EMPIRE
COMFORT SYSTEMS
SINCE 1932

INSTALLATION INSTRUCTIONS

(SEE HOMEOWNER MANUAL FOR OPERATING INSTRUCTIONS)

BIRCH LOGS



LS40CBB Shown

INSTALLER:

Leave this manual with the appliance.

CONSUMER:

Retain this manual for future reference.

⚠ WARNING

FIRE OR EXPLOSION HAZARD

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**
- **WHAT TO DO IF YOU SMELL GAS**
  - **Do not try to light any appliance.**
  - **Do not touch any electrical switch; do not use any phone in your building.**
  - **Leave the building immediately.**
  - **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
  - **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

LOG SET MODEL LS(36,40)CBB

For Use With DVCT(36,40) Fireplaces

GAS-FIRED c UL us LISTED

⚠ WARNING

If not installed, operated and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or from fuel combustion which can cause death or serious illness.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

Please See Our Website For Log Assembly Videos.

TABLE OF CONTENTS

SECTION	PAGE
LS(36,40)CBB Log Sets	3
Log Identification LS(36,40)CBB	4 - 5
Log And Ember Placement LS(36,40)CBB	6
Log Placement LS(36,40)CBB	7 - 22
Master Parts Distributor List	23
How To Order Repair Parts	23

LS(36,40)CBB - LOG SETS

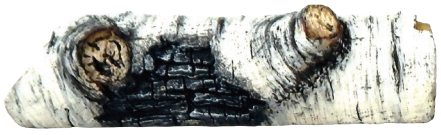


LS36CBB - LOG SET

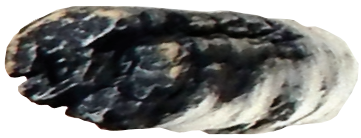


LS40CBB - LOG SET

LOG IDENTIFICATION - LS(36,40)CBB

PART NO. & DESCRIPTION LS36CBB	PART NO. & DESCRIPTION LS40CBB	TOP VIEW	FRONT VIEW
R12966 Top View Middle Ember Bed 1	R12980 Front View Ember Bed 1		
R12967 Top View Left Rear Ember Bed 2	R12981 Front View Ember Bed 2		
R12968 Top View Right Rear Ember Bed 3	R12982 Front View Ember Bed 3		
R12969 Top View Log (A)	R12983 Front View Log (A)		
R12970 Top View Log (B)	R12984 Front View Log (B)		
R12971 Top View Log (C)	R12985 Front View Log (C)		
R12972 Top View Log (D)	R12986 Front View Log (D)		

LOG IDENTIFICATION - LS(36,40)CBB

PART NO. & DESCRIPTION LS36CBB	PART NO. & DESCRIPTION LS40CBB	TOP VIEW	FRONT VIEW
R12973 Top View Log (E)	R12987 Front View Log (E)		
R12974 Top View Log (F)	R12988 Front View Log (F)		
R12975 Top View Log (G)	R12989 Front View Log (G)		
R12976 Top View Log (H)	R12990 Front View Log (H)		
R12977 Top View Log (I)	R12991 Front View Log (I)		
R12978 Top View Log (J)	R12992 Front View Log (J)		
36747 - Coals (100)			

LOG AND EMBER PLACEMENT LS(36,40)CBB

NOTE: Install liners before logs. See separate Liner Installation manual for details.

⚠ CAUTION

Do not handle these logs with your bare hands. Always wear gloves to prevent skin irritation from ceramic fibers. After handling the logs, wash your hands gently with soap and water to remove any trace of fibers.

Accessing the Interior of the Fireplace
See Homeowners Manual for instruction on how to remove the barrier screen and glass door.

Log Set Installation
The positioning of the logs is critical to the safe and clean operation of this fireplace. Sooting and other problems may result if the logs are not properly and firmly positioned in the fireplace. Please refer to **(Figure 1)** and the following WARNING when completing log placement instructions. For step by step log placement instructions, **(See Pages 9 - 24).**

⚠ WARNING

Failure to position the parts in accordance with this diagram or failure to use only parts specifically approved with this fireplace may result in property damage or personal injury.

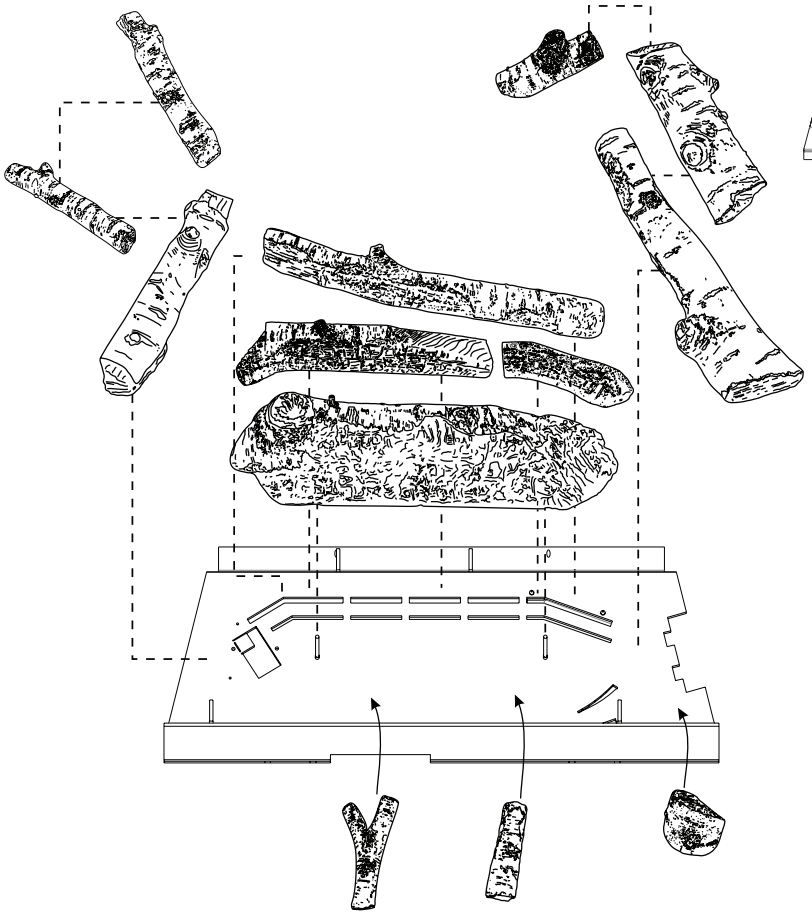


Figure 1
Burner Pin Location

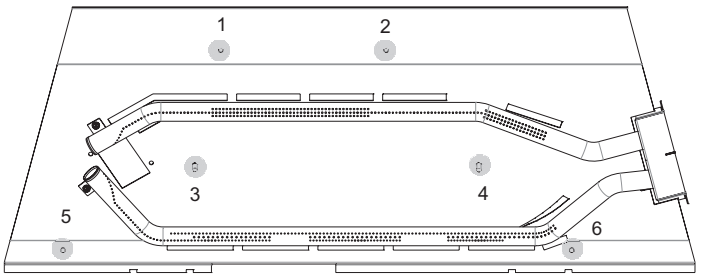


Figure 2

Glowing Embers Information

1. Carefully separate the ember material into small amounts (no larger than “dime-size” pieces).
   a. Fluffed up pieces of ember material one layer thick will produce the best ember glow. Do not place more than one layer of ember material onto the burner. Excess ember material will decrease the ember glow effect.
   b. Save any remaining ember material for future applications (as needed).

