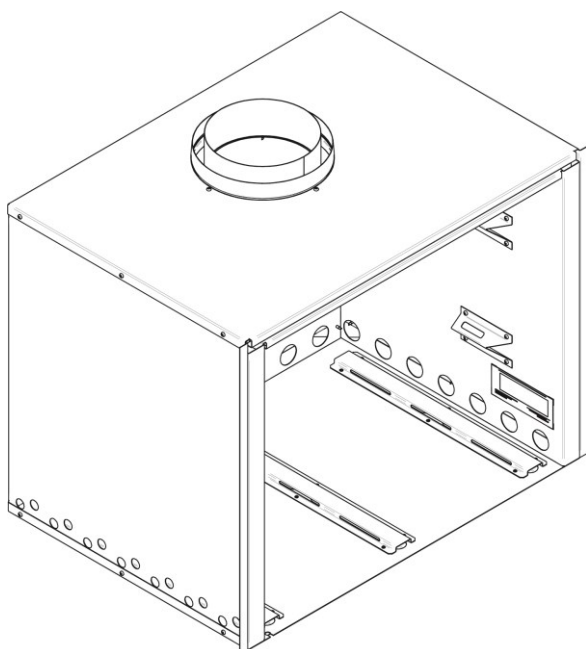


INSTALLATION INSTRUCTIONS

INSPIRE 2000-I WOOD INBUILT ZERO CLEARANCE KIT OA10371



THIS OSBURN INSPIRE ZERO CLEARANCE KIT HAS BEEN TESTED WITH OUR ORIGINAL OSBURN 2000-I WOOD INBUILT. THE INSTALLATION OF ANY OTHER ZERO CLEARANCE KIT WILL VOID THE WARRANTY.

**Distributed by
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READ AND KEEP THIS MANUAL FOR REFERENCE

TABLE OF CONTENT

1	Zero Clearance Kit Contents.....	4
2	Zero Clearance Kit Specifications	6
3	Safety Information	7
4	Regulations Covering Wood Inbuilt Installations.....	8
5	Assembly.....	9
6	Installation.....	15
6.1	Positioning the Unit	15
6.1.1	Framing	15
6.1.2	Floor Protection	18
6.1.3	Finish	18
7	The Flue System	20
7.1	Suitable Flue Systems	20
7.2	Triple Skin Flue Kit Installation	20
7.3	Minimum Flue System Height	20
	Appendix 1: Narrow Faceplate (U shape) Installation (Optional).....	21
	Appendix 2: Narrow Faceplate Installation (Optional)	23

KEEP THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE.

In the pages that follow, we will give you technical specifications regarding the installation of the INSPIRE 2000-I inbuilt with this zero clearances kit.

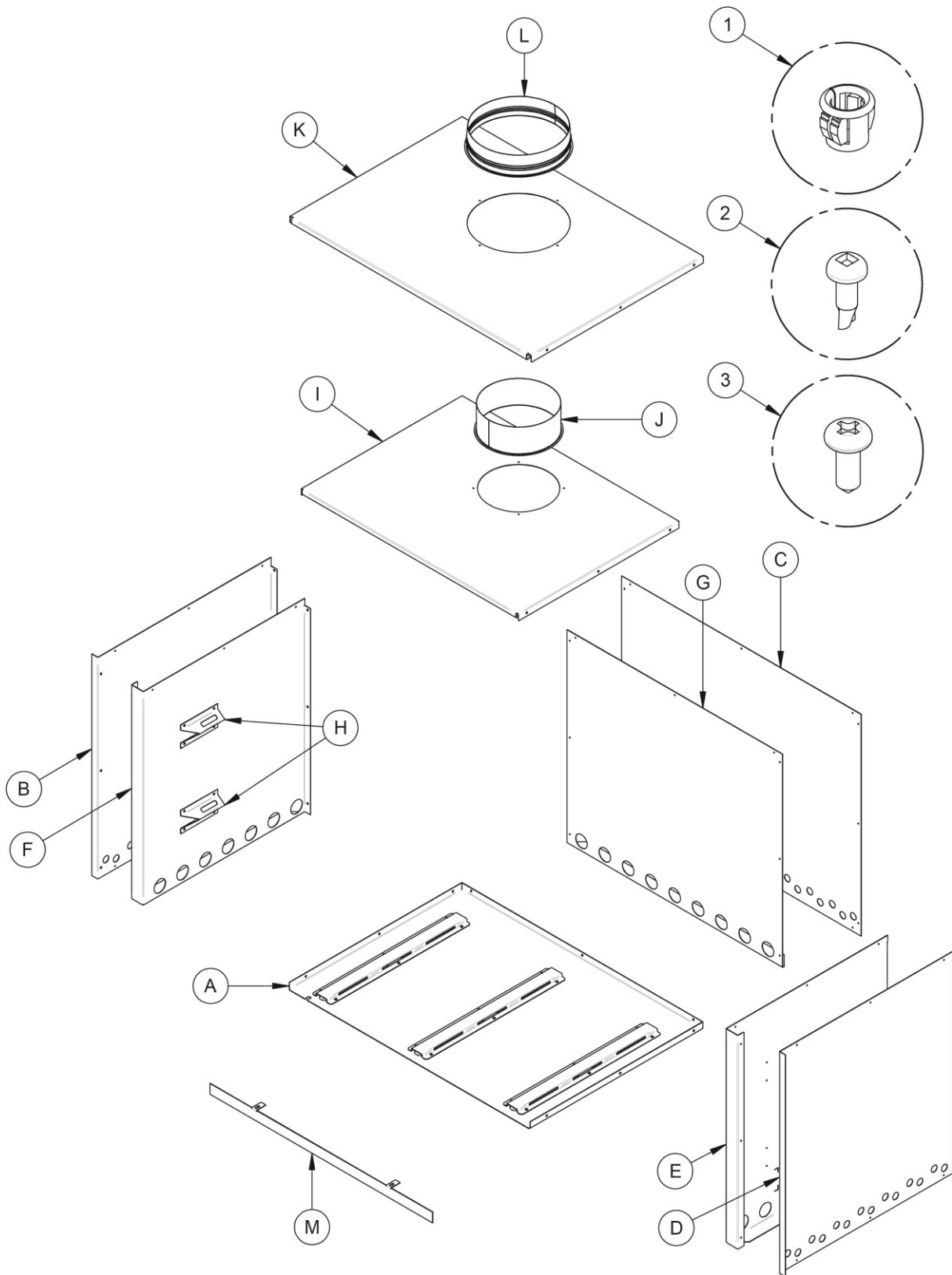
The following instructions comply with AS/NZS 4012/4013 (1999) and AS/NZS 2918:2001 standards.

Please read this entire manual before you install and use your new wood inbuilt. Failure to follow instructions may result in property damage, bodily injury, or even death. It is important that you follow the installation guidelines exactly.

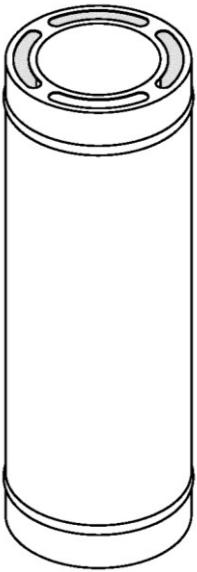
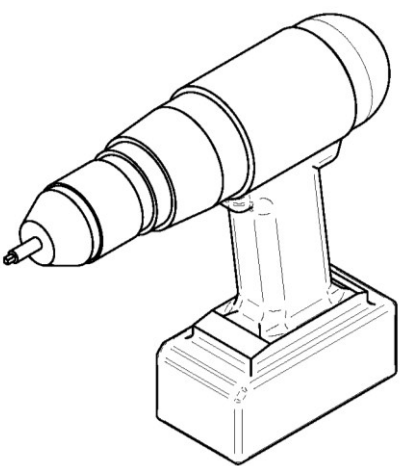
Consult your local city, borough or shire council about restrictions and installations requirements in your area and the need to obtain a permit.

This heating unit is designed to serve as a supplementary heat source. We recommend that a primary heat source also be available in the home. The manufacturer cannot be responsible for costs associated with the use of another heating system.

