

ASSEMBLY and INSTALLATION INSTRUCTIONS



Recirculation Kit Guardian 250

View these instructions online at www.lbwhite.com

Qualifications for installation:

- You must read and understand these instructions before beginning the installation.
- You must have sufficient experience to install the kit and test for proper operation.
- You must be able to place the heater in a continuing safe and normal operating condition.

Materials required:

- Sealant caulk

Tools required:

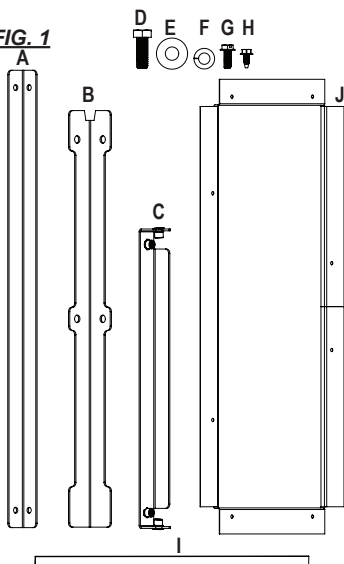
- 1/4 in. nut driver
- Electric drill
- 1/8 in. drill bit
- 1/4 in. drill bit
- Level
- Reciprocating saw or jigsaw
- Ratchet with 9/16 in. socket
- 9/16 in. wrench or adjustable wrench
- Pencil or marker
- Ruler or tape measure

ATTENTION:

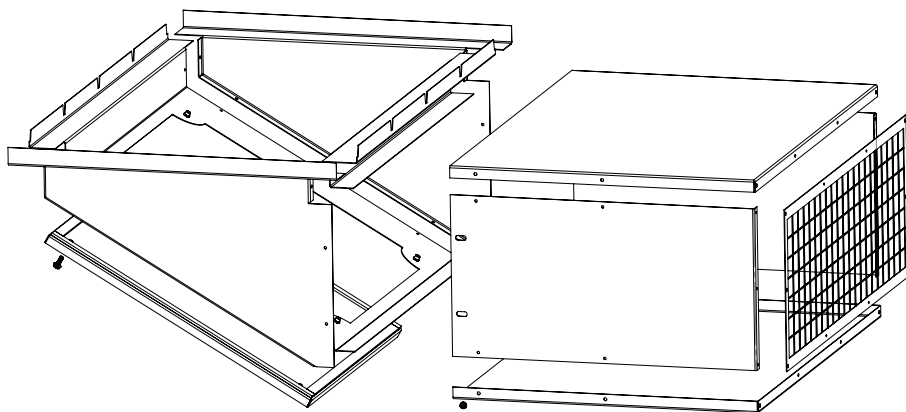
- Installations and applications of L.B. White heaters must meet all applicable local, regional, and national codes. Included are L.P. gas, natural gas, and electrical and safety codes. Your local fuel gas supplier, a local licensed electrician, local fire department, or similar government agency can assist you.
- Mounting the heater will require the assistance of others.
- Do not mount the heater and its kit on the side of the building which has exhaust fans.
- The heater's recirculation kit must be mounted at a location so as not to interfere with water, gas, or electrical lines.
- The heater's recirculation kit must be mounted so its air inlets are not obstructed.
- The heater's exhaust duct is sold separately. Duct kit number 574102.
- Regardless of wall construction, ensure the minimum clearance from heater to wall is 6 in. (15.2 cm) minimum. (This will accommodate wall thickness up to 14 in. (35.5 cm).)

A. Getting ready

- Determine the location for the heater installation.
- Lay all kit components on a flat area to assist in identification and assembly.
 - o See Figs. 1 and 2 to identify the components used in the assembly process.