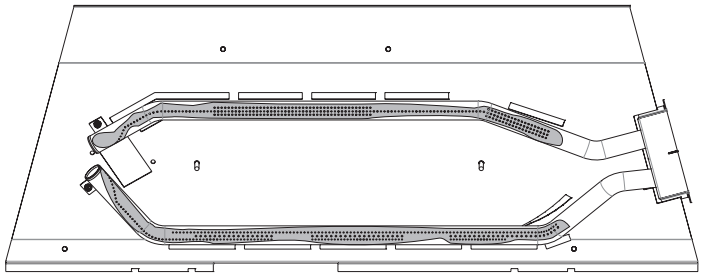
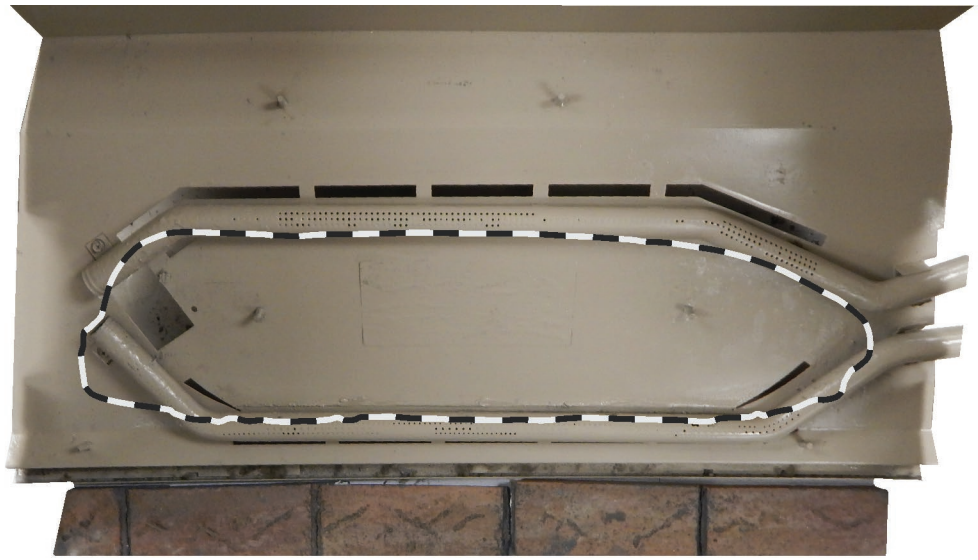


Figure 3

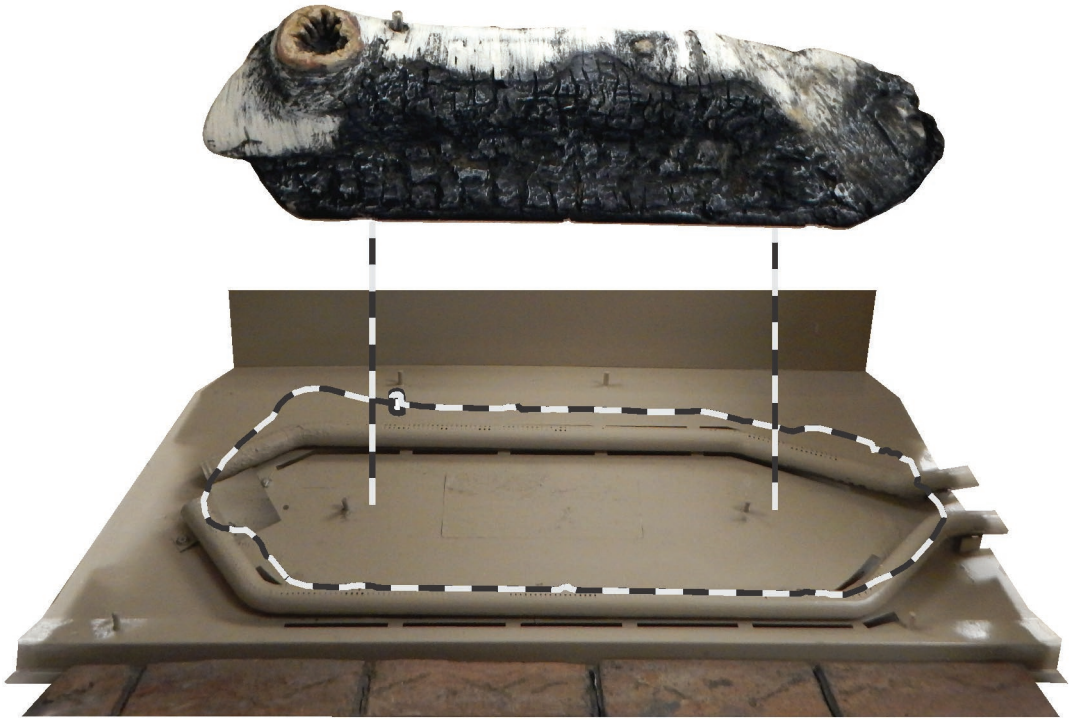
Video of log installation available on our website at:
www.empirecomfort. com.

