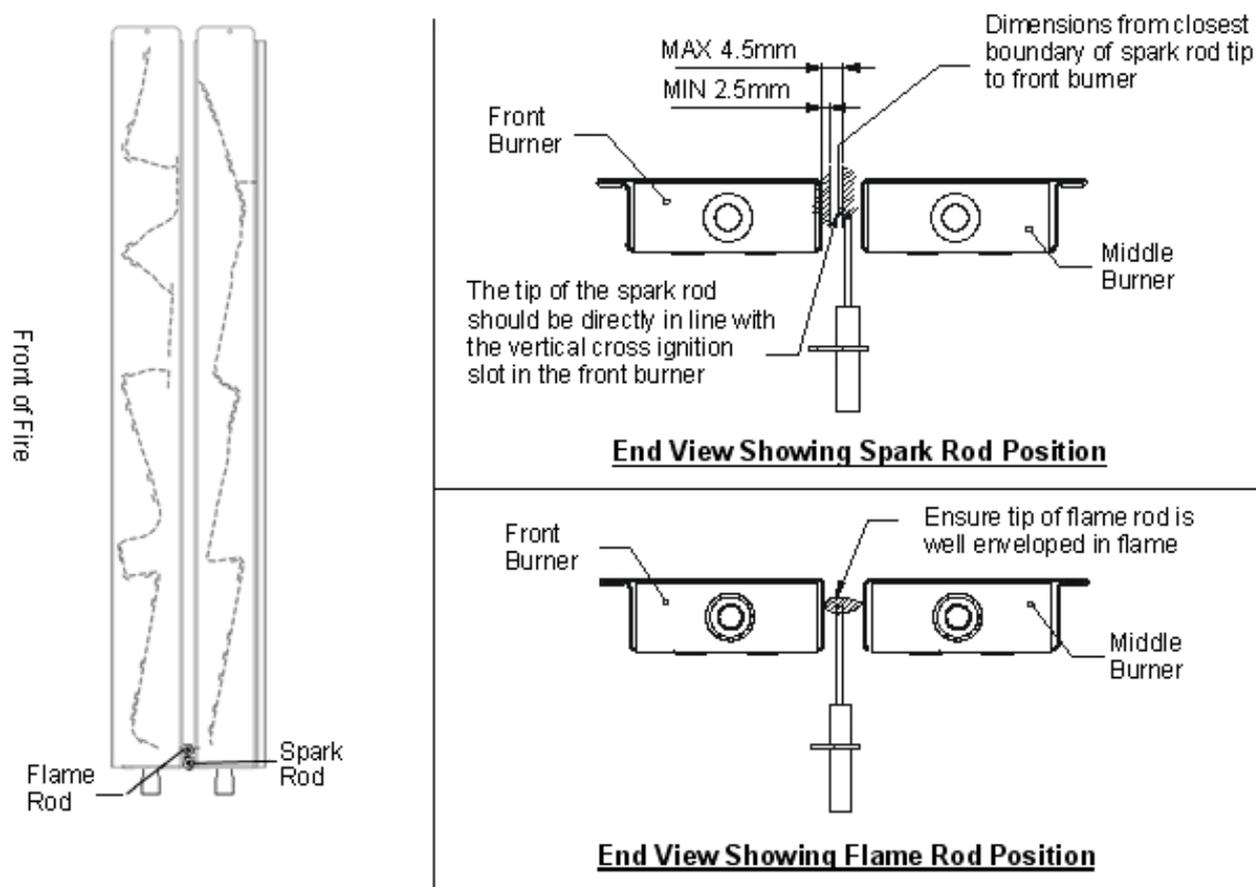
## 20.2 Log Replacement:

The fire unit should never be used with broken logs. Turn off the fire and allow the unit to cool before removing the glass to carefully remove the logs. If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagrams above.

**Note: Improper positioning of logs may create carbon build-up and will alter the unit's performance. Malfunctioning due to improper log placement is not covered under warranty.**

## 21.0 Electrode Placement:

The placement of the electrodes is CRITICAL to the operation of the fire. These are factory set but if the event that they are moved during installation or the fire is having trouble lighting or staying lit then below is a guide to electrode placement. Ensure no logs or coals are touching the electrodes.

