

ARCHITECTURAL STONE REFRACTORY AND STONE COLUMN REFRACTORY

Models: PRIMO-II Series

Installation Instructions



Leave this manual with party responsible for use and operation.

! DANGER



HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

CAUTION! Risk of Cuts or Abrasions. Wear protective gloves and safety glasses during installation.

NOTICE: Handle refractory panels with care. Refractory may chip or crack if dropped or impacted.

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A. Tools

Screw gun equipped with 1/4 in. socket

Pliers

B. Hardware

Confirm all of the necessary components are present before beginning installation. The items below are shipped inside the appliance.

Included with appliance:

- (1) 4-IN-1 Hand Bend Retaining Bracket Assembly
- (4) Self-Tapping Screws
- (1) 6-IN-1 Hand Bend Spacer Bracket Assembly

C. Kit Contents / Service Parts

Panel quantities vary by size and whether the appliance is single-sided or see-through.

Note: Individual panels are not available as service parts.

Architectural Stone			
Model	Kit Name	Back Panel Quantity	Side Panel Quantity
PRIMO-II-48	ACT-PR-48	1	2
PRIMO-II-60	ACT-PR-60	3	2
PRIMO-II-72	ACT-PR-72	3	2
PRIMO-II-48ST PRIMO-II-60ST PRIMO-II-72ST	ACT-PR-ST	0	2

Stone Column			
Model	Kit Name	Back Panel Quantity	Side Panel Quantity
PRIMO-II-48	COL-PR-48	1	2
PRIMO-II-60	COL-PR-60	3	2
PRIMO-II-72	COL-PR-72	3	2
PRIMO-II-48ST PRIMO-II-60ST PRIMO-II-72ST	COL-PR-ST	0	2

Description	Part Number
4-IN-1 Retaining Bracket Assembly	2670-245*
Description	Part Number
6-IN-1 Spacer Bracket Assembly	2670-245*

***Note:** The 4-IN-1 Retaining Bracket Assembly and the 6-IN-1 Spacer Bracket Assembly are combined into one part (2670-245) for shipment with the appliance.

D. Prepare Refractory Brackets From 4-IN-1 Retaining Bracket Assembly

1. Break retaining bracket assembly by hand into four individual refractory brackets as shown in Figure 1 and Figure 2.
2. Bend the bracket to 180 degrees as shown in Figure 3A and 3B. Use a pair of pliers to ensure it is flat.
3. Bend the fiber retaining tab back up to 90 degrees as shown in Figure 4A. The refractory pieces are installed inside the bracket as noted in Figure 4B.

