



Bio-ethanol Fire Pit with Log Set

Model # 62000

Distributed by:

Duraflame, Inc., Stockton, CA 95201

Made in China

For questions about Assembly and Operating instructions or Warranty Claims contact Duraflame, Inc. Consumer Affairs

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Patents Pending

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.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IN THE EVENT OF AN ALCOHOL SPILL: DO NOT light the burner. Extinguish any open flame near the spill. Wipe up the spill, and wait several minutes for the residue to evaporate.

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures.

This appliance is for use only with the type of fuel indicated on the rating plate. This appliance is not convertible for use with other fuels.

Make sure that all packaging materials, including anything made from plastic, paper or cardboard is removed before assembling and using the appliance.

Save this manual for future reference.

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I. SAFETY INFORMATION

IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate, or service this appliance. Improper use of this appliance or failure to comply with the safety rules can cause serious injury or death from burns, fire, explosion, or carbon monoxide poisoning. Keep this manual. It should be read by all users of the appliance.

This appliance is designed for outdoor use. Do not use indoors. Using this appliance indoors may result in harmful emissions, including dangerous levels of carbon monoxide emissions. DANGER: Carbon monoxide poisoning may lead to death!

Carbon Monoxide Poisoning: Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, or nausea. If you have these signs, the appliance may not be working properly.

WARNING: Any change to this appliance or its controls can be dangerous.

WARNING: Risk of explosion. Never use any fuel other than the fuels specifically identified for use in the appliance. Never use gasoline. Never use this appliance in areas where flammable vapors or gas may be present. Never store fuel in the living space of the house.

WARNING: Do not use this appliance to heat or boil water or use as a cooking appliance. Do not burn trash or any other material in or on the appliance.

Due to high temperatures, this appliance should be located out of traffic and away from flammable objects (clothing, rugs, furniture, etc.). Flammable objects should not come into contact with the appliance or the flames. Keep them at least three feet away. Never place any objects on the appliance or inside the burner.

The appliance becomes very hot when in operation. Keep children and adults (and pets) away from flames and hot surfaces to avoid burns or clothing ignition. The appliance will remain hot for a time after shutdown. Allow the appliance to cool before touching it.

Carefully supervise young children when they are in the vicinity of this appliance.

Keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

Do not store the duraflame® illuma-fuel® canisters near the appliance. Store illuma-fuel canisters tightly closed in a dry, cool place, out of direct sunlight and away from heat sources, open fires or other sources of ignition, and out of the reach of children. Never pour the fuel into another container. If swallowed, seek medical attention immediately. In case of contact with eyes, flush immediately with cool water for 15 minutes and seek medical attention. For contact with skin, rinse thoroughly with cool water. If irritation develops, see your doctor.

Do not remove an illuma-fuel canister from the appliance until the canister is completely empty.

WHAT TO DO IN THE EVENT OF AN ALCOHOL SPILL: DO NOT light the burner. Extinguish any open flame near the spill. Wipe up the spill, and wait at least 5 minutes for the residue to evaporate. In addition to the potential for fire, spilled fuel can damage some surfaces like wood and leather. Wipe up any spills immediately.

Use this appliance in compliance with the laws of your local jurisdiction. This appliance should not be installed indoors. Do not use this appliance in trailers, boats, vehicles or tents.

The appliance must be set on a level surface.

This appliance is designed to be smokeless. If the logs begin to smoke, extinguish the appliance by using the snuffer (see Section VI Operation), and check the positioning of the logs. Note: During initial operation, slight smoking may occur due to log curing and the burning off of manufacturing residues. This is a normal condition.

Do not run this appliance where flammable liquids or vapors are used or stored, or in a dusty environment. Do not place any flammable material close to the appliance. Do not place any empty or full bottles of fuel near this appliance.

If the appliance has been rained on or has been under water, be sure that the water has been emptied from the burners and reservoir (refer to Section IX). Water will dilute the fuel, affect the performance of the appliance, and could prevent the fuel from igniting and/or burning.

Do not operate this appliance if any log is broken or has a chip (dime-sized or larger). Do not use the appliance if there is visible damage. If you see damage, contact Duraflame. Do not attempt to repair the appliance yourself. Do not use your appliance if it has been modified in any way.

Turn off the appliance and let it cool before servicing, installing, or repairing the appliance.