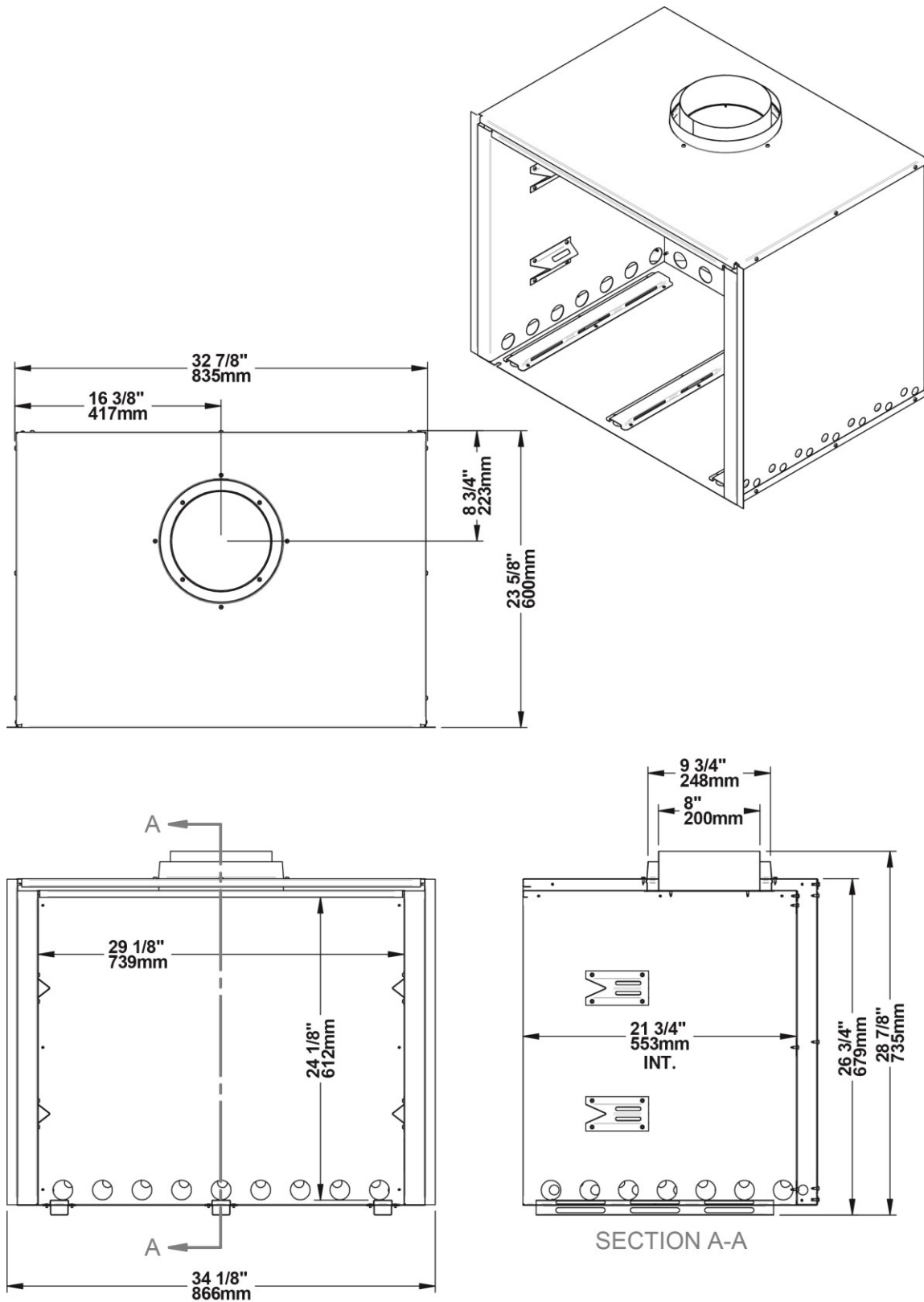
1 ZERO CLEARANCE KIT CONTENTS



#	Item	Description	Qty
A	SE65916	BOTTOM CASING PANEL ASSEMBLY	1
B	PL65947	LEFT JACKET PANEL	1
C	PL65945	REAR JACKET PANEL	1
D	PL65946	RIGHT JACKET PANEL	1
E	PL65949	RIGHT CASING PANEL	1
F	PL65950	LEFT CASING PANEL	1
G	PL65951	REAR CASING PANEL	1
H	PL36192	CASING GUIDE	4
I	PL65952	TOP CASING PANEL	1
J	49111	INNER RING	1
K	PL65948	JACKET TOP PANEL	1
L	49112	OUTSIDE RING	1
M	PL65954	BLACK METALLIC STRIP COVER	1
1	30090	BLACK NYLON OPEN/CLOSED BUSHING	1
2	30153	METAL SCREW #8 X 1/2" PAN QUADREX TEK BLACK SELF DRILLING	70
3	30131	BLACK METAL SCREW #10 X 1/2" TYPE "A" PAN QUADREX	2

Required parts (not included):	Required tools for installation
	
Triple Skin Flue System	Powered driver

2 ZERO CLEARANCE KIT SPECIFICATIONS



3 SAFETY INFORMATION

- **DISCONNECT THE FAN'S ELECTRIC POWER BEFORE SERVICING.**
- **THE INFORMATION GIVEN ON THE CERTIFICATION LABEL AFFIXED TO THE APPLIANCE ALWAYS OVERRIDES THE INFORMATION PUBLISHED, IN ANY OTHER MEDIA (OWNER'S MANUAL, CATALOGUES, FLYERS, MAGAZINES AND WEB SITES).**
- **MIXING OF APPLIANCES OR FLUE-SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.**
- **CRACKED AND BROKEN COMPONENTS, E.G. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.**
- **CONNECT A WOOD INBUILT IN CONJUNCTION WITH THIS ZERO CLEARANCES KIT ONLY TO A TRIPLE SKIN FLUE KIT FOR USE WITH SOLID FUEL CONFORMING TO NATIONAL AND LOCAL BUILDING CODES.**
- **USE SMOKE DETECTORS IN THE ROOM WHERE YOUR WOOD INBUILT IS INSTALLED.**
- **IF REQUIRED, A SUPPLY OF COMBUSTION AIR SHALL BE PROVIDED TO THE ROOM OR SPACE.**
- **KEEP FURNITURE AND DRAPES WELL AWAY FROM THE WOOD INBUILT.**
- **DO NOT CONNECT TO OR USE IN CONJUNCTION WITH ANY AIR DISTRIBUTION DUCTWORK UNLESS SPECIFICALLY APPROVED FOR SUCH INSTALLATION.**
- **DO NOT CONNECT THIS UNIT TO A FLUE OR FLUE SYSTEM SERVING ANOTHER APPLIANCE.**

4 REGULATIONS COVERING WOOD INBUILT INSTALLATIONS

IT IS RECOMMENDED THAT THE INSTALLATION OF YOUR OSBURN WOOD INBUILT AND ITS ZERO CLEARANCES KIT BE CARRIED OUT BY A QUALIFIED SPECIALIST INSTALLER. IF ANY ELECTRICAL WORK IS REQUIRED, IT MUST BE CARRIED OUT BY A LICENSED ELECTRICIAN.

WARNING: The instructions pertaining to the installation of your wood inbuilt with the zero clearances kit comply with the AS/NZS 2918:2001 standard. **THE APPLIANCE AND FLUE SYSTEM MUST THEREFORE BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918:2001 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.**

WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4012/4013 (1999) WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING “TESTED TO AS/NZS 4012/4013 (1999)”.

ANY MODIFICATION OF THE APPLIANCE OR OF THE ZERO CLEARANCES KIT THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4012/4013 (1999).

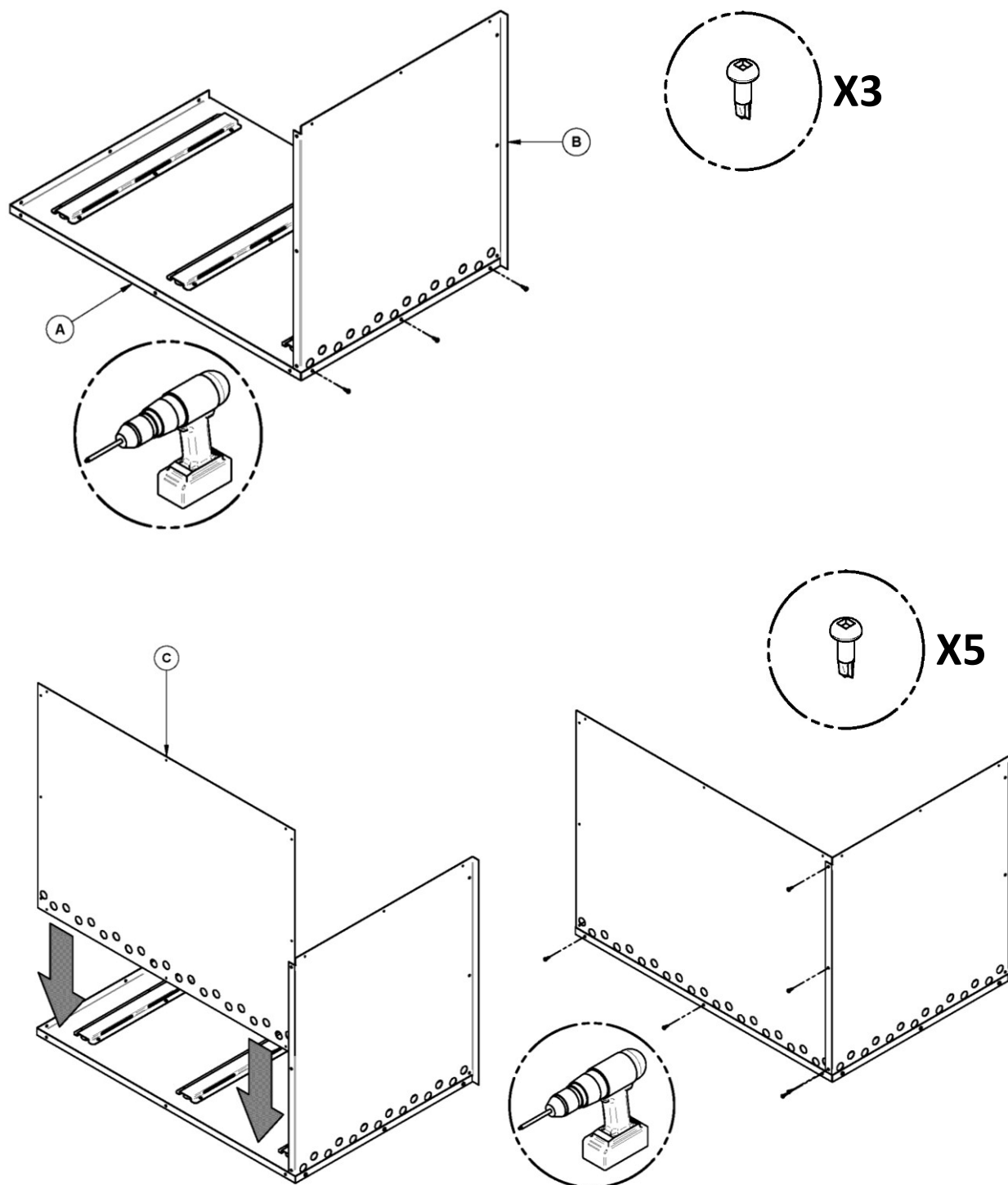
The information given on the certification label affixed to the appliance always overrides the information published in any other media (owner’s manual, catalogues, flyers, magazines and web sites), it is important to refer to it in order to have a safe and compliant installation. In addition, you will find information about your wood inbuilt (model, serial number, etc.). You can find the inbuilt certification label on the right-hand side, on the air jacket.

