

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

These instructions are supplementary to the Installation and Operating Instructions supplied with the fireplace and should be kept together. Refer to the Installation and Operating Instructions for proper gas supply, safety requirements and operating instructions.



**TOWN & COUNTRY**  
L U X U R Y F I R E P L A C E S

## **TCWS54 SEE THRU LONG BEACH LOG INSTALLATION INSTRUCTIONS**



**INCLUDES INSTALLATION  
INSTRUCTIONS FOR  
PREREQUISITE DIAMOND  
BURNER KIT PART#  
TCWS.54NGST03D**

**PART#  
TCWS.54LOGDW For  
TCWS54ST and  
TCWS54ST Indoor/Outdoor  
Series D Fireplaces**

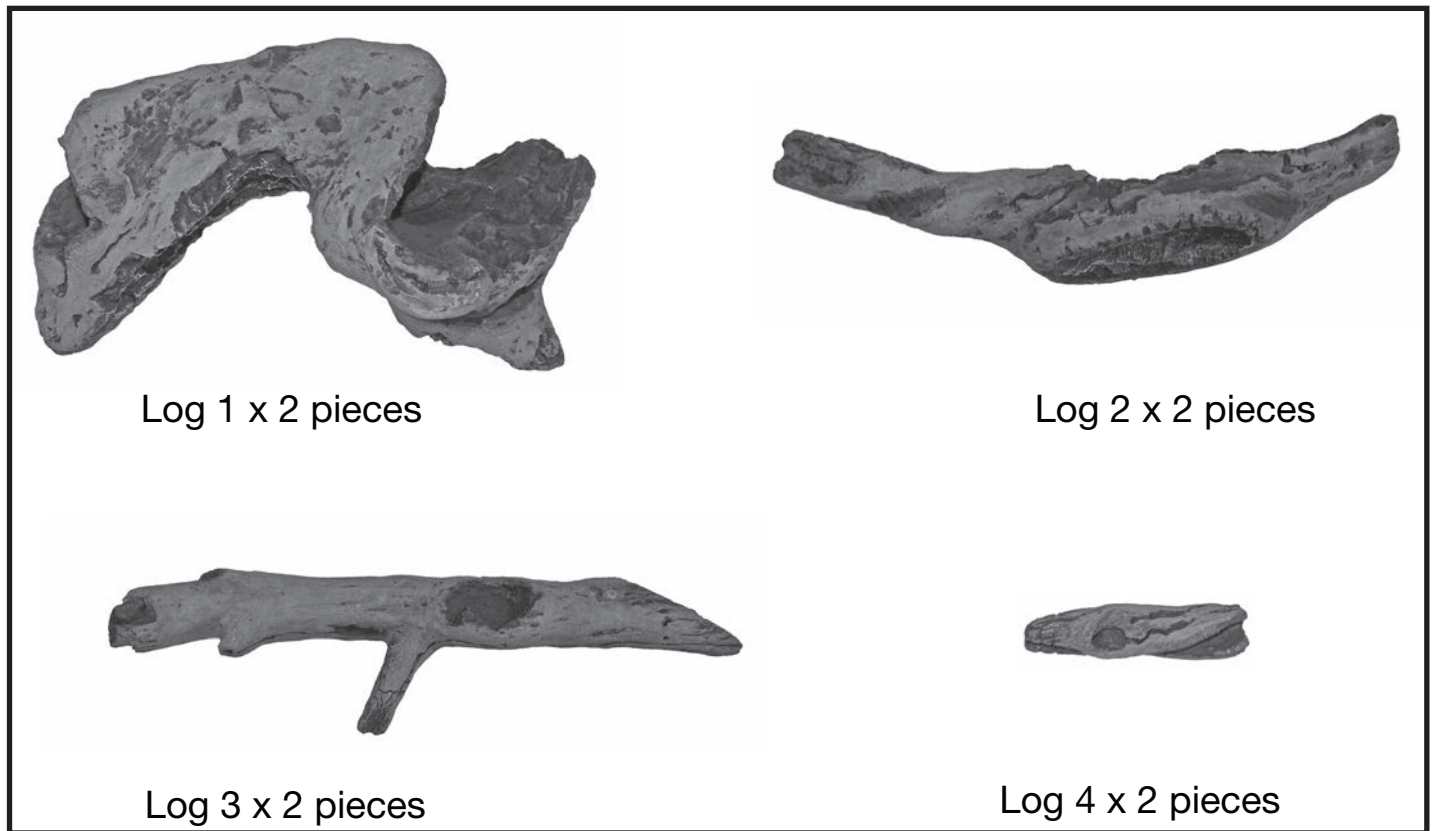


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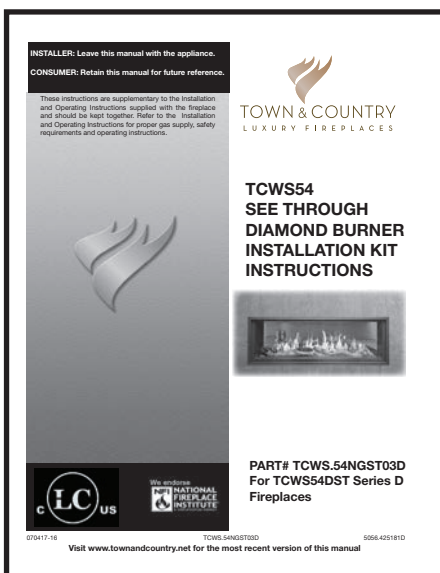
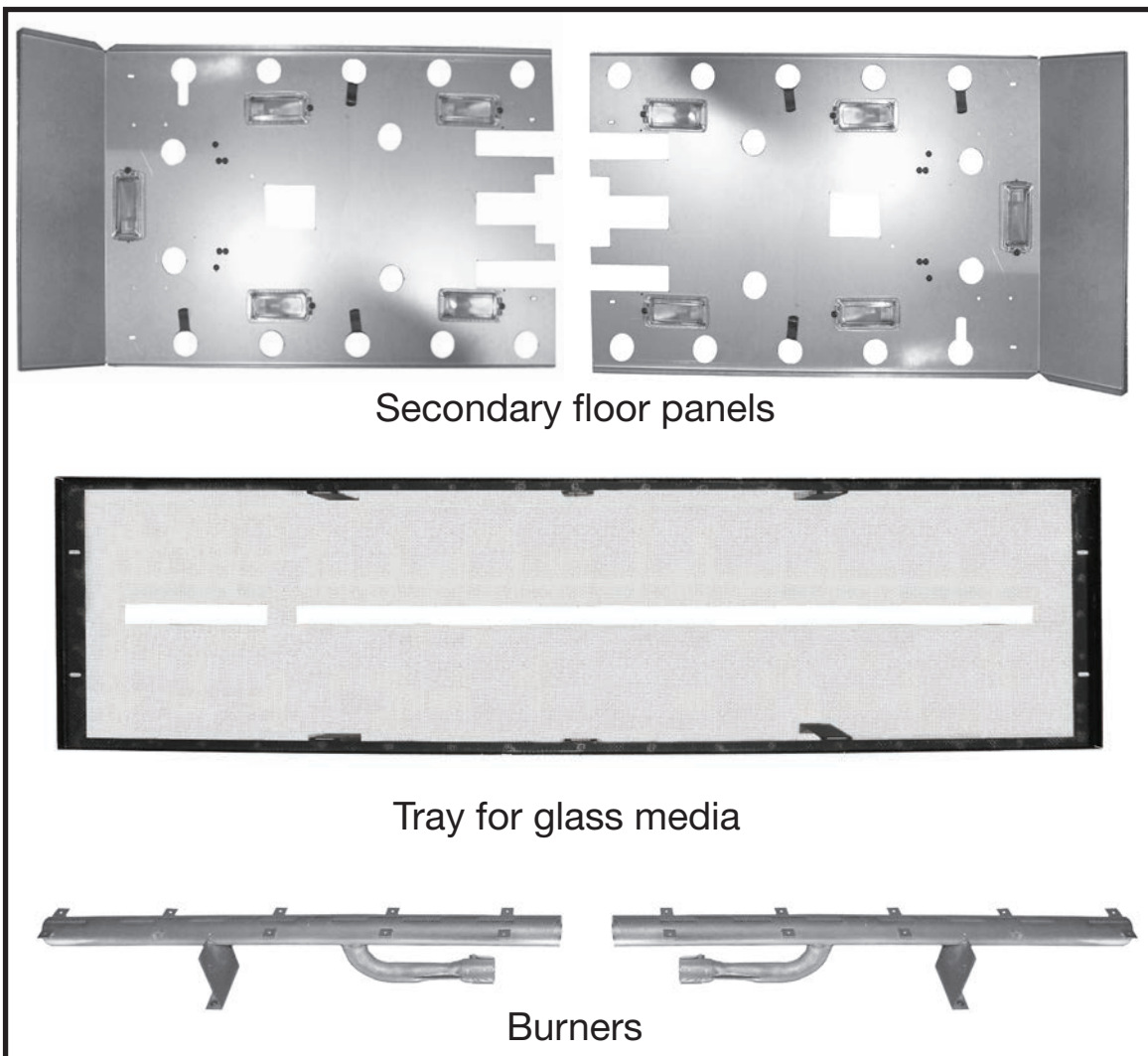
**If converting this unit from natural gas to propane gas, consult the fireplace installation manual for instructions.**