LOG PLACEMENT LS(36,40)CBB

1. Place **Ember Bed 1** onto burner base pins (3) and (4) - located between the front and rear burner tubes.



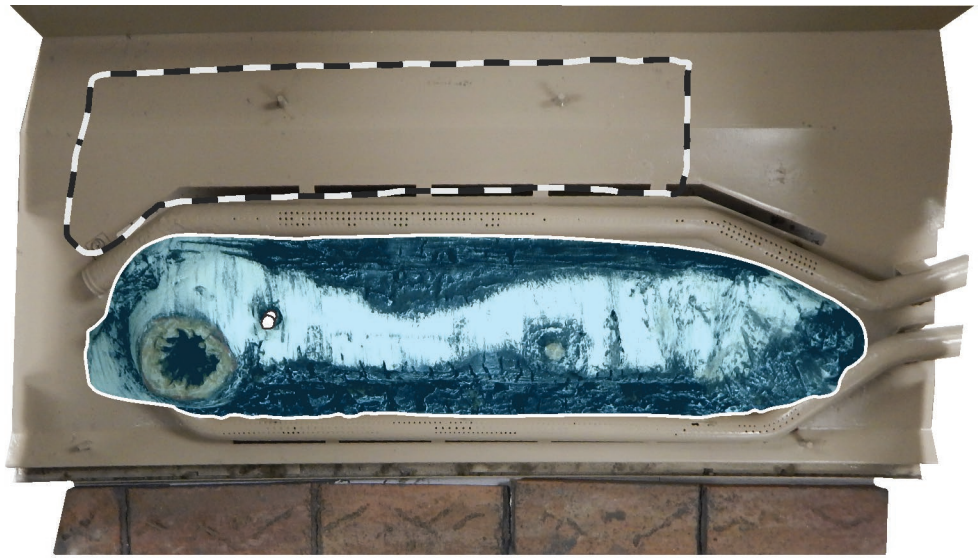
TOP VIEW



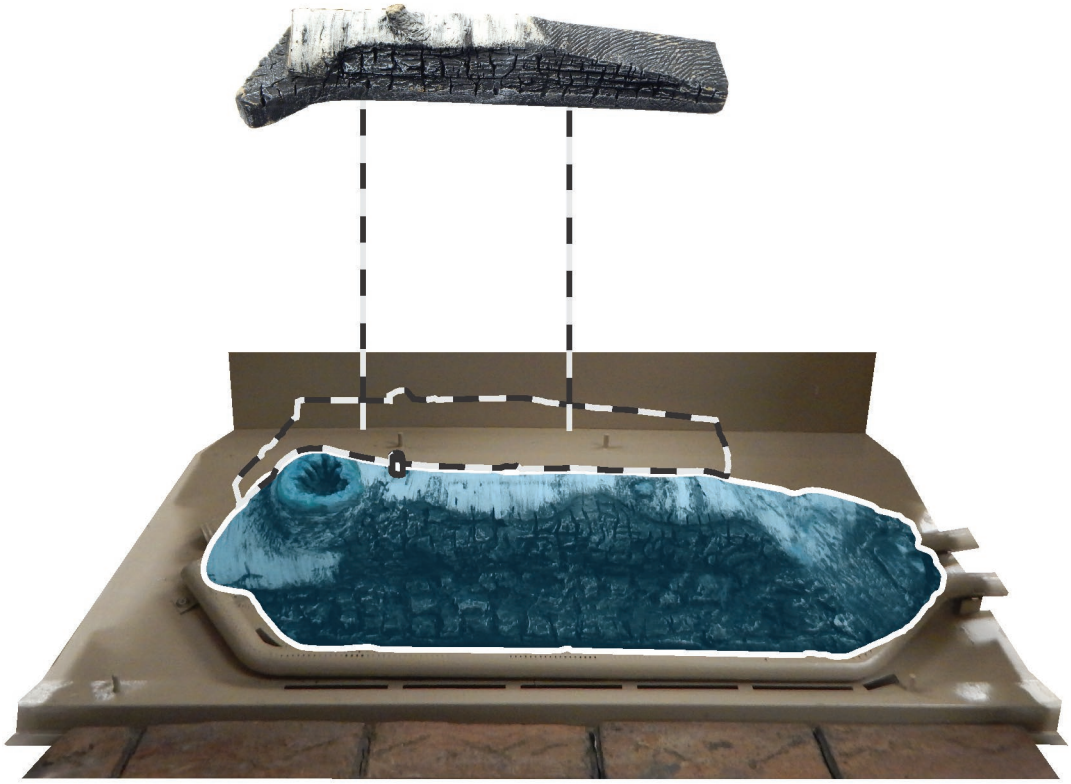
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

2. Place **Ember Bed 2** onto burner base pins (1) and (2) - located on left rear of the burner base behind rear burner.



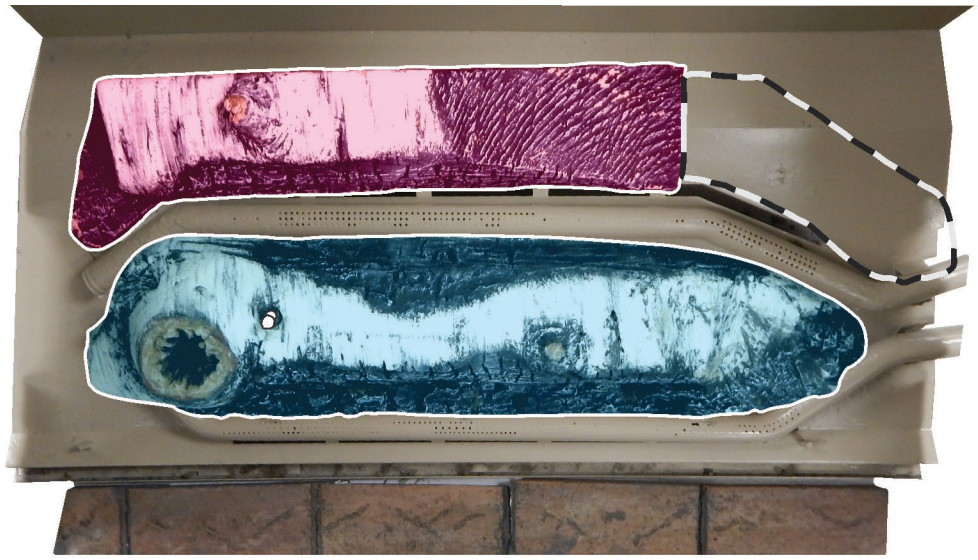
TOP VIEW



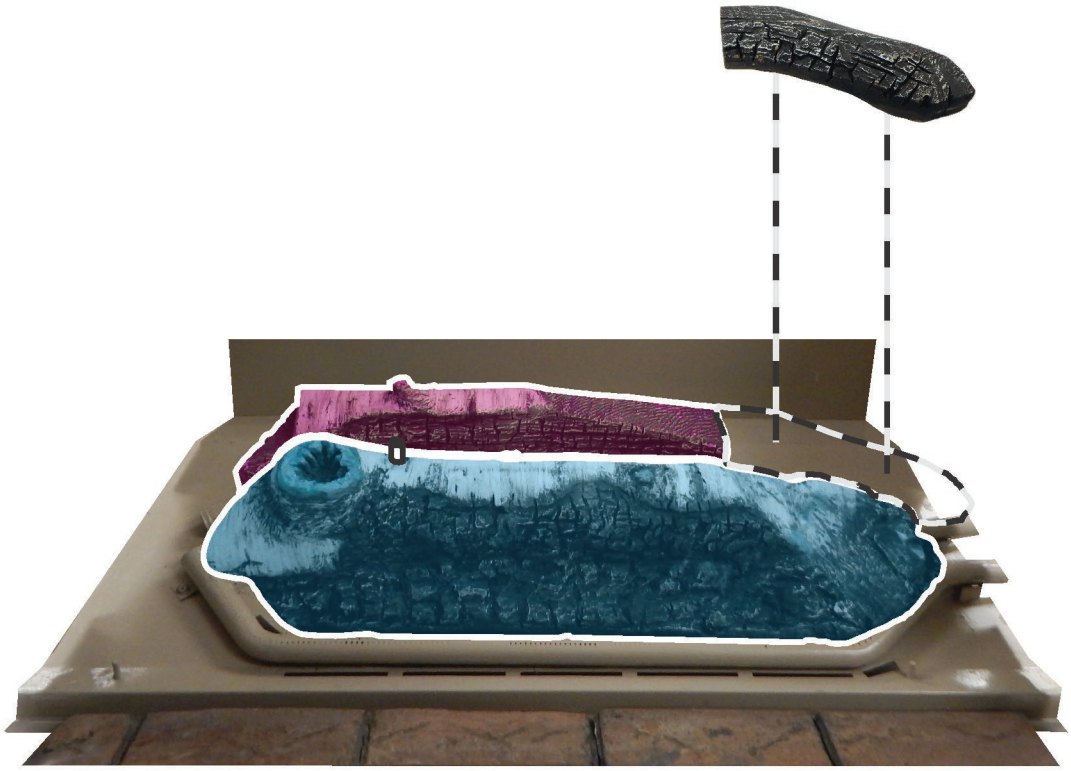
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

