Kozy-World®

FULL SIZE VENT-FREE FIREPLACE

OWNER'S OPERATION AND INSTALLATION MANUAL

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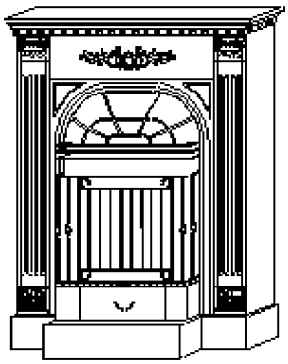


Table of Contents

⚠ WARNING: If the information in this manual is not followed exactly,a fire or explosion may result causing property damage,personalinjury, or loss of life.

⚠ WARNING: **T**his is an unvented gas-fired fireplace.It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to Air For Combustion and Ventilation section on page 4 of this manual.

World-Marketing of American,Inc.
P.O.Box 192,Rt.22 West
MillCreek,PA 17060

KOZY-WORLD PHONE NUMBER:(814)643-1775
http://www.worldmkting.com

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.**
- **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 ser vice must be performed by a qualified installer,service agency,or local gas supplier.**

⚠ WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information, consult a qualified installer, service agency, or local gas supplier.

This appliance may be installed in an aftermarket*, permanently located, manufactured (mobile) home, where not prohibited by local codes.

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

WATER VAPOR: A BY-PRODUCT OF NOVENTED ROOM HEATERS

Water vapor is a by-product of gas combustion.An unvented room heater produces approxinately one(1) ounce (30ml) of water for every 1,000 BTU's(3KW's) of gas input per hour. Refer to page 3.

Consumer: Please retain these instructions for future use.

Installer: Please leave these instructions with the consumer.

***Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer.**

SAFETY INFORMATION WARNINGS

IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate, or service this fireplace. Improper use of this fireplace can cause serious injury or death from burns, fire, explosion, electrical shock, and carbon monoxide poisoning.

⚠ **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 fireplace may not be working properly. Get fresh air at once! Have the fireplace serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease, anemia, those under the influence of alcohol, and those at high altitudes.

Propane/LP Gas: Propane/LP gas is odorless. An odor-making agent is added to Propane/LP gas. The odor helps you detect a Propane/LP gas leak . However, the odor added to Propane/LP gas can fade. Propane/LP gas may be present even though no odor exists.

Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this fireplace.

⚠ **WARNING:** Any change to this fireplace or its controls can be dangerous.

⚠ **WARNING:** Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns. Ceiling fans can create drafts that alter burner flame patterns. Altered burner patterns can cause sooting.

⚠ **WARNING:** Do not use accessories not approved for use with this fireplace.

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

Do not place clothing or other flammable material on or near the appliance. Never place any objects in the fireplace.

Heater becomes very hot when running fireplace. Keep children and adults away from hot surfaces to avoid burns or clothing ignition. Fireplace will remain hot for a short time after shutdown. Allow surfaces to cool before touching.

Carefully supervise young children when they are in the room with the fireplace.

You must operate this fireplace with the fireplace screen in place. Make sure the fireplace screen is in place before running the fireplace.