An open fire is always a potential hazard. You must have a Class B fire extinguisher nearby in case of fire.

Do not use any bottle, tank, canister or fuel that is not made by Duraflame specifically for this appliance. Do not pour any fuel or any liquid (duraflame brand or other) directly into the burners. Never refill the duraflame illuma-fuel canisters with any fuel including duraflame fuel.

This appliance must be operated using only authorized accessories and equipment.

Do not move the appliance while it is burning. This could cause a fire. Wait until the unit has cooled before moving it. If the unit is moved while fuel is still in it, the fuel may spill out. Make sure that the spill is cleaned thoroughly.

Do not put your head over the burner while lighting it.

Do not leave the appliance burning for long periods of time unattended. Extinguish the flames before you leave the house or go to bed.

Extinguish the flames by snuffing the flames with the tool provided. Do not attempt to blow out the flames. Do not use water to extinguish the flames. This could cause the flames to splatter and spread. Only use the tool provided to snuff the flames. Do not obstruct the burner in any way as this could interfere with your ability to extinguish the flames.

In case of burns, seek treatment from your doctor or hospital.

Duraflame, Inc. accepts no responsibility for any damage that might result if this appliance is used for purposes other than that for which it is intended, or if it is incorrectly operated or repaired by unqualified persons.

Keep packing materials away from children, as they could be a choking or suffocation hazard.