FIG. 1


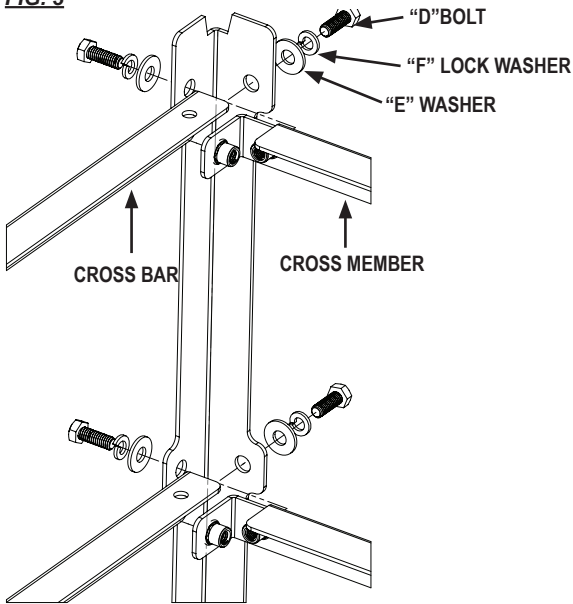
ITEM	DESCRIPTION	QTY
A	CROSS BAR	4
B	LEG STAND	4
C	CROSS MEMBER	4
D	BOLT, HEX HEAD, 5/16-18 X .875"	16
E	WASHER, FLAT, 5/16 STL	16
F	WASHER, LOCK, 5/16 STL	16
G	SCREW, 10-32 X 1/2	4
H	SCREW, #8 X 3/8, B-POINT	32
I	GASKET, 1/8" X 15"	4
J	DUCT TRIM	2

FIG. 2


Assembling the heater stand

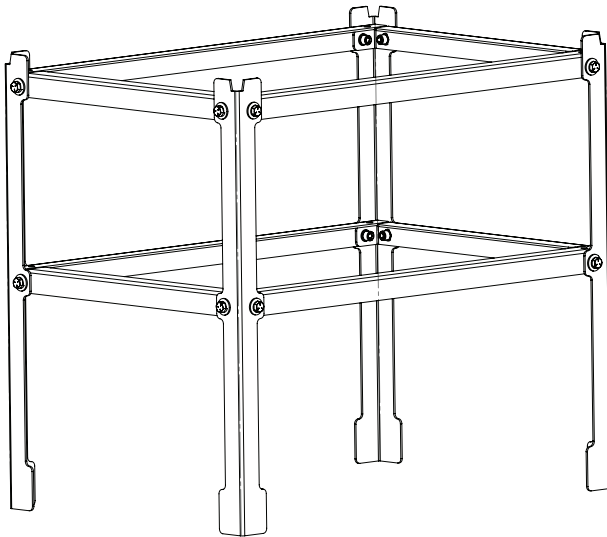
1. Assemble two cross bars and two cross members on the leg stand as shown in Fig. 3. Using quantity 4 each of hardware items D, E, and F. Tighten all securely.

FIG. 3



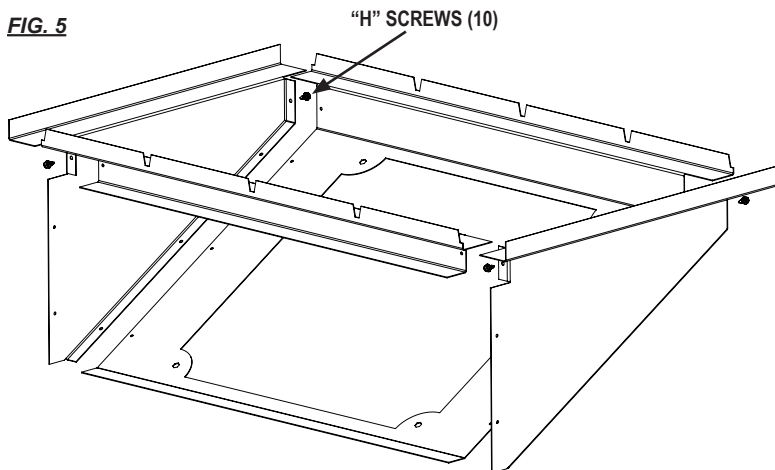
2. Repeat step 1 for remaining legs. See Fig. 4.