3. Place **Ember Bed 3** on the right rear of the burner base. Align with the angle of the burner tube and **Ember Bed 2.**



TOP VIEW



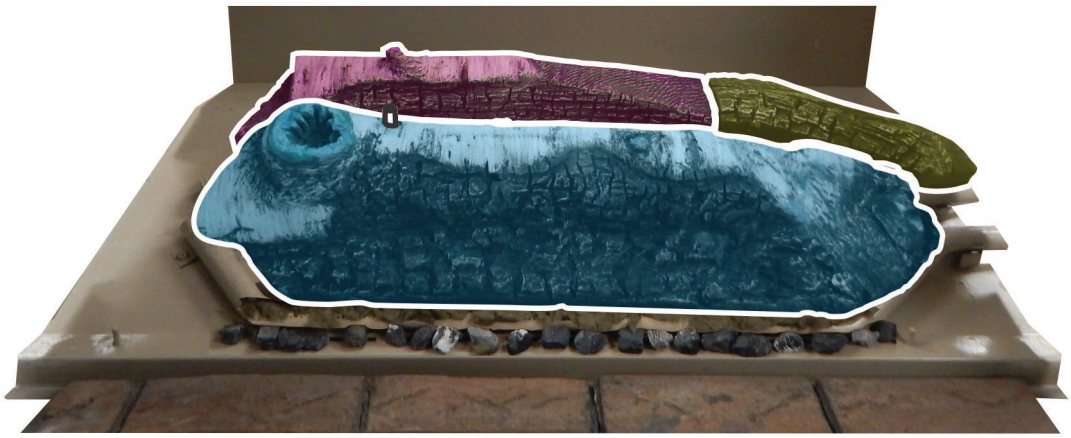
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

4. Place **Decorative Rocks** across burner base in front of the burner tube. Do not cover the burner tube ports.



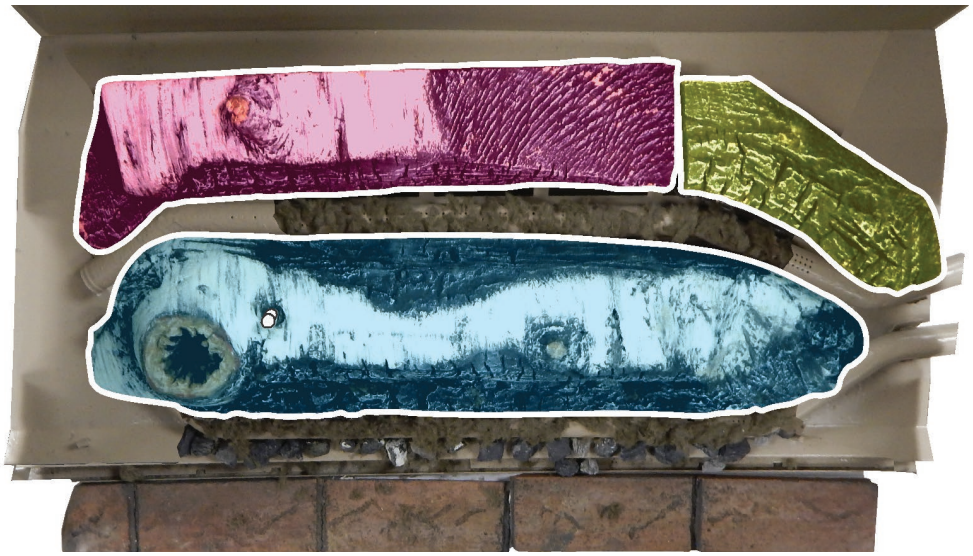
TOP VIEW



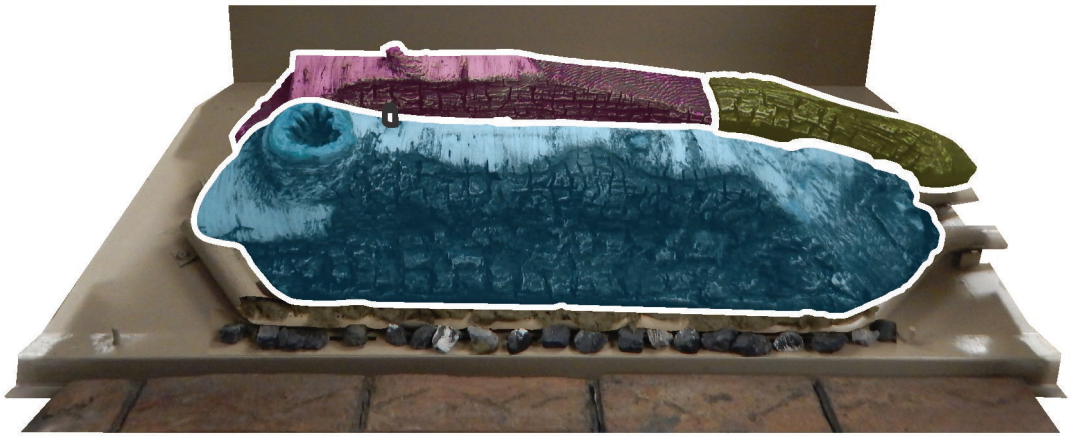
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