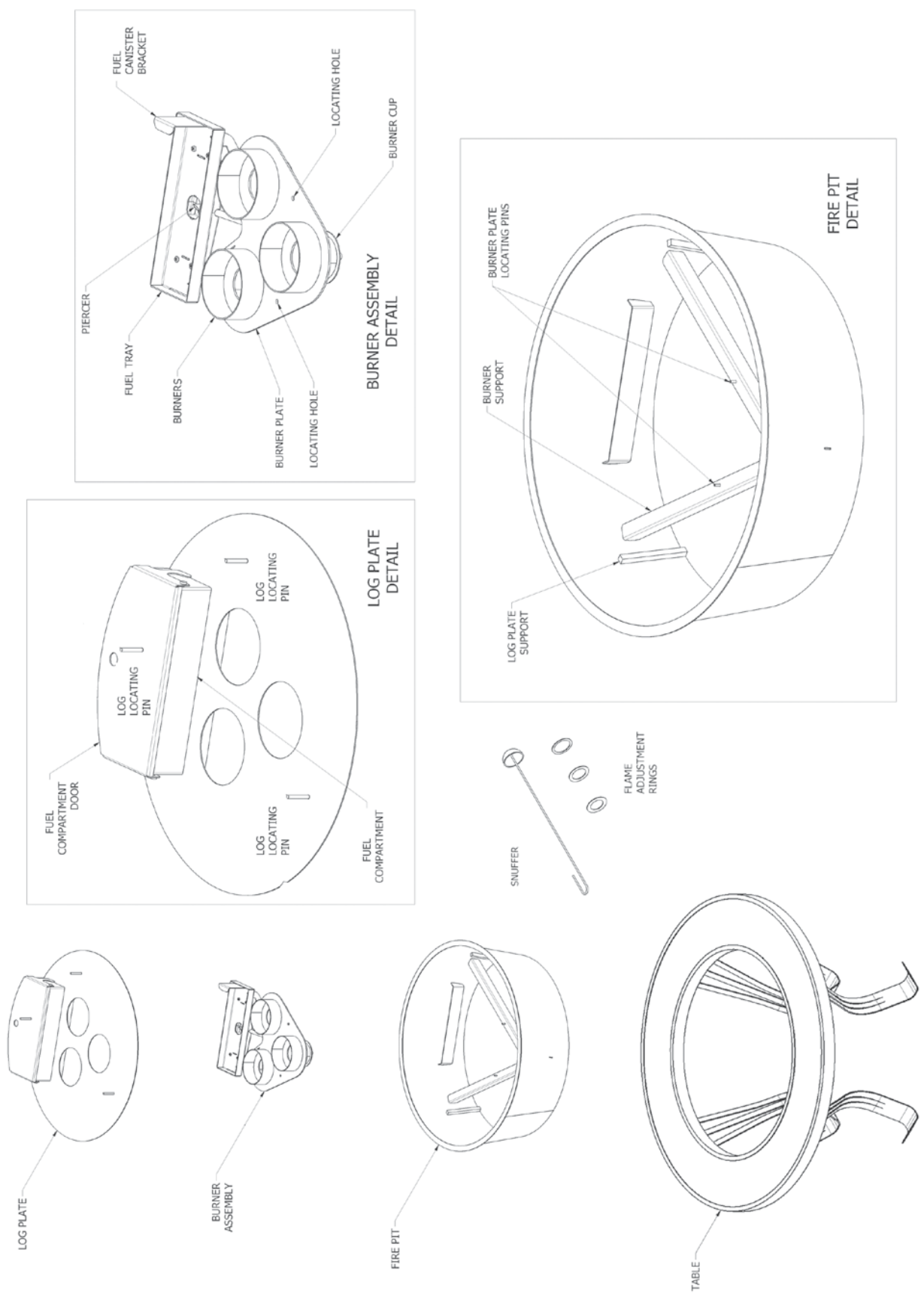


Figure 1
Parts of the Appliance

II. SETUP

CAUTION: Do not remove the metal data plate that is attached to the underside of the door to the fuel compartment of the appliance. It contains important product information.

WARNING: Never install this appliance

- indoors
- in a recreational vehicle, boat, or tent
- where furniture, clothing, or other flammable objects are less than 42 inches (3.5 feet) from the front, top, or sides of the appliance
- in high traffic areas

Use this appliance in compliance with all local ordinances.

III. MINIMUM CLEARANCES

WARNING: Maintain or exceed the minimum clearances.

In order to prevent a fire or heat damage, you must maintain or exceed the minimum clearances to combustible materials (see FIGURE 2). Keep the fire pit AT LEAST 3 feet from walls. If the fire pit is used under an overhang, the overhang must be AT LEAST 7 feet above the table of the fire pit.