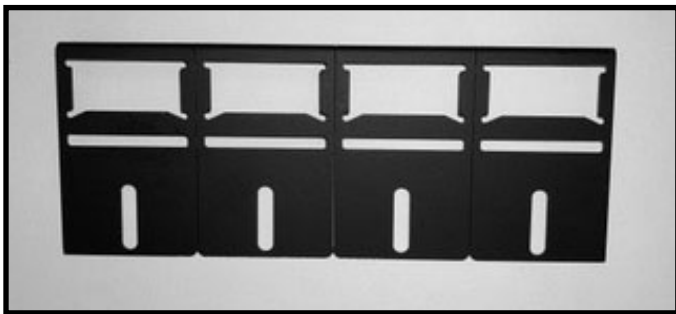


Figure 1 4-IN-1 Retaining Bracket



Figure 2 Individual Refractory Bracket

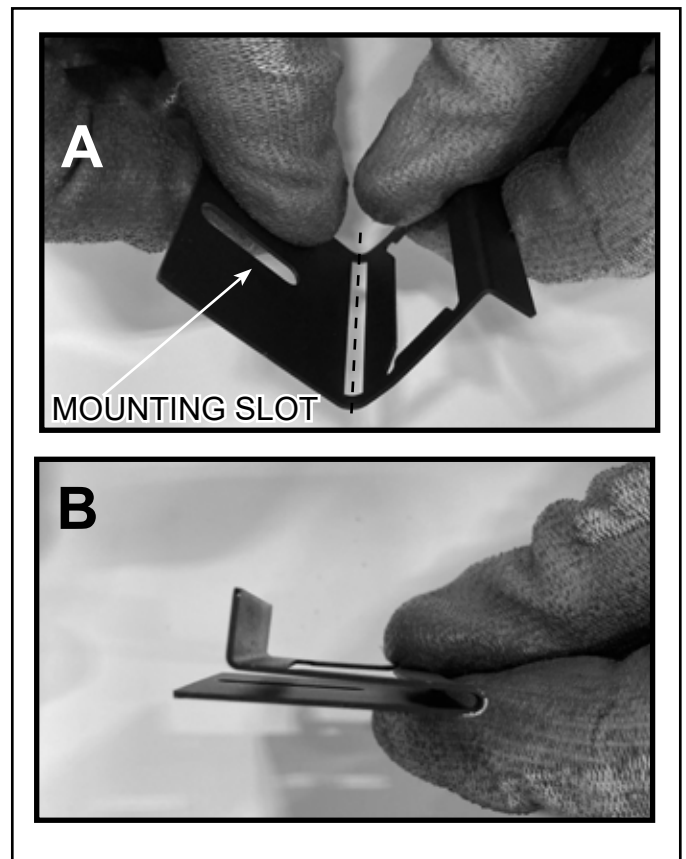


Figure 3 Location of 180 Degree Bend

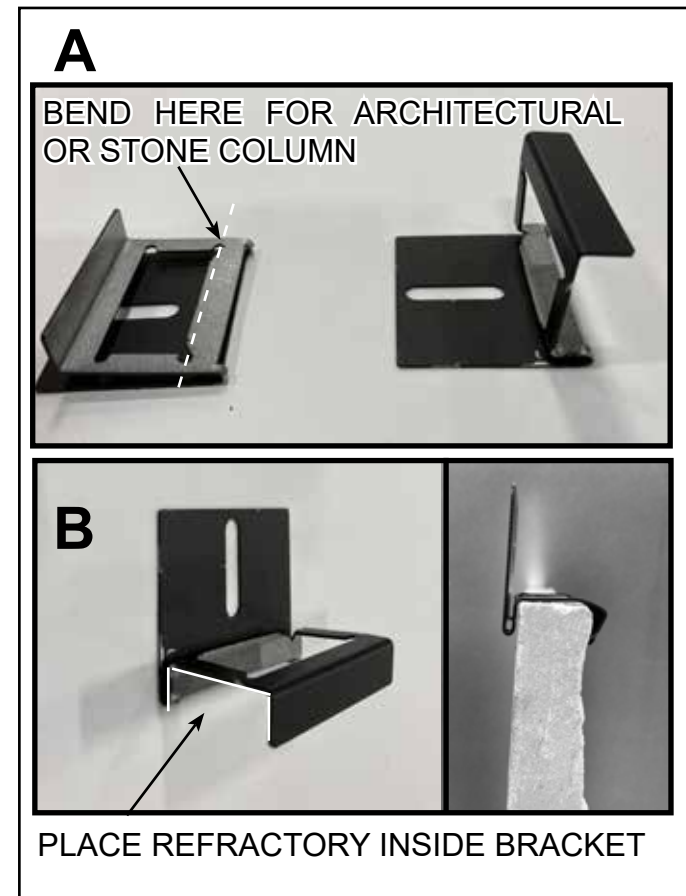


Figure 4 Refractory Bracket Prepared

4. Break off the top of the mounting tab at the perforation of each refractory bracket and discard the excess material. See Figures 5A and 5B.
5. When installing refractory brackets on the side refractory panels, the bend created in Step 2 should be flattened with a pliers so that the bracket does not create a space between the refractory panel and the firebox. See Figure 6.
6. The final bend of the refractory bracket is shown in Figure 7. The degree of this bend will vary depending on the thickness of the fiber in the area where the bracket is placed. Adjust the clip as needed.

Note: The back panel refractory brackets should not be flattened, because the extra spacing is an intentional feature.