5. Place the **Glowing Embers** on the burner tubes covering all ports.



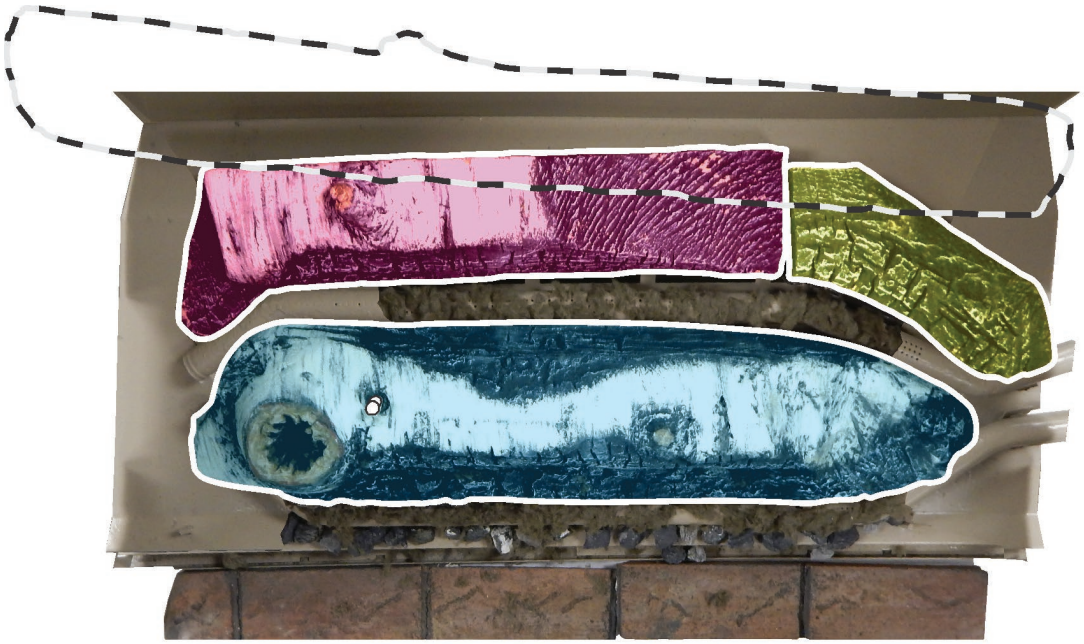
TOP VIEW



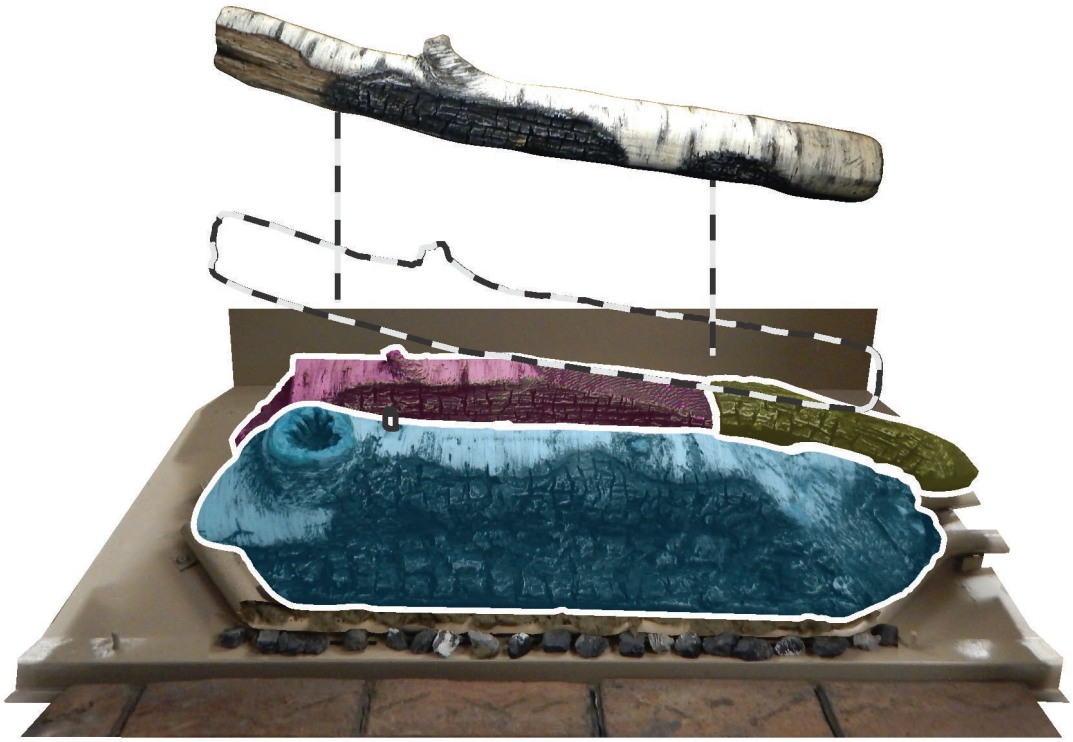
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