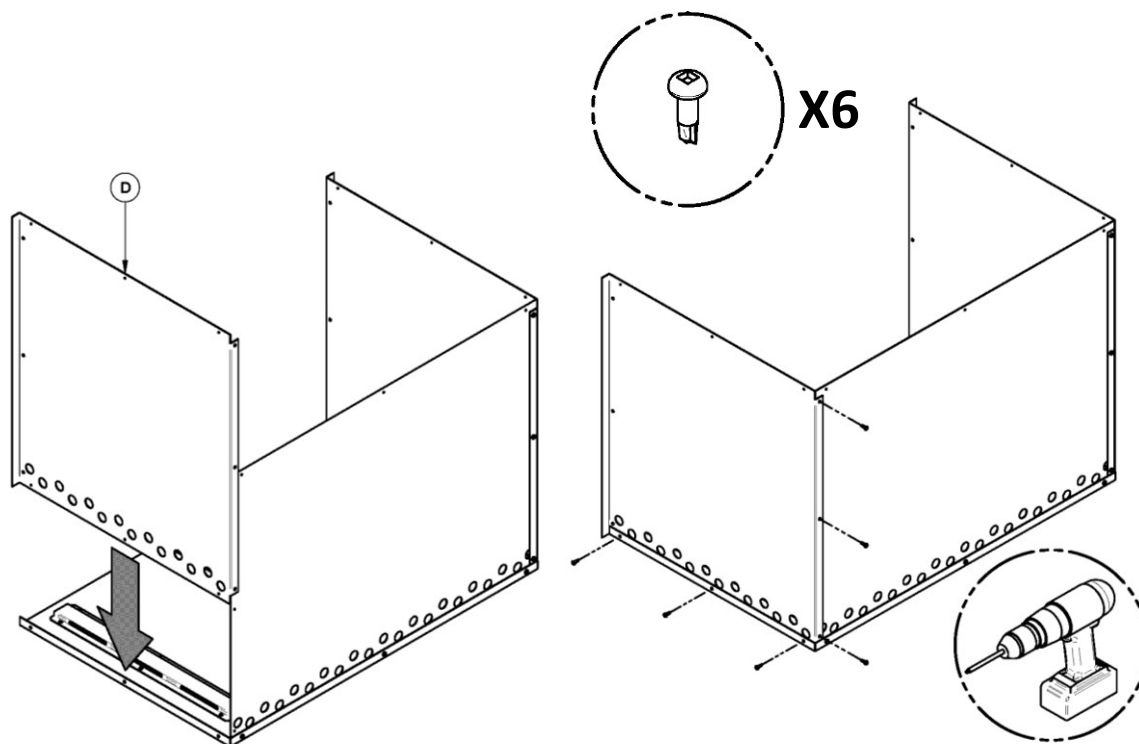
When installed, to access the certification label, the faceplate and the wood inbuilt may need to be removed. Therefore, we recommend that you note the serial number on this manual, since it will be needed to precisely identify the version of the appliance in the event you require replacement parts or technical assistance.

SERIAL NUMBER : _____

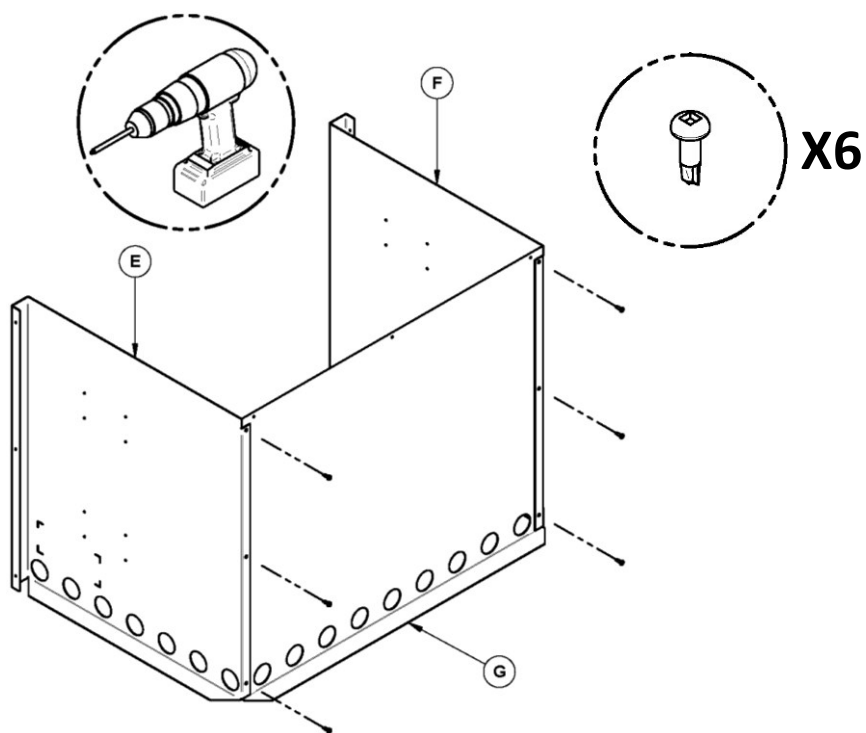
5 ASSEMBLY

Assemble the bottom casing panel **(A)**, the left jacket panel **(B)**, the rear jacket panel **(C)** and the right jacket panel **(D)** with the screws **(2)** provided with the zero clearance kit.