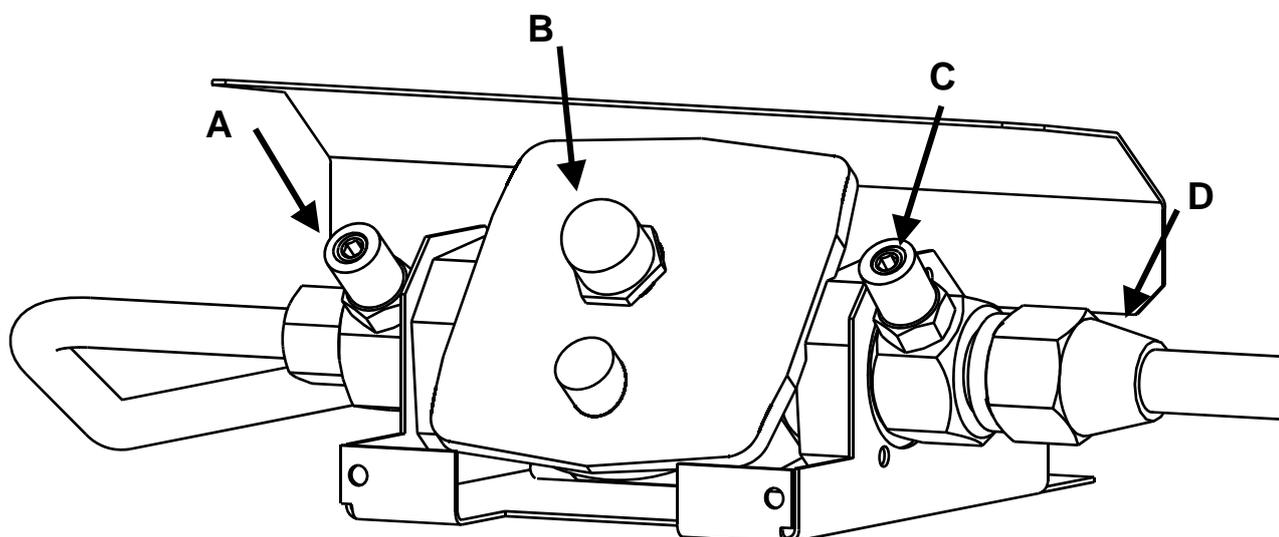


## 22.0 Checking Operating Pressure:

**WARNING:** The regulator that is supplied with the fire MUST NOT BE REMOVED. Removal of the regulator, or replacing it with one not intended for use with an Escea fire, will void the limited appliance warranty.

This is done at the regulator located at the front RH corner of the appliance.  
This is best done before the fascia panels have been fitted to avoid fascia damage.  
Pressure test points are available for both inlet and operating test pressure (as shown below).

- 1) Remove inlet pressure test point grub screw and attach manometer tube.
- 2) Run the heater on full (all burners running) and measure inlet pressure with all the other gas appliances running. If pressure does not fall within the maximum or minimum pressures listed on the table below then reassess installation pipe size or upstream regulator settings. Replace inlet test point grub screw.
- 3) Remove the operating pressure test point grub screw. Connect manometer tube and measure pressure with heater running on full (all three burners running) and with all the other gas appliances running.
- 4) The heater regulator pressure has been factory set to 0.87kPa for Natural Gas heaters and 2.30kPa for Propane heaters. Please check that the operating pressure is exactly as listed and if not, adjust screw in centre of regulator until pressure is correct.
- 5) Replace operating test point screw and leak test both test points.



**A** = Operating Pressure test point

**B** = Pressure adjustment screw

**C** = Inlet pressure test point

**D** = Inlet gas connection.

IB1100 and IB850 Pressure Table	Gas Type	
	Propane	Natural
Minimum Inlet Pressure	2.5kPa	1.2kPa
Maximum Inlet Pressure	5.0kPa	5.0kPa
Operating Pressure	2.30kPa	0.87kPa

**Note:** If this appliance cannot be adjusted to perform correctly during installation, please refer to the appliance distributor. For contact details of your local escea distributor or dealer please visit [www.escea.net](http://www.escea.net)

### 23.0 Fitting the Fascia Panels:

To avoid scratches or knocks to the fascia panels of this heater they must be fitted at the complete conclusion of the installation process. It may be necessary to use the outer fascia to initially locate the heater but then remove it again so that there is no chance of damage.