6. Place **Log (A)** onto **Ember Beds 2 and 3** - located against rear.



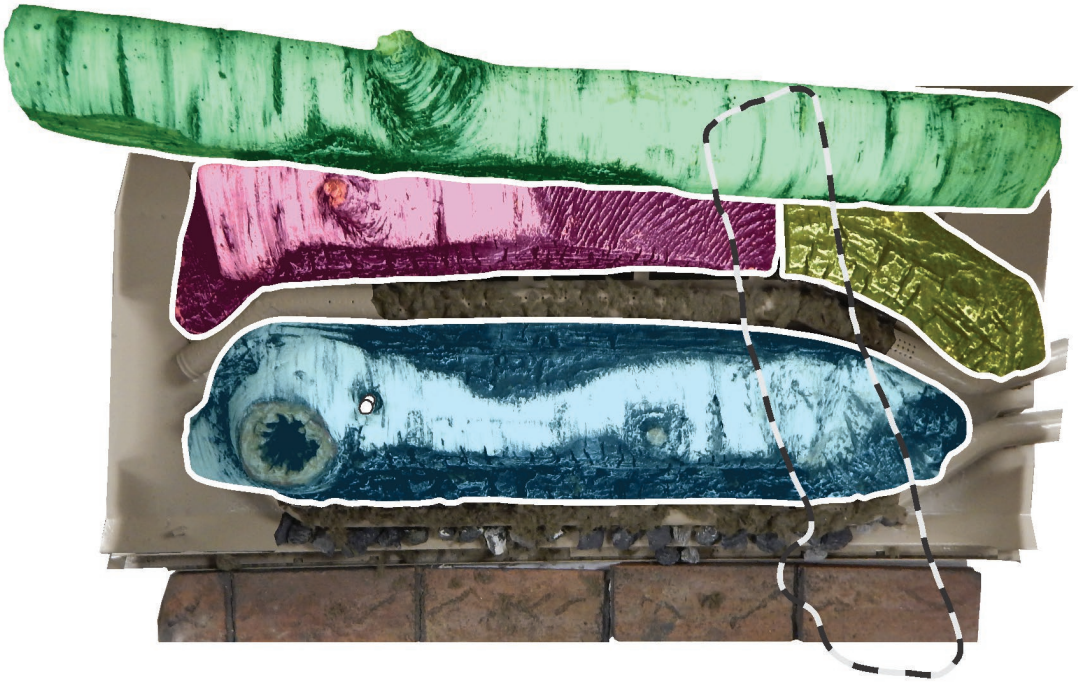
TOP VIEW



FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

7. Place **Log (B)** onto the front right pin (6) on burner base and indent on **Ember Bed 1** - located on right.



TOP VIEW



FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

8. Place **Log (C)** onto air shutter box and against right liner – located on far right.



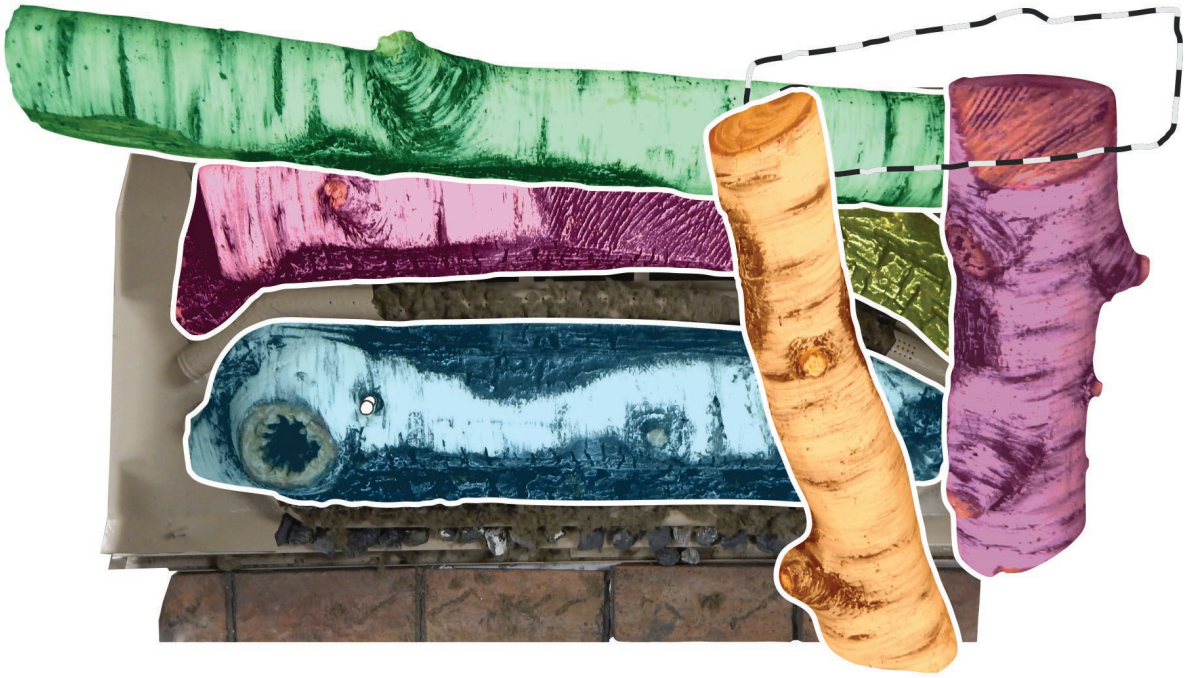
TOP VIEW



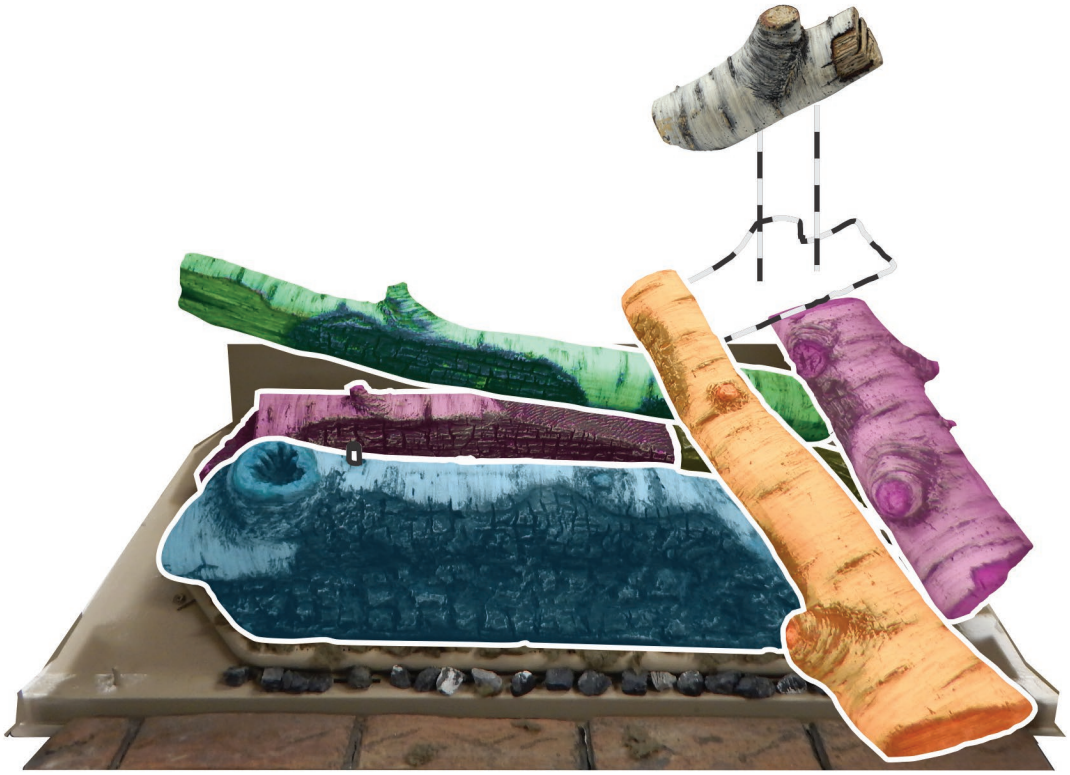
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