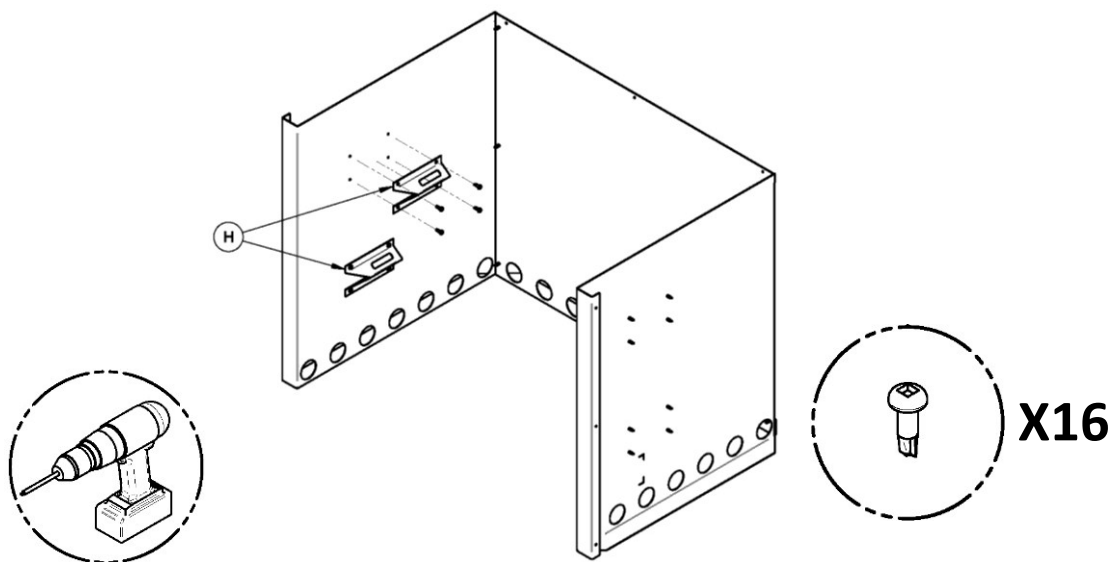




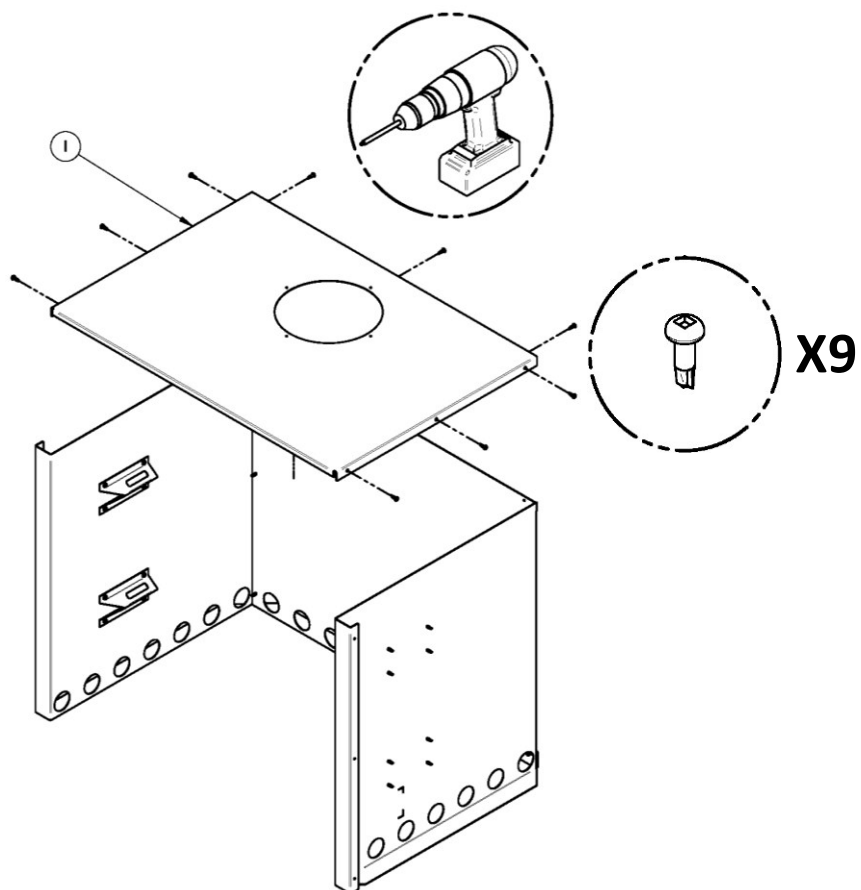
Assemble casing panels (E), (F) and (G).



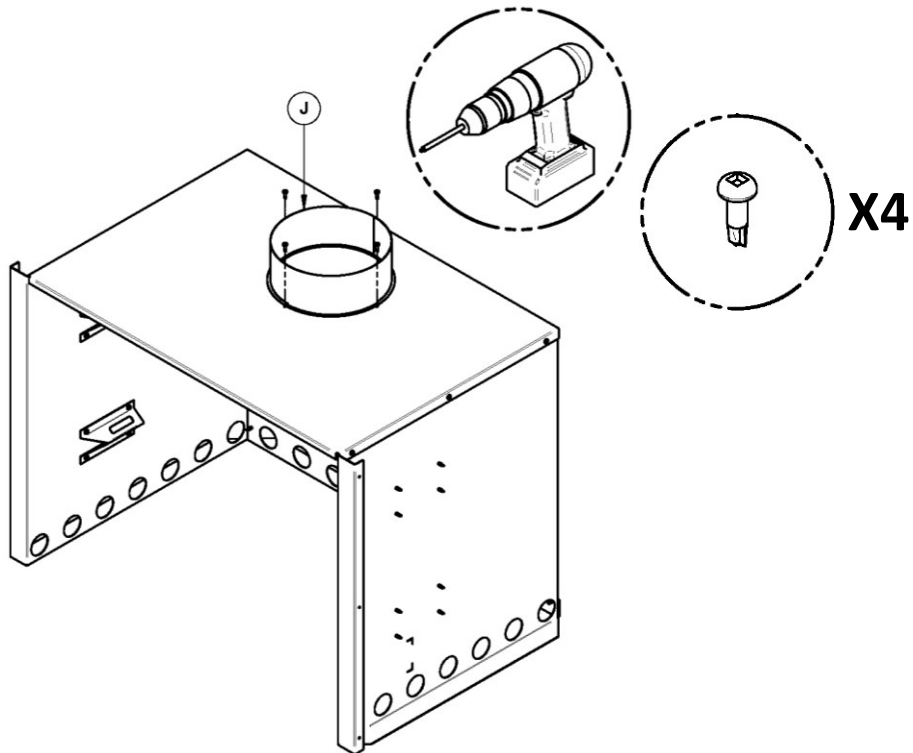
Install the four casing guides (**H**), two on each side.



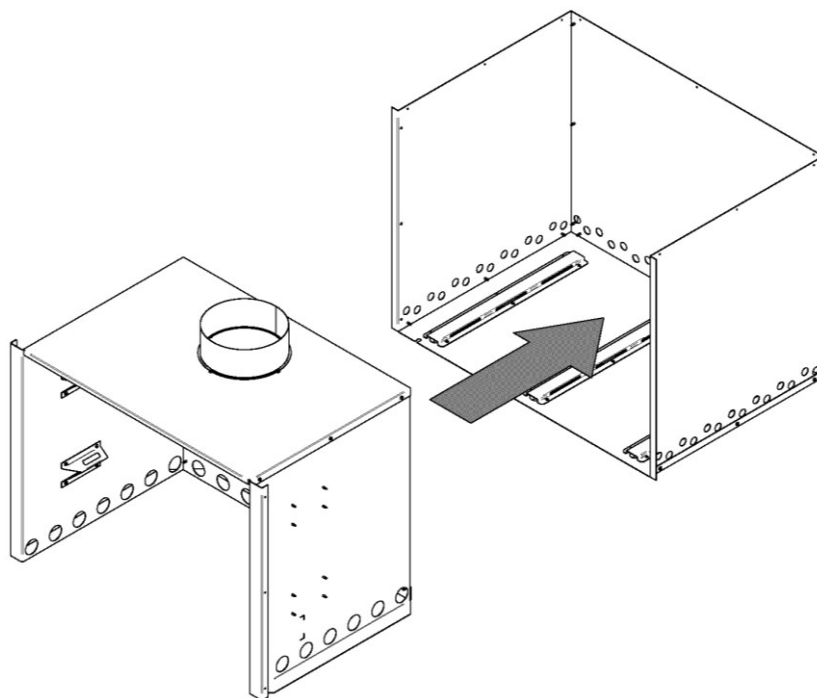
Secure the top casing panel (**I**) to the assembled sides.



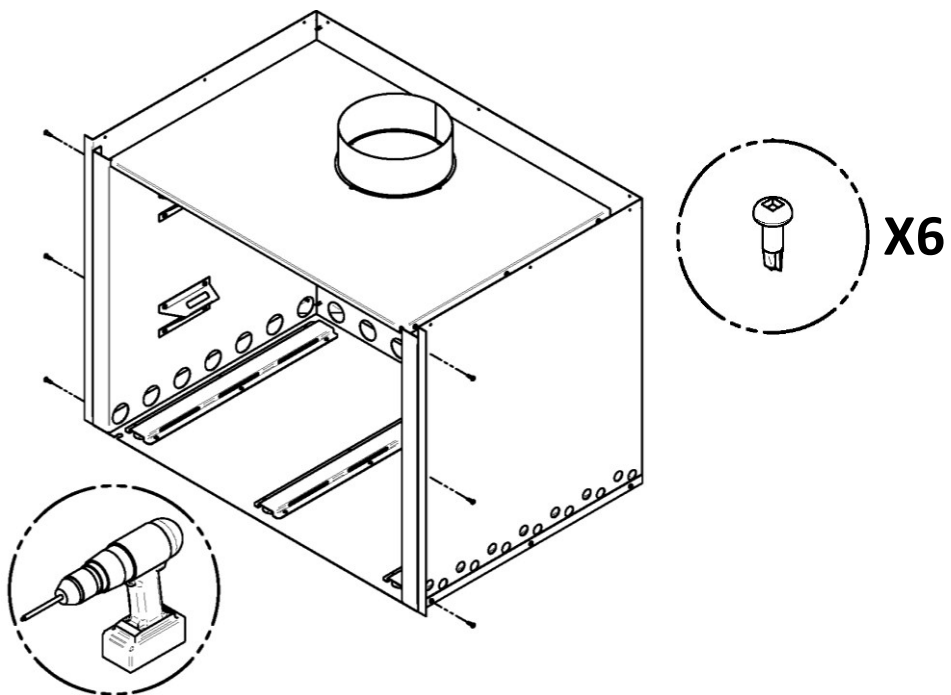
Assemble the inner ring (**J**) to the casing.



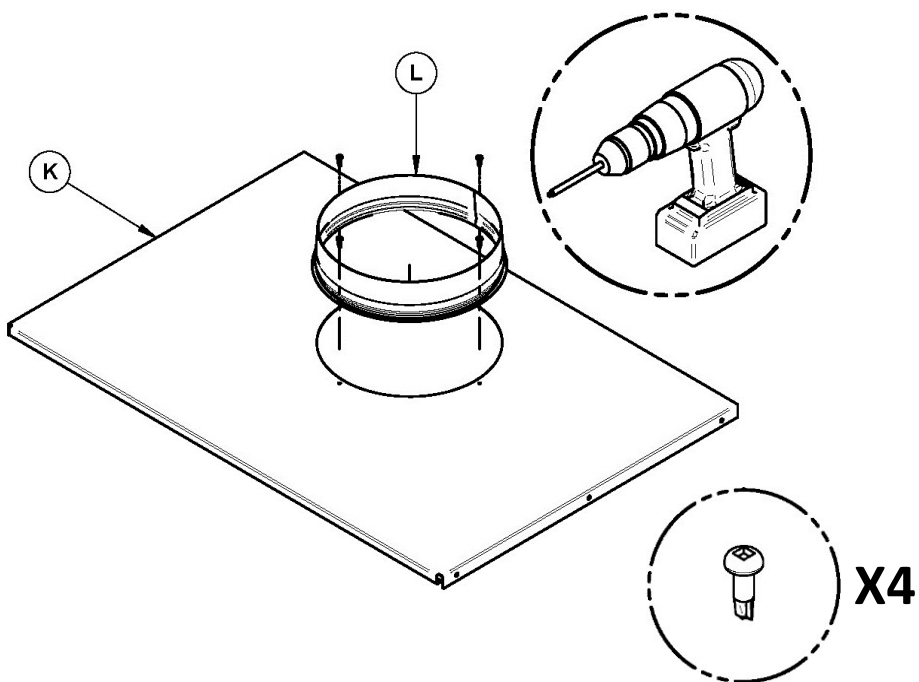
Slide the casing inside the jacket.