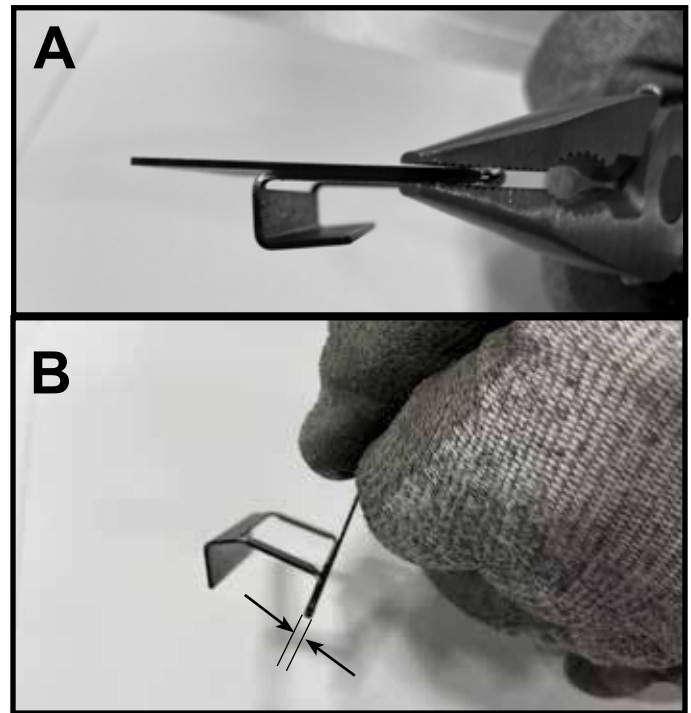


Figure 6 Flattening of Side Brackets - All Models

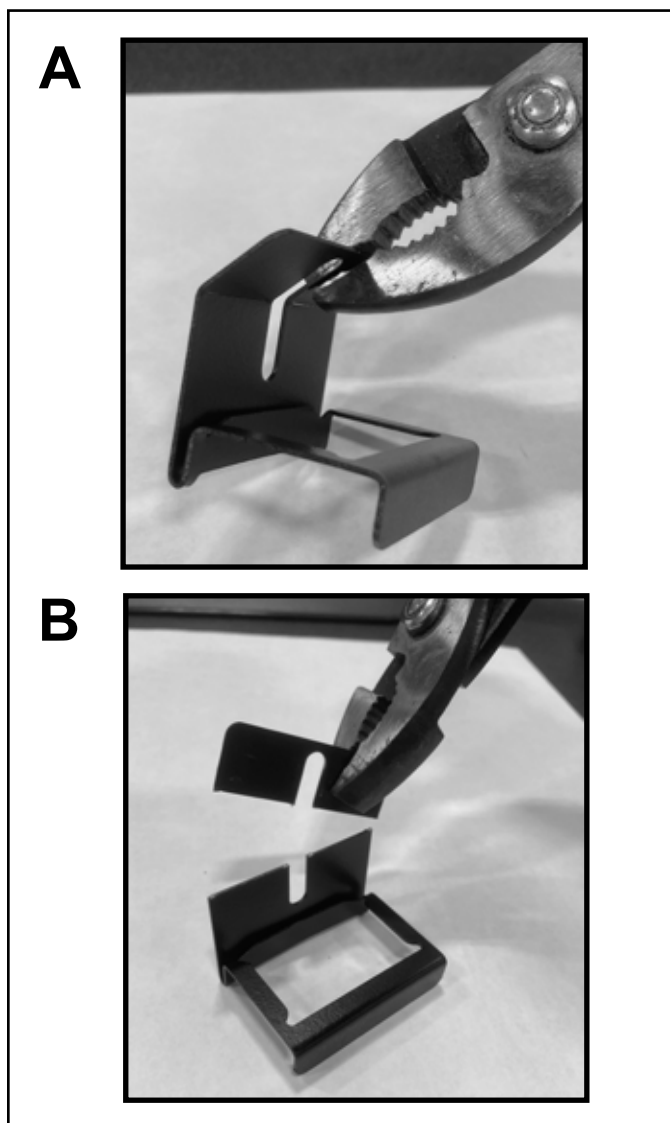


Figure 5 Remove Top of Mounting Tab

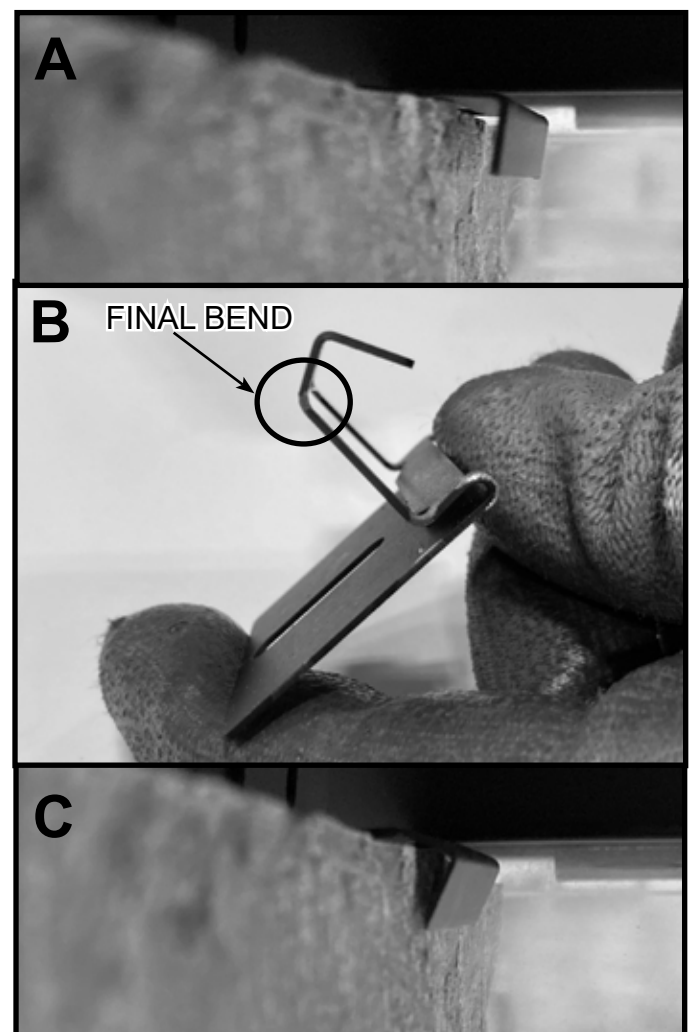


Figure 7 Final Bend on Refractory Bracket

E. Prepare 6-IN-1 Refractory Spacers

(Single-Sided Models Only)

1. Locate the 6-IN-1 flat refractory spacer assembly. See Figure 8.
2. Bend to break it into six individual spacers as shown in Figure 9.
3. Bend J-Shape on one side of bracket using pliers. See Figure 9 and Figure 10.
4. Bend L-Shape on the other side of the bracket using pliers. See Figure 11.
5. Repeat bends for all six parts. Figure 12 shows the refractory spacer with all bends completed.
6. Place in appliance with L-Shape bend toward back/side of firebox and J-Shape bend toward inside of firebox as noted in Figure 13 (A) and (B). Refer to Section G "Install Refractory Single-Sided Models" for additional information.