9. Place **Log (D)** onto **Logs (A) and (C)**, resting against rear liner – located on rear right.



TOP VIEW



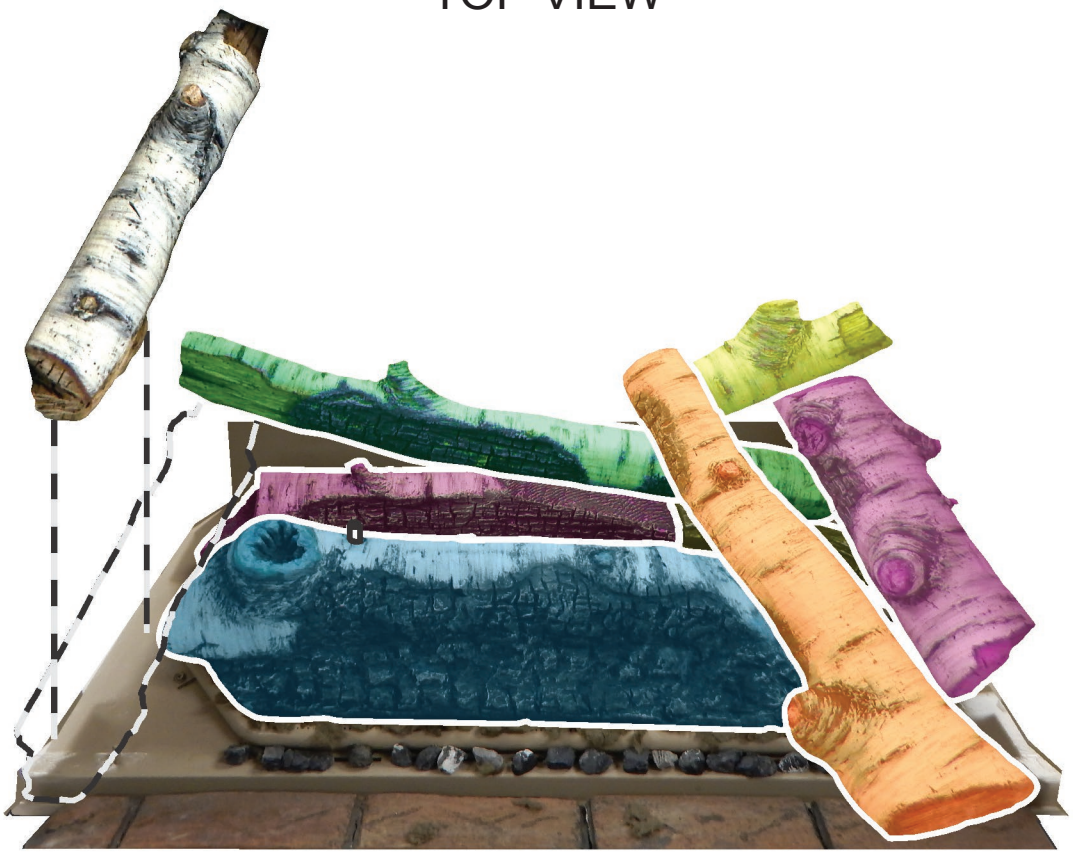
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

10. Place **Log (E)** onto the front left pin (5) on burner base and rests on **Ember 1** and left liner – located on far left and under **Log (A)**.



TOP VIEW



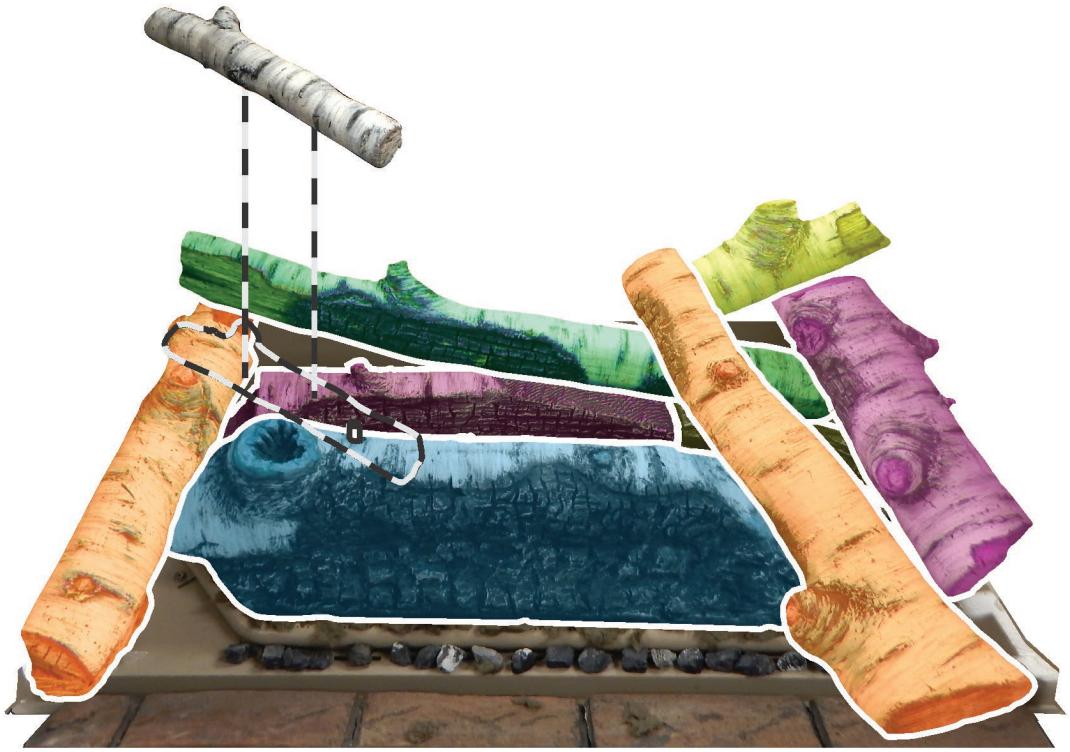
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

11. Place **Log (F)** onto the pin of **Ember Bed 1** and rests on **Log (E)** – located on center left.



TOP VIEW



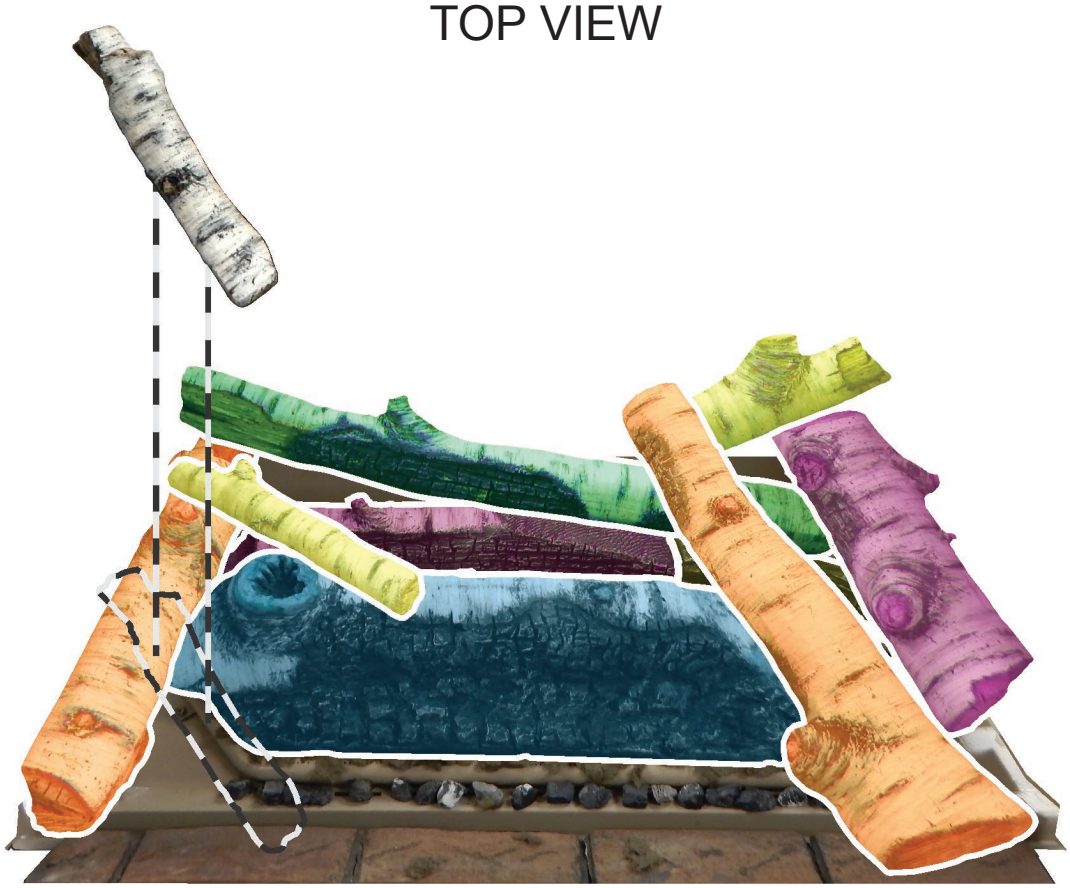
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