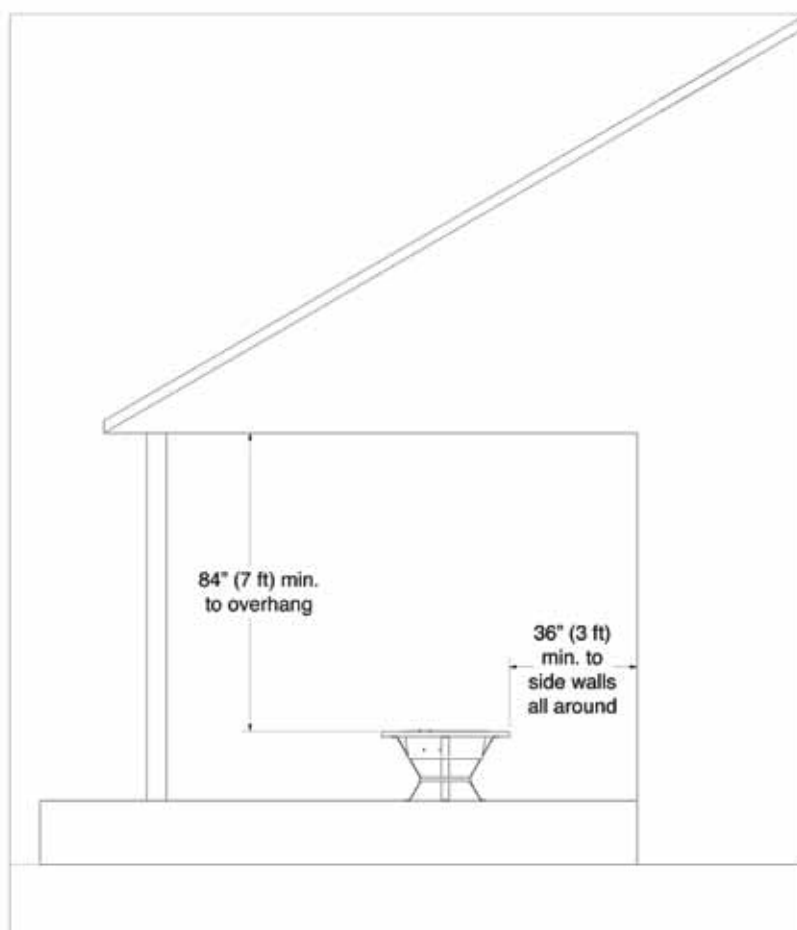


Figure 2
Minimal Clearances on a Typical Patio

IV. INSTALLATION

1. Carefully remove the contents of the carton. You should find (See Figure 1):

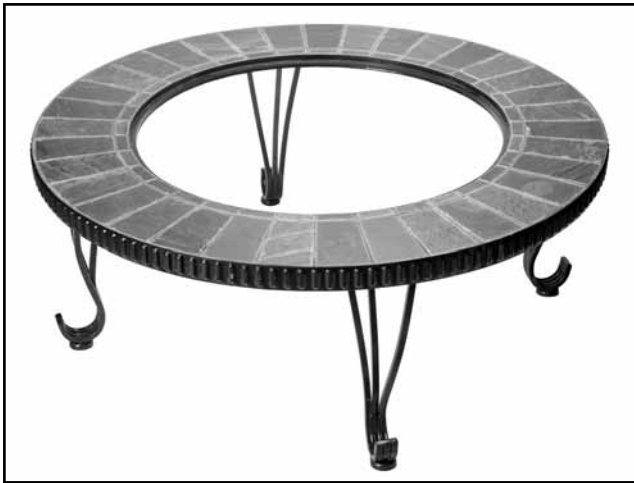
- Table
- Table Legs
- Hardware needed (screws and nuts)
- Fire Pit
- Burner Assembly
- Log Plate
- Five logs
- Flame Snuffer
- One set of three flame adjustment rings (packaged inside the burners)
- Water Proof Cover

If components are missing, contact Duraflame.



Figure 3
How to attach the legs

2. Remove all these components from their packing. When handling the logs, take care not to damage them. Keep packing materials away from children, as they could be a choking or suffocation hazard.
3. Check each component for shipping damage. If components are damaged, contact Duraflame.
4. Attach the legs to the table using supplied nuts. (see Figure 3).
5. Set the table on a level surface away from all flammable materials. For this appliance to function properly, the table must be stable and level. If the surface on which the table is set is uneven or unlevel, you must shim under the table legs. (see Figure 4 Step #1).
6. Carefully set the fire pit into the center opening of the table. The outer rim of the bowl rests on top of the inner rim of the table. (see Figure 4 Step #2).
7. Carefully lower the burner down onto the burner supports of the fire pit. The burner is precisely located by the two pins that protrude upward from the burner supports (see Figure 1). Take care to see that the burner fits down over these pins. (see Figure 4 Step #3).
8. Carefully lower the log plate down over the burner. The three burners should protrude through the three large holes in the log plate, and the log plate should rest on the three supports located around the inside edge of the fire pit. (see Figure 4 Step #4).



Step #1: Table



Step #2: Adding Fire Pit



Step #3: Adding Burner Assembly



Step #4: Adding Log Plate

**Figure 4
Steps for Assembling Fire Pit**

9. Remove flame adjustment rings from inside the burners.
10. Carefully position the logs on the log plate according to the illustrations provided below (see Figures 6-10). The pins that protrude upward from the log plate and fuel compartment door will help you to position the logs correctly. Log #1 will fit on a pin that protrudes from the door. Log #2 will fit on the pin on the log plate. Log #3 will fit on a pin on the log plate also. Log #4 fits on a pin that is on the top surface of log #3. Finally Log #5 fits on a pin that protrudes from the top surface of log #4. It is essential for the proper functioning of this appliance that the logs be placed as shown in the illustrations.

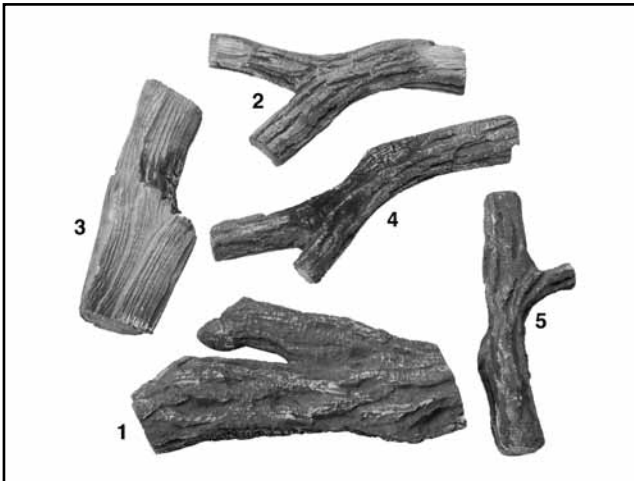


Figure 5
Logs



Figure 6
Installing Log 1



Figure 7
Installing Log 2



Figure 8
Installing Log 3



Figure 9
Installing Log 4



Figure 10
Installing Log 5

V. INSTALLING THE FUEL CANISTER

NOTE: Use only 1 L duraflame illuma-fuel bio-ethanol fuel canisters with this appliance. The canisters are NOT refillable.