Figure 8 6-IN-1 Flat Part

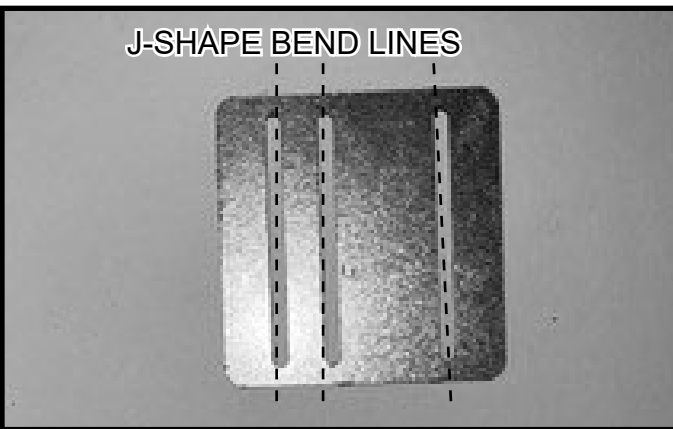


Figure 9 Individual Refractory Spacer - Flat



Figure 10 J-Shape Bend

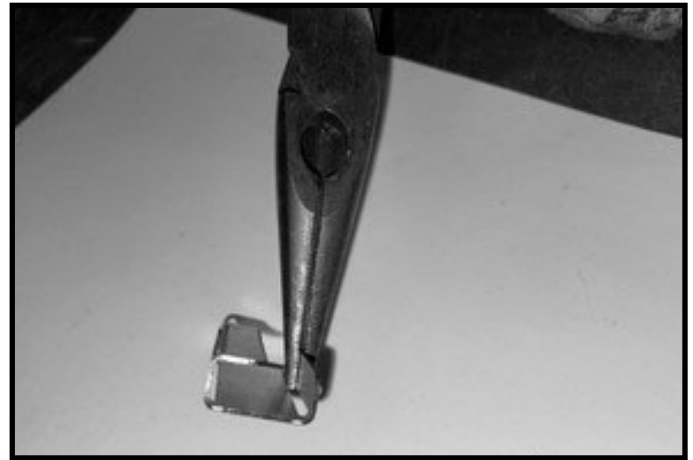


Figure 11 L-Shape Bend

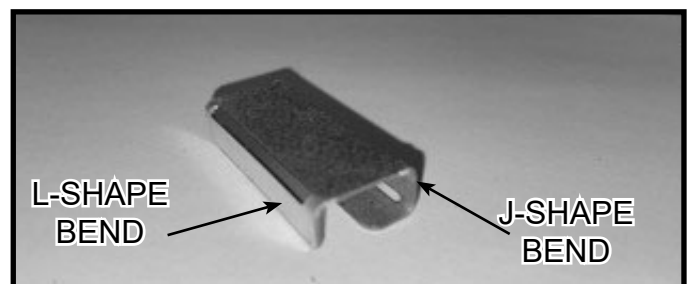


Figure 12 Prepared Refractory Spacer

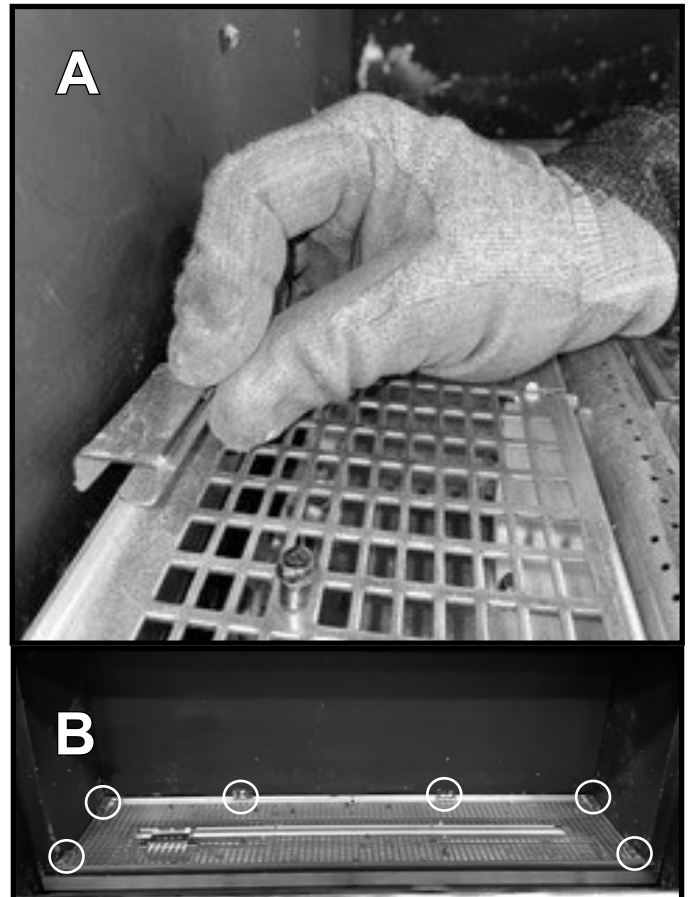


Figure 13 Placement of Refractory Spacers

F. Install Refractory - See Through Models

(For Single-Sided models, proceed to page 7)

1. Prepare refractory brackets per the instructions in Section D.
2. Use a pliers to close the gap on the initial hand bend as shown in Figure 7.
3. Locate the two side refractory panels. Some panels may have chamfered corners on the bottom portion. See Figure 14.
4. Place the side panel into the appliance as shown in Figure 15 and Figure 16. Center the panel within the firebox.

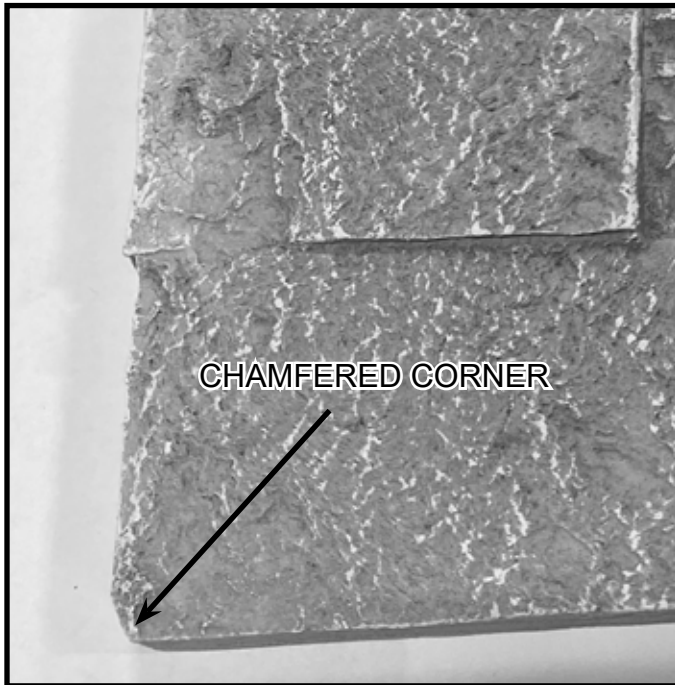


Figure 14 Side Panel Corner Chamfer



Figure 15 Position Side Refractory Panel



Figure 16 Positioned Side Refractory Panel

5. Install the refractory bracket on the refractory panel and center it as shown in Figure 17. Make the necessary adjustments to the clip as shown in Figure 6.
6. Put the refractory bracket back into position and ensure no gap exists between the refractory and the side of the appliance. See Figure 18.
7. Install refractory bracket using the self-tapping screw provided. See Figure 19.
8. Repeat the installation for the refractory panel on the opposite side.