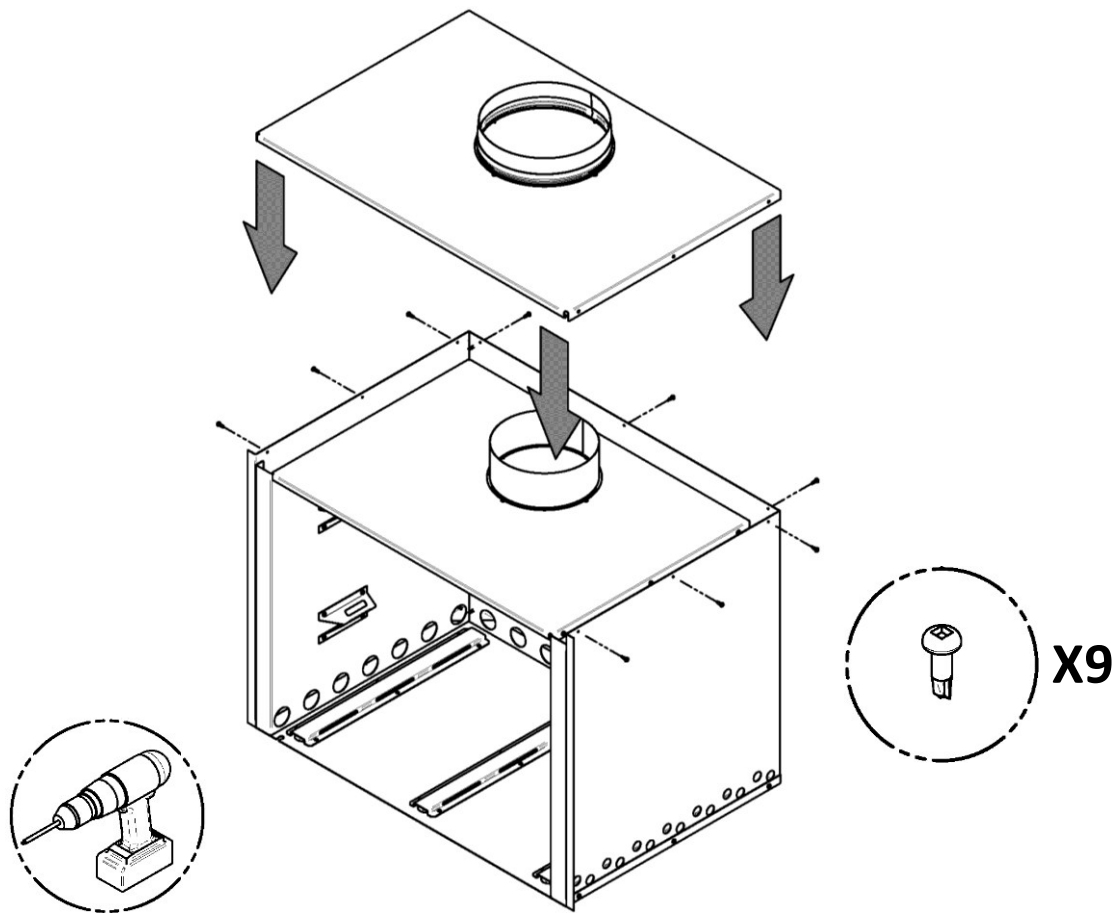
Secure the casing to the jacket.



Assemble the outside ring (**L**) to the jacket top panel (**K**).



Assemble the jacket top panel with the jacket.



6 INSTALLATION

The clearances shown in this section have been determined by tests according to procedures set out in safety standards AS/NZS 2918:2001. When the wood inbuilt inside this zero clearances kit is installed so that its surfaces are at or beyond the minimum clearances specified, combustible surfaces will not overheat under normal and even abnormal testing protocol conditions.

No part of the wood inbuilt may be located closer to heat-sensitive materials than the minimum clearances in figures given.

6.1 POSITIONING THE UNIT

Prior to determining where you are going to install the unit, verify that the flue casing can pass through ceiling space without requiring the removal of essential roof or ceiling support beam. Also, consult the clearances in this section to ensure that you respect the distance to heat-sensitive materials in every case.

Once you have determined a suitable location for the appliance, cut a square hole through the ceiling making sure that it is centered with the flue of the unit using a plumb line (see **Section 1** for dimensions).

6.1.1 FRAMING

The construction of the framing, facing, and mantel must be in accordance with the standards and the following illustrations:

A. Frame wood inbuilt inside the zero clearances kit using 5 cm x 8 cm (2" x 3") or heavier lumber.

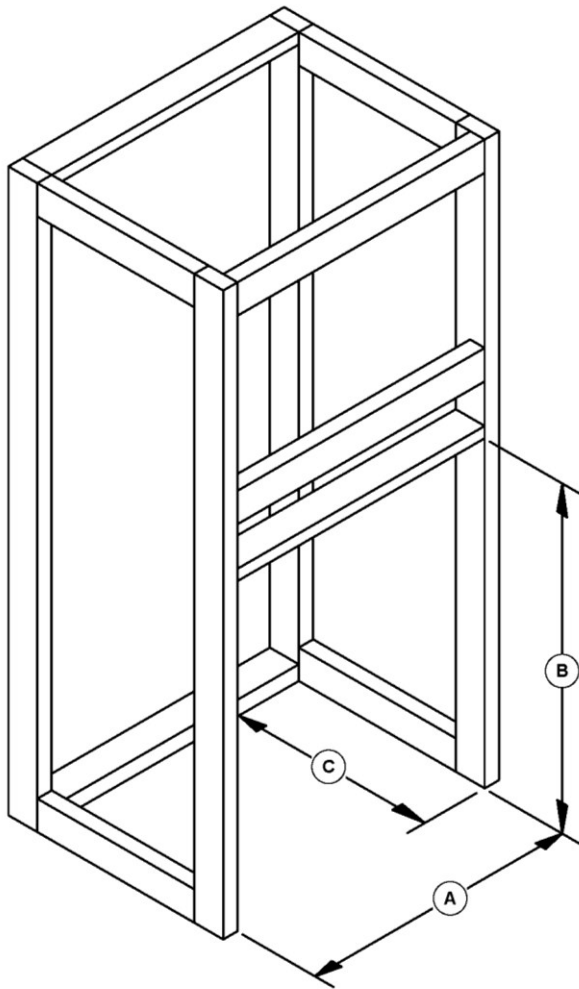
WARNING: HEAT SENSITIVE FRAMING MATERIAL CANNOT BE USED IN THE SPACE DIRECTLY ABOVE THE WOOD INBUILT AND ITS ZERO CLEARANCES KIT, EXCEPT FOR THE STUDS ABOVE THE FACING THAT SUPPORT THE FACING MATERIAL AND MANTEL. THIS AREA MUST REMAIN EMPTY UP TO THE CEILING. THE FIRST INTERNAL WALL STUD SHALL BE NO CLOSER THAN 150 MM TO THE APPLIANCE AND NO CLOSER THAN 80 MM TO THE APPLIANCE FLUE OUTER CASING.

B. Build the frame for the zero clearances kit with vertical studs at the sides running from floor to ceiling (see **Figure 6.1.1**). Position the stud's back from the front edge of the wood inbuilt inside the zero clearances kit, a space the thickness of the facing material so that the facing can be installed flush with the wood inbuilt inside the zero clearances kit facing (within limitations of **Figures 6.1.4 (a)**). Frame headers between the vertical studs only as follows:

- Place 45 mm x 90 mm headers, only along the upper part of the front, side and back faces. Do not put wood or any combustible material within the area above the wood inbuilt inside the zero clearances kit except on the front facing.
- Place headers only as required to support the facing and mantel.

WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS.

WARNING: THE OSBURN INSPIRE 2000-I AND THE ZERO CLEARANCE KIT MUST NOT BE IN CONTACT WITH ANY INSULATION OR LOOSE FILLING MATERIAL. COVER INSULATION WITH MATERIAL SUCH AS GYPSUM BOARD AROUND THE INBUILT.