FIG. 4

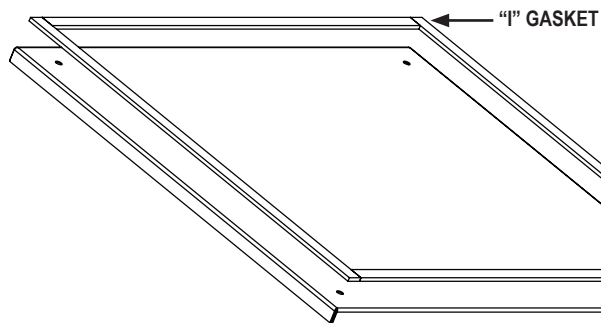


Assembling the recirculation case

1. Using H screws, assemble the case as shown in Fig. 5.

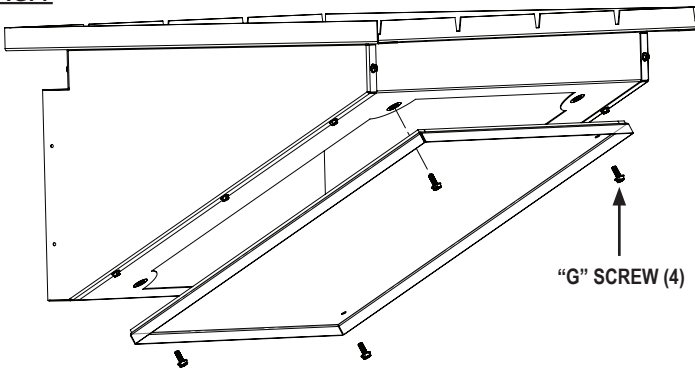
FIG. 5

2. Apply the gaskets (I) to the base cover. See Fig. 6.

FIG. 6

3. Use G screws to attach the base cover to the case. See Fig. 7.

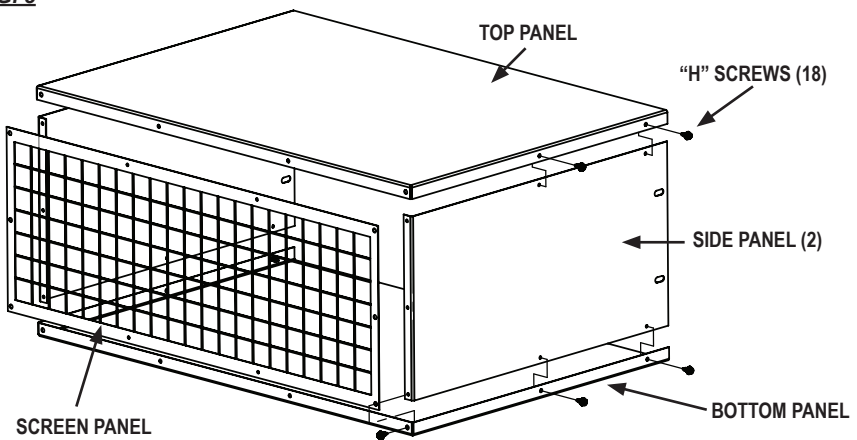
FIG. 7



Assembling the air intake duct

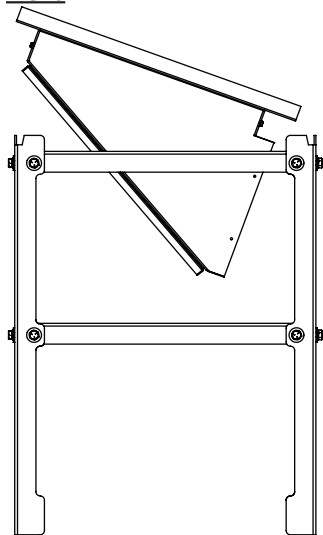
- Assemble the air intake duct with H screws. See Fig. 8. Note: ensure the side panels and the screen panel are inside the top/bottom panel when securing it together.