1. Remove the log that covers the door of the canister compartment. Set the log in a safe place where it will not be damaged. (see Figure 11). **Do not touch the log in any area other than the one shown when flames are present or the appliance is still hot.**



Figure 11
Removing Log #1



Figure 12
Opening Compartment door

2. Open the door of the fuel canister compartment using the hole in the door. (see Figure 12).
3. Remove the screw cap from a canister of illuma-fuel to expose the foil seal covering the opening. DO NOT remove the foil seal.
4. Invert the canister and position it so that the left end of the canister fits under the bracket at the end of the fuel tray (see Figure 13). Lower the canister so that neck is aligned with the piercer hole in the tray at the bottom of the fuel compartment. Push down firmly on the canister until the piercer punctures the foil seal and the canister is seated firmly on the tray. To assist the flow of fuel from the canister, wiggle it back and forth slightly on the piercer. You



Figure 13
Tank Installation and Removal



Figure 14
Closing Compartment door

might hear a soft gurgling noise as the fuel from the canister begins to fill the burner—this is normal. **Make sure the left side is tipped down during installation.**

5. After the canister has been installed, close the door of the fuel compartment using the hook on either side of the door, and replace the log that was removed in step 1. (see Figure 14). The appliance is now ready for use. **Make sure you use the hook on either side of the door to close the door when the appliance is hot. The hooks are cooler than other parts of the door.**

VI. OPERATION

WARNING: If you do not follow these instructions exactly, a fire may result, causing property damage, personal injury or loss of life.

NOTE: During initial operation of the new appliance, the logs may emit a slight odor. This is normal, and the odor will dissipate after a few hours.

1. Before lighting the appliance, check to see that the burners are free of any obstructions. Also make certain that there is no water in the burners. If you find water, you must empty it out (see Section IX).
2. If you have just installed a canister of illuma-fuel, you may need to wait a minute or so to allow the fuel to drain into the burner. When you can see fuel in all three burner cups, light a long match or a long butane lighter and hold the flame down in each cup until it ignites. (WARNING: Do not use a short match to light the burner, as this could result in burns.) Initially, the flames might have a bluish hue. This will quickly change to a yellow flame as the fuel heats up.
3. To extinguish the flames, grasp the end of the snuffer tool that is provided with this appliance. Lower the rounded end of the snuffer down into each burner cylinder slowly and seat it in the hole of the burner. The hole must be completely covered to extinguish the flames. Note that this appliance can be relit at any time—immediately, if desired.
4. Any unused fuel that remains in the burners/tray/canister after the unit is extinguished will eventually evaporate.

VII. REFUELING

This appliance is designed so that a canister of illuma-fuel will provide a continuous supply of fuel to the burner for about an hour and forty minutes on its maximum setting*. To allow for uninterrupted burning beyond this time, the burner has been designed so that about ten minutes before the fuel is completely exhausted, the flames in the two burner cylinders nearest to the fuel compartment will go out, and only the single remaining burner cylinder will be burning. At this point, you can replace the empty canister with a full one. This can be done while the appliance is burning - there is no need to extinguish all the flames. The two burners without flames may need to be relit after the canister is replaced.

To replace the canister:

1. Remove the log that covers the fuel compartment door. Be very careful about where you touch the log. See Figure 11. Make sure you handle the log on the branch that is farther from the flames. **CAUTION: THE AREAS OF THE LOG THAT ARE CLOSEST TO THE FLAME ARE VERY HOT AND WILL BURN YOUR HAND.** Set the log in a safe place where it will not be: damaged, come into contact with anything combustible, or be touched by somebody else.
2. Open the door of the fuel canister compartment using the hole in the door. (see Figure 12).
3. Grasp the empty canister by the notches provided. Pull it up and tip it so that it clears the bracket and then lift it straight up to remove it. Make sure the left side stays tipped downwards to minimize any spilling that may occur if the canister still has some fuel in it. (see Figure 13).
4. Install a new canister as described above (see **INSTALLING THE FUEL CANISTER**, Steps 3 and 4).
5. After the canister has been installed, close the door of the fuel compartment. Make sure you use the hook on the side of the door to close it, because the top of the door may be hot. Replace the log. The appliance is now ready to use.