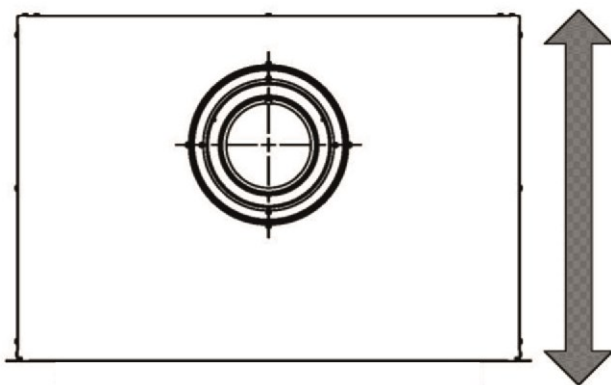


A	895 mm (min)
B	829 mm (min)
C	630 mm (min)

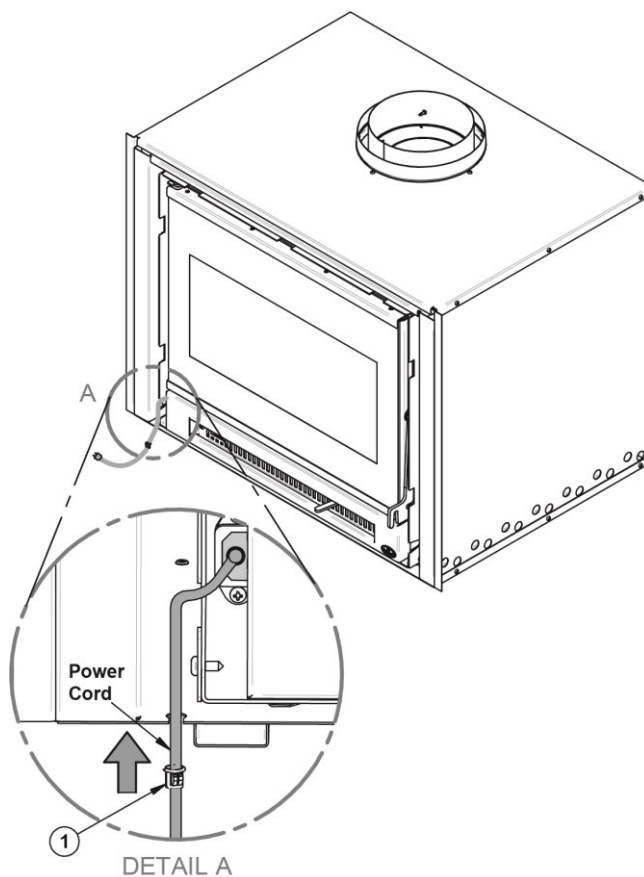
Figure 6.1.1

Once the installation is performed and the zero clearance kit is enclosed in the frame, insert the wood inbuilt inside the zero clearance kit.

Center the Inspire 2000-I inbuilt (rear-front) inside the zero clearance kit in order for the appliance's flue to be aligned with the zero clearance kit's flue.



Insert the grommet **(1)** on the fan's power cord. Slide the grommet onto the opening on the base of the zero clearance kit. From outside the ZC kit push the grommet in the hole until it "clips" (see **detail A**).



6.1.2 FLOOR PROTECTION

If the unit is installed on a heat sensitive floor, an insulated floor protector needs to be constructed. It must cover the area under the ZC kit and must project to the front of the inbuilt.

A minimum 520 mm deep x 684 mm wide x 45 mm thick floor protector (Bellis board) should be used under the appliance (clay bricks are acceptable if the fireplace is already lined), a minimum 908 mm wide x 700 mm deep x 24 mm thick floor protector (Bellis board) must be used in front of the appliance base when installing the appliance. The floor protector should extend 700 mm in front of each appliance base and be placed centrally in the 908 mm width. The Thermal conductivity of the floor protector is $0.1 \text{ m}^2.\text{K}/\text{W}$ for 9 mm thick sheets. (see **Figure 6.1.4 (a)**).

6.1.3 FINISH

Once the assembled ZC kit and the Osborn Inspire 2000-I Inbuilt are in the enclosure, connect the chimney to the ZC kit and fix the cladding to the enclosure taking care of respecting zones of heat sensitive and heat resistant material. (see **Figures 6.1.4 (b) & 6.1.4 (c)**)

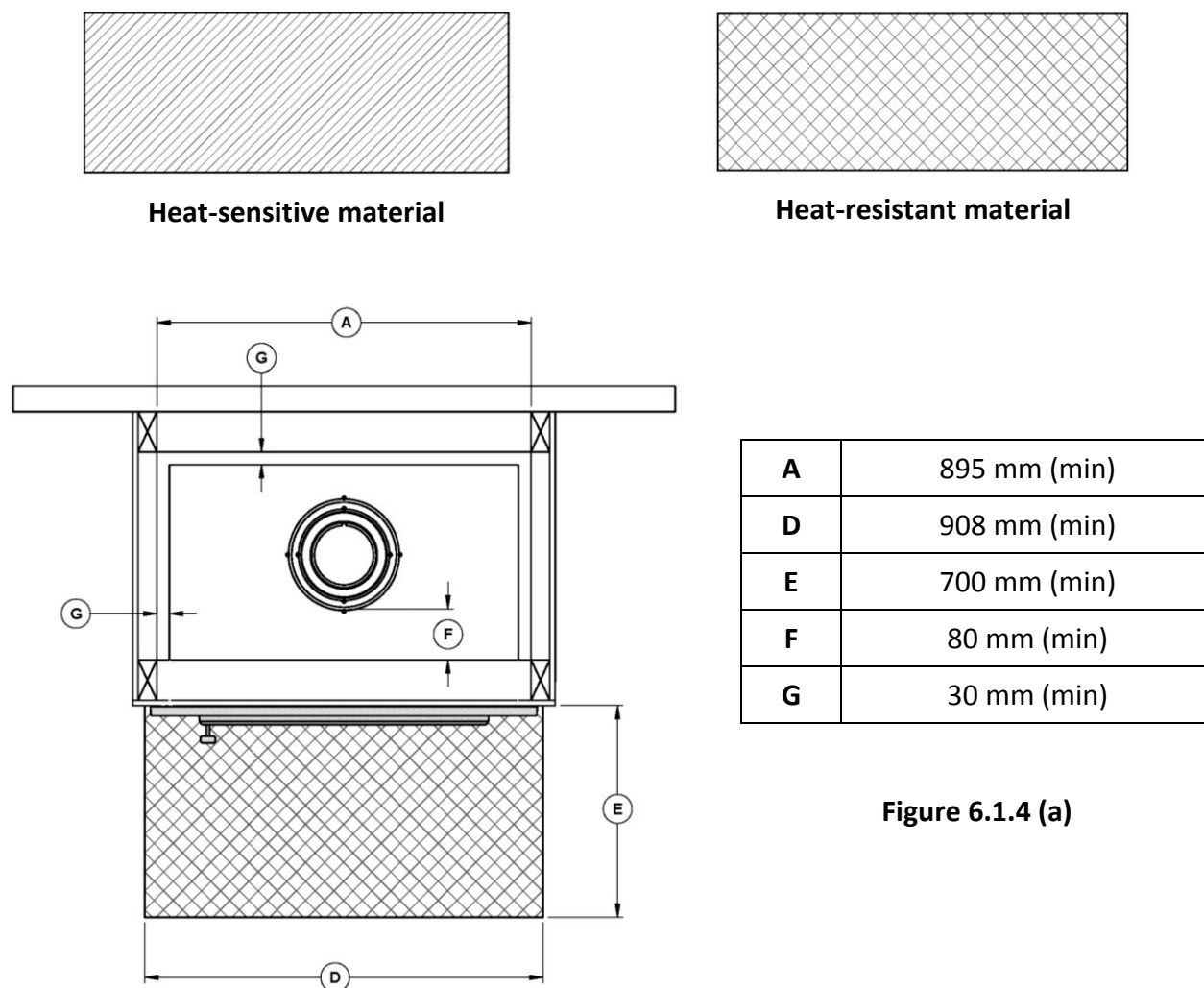
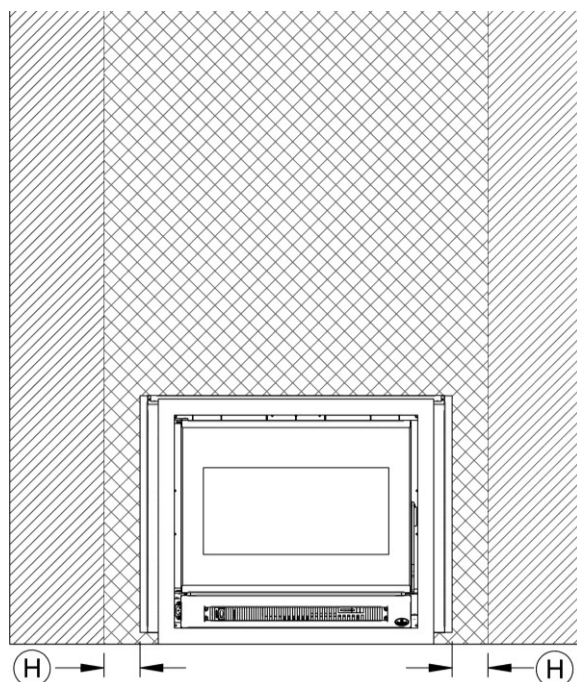


