

INSTALLING HB-KIT (18" & 22" NATURAL GAS ONLY)

WARNING - IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

Burner Size	Minimum Fireplace Dimensions			
	Front Width	Rear Width	Depth	Height
HB-KIT-18	26"	24"	14"	18"
HB-KIT-22	30"	28"	14"	18"

~ Be sure your gas log set is properly sized for your fireplace.

HB-KIT INCLUDES THE FOLLOWING PARTS:

WHAT IT IS

A. GRATE

ITEM #

HB-KIT-18"

DI204

ITEM #

HB-KIT-22"

DI245



B. EMBER PAN

EP18-HB

EP22-HB



C. FLEX. ALUM. CONNECTOR

FLEX-CON

FLEX CON



D. STRAIT 1/2" FITTING

SB-1

SB-1



E. ELBOW 1/2" FITTING

SB-2

SB-2



F. DAMPER CLAMP

BC-1

BC-1



G. BLACK SILICA SAND

BSN-1 (10#S)

BSN-1 (20#S)



H. FIRE EMBERS

EM-1

EM-1



I. LAVA ROCK

LR-1

LR-1

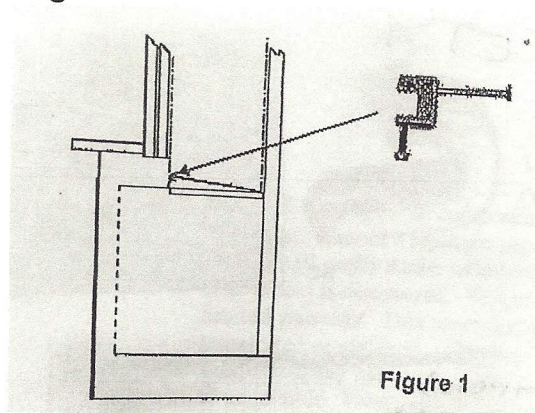


FOR YOUR SAFETY

IT IS THE HOMEOWNER'S RESPONSIBILITY TO ENSURE THEIR FIREPLACE HAS ADEQUATE DRAFT.

1. This burner system is to be installed only in solid-fuel-burning fireplace with a working flue and constructed of noncombustible material.
2. The chimney damper should be fully open when burning the log set.
3. Do not use this appliance if any part has been under water.
If this happens immediately call a qualified service technician to inspect the appliance and to replace any part of the system or gas control that has been under water.
4. Keep this appliance clear and free from combustible material, gasoline and other flammable vapors and liquids.
5. If you smell gas, open windows, don't touch electrical switches, extinguish any open flames, and immediately call your gas company.
6. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
7. Installation of this set must conform with the National Fire Gas Code ANSI Z223.1 and local building codes.
8. Installation should always be done by a license professional.
9. If fireplace has glass doors, always operate log set with glass doors fully open to allow proper combustion air.
10. A fire screen must be in place when the log set is in use.
11. Appliance and its individual shut off valve must be disconnected from the gas supply piping system at test pressures in excess of 1/2 PSI
12. The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of gas supply system at test pressures equal to or less than 1/2 PSI
13. Minimum inlet supply pressure for Natural Gas is 7" water columns.
14. Maximum supply pressure for Natural Gas is 10 1/2" water columns.
15. After burning, the log set can become fragile and should not be handled.
16. Knocking or rubbing logs can cause concrete to crumble and is not covered under warranty.

Figure 1



DAMPER CLAMP ~ REFER TO FIGURE 1 ~

- A. Attach the damper clamp to the fireplace damper blade. (must be positioned to prevent full closure of the fireplace damper blade)
- B. If the damper clamp does not fit then the installer needs to install a permanent damper clamp that will keep the damper open a minimum of 3".
- C. The chimney damper should be fully opened when burning the log set.