*NOTE: Burn times will vary depending on conditions such as: wind, outside temperature, and levelness of the appliance. Maximum burn time is achieved when the 3 rings are installed in the burners. See Section VIII.

VIII. ADJUSTING THE FLAMES

This appliance comes with a set of three flame adjustment rings that were originally shipped inside the burners. You can use them to reduce the size of the flames and increase the burn time, if you like. Simply place a ring in a burner cylinder (when the unit is not burning and is cool. **DO NOT** attempt to do this while the unit is burning or is still hot). The hole in the ring should be centered over the hole in the burner cylinder, and you should not use more than one ring per cylinder. The rings should rest horizontally inside the burners. You do not need to use any rings—this will give you the largest flames, but the shortest burn time. You also have the option to place one or two rings in one or two burners respectively and leave the others without rings.

IX. EMPTYING WATER FROM THE BURNERS

Before lighting the appliance, you must always be certain that there is no water in the burners. Always cover the appliance with the supplied water proof cover when not in use. This will prevent water and debris from entering the burners.

If you find water, you must empty it out before using the appliance. To do so, remove the logs, log plate, and burner. Invert the burner, and shake it vigorously until all the water has been emptied from it. Reinstall the logs, log plate, and burner according to steps 6 to 8 in the **INSTALLATION** section above.

X. MAINTENANCE

WARNING: Turn off the appliance and let it cool before cleaning.

CAUTION: Periodic cleaning is necessary to ensure proper functioning of this appliance.

The only maintenance needed for the continued proper performance of this appliance is periodic cleaning. To clean the appliance:

1. Allow the flames to die out naturally by consuming all the fuel. This will ensure that there is only residual alcohol in the tubes between the fuel tray area and the burners. Also, since the burner is quite hot while in operation, wait at least 30 minutes after the flames have died out before cleaning the appliance.
2. Metal components of the appliance should be cleaned using a damp cloth and a mild dish detergent. Never use abrasive cleaners, as they can damage the metal. Also, never use any liquid for cleaning that is volatile or that is oxidizing (i.e., that contains ammonia or any other similar liquid), or any cleaner that leaves a residue inside the burners.
3. The logs should be dusted lightly.
4. All debris should be removed from inside the burners or tubes leading to the burners.
5. Before relighting the burner, make sure that all parts of the appliance are dry and are returned to their proper operating positions.
6. Ensure that the piercer is installed properly after cleaning. See Figure 15.



Figure 15
Proper Installation of piercer

XI. TROUBLESHOOTING

Use the following guide to solve any problems you might encounter in operating this appliance.

PROBLEM

1. You see fuel on the ground near the appliance.

SOLUTION

- DO NOT light the burner. Extinguish any open flame near the spill. Wipe up the spill, and wait several minutes for the residue to evaporate. If you see no additional fuel on the ground, you may light the burner. If you see additional fuel on the ground, you might have a leak. DO NOT use this appliance if it leaks fuel.

2. You do not see fuel in the burner cups prior to lighting the appliance.

- The appliance might be out of level. Check to make sure the appliance is level, and shim under the table legs, if necessary. Shim only with metal washers or other non-flammable objects.
- A small piece of foil that covers the opening of the illuma-fuel canister might be obstructing the piercer tube. Remove the log above the fuel compartment, and open the fuel compartment door. Gently wiggle the fuel canister tray to enlarge the opening in the foil. DO NOT lift the illuma-fuel canister from the fuel tray, as this could cause a fuel spill.
- The tubes connecting the burner cups to the fuel reservoir and to each other may be clogged. (This is almost certainly the case if only one of the burner cups does not contain fuel.) Starting at the tube opening in the bottom of the burner cup, run a thin, flexible wire the length of the tube to remove the obstruction.