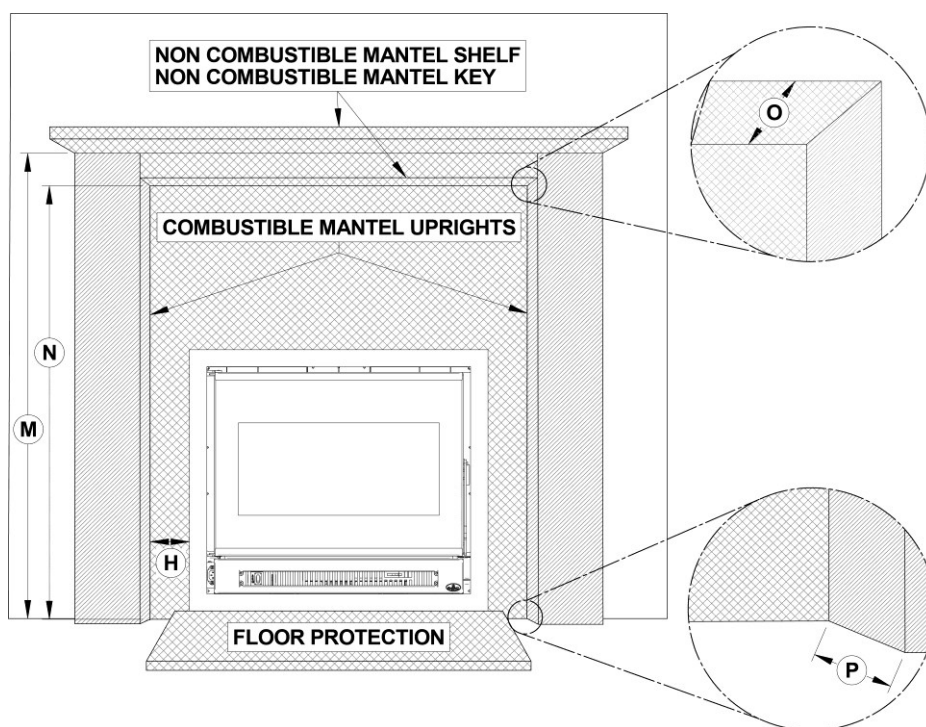
Figure 6.1.4 (a)



H	100 mm (min)
----------	--------------

Figure 6.1.4 (b)

The mantle key should be made of non-combustible materials and should be no closer than 1250 mm above the floor protection and shall be no thicker than 40 mm. The mantle shelf shall be made of non combustible materials and should be no closer than 1340 mm above the floor protection and shall be no thicker than 250 mm.



H	100 mm (min)
M	1340 mm (min)
N	1250 mm (min)
O	40 mm (max)
P	70 mm (max)

Figure 6.1.4 (c)

7 THE FLUE SYSTEM

7.1 SUITABLE FLUE SYSTEMS

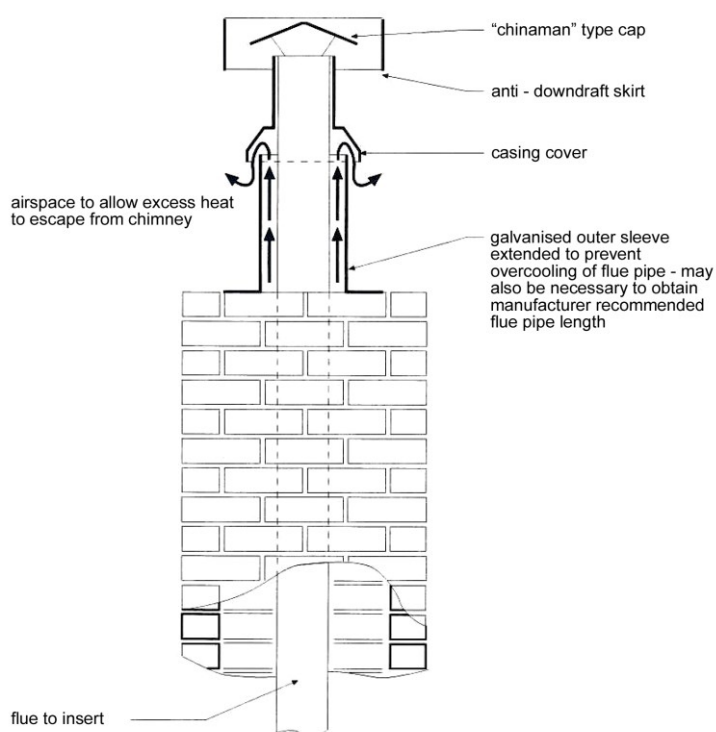
Your wood inbuilt will provide optimum efficiency and performance when connected to a 150 mm diameter triple flue skin.

7.2 TRIPLE SKIN FLUE KIT INSTALLATION

For appliances discharging combustion products through a chimney, the chimney shall be inspected for soundness and thoroughly cleaned before a flue pipe is installed. The air gap between the flue pipe and the chimney shall be open at the top of the chimney to the extent that the total opening area is not less than 10 000 mm². The chimney exit shall be fitted with means to prevent ingress of water and debris, and such means shall be constructed and fitted to maintain a total opening area at the chimney exit of not less than 10 000 mm².

The flue pipe to inbuilt used in the chimney shall comply with AS/NZS 2918.

To connect the wood inbuilt to the flue liner, refer to Inspire 2000-I inbuilt owner's manual.

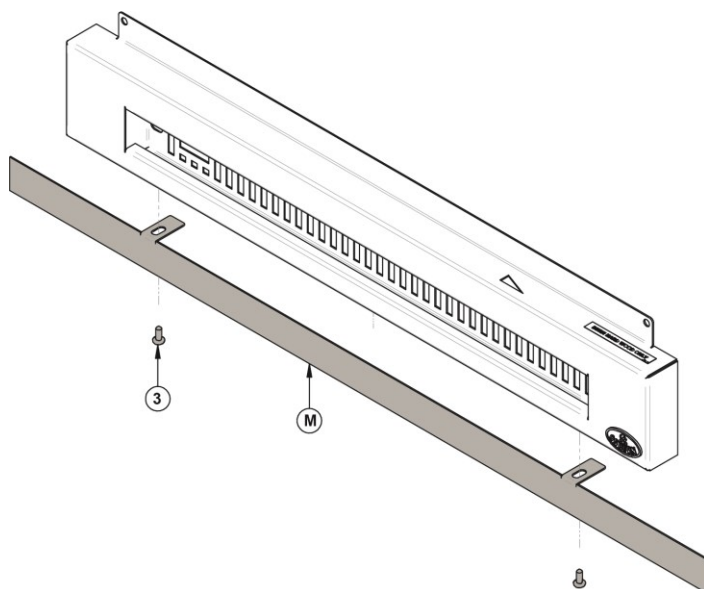
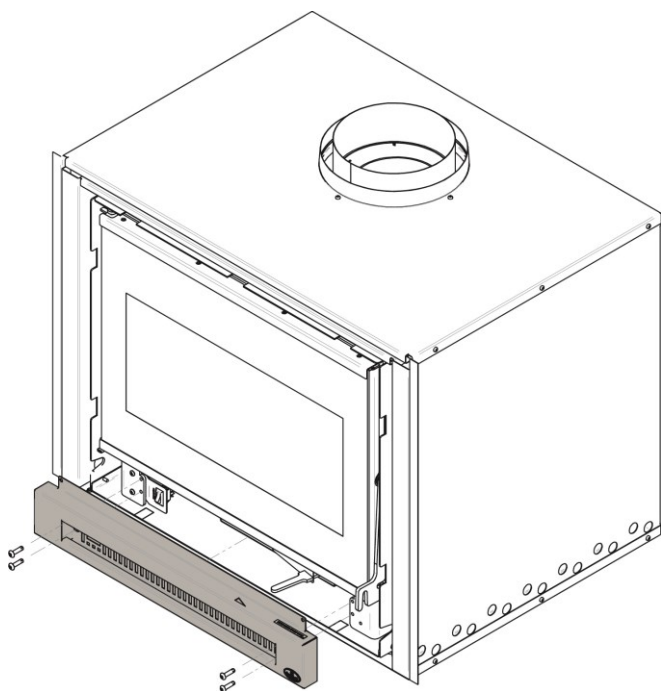


7.3 MINIMUM FLUE SYSTEM HEIGHT

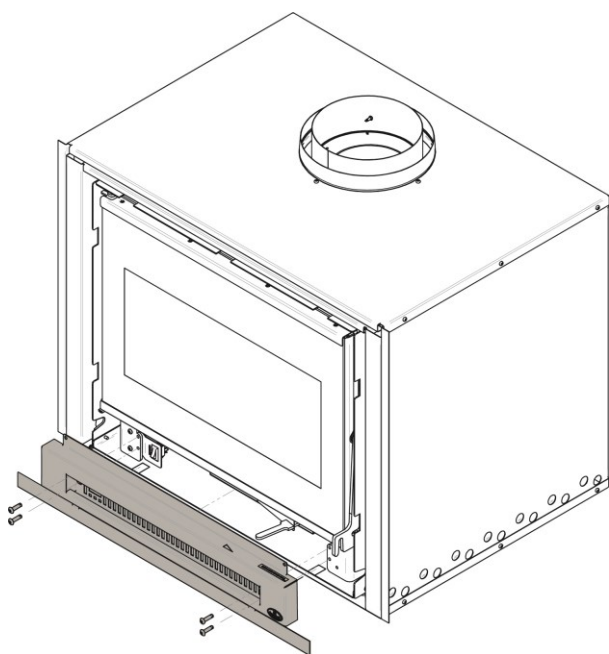
See Inspire 2000-I Inbuilt owner's manual.