**Note:** Never Ever Rub the Fascia Panels.

**Step 1:** Replace the glass and retaining brackets.

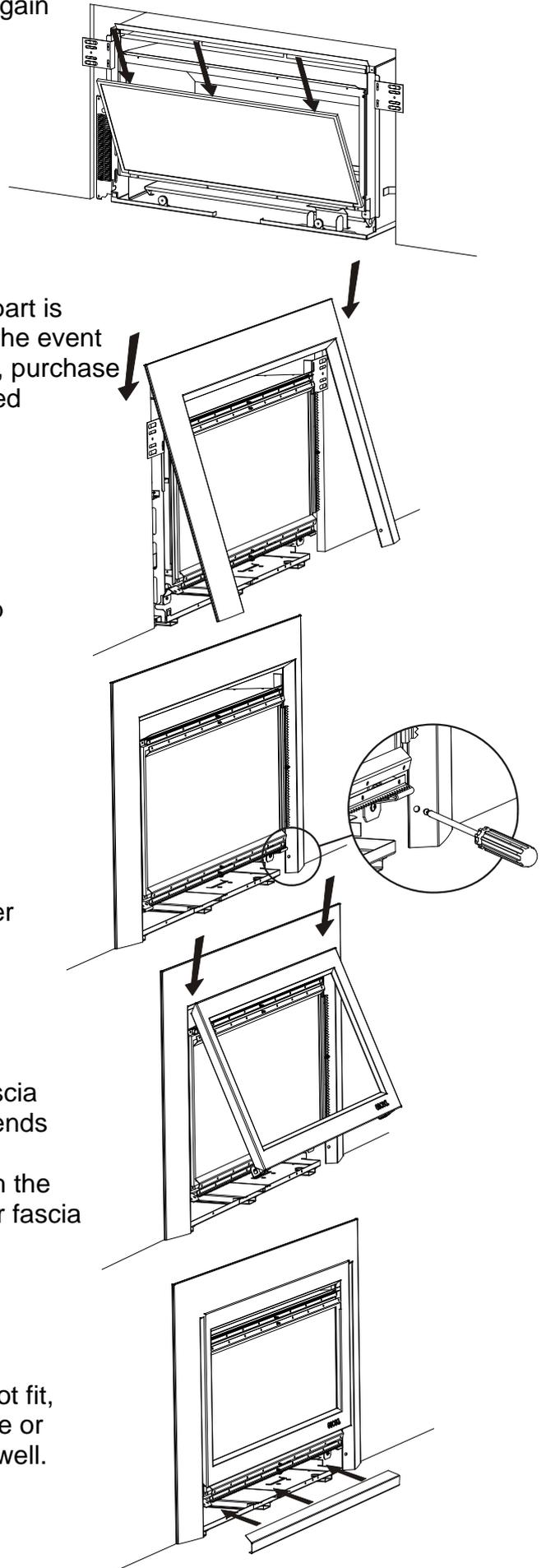
**Note:** If the glass gasket requires a replacement, call your nearest Escea agent who will ensure the part is replaced with the correct type. In the event that the glass is broken by impact, purchase the replacement from an authorised Escea agent only.

**Step 2:** Hang the outer fascia (larger one) from the lip that extends at the top of the heater at 45 degrees. If hanging a 4 sided fascia please Refer to sections 22.1 and 22.2 on the next page.

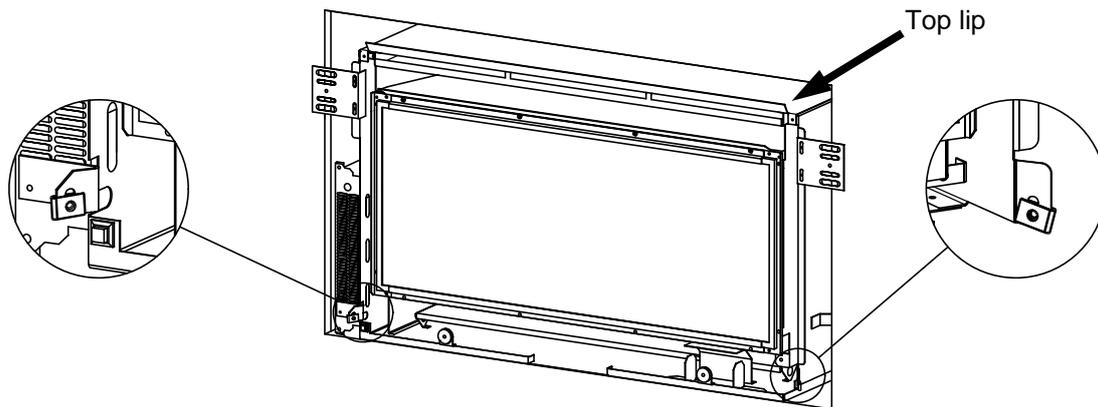
**Step 3:** Fit the two screws at the base of each side of this fascia. The heater may have to be adjusted in or out of the cavity to ensure fascia fits correctly.