3. You see fuel in the burner cups, but the appliance will not light.

- The Illuma-Fuel might be contaminated with water. See Section IX. EMPTYING WATER FROM THE BURNERS, above. (NOTE: You should always check for water in the burner cups and empty any water you might find BEFORE installing an illuma-fuel canister. If you find that there is water in the burners after you have installed a canister, you must remove the canister before emptying the water. This will result in a small fuel spill. DO NOT light the burner. Extinguish any open flame near the spill. Wipe up the spill, and wait several minutes for the residue to evaporate.)

4. The burners light, but will not stay lit.

- Conditions might be too windy to use the appliance. DO NOT attempt to block the wind with combustible materials, as this could result in a fire.

If the canister is difficult to insert or the canister binds to the piercer when being removed, it means that the bracket on the left side of the reservoir is bent too far to the right. Carefully bend the bracket on the left side of the reservoir slightly to the left to allow a little more space for the canister when it is being installed or removed.

XII. PARTS LIST

PART NO.	ITEM
62000	illumina Fire Pit with Log Set
62001	36" Slate Table
62002	Table Legs
62003	Fire Pit Burner Assembly
62004	Fire Pit Insert
62005	Log Support Plate
62006	Fuel Compartment Door
62007	Flame Snuffer
62008	Flame Adjustment Rings (3)
62009	Ceramic Fiber Log #1
62010	Ceramic Fiber Log #2
62011	Ceramic Fiber Log #3
62012	Ceramic Fiber Log #4
62013	Ceramic Fiber Log #5
62014	Fuel Canister Piercer
62015	Waterproof Cover

WARRANTY INFORMATION

KEEP THIS WARRANTY

Model: _____

Serial No.: _____

Date Purchased: _____

Always specify model and serial numbers when communicating with Duraflame, Inc.

We reserve the right to amend the specifications of this product at any time without notice. The only warranty applicable is our standard written warranty. We make no other warranty, expressed or implied.

LIMITED WARRANTY – DURAFLAME ILLUMA™ LOG SETS AND FIRE PIT PRODUCTS

Duraflame, Inc. warrants to the original purchaser this product to be free from defects in materials and workmanship, exclusive of normal manufacturing defects and customary variations not affecting ordinary performance, under normal home use and service for one (1) year from the date of first purchase, provided that the product has been properly installed, operated, and maintained in accordance with all applicable instructions. To make a claim under this warranty the original purchase receipt, Bill of Sale, or cancelled check must be presented.

Our obligation under this warranty shall be limited to the repair or exchange of any part(s) which may be demonstrated to be defective from faulty material or poor workmanship under normal home use and service within one (1) year from the date of first purchase and which are required to restore this product to proper operating condition, along with a reasonable allowance for labor when provided by a Duraflame, Inc. Authorized Service Center. Warranty part(s) MUST be obtained through authorized dealers of this product and/or Duraflame, Inc., which will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty. Correction in the manner provided above shall constitute a fulfillment of all liabilities of Duraflame, Inc. with respect to the quality of the product. The product MUST be installed by a person capable of following all instructions in accordance with all local codes and instructions furnished with the unit.

This warranty does not apply to parts that are not in original condition because of normal wear and tear, or parts which have been subject to accident, negligence, alteration, abuse, or misuse, or which fail or become damaged as a result of lack of proper maintenance, or to defects caused by improper assembly or installation. We make no warranty whatsoever in respect to accessories or parts not supplied by us. Travel, diagnostic cost, labor, shipping and handling, and any and all such other costs related to repairing a product damaged through normal wear and tear, misuse, or negligence will be the responsibility of the owner.

TO THE FULL EXTENT ALLOWED BY THE LAW OF THE JURISDICTION THAT GOVERNS THE SALE OF THE PRODUCT, THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, AND WE NEITHER ASSUME, NOR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR US, ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS PRODUCT. IN NO EVENT SHALL DURAFLAME, INC. AT ANY TIME BECOME LIABLE FOR ANY BREACH OF WARRANTY IN AN AMOUNT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT AND DURAFLAME, INC. SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES WHATSOEVER INCLUDING INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Some states do not allow a limitation on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation on implied warranties, or exclusion or limitation on damages may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For information about this warranty write to:

Attn: Consumer Affairs, Duraflame, Inc., 2894 Monte Diablo Ave., Stockton, CA 95203, www.duraflame.com