## Long Beach Log Set Package Contents





## Contents of Diamond Burner Kit Package



## Diamond Burner Installation

**NOTE:** For purposes of clarity, the “Front” of the fireplace shall be the side which has access to the electrical connection compartment cover, the connection to the gas valve and the side which places the control compartment cover and the coaxial vent located on top of the fireplace to your left.



Figure 1: Inserting secondary floor panel into the right side.

1. With the control compartment to your left, place one of the two secondary floor panels in the right side of the firebox (Figure 1) and route the two wires from the lights underneath the plate over to the left hand side of the firebox (Figure 2).

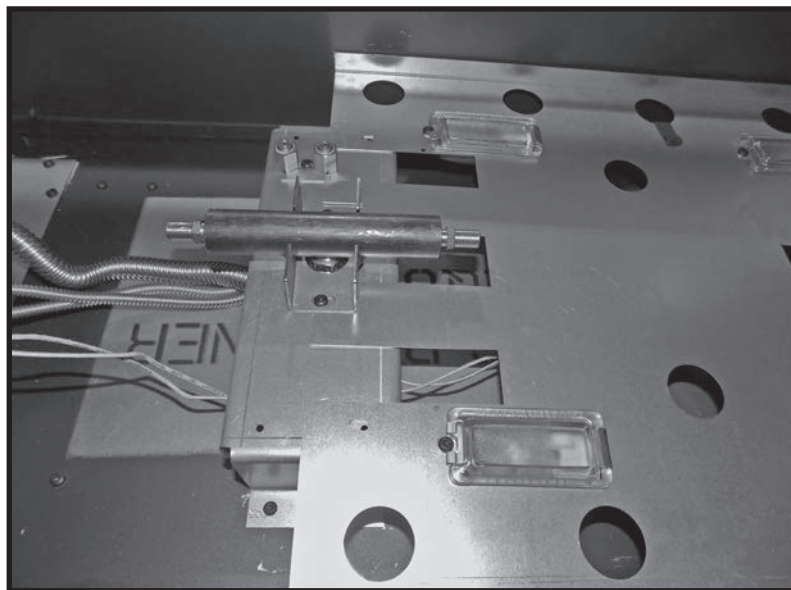


Figure 2: Right hand panel in place with its wires brought out from under it.



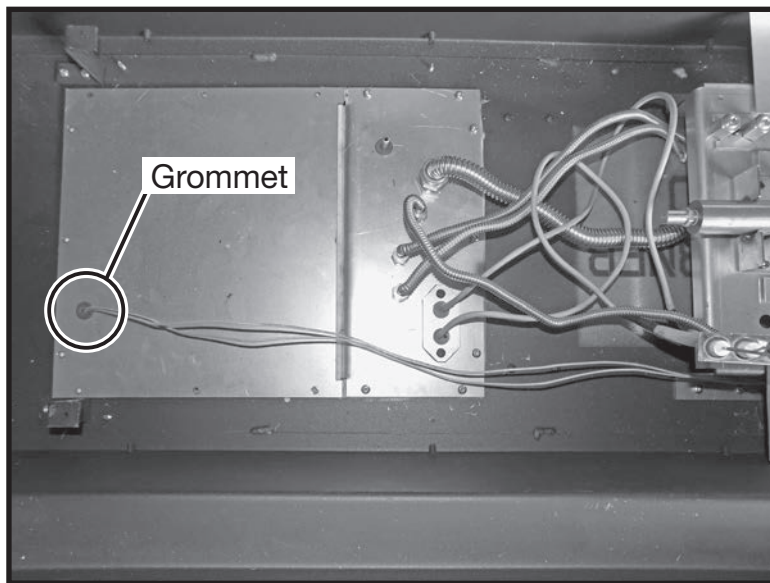


Figure 3: Wires through grommet.

2. Feed the two wires from the right side secondary floor panel down through the left most grommet over the gas control compartment cover (Figure 3).
3. Insert the other secondary floor panel into the left side of the firebox. As the panel is lowered, feed its two lights wires into the same grommet as was done with the wires from the right hand floor panel. Also feed the pilot assembly through the square opening in the panel (Figure 4).