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

1. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.
2. Do not place propane/LP supply tank(s) indoors.
3. If you smell gas
   - Shut off gas supply.
   - Do not try to light any appliance.
   - Do not touch any electrical switch do not use any phone in your building.
   - 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.
4. This fireplace shall not be installed in a bedroom or bathroom.
5. Do not use this fireplace as a wood-burning fireplace. Use only the logs provided with the fireplace.
6. Do not add extra logs or ornaments such as pine cones, vermiculite, or rock wool.Using these added items can cause sooting. Do not add lava rock around base. Rock and debris could fall into the control area of fireplace. After servicing, always replace screen before operating fireplace.
7. You must operate this fireplace with the fireplace screen in place. Make sure the fireplace screen is in place before running the fireplace.
8. This fireplace is designed to be smokeless. If logs ever appear to smoke, turn off the fireplace and call a qualified service person. ***Note:*** During initial operation, slight smoking could occur due to log curing and fireplace burning manufacturing residues.
9. To prevent the creation of soot, follow the instructions in Cleaning and Maintenance on page 10.
10. Before using furniture polish, wax, carpet cleaner, or similar products, turn fireplace off. If heated, the vapors from these products may create a white powder residue within burner box or on adjacent walls or furniture.
11. This fireplace needs fresh air ventilation to run properly. This fireplace has an Oxygen Depletion Sensing (ODS) safety shutoff system. The ODS shuts down the fireplace if not enough fresh air is available. See Air for Combustion and Ventilation, pages 4 through 5. If fireplace keeps shutting off, see Troubleshooting, pages 11 through 12.
12. Do not run fireplace
    - Where flammable liquids or vapors are used or stored.
    - Under dusty conditions.
13. Do not use this fireplace to cook food or burn paper and other objects.
14. Do not use fireplace if any part has been under water. Immediately call a qualified service technician to inspect the room fireplace and to replace any part of the control system, and any gas control, which has been under water.

SAFETY INFORMATION
Continued

15. Turn off and unplug fireplace and let cool before servicing. Only a qualified service person should service and repair fireplace.
16. Operating fireplace above elevtions of 4,500 feet could cause pilot outage.
17. Do not operate fireplace if any log is broken. Do not operate fire place if a log is chipped(dime-sized or larger).
18. To prevent performance problems, do not use fuel tanks of less than 100 lbs. capacity.

LOCAL CODES

Install and use fireplace with care. Follow all local codes. In the absence of local codes, use the latest edition of The National Fuel Gas Code. ANS Z223.1, also known as NFPA54*.
*Available from:
American National Standards Institute, Inc.
1430 Broadway
New York. NY10018
National Fire Protection Association, Inc.
Batterymarch Park
Quincy. MA 02269
This fireplace is designed for vent-free operation. State and local codes in some areas prohibit the use of vent-free fireplace.

UNPACKING

1. Remove top inner pack.
2. Tilt carton so that fireplace is upright.
3. Remove protective side packaging.
4. Slide fireplace out of carton bottom.
5. Remove protective plastic wrap
6. Take out the base from the package and install it as shown Figure (Page 23).
7. Remove screen by lifting and then pulling forward.
8. Remove log set by cutting plastic ties.
9. Carefully unwrap logs.
10. Check for any shipping damage. If fireplace or any logs are damaged, promptly inform dealer where you bought the fireplace.

PRODUCT FEATURES
SAFETY PILOT

This fireplace has a pilot with an Oxygen Depletion Sensing (ODS) safety shutoff system. The ODS/ pilot is a required feature for vent-free fireplace. The ODS/pilot shuts off the fireplace if there is not enough fresh air.

PIEZO IGNITION SYSTEM

This fireplace has a piezo ignitor. This system requires no matches, batteries, or other sources to light fireplace.

PRODUCT IDENTIFICATION

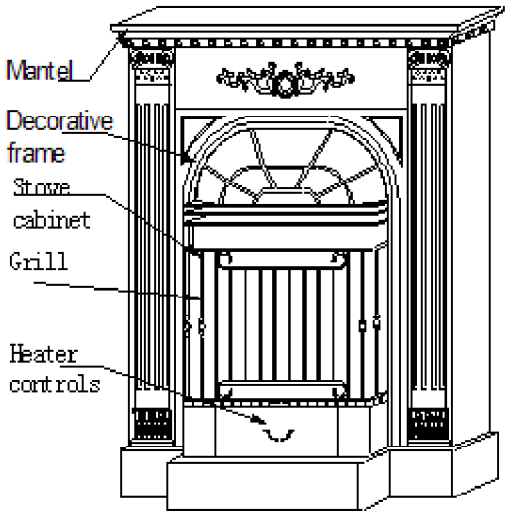


Figure1 - FULL SIZE VENT-FREE FIREPLACE

WATER VAPOR: A BY-PRODUCT OF UNVENTED ROOM HEATERS

Water vapor is a by-product of gas combustion. An unvented room heater produces approximately one(1) ounce (30ml) of water for every 1,000 BTU's(3KW's)of gas input per hour.