12. Place **Log (G)** on floor liner and located by indent on log – located on front left.



TOP VIEW



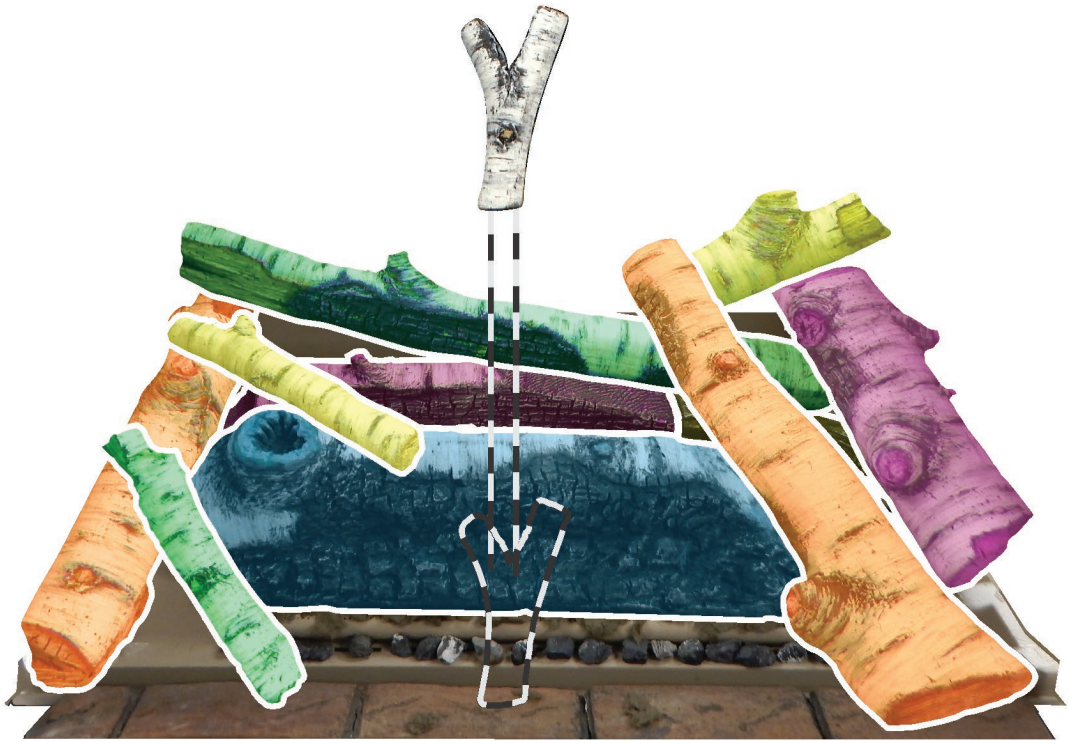
FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

13. Place **Log (H)** on floor liner and rests on **Ember Bed 1** – located on front center.



TOP VIEW



FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

14. Place **Log (I)** on floor liner and rests on **Ember Bed 1** - located on front right center.



TOP VIEW



FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

15. Place **Log (J)** on floor liner - located on far right.



TOP VIEW



FRONT VIEW

LOG PLACEMENT LS(36,40)CBB (CONT'D)

16. Place additional **Decorative Rocks** and embers in any empty areas around the burner base as desired. Log placement is complete.



TOP VIEW



FRONT VIEW

MASTER PARTS DISTRIBUTOR LIST

To Order Parts Under Warranty, please contact your local Empire dealer. See the dealer locator at www.empirecomfort.com. To provide warranty service, your dealer will need your name and address, purchase date and serial number, and the nature of the problem with the unit.

To Order Parts After the Warranty Period, please contact your dealer or one of the Master Parts Distributors listed below. This list changes from time to time. For the current list, please click on the Master Parts button at www.empirecomfort.com. Please note: Master Parts Distributors are independent businesses that stock the most commonly ordered Original Equipment repair parts for Heaters, Grills, and Fireplaces manufactured by Empire Comfort Systems Inc.

Dey Distributing
1401 Willow Lake Boulevard
Vadnais Heights, MN 55101

Phone: 651-490-9191
Toll Free: 800-397-1339
Website: www.deydistributing.com
Parts: Heater, Hearth and Grills

F. W. Webb Company
200 Locust Street
Hartford, CT 06114

Phone: 860-722-2433
Toll Free: 800-243-9360
Fax: 860-293-0479
Toll Free Fax: 800-274-2004
Websites: www.fwwebb.com & www.victormfg.com
Parts: Heater, Hearth and Grills

East Coast Energy Products
10 East Route 36
West Long Branch, NJ 07764

Phone: 732-870-8809
Toll Free: 800-755-8809
Fax: 732-870-8811
Website: www.eastcoastenergy.com
Parts: Heater, Hearth and Grills

HOW TO ORDER REPAIR PARTS

Parts Not Under Warranty

Parts can be ordered through your Service Person, Dealer, or a Master Parts Distributor. See this page for the Master Parts Distributors list. For best results, the **service person or dealer** should order parts through the distributor. Parts can be shipped directly to the **service person/dealer**.

Warranty Parts

Warranty parts will need a proof of purchase and can be ordered by your Service Person or Dealer. Proof of purchase is **required** for warranty parts.

All parts listed in the Parts List have a Part Number. When ordering parts, first obtain the Model Number and Serial Number from the name plate on your equipment. Then determine the Part Number (**not** the Index Number) and the Description of each part from the following illustration and part list. Be sure to give all this information . . .

Appliance Model Number _____ Part Description _____

Appliance Serial Number _____ Part Number _____

Type of Gas (Propane or Natural) _____

Do not order bolts, screws, washers or nuts. They are standard hardware items and can be purchased at any local hardware store.

Shipments contingent upon strikes, fires and all causes beyond our control.



Empire Comfort Systems Inc.
Belleville, IL

If you have a general question about our products, please e-mail us at info@empirecomfort.com.

If you have a service or repair question, please contact your dealer.

www.empirecomfort.com