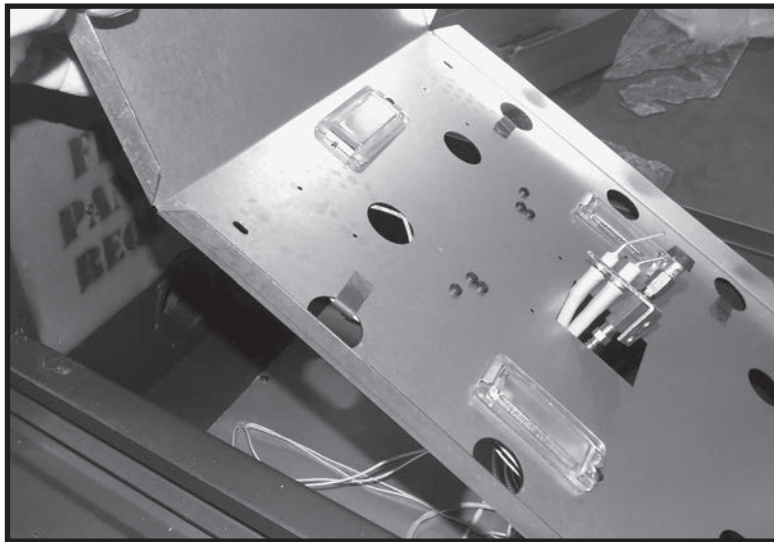


Figure 4: Inserting secondary floor panel into the left side.





Figure 5: Lights wiring coming from grommet.

4. Guide the four light wires from the bottom of the gas control compartment out through the opening as shown in Figure 5.
5. From inside the control compartment, punch out one of two available knockouts located in the electrical connection compartment, install a plastic grommet (not included) to protect the wires and feed the wires into the compartment. (Figure 6).

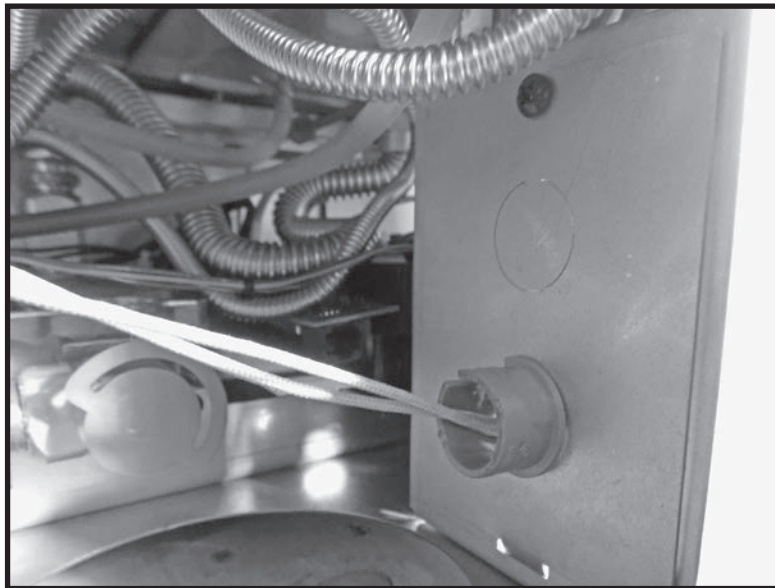


Figure 6: Threading wires through knockout.





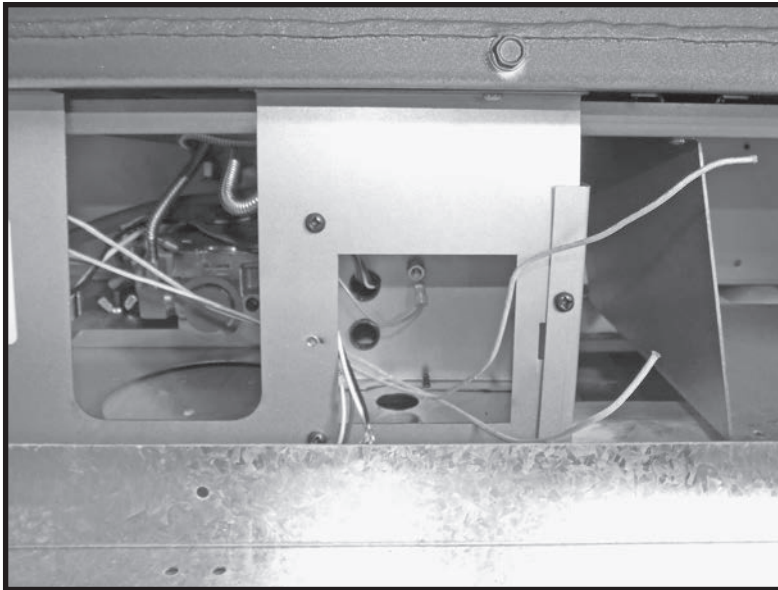


Figure 7: Bringing wires through front plate.

6. Remove the electrical connection compartment cover and feed all four lights wires through the opening. The lights wiring will connect to the wiring that supplies the fire place power (Figure 7).
7. Connect the wires to a switched 120 VAC, 60Hz, 3A power supply, one pair made up of one wire from the left and one wire from the right light set to the “HOT” incoming line. The remaining pair to the “Neutral” incoming line. See “Lights Wiring Diagram” on page 13. Reinstall the electrical connection compartment cover.
8. Return to the firebox and secure the two secondary floor panels with four T20 screws for each of the two panels.
9. From the REAR of the fireplace, position one of the two burners on an angle and attach the pilot assembly to the burner leg using two Robertson screws provided (Figure 8). Note that the pilot will be positioned on an angle.

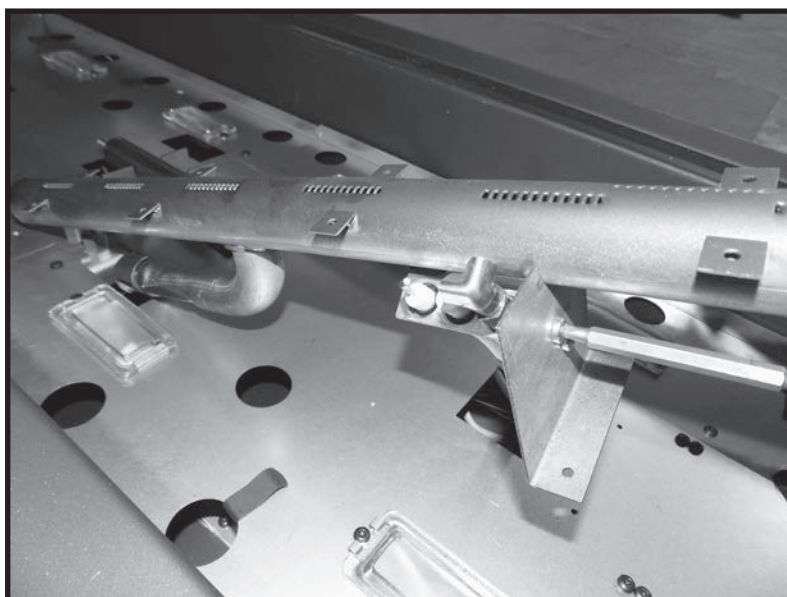


Figure 8: Attaching the pilot assembly to the burner leg.



