



Log Placement Instructions

Models: NBST27-F

⚠ WARNING!

The positioning of the logs is critical to the safe, clean operation of this gas log set. Sooting and other problems may result if the logs are not properly positioned per these instructions. Failure to position in accordance with the diagrams below, or failure to use only parts specifically approved for this log set may result in property damage or personal injury.

⚠ WARNING

- **Gloves are recommended when handling logs to prevent skin irritation from loose fibers. Logs are fragile - handle with care.**
- **Use only rock wool provided with log set.**
- **DO NOT ADD ADDITIONAL ROCK WOOL.**

Wash hands after placing rock wool. Itching may occur.

A. Log Placement

Begin on Side A, valve on left as you face the fireplace.

1. Place log #1 on burner by aligning two (2) holes on bottom of log with two (2) pins on burner. The tallest part of the log is on the valve side of burner. Gently push log down until it comes in contact with burner surface. *Figure 5.1*

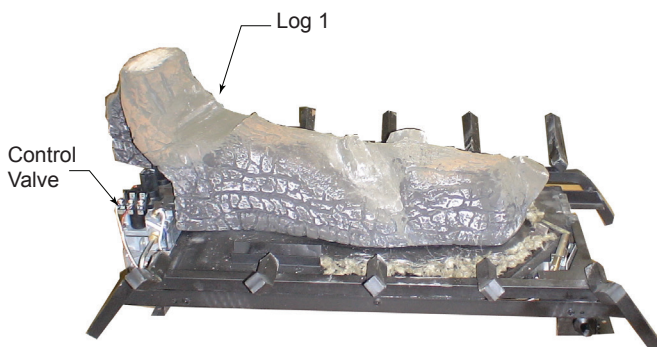


Figure 1 - Place Log #1

2. Place log #2 on left grate tines by aligning the 'V' notches in the log with grate tines. The groove on the bottom of the log should be firmly seated on the grate bar. *Figure 2*

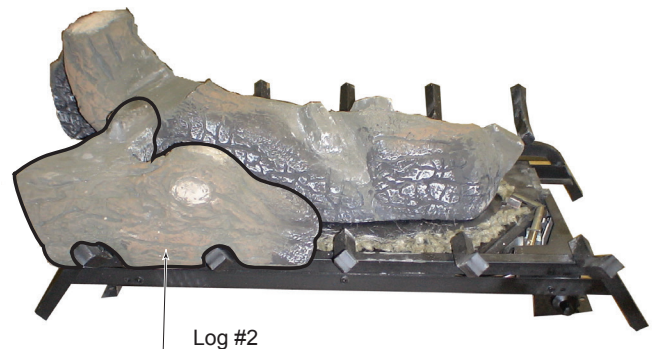


Figure 2 - Place Log #2

3. Place log #3 on farthest right grate tine by aligning the 'V' notch in log with grate tine. The groove in the bottom of the log should sit on the filler bracket surrounding the pilot assembly. *Figure 3*

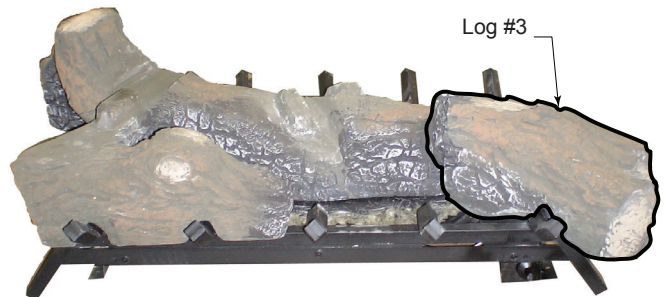


Figure 3 - Place Log #3

- Place log #4 by aligning the 'V' notch on bottom of log with horizontal grate bar between tines as shown in *Figure 20*. Place the rectangular notch on bottom of log onto the matching rectangular protrusion on log #1. *Figure 4*