**Step 4:** Hang the top edge of the inner fascia (smaller one) from the lip that extends at 45 degrees from the top of the firebox. Fit the two screws through the brackets at the bottom of the inner fascia to retain inner fascia panel.

**Step 5:** Place the bottom fascia trim into position. This panel is held on with magnets. If this panel does not fit, adjust the outer Fascia side to side or the heater in/out until the trim fits well.



- 23.1 When installing a 4 sided fascia ensure that the clips that the outer fascia screw into are at the bottom of the slot on which they are attached as shown below. The outer fascia should be pushed down onto the top lip so that it is as low as possible and the screw holes in the fascia line up with the lowered clips.



#### 24.0 Locating Wall Mount Cradle for Wireless Control;

The heater's remote contains the thermostat that will sense the room temperature and communicate this back to the heater via radio frequency.

A wall mount cradle has been provided for the wireless control and where possible the control should be housed in this cradle.

The location of this cradle should be decided by taking into account the following factors;

1. Simple, convenient access for the user
2. Away from air flow and drafts through the room
3. The parts of the room that people are likely to spend time
4. Away from direct sun light
5. A suitable distance away from the heater.
6. Ideally 1.2m to 1.5m from the floor

The radio frequency signal will go through some walls but for best results Escea suggest that the cradle position is between 5 and 15 metres away from the heater.

The best height off the ground to locate the cradle is about chest height. This gives a good average room temperature and easy access for the user.

Please ensure that cradle is screwed firmly onto wall using the screws provided.



## 25.0 Normal Operating Sounds and Smells;

**Note:** Each time the fire is lit from cold the glass may fog up with condensation. This is normal and the condensation will disappear within a few minutes once the glass heats up.

### 25.1 Sounds

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there various types of materials and parts used within your appliance. Listed below are some examples. These are all **normal operating sounds** and should not be considered as defects in your appliance.

#### **Fan:**

Escea gas appliances use electric fans to push heated air further into the room. It is not unusual for the fan to make a “whirring” sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan.

#### **Gas Control Valve:**

As the gas control valves turn ON and OFF, a dull clicking sound may be audible, this is the normal operation of a valve. When the fire is switched off after being run for a while, there may be popping and fluttering noises as the residual gas in the burner burns away. These are normal and should be no cause for concern.

#### **Unit Body/Firebox:**

Different types and thicknesses of steel will expand and contract at different rates resulting in some “cracking” and “ticking” sounds being heard throughout heating and cool down processes.

### 25.2 Smells:

The first few times the unit is operated, the unit may release an odour and the flames may appear orange caused by the curing of the paint, the burning off of the starch in the gas logs and the oils in the metal. This is a temporary curing process which will disappear with use.

A deposit on the inside of the glass, caused by the starch in the logs, may appear as a build up after several uses. If this film is not removed, it will bake on and may become difficult to remove. When the glass is cold, remove it (see section 16.1) and clean the inside with a non-abrasive cleaner.

**DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT. NEVER OPERATE THE UNIT WITH THE GLASS REMOVED.**

## 26.0 Installation Check List:

Tick here

- 1 Ensure there is adequate ventilation in the masonry cavity.
- 2 Ensure the spark electrodes are correctly positioned.
- 3 Operating pressure checked with heater running on full (all burners operating) and all other gas appliances in the house switched on.
- 4 Flue Draw checked, 5 minutes after start up.
- 5 Logs in correct position.
- 6 Coals spread along front burner.
- 7 Heater run on high for 60 minutes with house doors and windows open to clear smell of paint and oils on initial burn.
- 8 Hearth and mantle clearances comply with these instructions
- 9 No combustible materials any closer to heater than these instructions allow.
- 10 Heater fixed to wall and floor.
- 11 Leak test all joints and pressure test points. Soapy water drop test done on pipe work.
- 12 Wall mount cradle screwed to wall.
- 13 House holder has been shown how to operate heater.
- 14 Operator manual has been left out for house holder, installer has filled in their own details and heater serial number into warranty card.
- 15 Inform the customer that the fire may continue smelling for a while after installation depending on frequency & duration of use
- 16 Given House Holder Plumbing Industry Commission Compliance Certificate.