Unvented room heaters are recommended as supplemental heater(a room). Rather than a primary heat source (an entire house). In most supplemental heat applications, the water vapor does not create a problem. In most applications,the water vapor enhances the low humidity atmosphere experienced during cold weather.The folling steps will help insure that water vapor does not become a problem.

1.Be sure the heater is a sized properly for the application, including ample combustion air and circulation air.

2.If high humidity is experienced,dehumidifier may be used to help lower the water vapor content of the air.

3.Do not use an unvented room heater as the primary heat source.

AIR FOR COMBUSTION AND VENTILATION

⚠ WARNING: This fireplace shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air. Read the following instructions to insure proper fresh air for this and other fuel-burning appliances in your home.

PROVIDING ADEQUATE VENTILATION

The following are excerpts from National Fuel Gas Code, *NFPA 54/ ANS Z223.1.Section 5.3*, Air for Combustion and Ventilation.

All spaces in homes fall into one of the three following ventilation classifications:

1. Unusually Tight Construction
2. Unconfined Space
3. Confined Space

The information on pages 4 through 5 will help you classify your space and provide adequate ventilation.

Confined and Unconfined Space

The National Fuel Gas Code, ANS Z223.1 defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space.An unconfining space is defined as a space whose volume is not less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed*, through openings not furnished with doors, are considered a part of the unconfined space.

This fireplace shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air.

* Adjoining rooms are communicating only if there are door-less passage ways or ventilation grills between them.

Unusually Tight Construction

The air that leaks around doors and windows may provide enough fresh air for combustion and ventilation. However, in buildings of unusually tight construction, you must provide additional fresh air.

Unusually tight construction is defined as construction where:

a) walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of one perm (6×10^{-11} kg per pa-sec-m^2) or less with openings gasketed or sealed and

b) weather stripping has been added on openable windows and doors and

c) caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical, and gas lines, and at other openings.

If your home meets all of the three criteria above, you must provide additional fresh air. See *Ventilation Air From Inside Building,* page 5.

If your home does not meet all of the three criteria above, proceed to *Determining Fresh-Air Flow For Heater Location,* page 4.

AIR FOR COMBUSTION AND VENTILATION

DETERMINING FRESH-AIR FLOW FOR HEATER LOCATION

Determining if You Have a Confined or Unconfined Space

Use this worksheet to determine if you have a confined or unconfined space.

Space: Includes the room in which you will install heater plus any adjoining rooms with doorless passageways or ventilation grills between the rooms.

1. Determine the volume of the space (length×width×height).
   Length×Width×Height=_____cu.ft. (volume of space)
   Example: Space size 20ft. (length)×16ft. (width)×8ft. (ceiling height)=2560 cu. ft. (volume of space)
   If additional ventilation to adjoining room is supplied with grills or openings, add the volume of these rooms to the total volume of the space.
2. Divide the space volume by 50 cubic feet to determine the maximum Btu/Hr the space can support.
   _____(volume of space)÷50 cu. ft.=(Maximum Btu/Hr the space can support)
   Example: 2560 cu. ft. (volume of space)÷50 cu.ft.=51.2 or 51,200(maximum Btu/Hr the space can support)

3. Add the Btu/Hr of all fuel burning appliances in the space.

Vent-free heater	_____	Btu/Hr
Gas water heater*	_____	Btu/Hr
Gas furnace	_____	Btu/Hr
Vented gas heater	_____	Btu/Hr
Gas heater logs	_____	Btu/Hr
Other gas appliances* +	_____	Btu/Hr
Total =	_____	Btu/Hr

Example:

Gas water heater	30,000	Btu/Hr
Vent-free heater +	26,000	Btu/Hr
Total =	56,000	Btu/Hr

*Do not include direct-vent gas appliances. Direct-vent draws combustion air from the outdoors and vents to the outdoors.