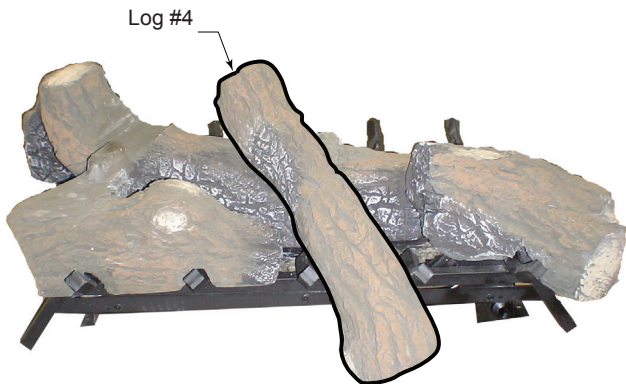


Figure 4 - Place Log #4

- Place log #5 by placing rectangular notch on bottom of log onto matching rectangular protrusion on log #2. Make sure ember or 'burnt' portion of log is facing center of burner. *Figure 5*

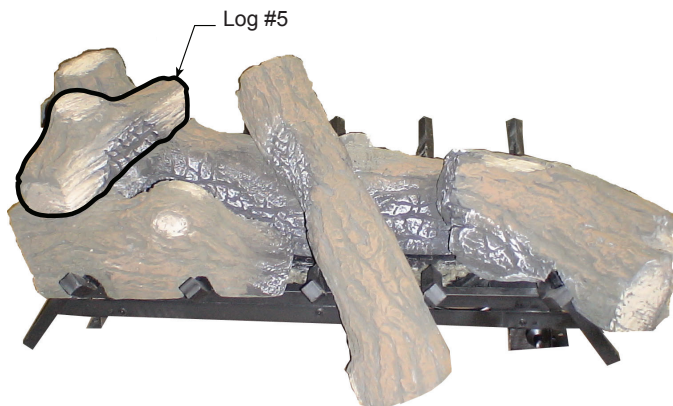


Figure 5 - Place Log #5

Continue on Side B, valve on right as you face the fireplace.

- Place log #6 on pilot end of burner by aligning the 'V' notch in bottom of log with the filler bracket surrounding the pilot. Place the rectangular notch in the bottom of the log onto the rectangular protrusion on the end of log #1. *Figure 6*

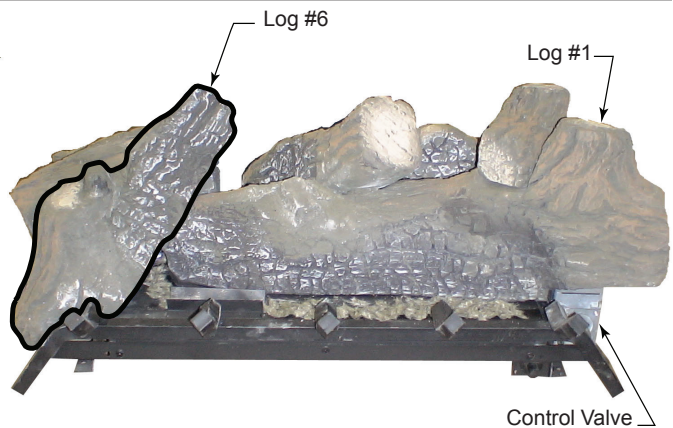


Figure 6 - Place Log #6

- Place log #7 on left two (2) grate tines by aligning the 'V' notch in log with grate tines. Make sure groove on bottom of log is firmly seated on grate bar. *Figure 7*