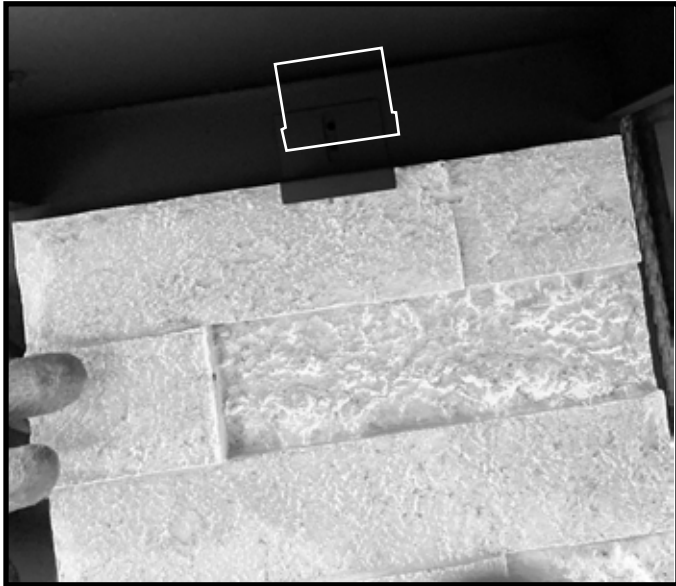


Figure 17 Center Refractory Bracket on Panel

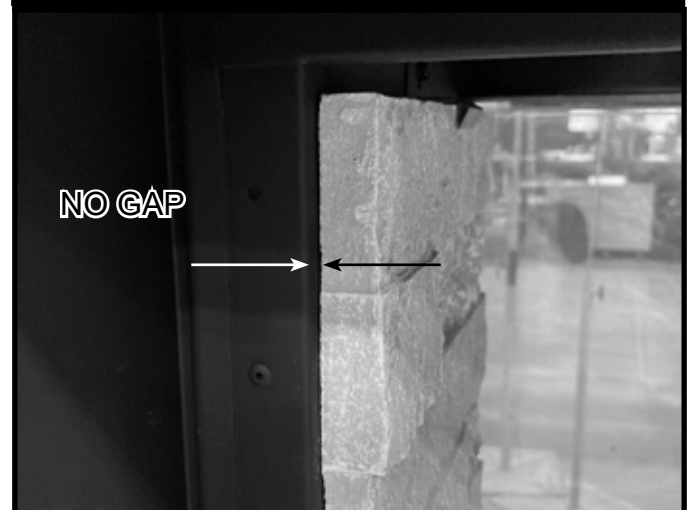
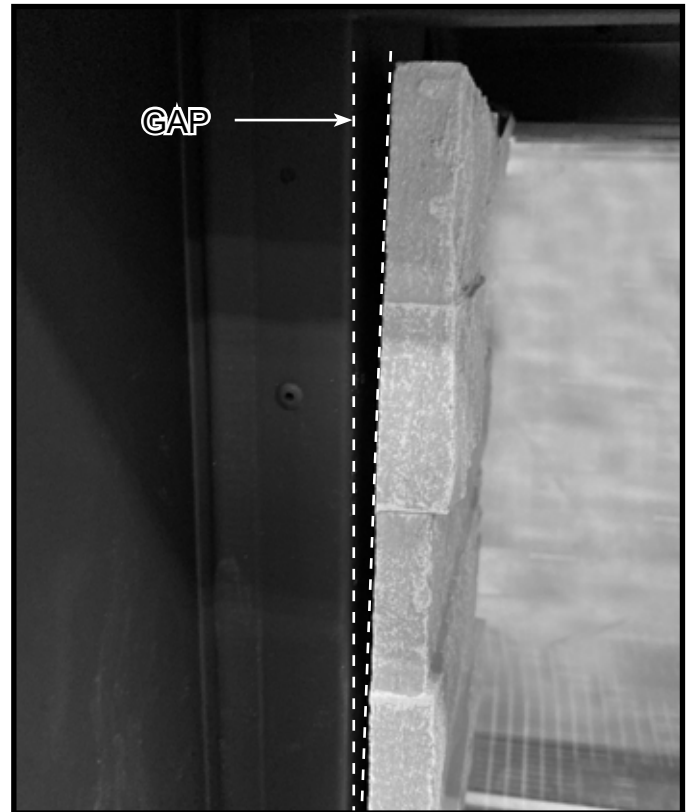


Figure 18 Ensure No Gap Exists

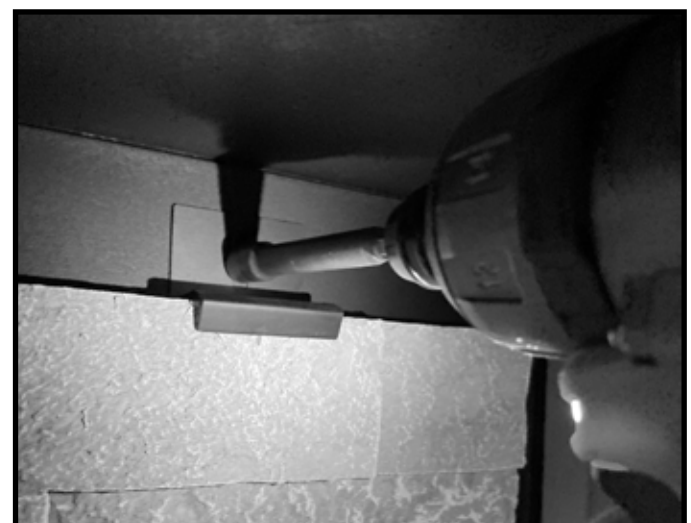


Figure 19 Install Bracket

G. Install Refractory - Single-Sided Models

Kits with Three Back Panels

See Page 11.

Kits with a Single Back Panel

See below.

Install Refractory Kit with Single Back Panel

1. Prepare refractory brackets per the instructions in Section D.
2. Prepare the refractory spacers per the instructions in Section E.
3. Place the refractory spacers in six locations on the media tray. See Figure 23.
4. Locate the back refractory panel and two side refractory panels.
5. Install the back panel by placing it inside the firebox, on top of the refractory spacers and centering left to right as shown in Figure 20. The panel should contact the back of the firebox.

Note: The rear panel does not have a designated top and bottom side. It will fit inside the appliance either way.

6. Place two refractory brackets on the top of the panel, each approximately 12 inches from the left and right sides of the panel. Install the refractory brackets using the included self-tapping screws. See Figure 21 and Figure 22.