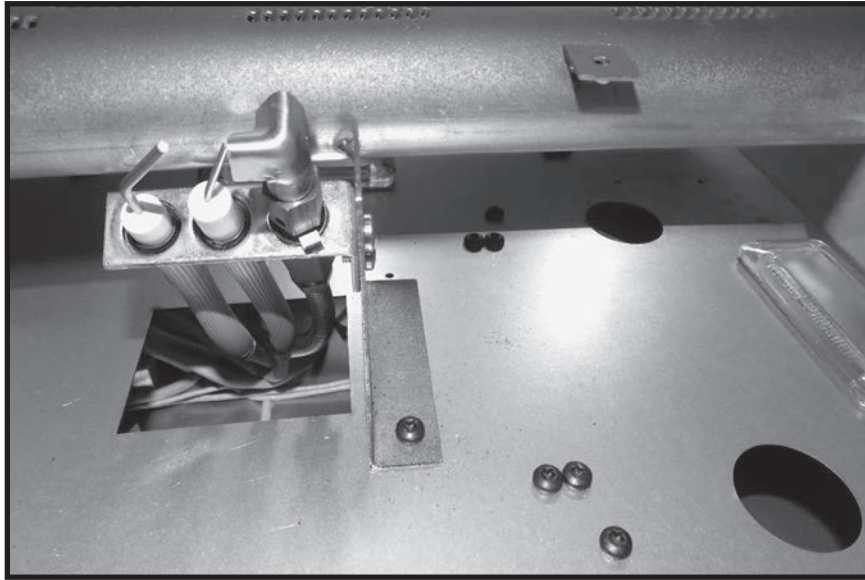


Figure 9: Securing the burner leg to the secondary floor panel.

10. Slip the gas burner venturi over the orifice and screw the burner leg to the secondary floor panel using a T20 screw (Figure 9).
11. Place the second burner in the firebox so that its venturi fits over the second orifice. Secure the leg to the secondary floor panel.

**NOTE:** Check air shutter for correct fuel setting before proceeding further. Both burner shutters are to be set the same. Fully closed for NATURAL GAS and 3/16" open for LIQUID PROPANE.

**CAUTION:** The burners should be tightly butted up against each other at the center to ensure correct operation.

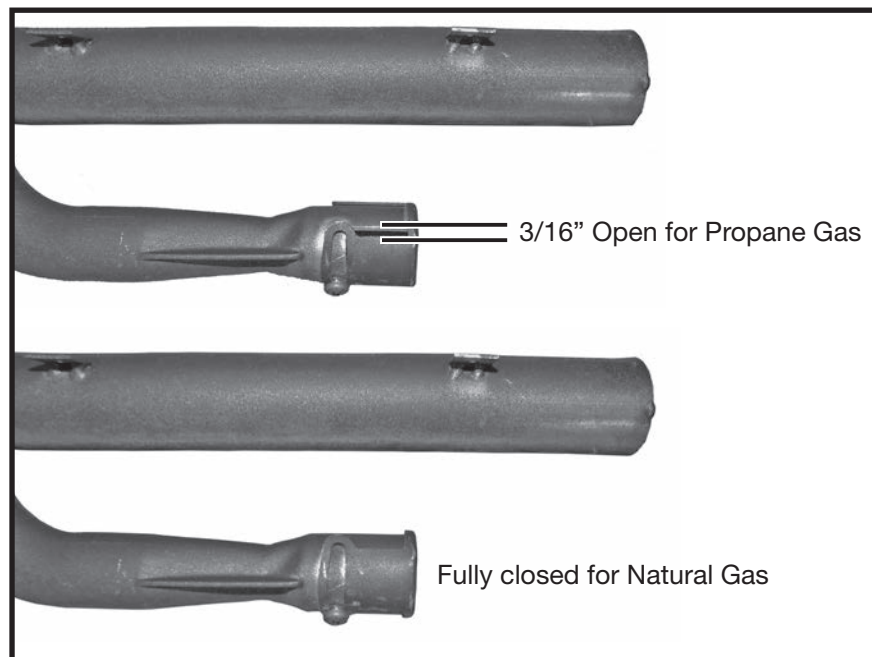


Figure 10: Shutter gap settings.





12. Remove the panel retainer clips from both sides of the upper firebox in preparation for side panel installation (Figure 11). There are two clips on each side of the firebox.

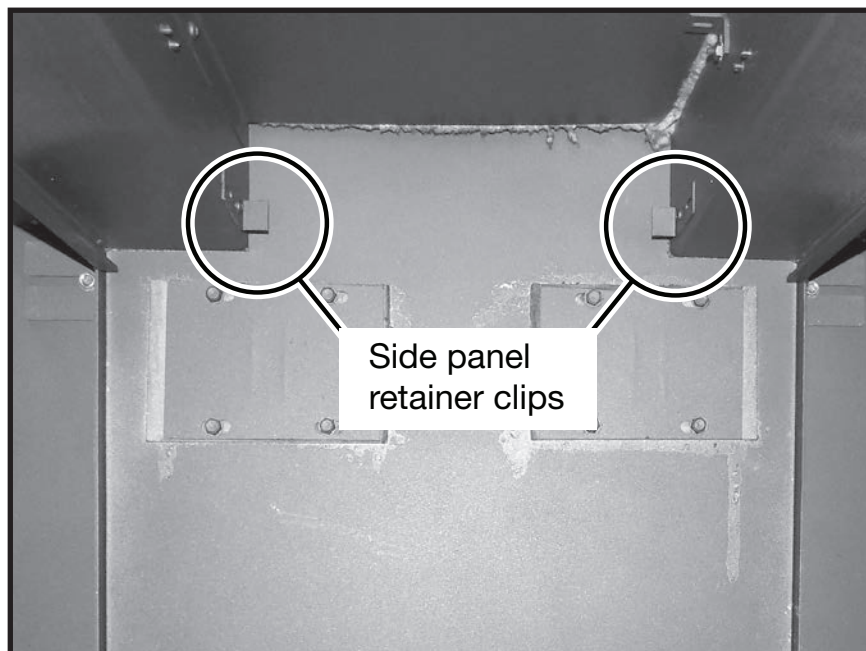


Figure 11: Side panel retainer clips location.



Figure 12: Side panel.



Figure 13: Side panel installation.