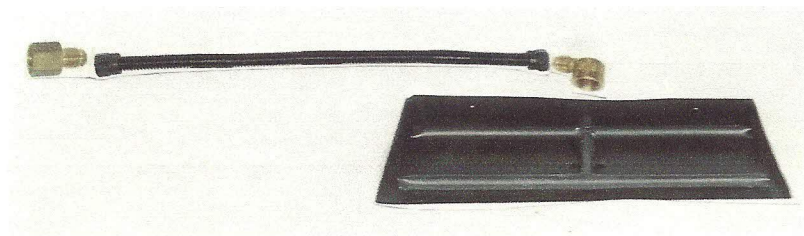
Figure 2



EMBER BURNER KIT POSITIONING ~ REFER TO FIGURE 2 ~

- A. Turn off Gas
- B. Remove old log lighter, ashes and other material from the firebox. It should be 100% clean.
- C. Center the ember burner on the fireplace floor with the burner inlet facing the rear of the fireplace.
- D. Place the grate over the ember burner so the front legs of the grate are lined up right behind the front burner pipe.
- E. Place this burner/grate assembly as far back in the fireplace as possible.
- F. After final positioning, mark the burner and grate position on the floor of the fireplace for reference points. Remove the grate and proceed with the gas connection.

Figure 3



GAS CONNECTION ~ REFER TO FIGURE 3 ~

- A. Gas line supply should be 1/2" inside diameter (ID) up to 30 feet and 3/4" for longer distances.
- B. Use flex-connector and fittings to connect the gas supply to the ember pan.
(Use a pipe thread compound or tape resistant to all gases to secure fittings.
This should be done on the ember pan and gas line coming from inside your fireplace box.)
- C. Check all connections for leaks using soapy water solution.
- D. Damper must remain fully open at all times.
- E. Place a lighted match next to the gas burner pipe. ***DO NOT HOLD MATCH IN HAND WHILE LIGHTING THE GAS***
- F. Turn gas supply on **SLOWLY** until the gas ignites.
- G. Check flame for even distribution, flame height and gas pressure.
- H. When finished, turn off the fire and gas supply.

WARNING - Be careful, unit will be hot.

Figure 4 ~ sand goes under, fire embers on top ~



BURNER PAN MEDIA~ REFER TO FIGURE 4 ~

WARNING - Be careful, unit will be hot.

- A. Fill the burner pan with silica sand
(sand level should be sloped evenly with the sides of the ember pan)
- B. Place fire embers over sand to simulate glowing embers.
(pinch off pieces of material the size of a dime and feather it out. Place the desired amount of embers over the area where the gas comes through. The burner should be completely full and level)
- C. Light the gas and observe the flame for even distribution.
- D. After checking flame, turn off the fire.
- E. Keep damper open always
- F. Keep glass doors fully open during all burning

GRATE PLACEMENT

- A. Place the grate over the ember burner using reference marks made on the fireplace floor earlier.

LOG PLACEMENT

- A. While not all log sets are identical, typically you will place the front log (s) across the front of the grate, the back log across the rear of the grate, leaving a gap in between. You would then arrange the smaller top logs across the bottom logs to create the most realistic flame pattern.

LAVA ROCK PLACEMENT

- A. The black lava rock is used to cover the fireplace floor, fittings and tubing around the burner system. Although not functional, the black lava rock acts as a picture frame to show off the glowing embers and yellow flame.

OPERATION/LIGHTING INSTRUCTIONS

A. Before Operation

- i. Be sure your fireplace is free from flammable liquids or combustible materials.
- ii. Be sure your damper is fully open.
- iii. Smell around the log set for gas leaks. IF YOU SMELL GAS, IMMEDIATELY CALL A LICENSED GAS PROFESSIONAL.

B. Lighting Your Log Set

- i. Lay a lit long stem match on the ember surface (DO NOT HOLD MATCH IN YOUR HAND), or use a lighted long neck lighter.
- ii. Slowly open the fireplace gas valve. Your log set should light.
- iii. If the match (or lighter flame) goes out before igniting log set, immediately, close the fireplace gas valve completely.
- iv. Wait approximately 5 minutes and repeat steps 1-3.
- v. To turn of your gas log set, close your fireplace gas valve completely.

C. IF YOUR BURNER IS OPERATED BY A PILOT KIT, CAREFULLY FOLLOW THE LIGHTING INSTRUCTIONS SUPPLIED WITH THE PILOT KIT.

WARNING - Be careful, unit will be hot.