FIG. 8

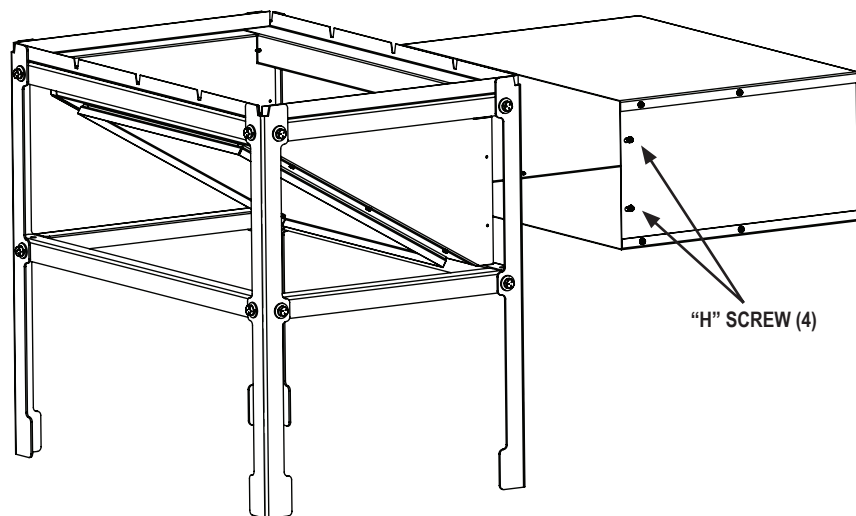


Attaching the recirculation case to heater stand

1. Insert the recirculation case through the heater stand as shown in Fig. 9.
2. Securing the recirculation case to the stand is not required.

FIG. 9

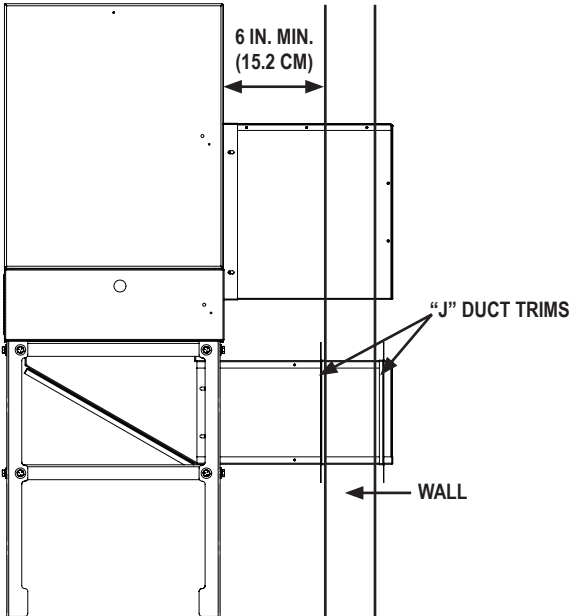
3. Attach the air intake duct to the recirculation case. Secure it together using four H screws. See Fig. 10.

FIG. 10

Completion

1. Position the air intake duct up against the exterior wall and trace around the duct.
2. Cut the duct opening 1/4 in. (6.35 mm) larger to accommodate the duct trims.
3. Position the heater onto the stand. Ensuring the stand is inside the base of the heater. Securing the heater to the stand is not required.
4. Insert the air intake duct through the wall opening. See Fig. 11.

FIG. 11



5. Seal the edge of the duct hole on the interior and exterior of the building. Use waterproof caulk.
6. Install air intake duct trim pieces. Fold the duct trim frames around the duct assembly at both sides of the wall. Attach with 3/4 in. (19.05 mm) sheet metal screws.
7. Connect the heater to its gas and electrical supplies. Check for gas leaks.
8. Start the heater. Test the installation. The Damper of the heater's duct must open and close completely when the heater is started and stopped.
9. Keep instructions for future reference.

Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Co., Inc. at U.S. & Canada: 1-800-345-7200, Overseas: 001-608-783-5691 assistance, or email us at customerservice@lbwhite.com.

Be sure that you have your heater model number and configuration number when calling.



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回风装置套件 Guardian 250

可以访问 www.lbwhite.com 在线查看手册

安装人员所需资格：

- 安装前，需要阅读并理解本手册。
- 必须具备丰富的安装、测试此套件的经验。
- 加热器固定位置，必须满足加热器持续安全、正常运行所需条件。

所需材料：

- 填缝胶

所需工具：

- 1/4英寸套筒
- 电钻
- 1/8英寸钻头
- 1/4英寸钻头
- 水平
- 往复锯或者线锯
- 带9/16英寸套筒的棘轮
- 9/16英寸的扳手或者活动扳手
- 铅笔或者记号笔
- 尺子或者卷尺

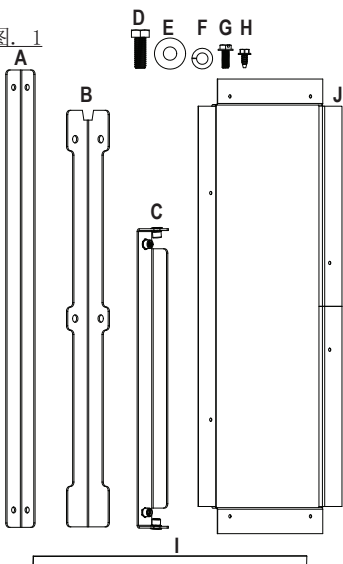
注意：

- 安装以及使用绿博温特加热器必须遵守当地、省市以及国家规范。包括液化石油气、天然气以及电气等安全规范。您在当地的燃气供应商，持证电工、消防队或者类似的政府部门将帮助您确认规范要求。
- 安装加热器需要其他人的协助。
- 请勿将加热器以及此套件安装在有排风扇的墙体。
- 回风套件的安装要避免影响供水、供气管路或者电路。
- 回风套件的安装也不可影响栋舍的进风。
- 室外安装加热器还需要另外购买送风管道。送风管道编号是574102。
- 不论是哪种墙体，需要确保加热器和墙体之间的最小间距是6英寸（15.2厘米）。（墙体厚度不能超过14英寸（35.5厘米）。）

A. 准备

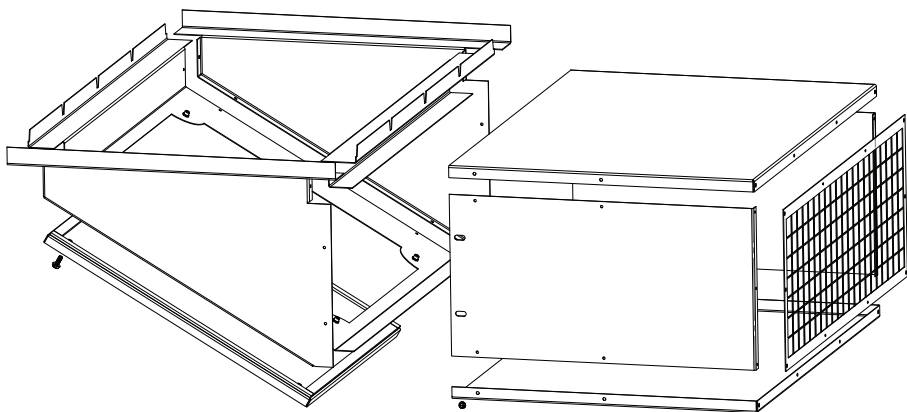
- 确定加热器的安装位置。
- 将回风套件的所有配件取出铺开，便于识别以及组装。
- o 详见图1和2，识别组装所需配件。

图. 1



项目	描述	数量
A	横梁	4
B	支撑件	4
C	横向构件	4
D	六角螺栓, 5/16-18×0.875英寸	16
E	平垫圈, 5/16 STL	16
F	防松垫圈, 5/16 STL	16
G	螺丝, 10-32×1/2	4
H	螺丝, #8×3/8, B点	32
I	密封垫, 1/8×15英寸	4
J	导风管镶边	2