13. Insert both side panels (Figure 13).



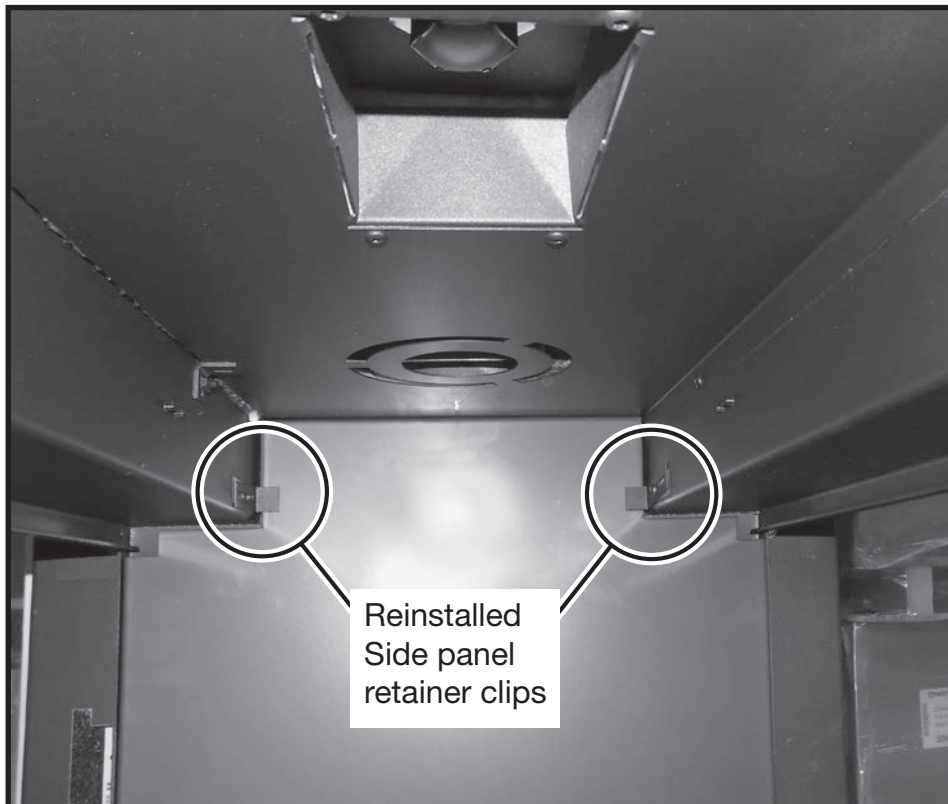


Figure 14: Reinstalled side panel retainer clips.

14. Reinstall the side panel retainer clips (Figure 14) .
15. Place mesh burner tray over top of the burners so that its legs rest on the secondary floor. The side of the tray with the mesh strip crossing over from one side to the other must be positioned over top of the pilot assembly. Screw down the ends of the tray to the ledge of the side panels - two on each side (Figure 15).

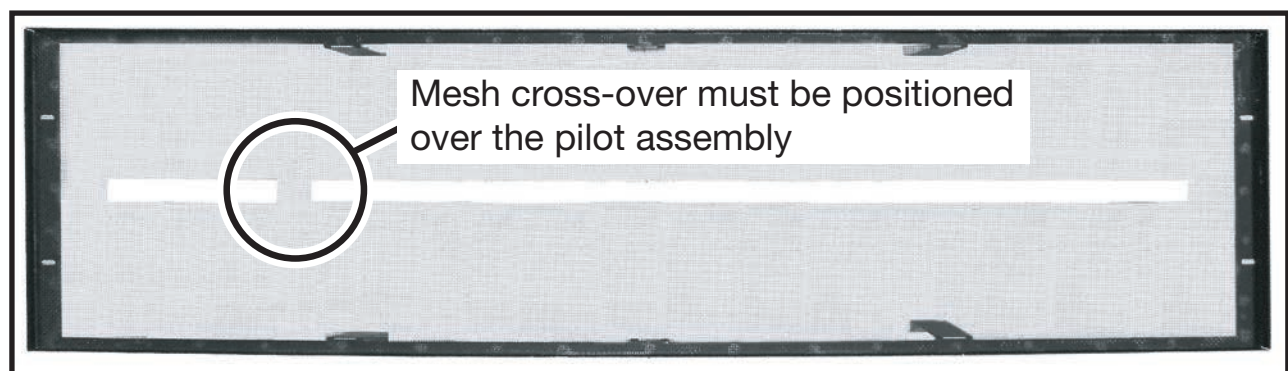


Figure 15: Burner Tray.



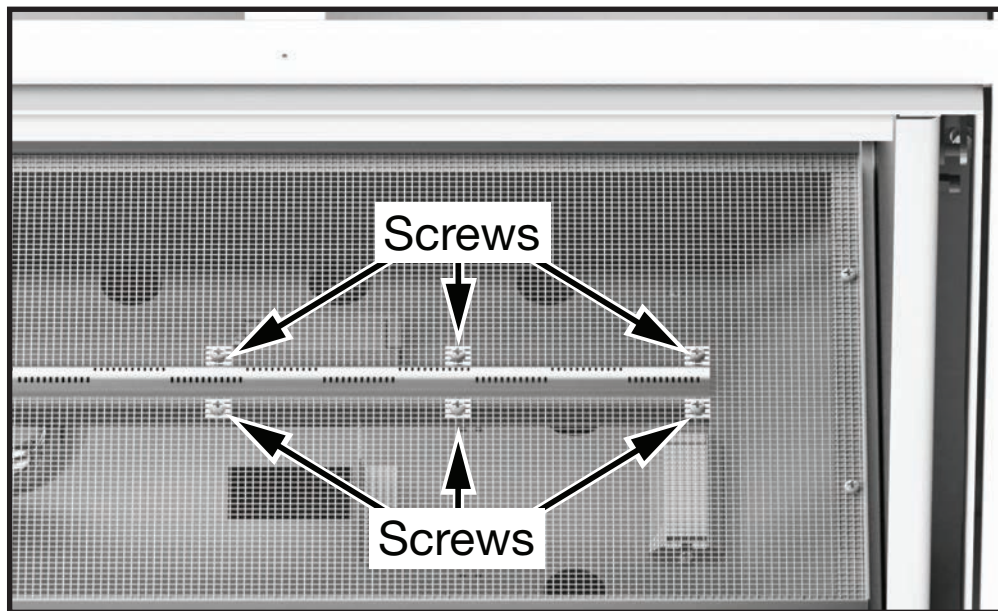


Figure 16: Mesh burner tray installation.

16. Secure the mesh to the burners with screws provided by screwing through the mesh to each small flange on the burners. There are 10 securing points for each burner (Figure 21).
17. Place the two porcelain edge panels into the fireplace with the narrow edge facing the center of the fireplace (Figure 17 and Figure 18). The edge panels rest in place and are not screwed down.

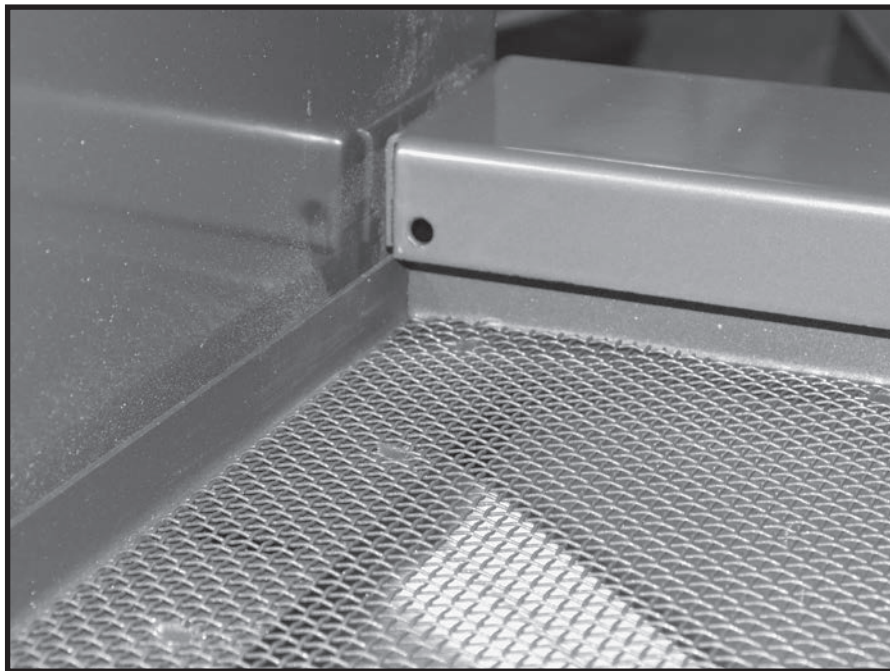


Figure 17: Edge panels.