Figure 21 Position Refractory Brackets on Back Panel



Figure 22 Install Refractory Brackets

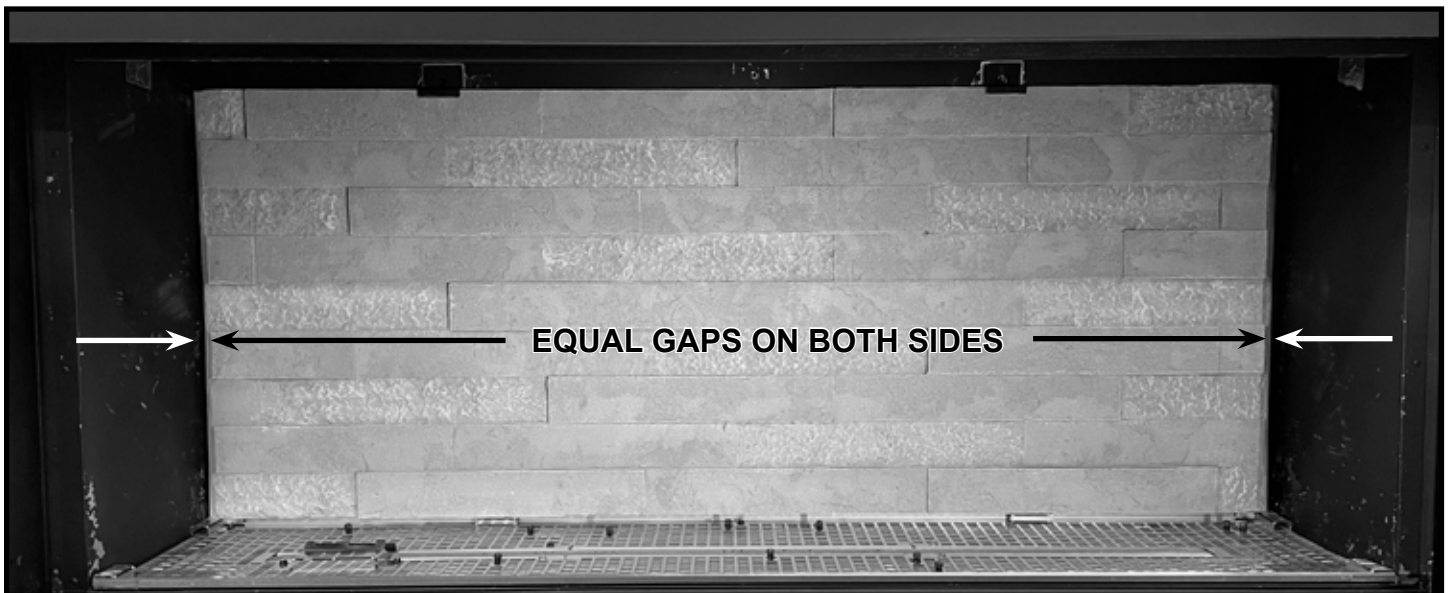


Figure 20 Center Back Panel

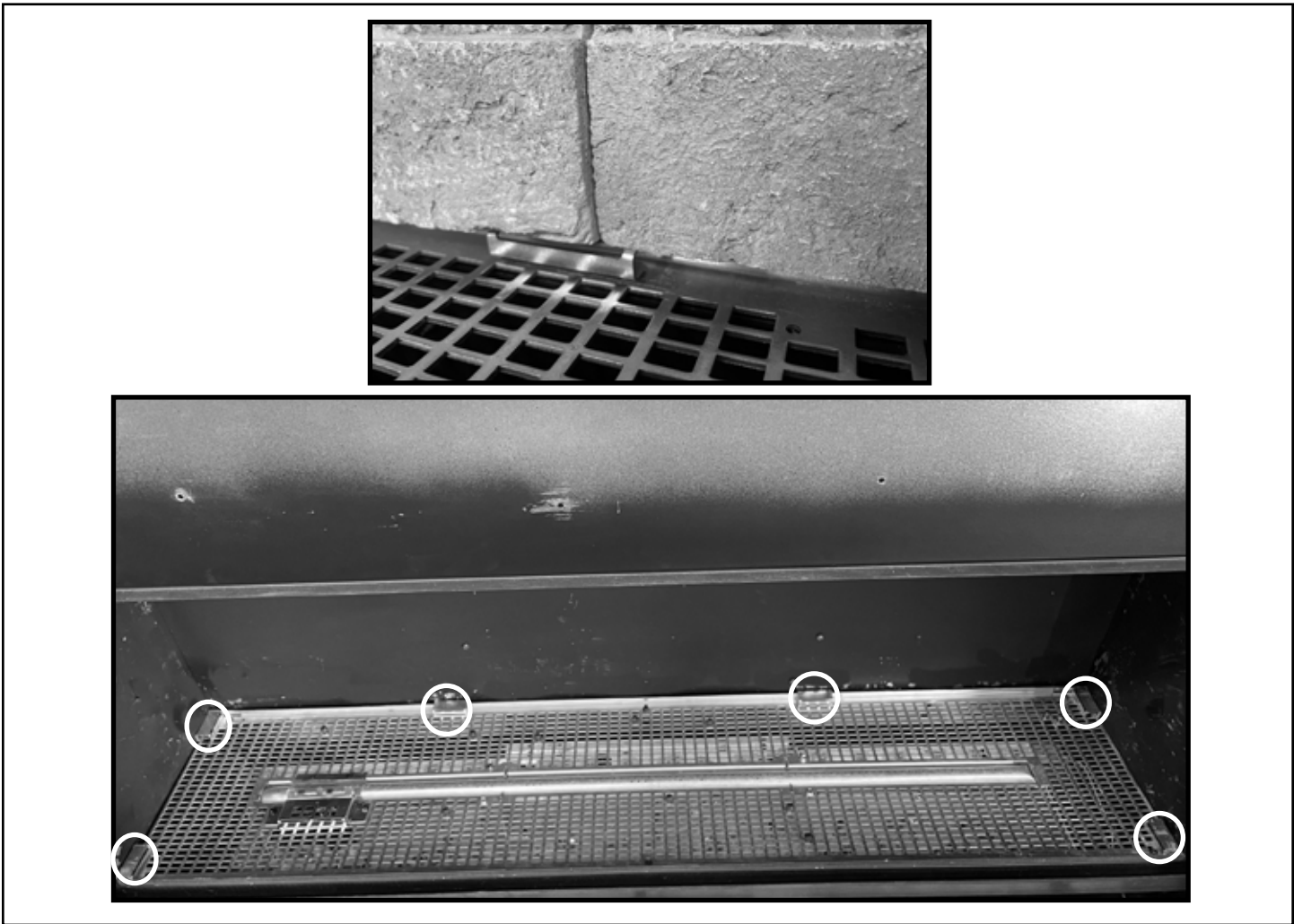


Figure 23 Refractory Spacers Positioned - Quantity 6 (PRIMO-II-48 Shown)

7. Locate the two side refractory panels.

Architectural Stone

Side panels will have a chamfered long edge that should be installed toward the back of the firebox. See Figure 24A.