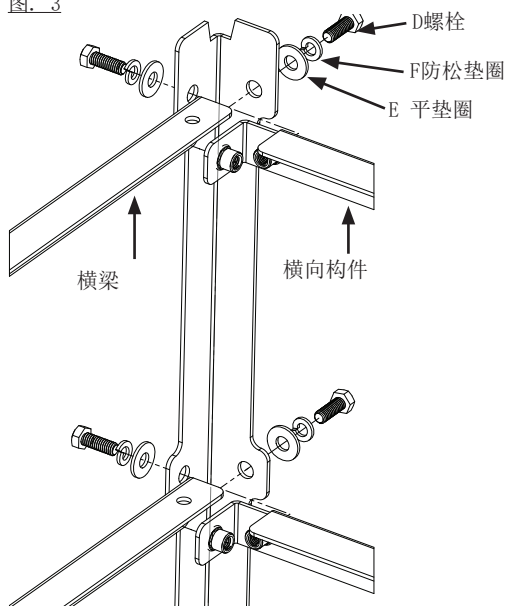
图. 2



组装加热器支撑

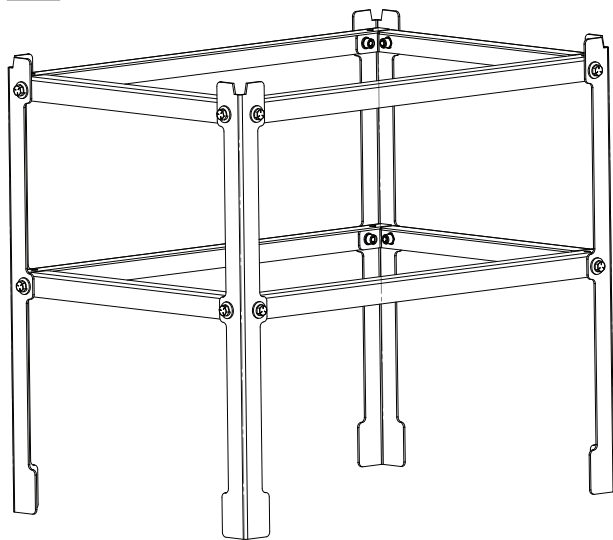
1. 如图3所示，将两个横梁、两个横向构件安装到支撑件上，需要D、E和F各4个，分别拧紧。