APPENDIX 1: NARROW FACEPLATE (U SHAPE) INSTALLATION (OPTIONAL)

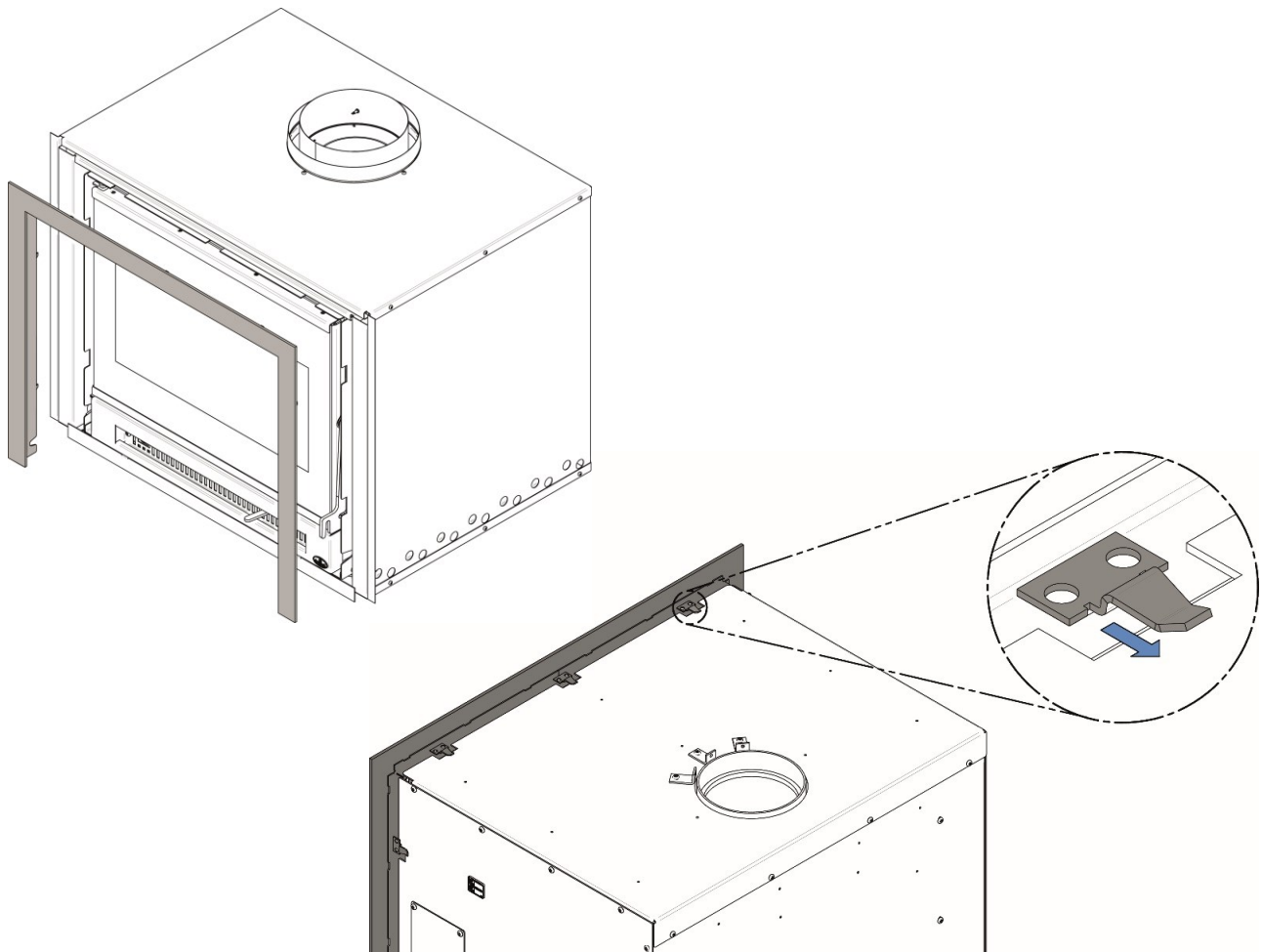
1. Remove bottom faceplate
2. Fix metallic strip cover **(M)** onto the bottom faceplate with the two screws provided **(3)**.



3. Reinstall bottom faceplate



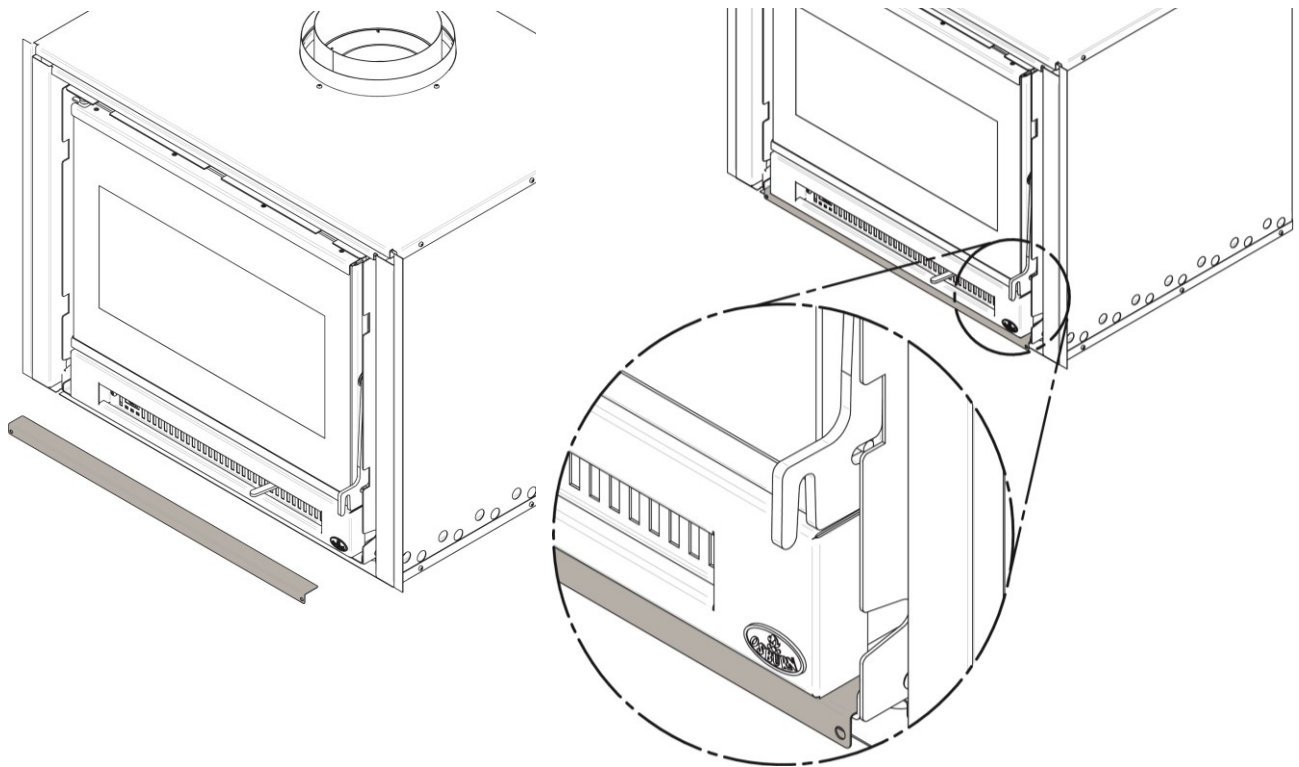
4. Align the clips of the faceplate with the notches on the insert. Push the faceplate onto the insert until it clips.



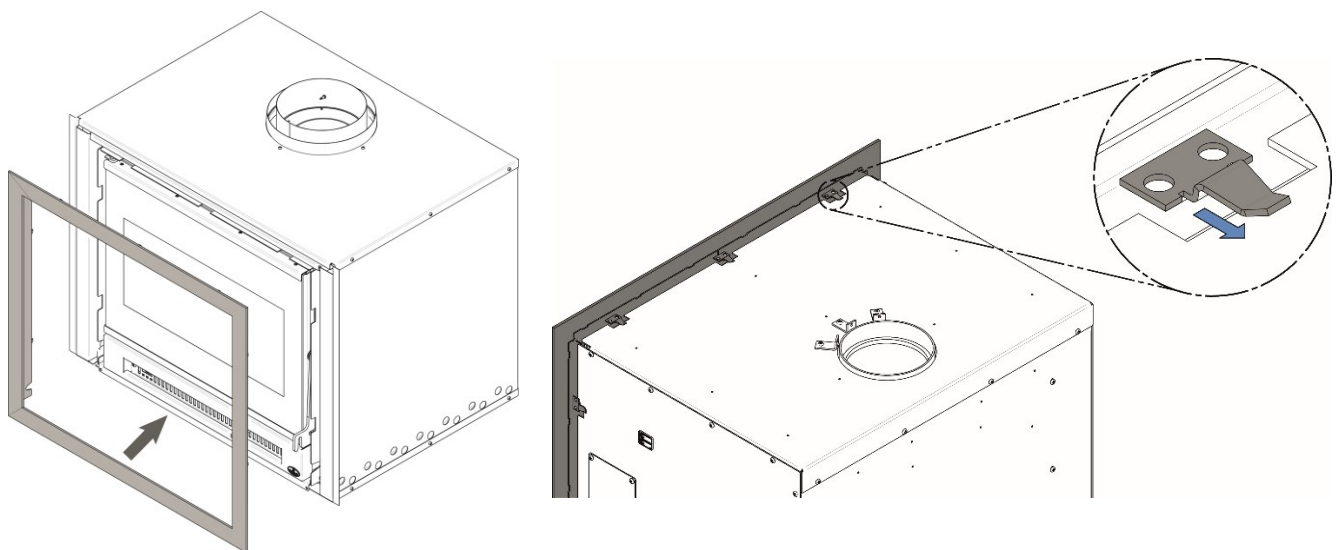
APPENDIX 2: NARROW FACEPLATE INSTALLATION (OPTIONAL)

Note: The metallic strip cover (**M**) is not necessary with this faceplate and can be discarded.

1. Place the decorative bracket between the bottom faceplate and the insert jacket.



2. Align the clips of the faceplate with the notches on the insert. Push the faceplate onto the insert until it clips.



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