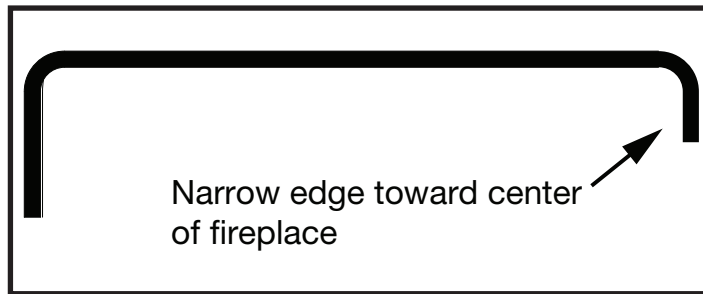


Figure 18: Edge panel profile.



Figure 19: Bump in mesh for pilot flame.

18. Spread the three bags of glass media evenly over the entire mesh tray, leaving only the small protrusion above the pilot flame clear of glass (Figure 19).
19. Install the glass doors to finish the Diamond Burner Kit installation. Continue with the Long Beach log set installation on page 14.



# Lights Wiring Diagram

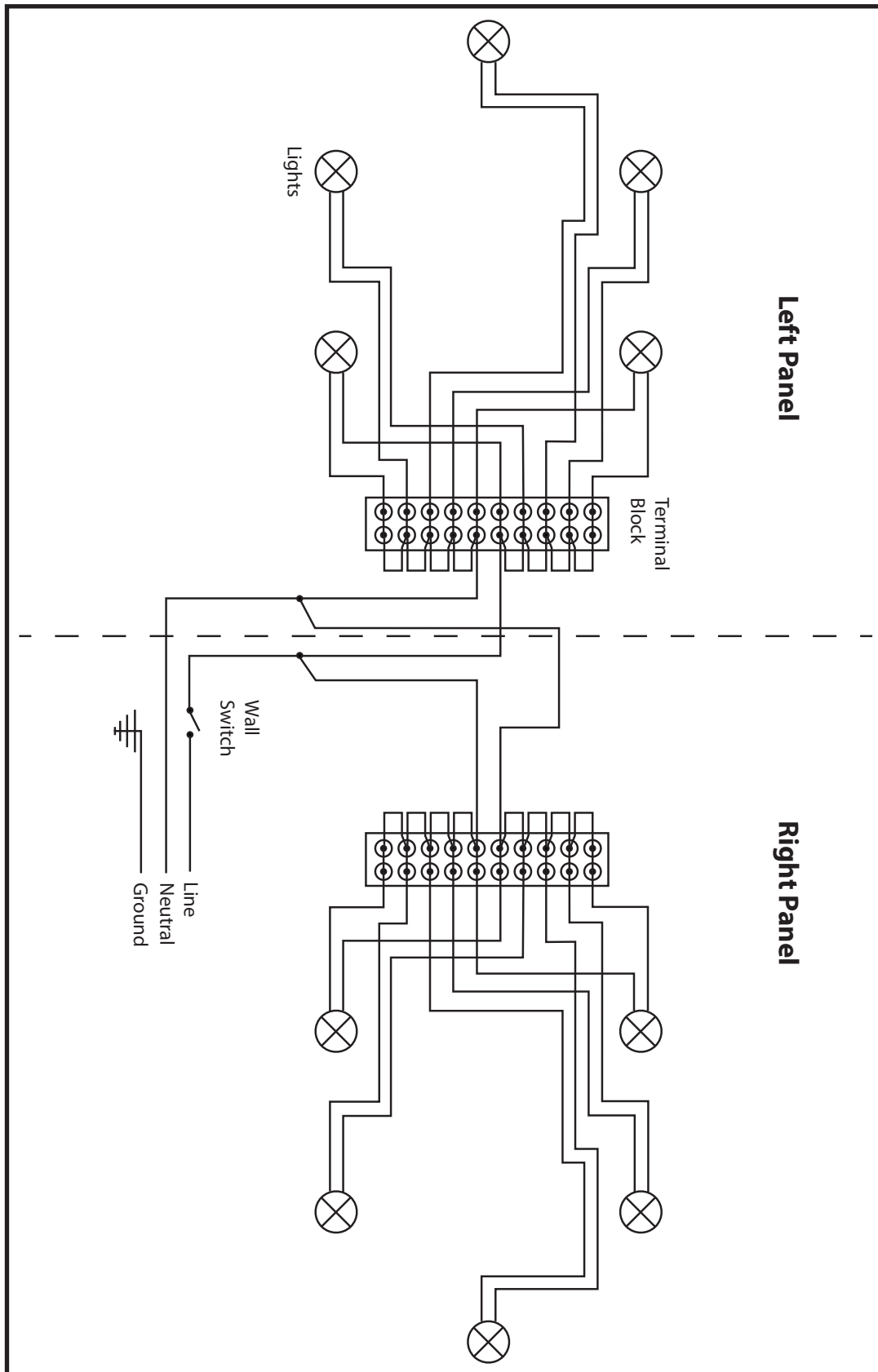


Figure 20: TCWS54ST lights wiring diagram.

# Long Beach Log Set Installation

## Log Placement

The Long Beach Log Set consists of four pair of logs for a total of eight logs. Four of the logs will cover one half of the circumference of the glass tray while the other four will duplicate the pattern of the first four. Images shown exclude the Diamond glass placement for clarity.