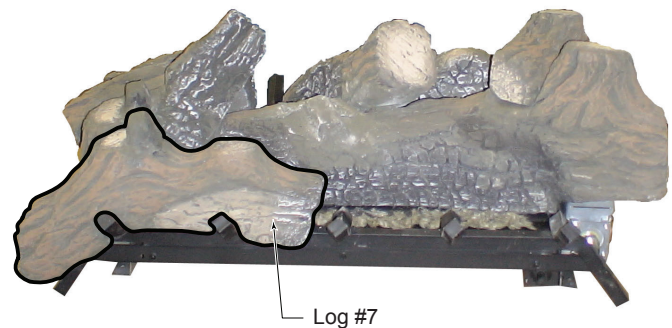


Figure 7 - Place Log #7

- Place log #8 by aligning 'V' notch in bottom of log with the horizontal grate bar between tines as shown in *Figure 24*. Place the rectangular notch on bottom of log onto rectangular protrusion on middle of log #1. *Figure 8*

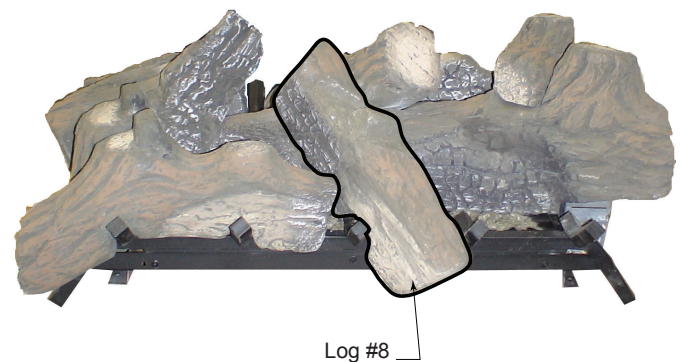


Figure 8 - Place Log #8

- Place log #9 on farthest right grate tine by aligning 'V' notch in bottom of log with grate tine. Place rectangular notch in bottom of log onto rectangular protrusion on log #8. *Figure 9*



Figure 9 - Place Log #9

- Place log #10 by aligning two (2) rectangular notches on bottom of log with rectangular protrusions on logs #6 & #7. Make sure the ember or 'burnt' area of log is facing center of burner. *Figure 10*

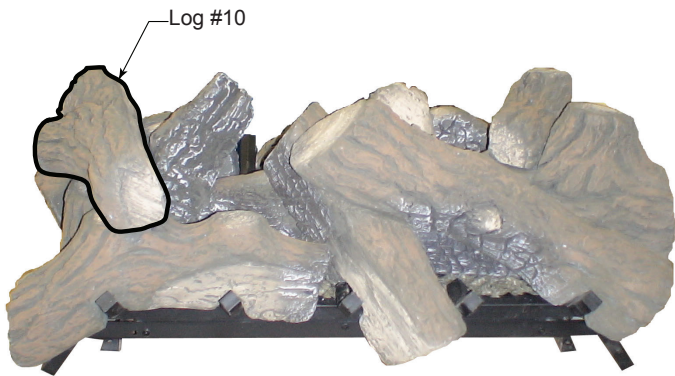


Figure 10 - Place Log #10

B. Place Decorative Rock

The volcanic rocks are shipped with your log set. The volcanic rocks may be placed around the unit on the floor of the firebox. Be sure to avoid any areas on the burner itself

CAUTION

DO NOT sprinkle volcanic rocks on the logs, around the pilot, nor near the burners. This may cause sooting. Place volcanic rocks only on the floor of the fireplace. During initial operation of the new heater, new burning logs and/or rock wool will give off a paper burning smell and orange flames will be present. Simply open the windows for a few hours to vent the odor.

C. Flame Appearance

Flames from the pilot and burner should be visually checked as soon as the heater is installed. In addition, periodically check the flames visually during operation.

Check the Pilot Flame (refer to lighting instructions)

The pilot flame must always be present when the heater is in operation. It should just touch the top of the thermocouple tip for natural. Refer to Figure 11 for correct pilot flame.

If the pilot flame does not touch the thermocouple, then the main burner cannot function reliably. Figure 12 for incorrect shape of pilot flame.