图. 3



2. 见图4，重复第一步连接其他接点。

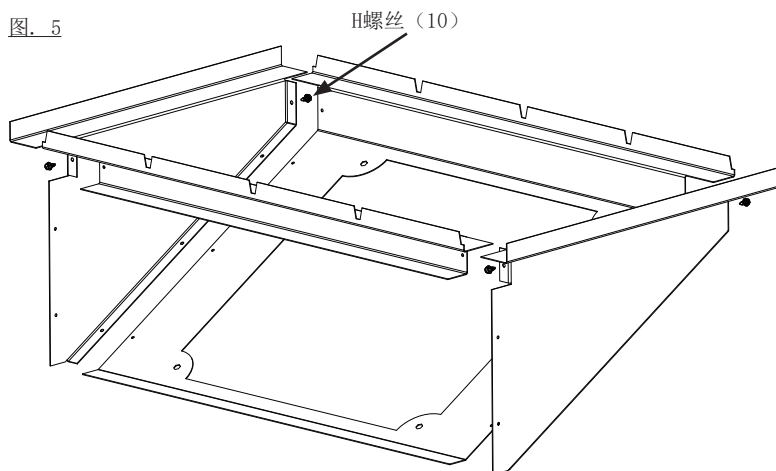
图. 4



组装回风箱

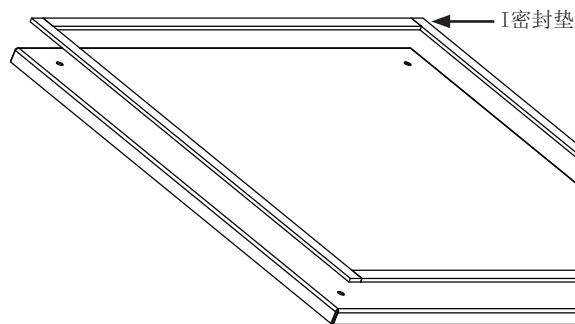
1. 使用H螺丝，如图5所示组装箱体。

图. 5



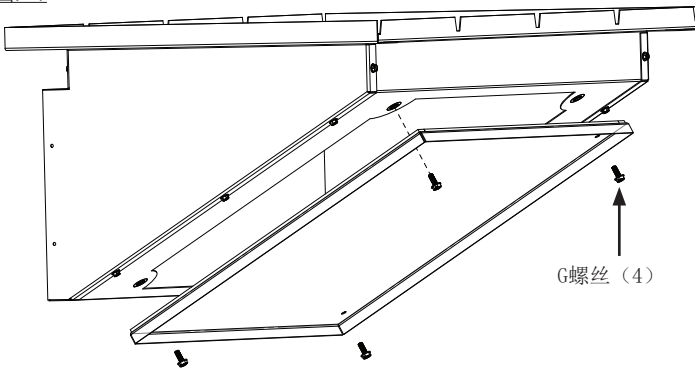
2. 如图6所示，将密封垫（I）平铺在箱体盖上。

图. 6



3. 如图7，使用G螺丝将箱体盖连接到箱体上。

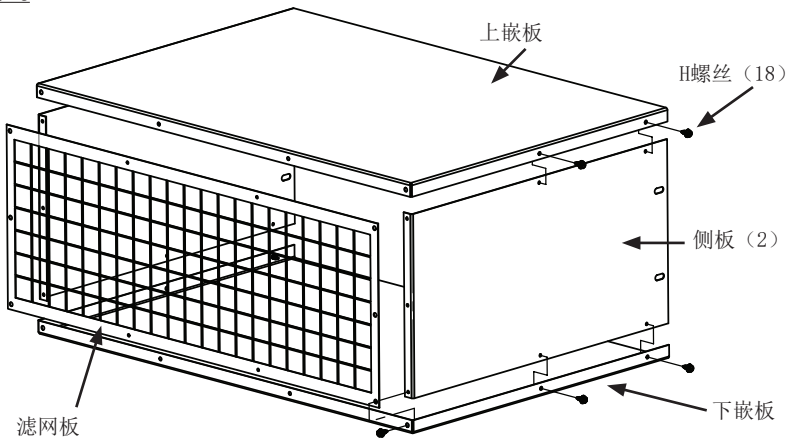
图. 7



组装进风导管

- 如图8所示，使用H螺丝组装进风导管。注意：在组装时，要确保侧板和滤网板在上/下嵌板的内侧

图. 8

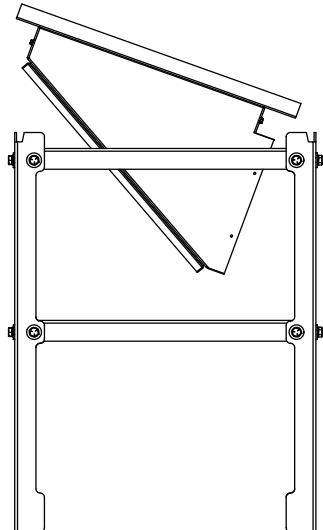


6

连接回风箱体和加热器支撑

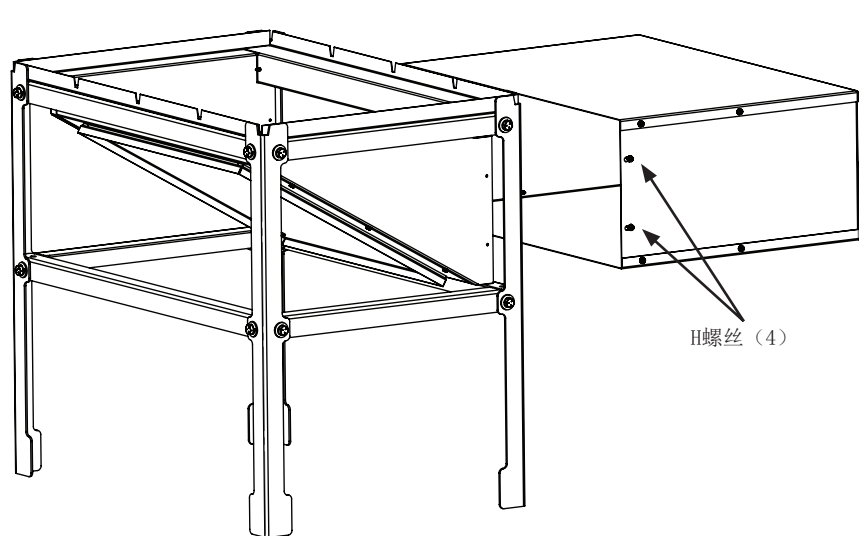
1. 如图9所示, 将回风箱体插入加热器支撑。
2. 回风箱体和支撑之间不需要使用螺丝连接。

图. 9



3. 如图10所示, 连接进风导管个回风箱体, 使用H螺丝连接。