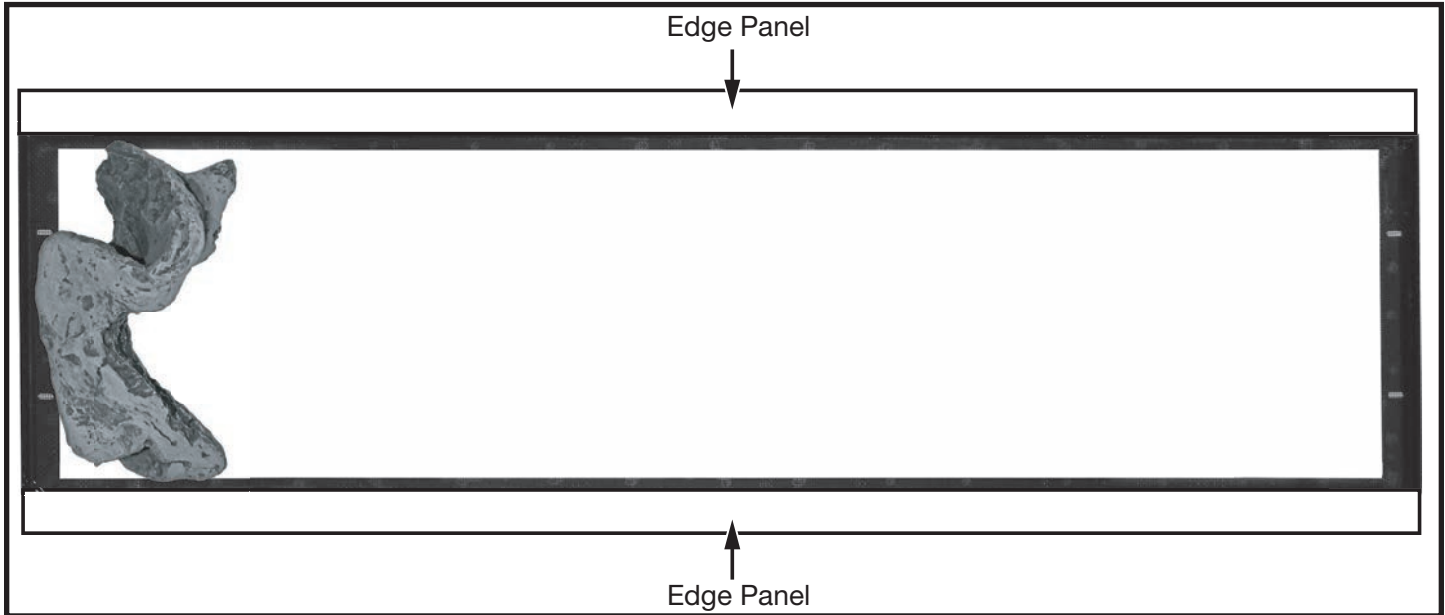


Figure 21: Log 1 Placement.

1. Place log 1 so that its' outer edge is almost at the furthest edge of the tray (Figure 21).
2. Place the 2nd log so that the middle of it overhangs the tray itself and rests on the edge panel as shown in Figure 22. Note that there is a location post for the 3rd log at one end of the 2nd log. This location post should have a vertical alignment.

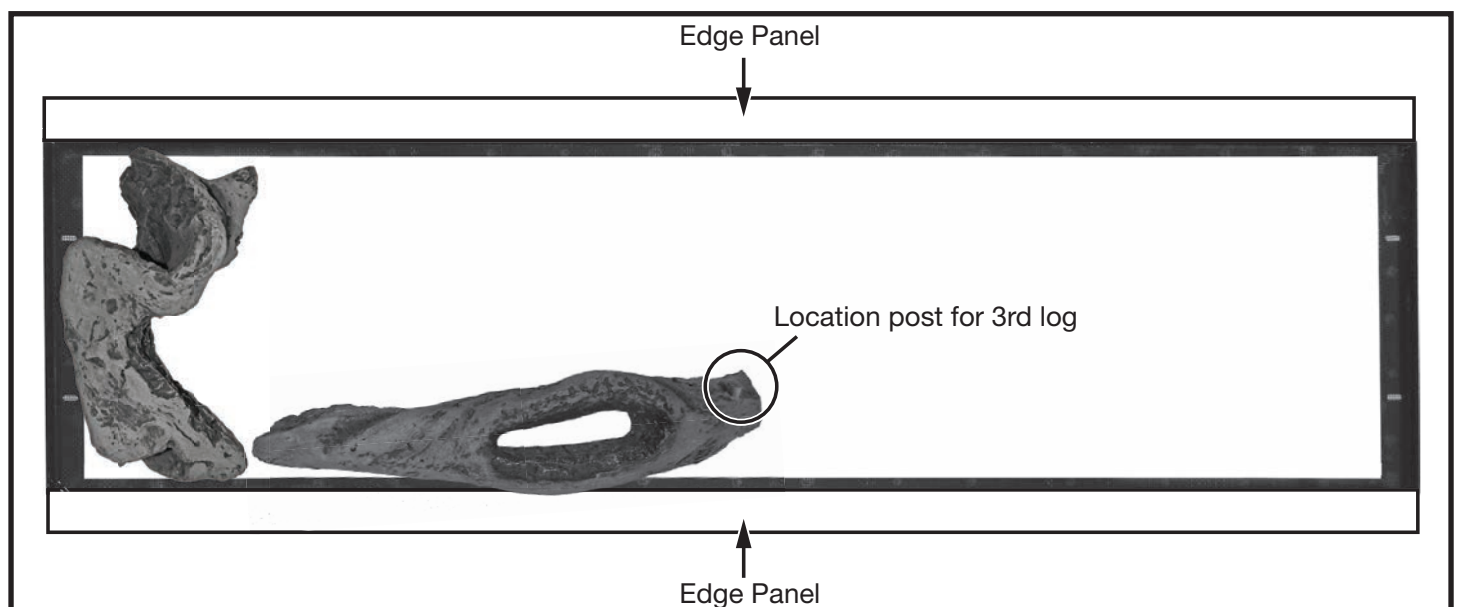


Figure 22: Log 2 placement.



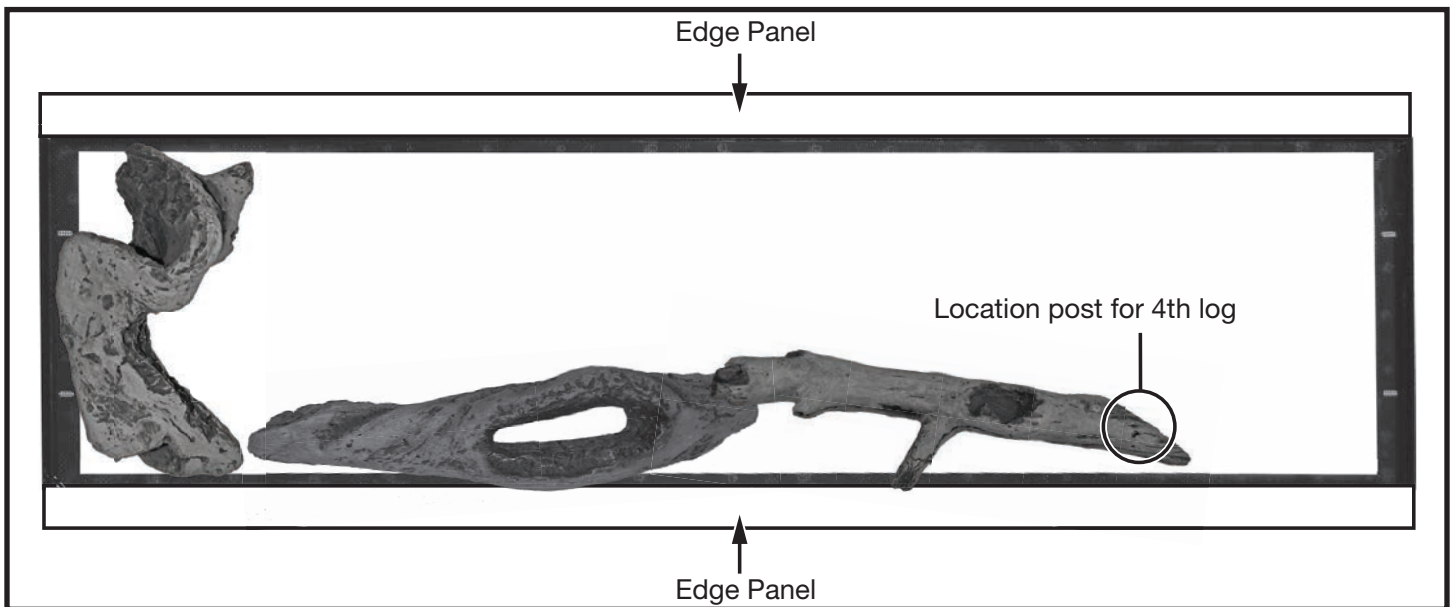


Figure 23: Log 3 placement.