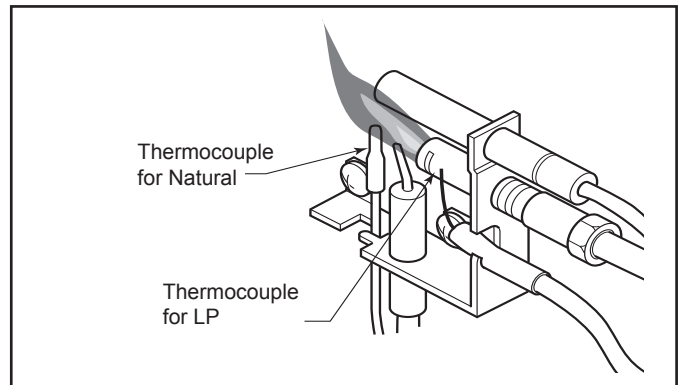


Figure 10 - Correct Appearance of Pilot Flame

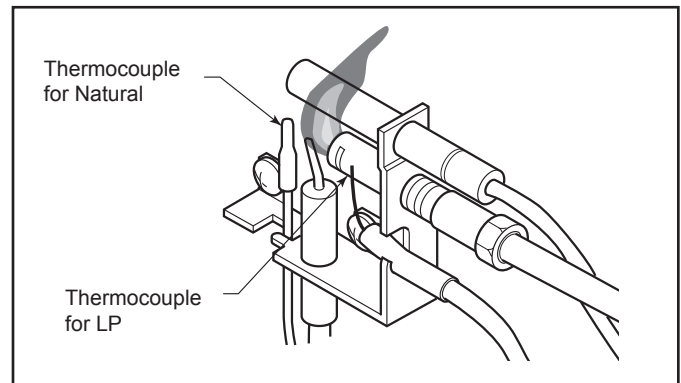


Figure 11 - Incorrect Appearance of Pilot Flame

In normal operation at full rate after 15 minutes, the following flame appearances should be observed:

Burner will have a random pattern of yellow flames as shown in Figure 12. There should be glowing embers on the front burner. **NOTE: The front flames and embers will be an opaque orange color during the burn off time.**

CAUTION: After a 15 minute pre-heat period, observe all yellow flames to ensure there is no impingement with any log. If any yellow flame is contacting any log, turn off log set and allow to cool. Remove all logs and carefully re-install following log placement instructions precisely. Relight burner and check again for impingement of any flame on log. If flame impingement cannot be eliminated, contact your installer or dealer for assistance. Flame impingement on logs may create soot and possible property damage.



Figure 12 - Correct Appearance of Rear Flames

⚠ WARNING: This part is designed to be used with a product that operates with one of the following fuel sources: liquid propane, natural gas, wood, or wood pellets. This product and the fuel used to operate this product, and the products of combustion of such fuel, can expose you to chemicals including benzene and carbon black which are known to the State of California to cause cancer, and carbon monoxide which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. For a complete list of warnings and safety instructions for this product, download the Owner's Manual at www.hearthnhome.com

D. Operating Instructions

Avoid any drafts that alter burner flame patterns. Do not allow fans to blow directly into the fireplace. Do not place a blower inside the burn area of the firebox. Ceiling fans may create drafts that alter flame patterns. Sooting and improper burning will result.

During manufacturing, fabricating and shipping, various components of this appliance are treated with certain oils, films or bonding agents. These chemicals are not harmful, but may produce annoying smoke and smells as they are burned off during the initial operation of the appliance, possibly causing headaches or eye or lung irritation. *This is a normal and temporary occurrence.*

The initial break-in operation should last four hours with the burner at the highest setting. Provide maximum ventilation by opening windows or doors to allow odors to dissipate. Any odors remaining after this initial break-in will be slight and will disappear with continued use.

This appliance must not be used with glass doors in the closed position. This can lead to pilot outages and severe sooting outside the fireplace.



LOVE AT FIRST LIGHT

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