Stone Column

Side panels will have a thick long edge that should be installed toward the back of the firebox. See Figure 24B.

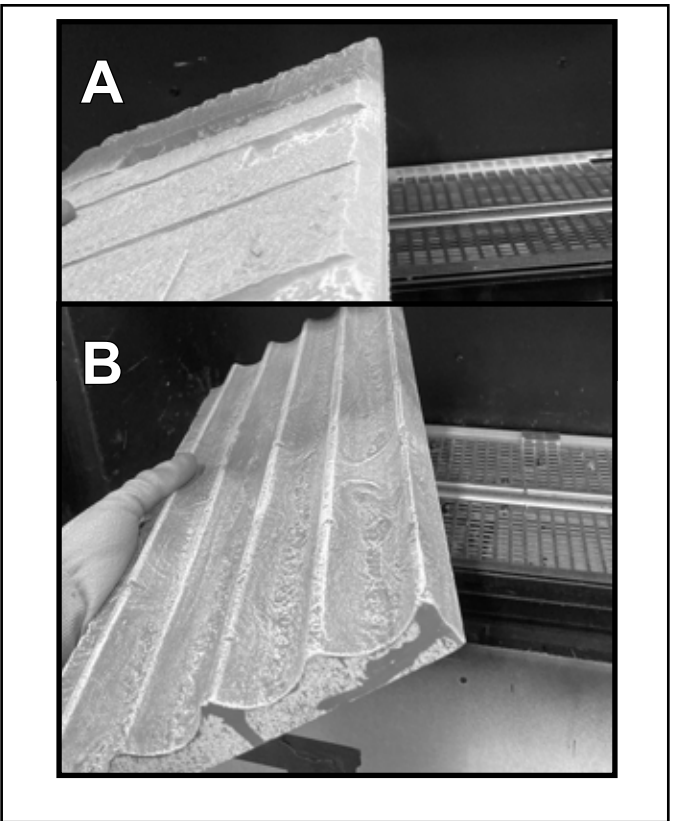


Figure 24 Architectural Side Panel Corner Chamfer (A) Stone Column Side Panel Thick Edge (B)

8. Install side panels one at a time. Place the side panel into the appliance on top of the refractory spacers as shown in Figure 25. Push it back to minimize gaps in the corner.
9. Install the refractory bracket and center it as shown in Figure 26.

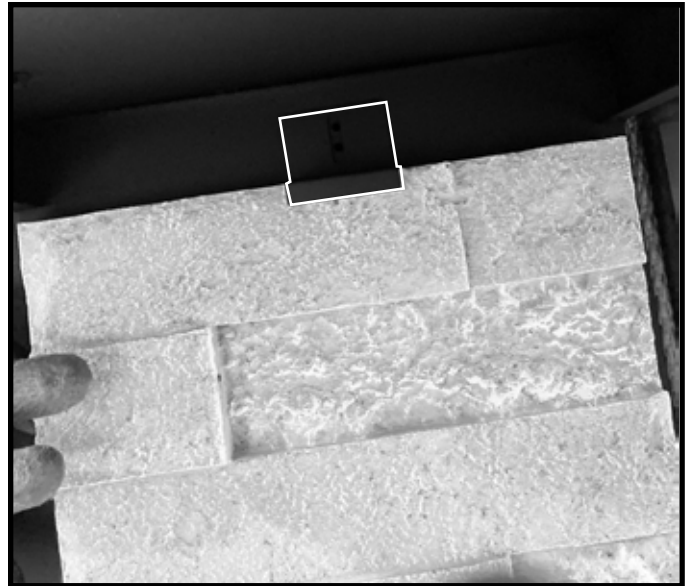


Figure 26 Center Refractory Bracket on the Panel

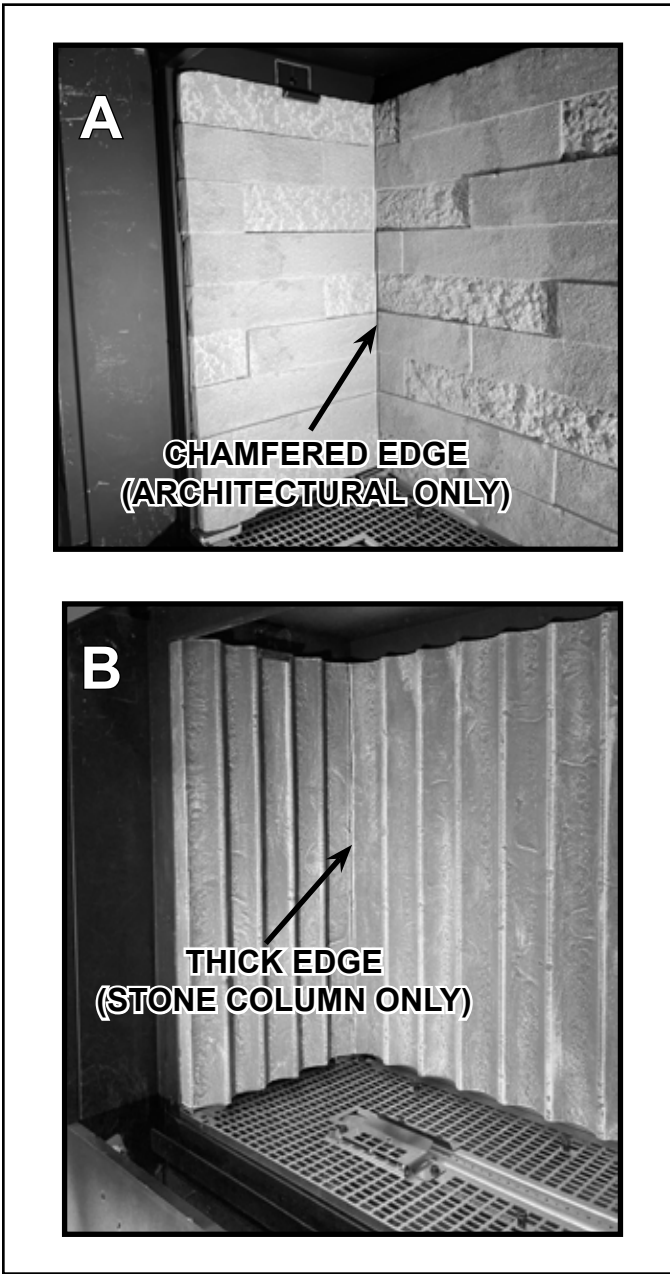


Figure 25 Side Panel Installed - Architectural Stone (A)
Stone Column (B)