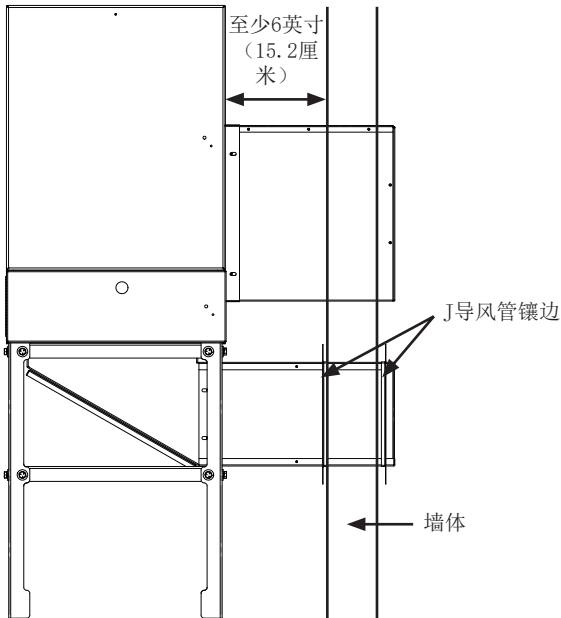
图. 10



最终

1. 将进风导管贴在外墙，并沿导风管一周，做好标记
2. 墙体洞口的各边，相比导风管，需要外扩1/4英寸（6.35毫米），便于安装导风管镶边。
3. 将加热器置于支撑顶部，确保支撑在加热器底座内侧。加热器和支撑之间不需要连接。
4. 如图11，将进风导管插入墙体洞口。

图. 11



5. 使用防水填缝胶，将导风管四周，墙体内外的洞口填充。
6. 安装导风管镶边，在墙体内外两次将镶边折弯，套在导风管上，使用3/4英寸（19.05毫米）的螺丝固定。
7. 将加热器的燃气管路和电源线接好。检测有无泄漏。
8. 启动加热器，检查安装情况，加热器启动或者停止的时候，出风导管里的挡风板必须完全打开或者闭合。
9. 将手册留好备用。

服务

请与您当地的绿博温特代理商联系配件更换以及售后服务事宜。您也可以拨打服务热线寻求帮助，美国和加拿大：1-800-345-7200，海外市场：001-608-783-5691，或者给我们发邮件：customerservice@lbwhite.com。与我们联系时，请确认加热器型号以及产品序列号。



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