3. The 3rd log has a socket on the bottom of one end which will fit onto the location post of the 2nd log. Once the socket and location post have been mated, move the opposite end of the 3rd log toward the edge panel so that its' middle branch is resting on the edge panel (Figure 23).
4. The 4th log also has a socket which will fit over top of the location post of the 3rd log. Fit the 4th log over the location post and let the opposite end rest on the glass at about a 1 o'clock position (Figure 24).

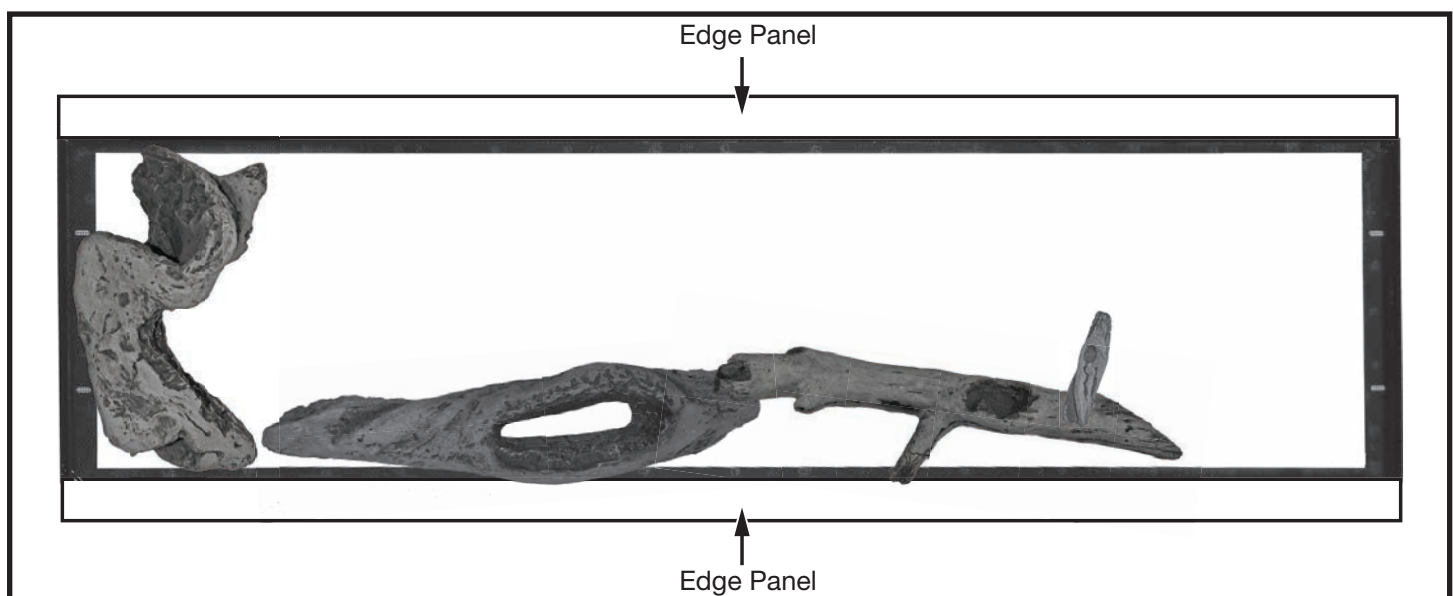


Figure 24: Log 4 placement.

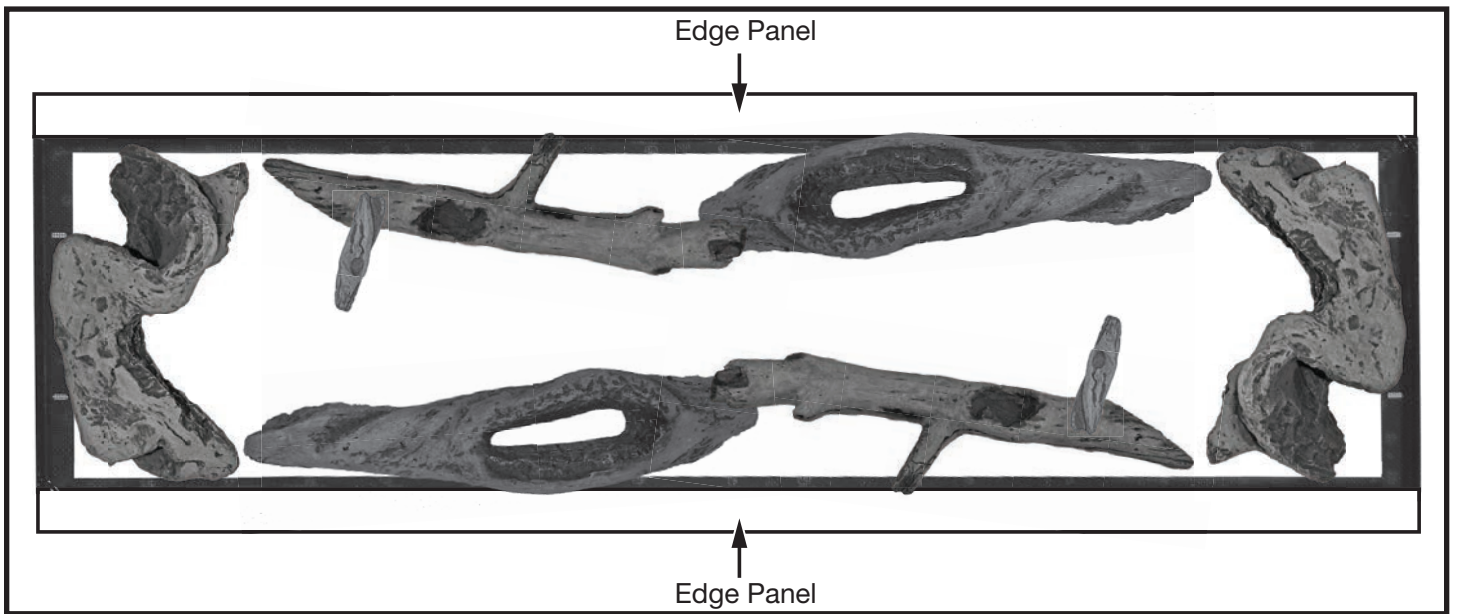


Figure 25: Completed log placement.

5. Repeat the previous steps to complete the log set installation (Figure 25).



Figure 26: Example of desirable flame pattern.









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