10. Ensure that no gaps exist between the refractory panel and the firebox, then secure the refractory bracket with a self-tapping screw. See Figures 27 and 28.
11. Repeat installation procedure for refractory panel on the other side.
12. Adjust all four refractory brackets as needed per Figure 6.
13. Figure 29 shows the refractory kit installed.



Figure 27 Ensure No Gap Exists



Figure 28 Install Side Refractory Panel Bracket with Screw

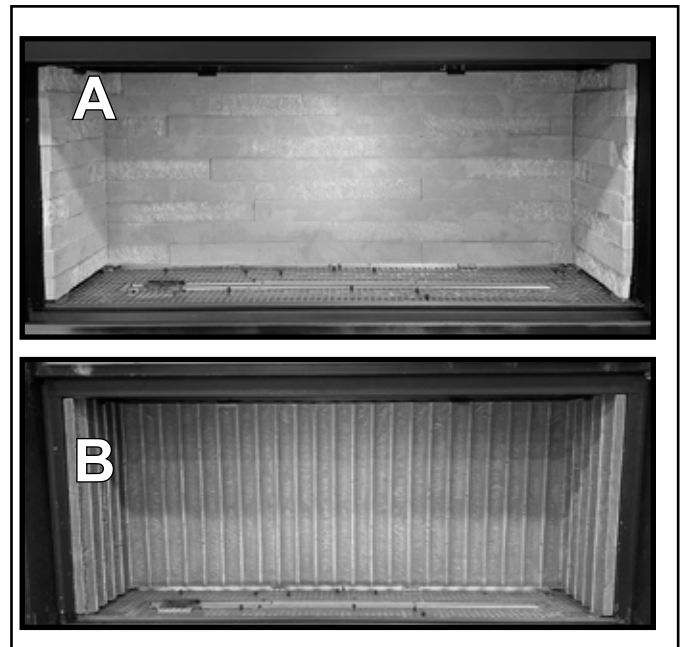


Figure 29 Architectural Refractory Installed (A)
Stone Column Refractory Installed (B)

Install Refractory Kit with Three Back Panels

1. Prepare refractory brackets per the instructions in Section D.
2. Prepare the refractory spacers per the instructions in Section E.
3. Place the refractory spacers in six locations on the media tray. See Figure 23.
4. Locate the three back refractory panels and the two side refractory panels.

Note: The panels do not have a designated left, right, top or bottom side.

5. Install the back left refractory panel on top of the refractory spacers and hold in place. The inside edge of the panel should only be placed on 1/2 of the refractory spacer when positioned properly to allow room for the center back refractory panel to be installed. See Figure 30 and Figure 31.
6. Install the left side refractory panel on top of the refractory spacers. Refer to Figure 23 and Figure 25.
7. Place the side refractory bracket in position and center it as shown in Figure 26. Fasten with a self-tapping screw. See Figure 32.
8. Repeat Steps 5, 6 and 7 on the right side. It will be a mirror image of the left side when completed properly.
9. Install the center back refractory panel and then place the remaining brackets on the seams in order to hold all back refractory panels in position. See Figure 33 and Figure 34.
10. Slide the three back panels left to right to minimize gaps between panels and in corners. See Figure 35.



Figure 30 Position Back Left Refractory Panel - Architectural Stone

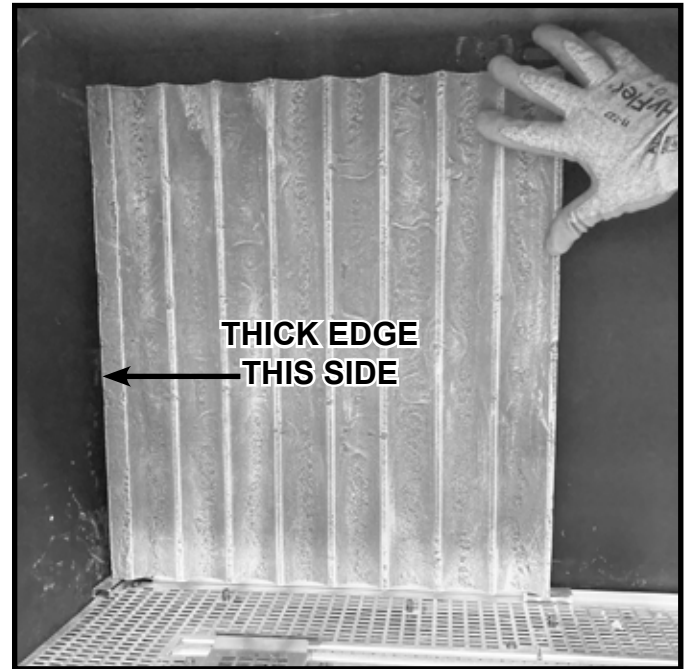


Figure 31 Position Back Left Refractory Panel - Stone Column

11. Install the refractory clip screws.
12. Make the necessary adjustments to all of the brackets as shown in Figure 6. Figure 36 shows the refractory kit installed.



Figure 32 Install Left Side Refractory Panel



Figure 33 Position Center Back Refractory Panel



Figure 34 Install Refractory Brackets on Back Panel Seams



Figure 35 Refractory in Place and Positioned to Minimize Gaps



Figure 36 Three Piece Back Architectural Refractory Installed (A)
Three Piece Back Stone Column Refractory Installed (B)

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