4. Compare the maximum Btu/Hr the space can support with the actual amount of Btu/Hr used.

_____ Btu/Hr (maximum the space can support)

_____ Btu/Hr (actual amount of Btu/Hr used)

Example : 51,200 Btu/Hr(maximum the space can support)

56,000 Btu/Hr(actual amount of Btu/Hr used)

The space in the above example is a confined space because the actual Btu/Hr used is more than the maximum Btu/Hr the space can support.

You must provide additional fresh air. Your options are as follows:

A. Rework the worksheet by adding the space of an adjoining room. If the extra space provides an unconfined space, remove door to adjoining room or add ventilation grills between rooms. *See Ventilation Air From Inside Building*, page 6.

B. Install a lower Btu/Hr heater, if lower Btu/Hr size makes the room unconfined.

If the actual Btu/Hr used is less than the maximum Btu/Hr the space can support, the space is an unconfined space. You will need no additional fresh air ventilation.

⚠ WARNING: If the area in which the fireplace may be operated is smaller than that defined as an unconfined space or if the building is of unusually tight construction, provide adequate combustion and ventilation air by one of the methods described in the National Fuel Gas Code, ANS Z223.1, Section 5.3 or applicable local codes.

Ventilation Air From Inside Building

This fresh air would come from an adjoining unconfined space. When ventilating to an adjoining unconfined space, you must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor on the wall connecting the two spaces (see options 1 and 2, Figure 2). You can also remove door into adjoining room (see option 3, Figure 2). Follow the National Fuel Gas Code. NFPA 54/ANS Z223.1. Section 5.3, Air for Combustion and Ventilation for required size of ventilation grills or ducts.

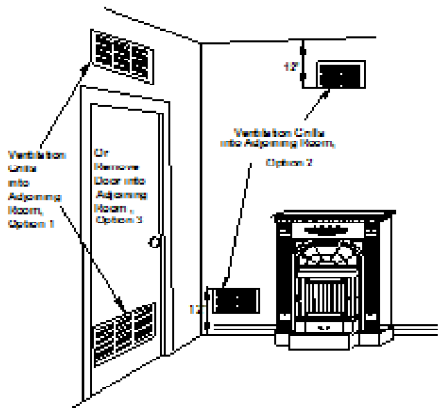


Figure 2 -Ventilation Air From Inside Building

Provide extra fresh air by using ventilation grills or ducts. You must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor. Connect these items directly to the outdoors or spaces open to the outdoors. These spaces include attics and crawl spaces. Follow the National Fuel Gas Code, NFPA 54/ANS Z223.1, Section 5.3. Air for Combustion and Ventilation for required size of ventilation grills or ducts.

IMPORTANT:Do not provide openings for inlet or outlet air into attic if attic has a thermostat-controlled power vent. Heated air entering the attic will activate the power vent.

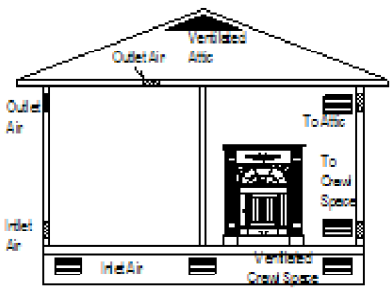


Figure 3-Ventilation Air From Outdoors

⚠ WARNING: Rework the worksheet, adding the space of the adjoining unconfined space. The combined spaces must have enough fresh air to supply all appliances in both spaces.

INSTALLATION

⚠ NOTICE: This fireplace is intended for use as supplemental fireplace. Use this fireplace along with your primary heating system. Do not install this fireplace as your primary heat source. If you have a central heating system, you may run the system's circulating blower while using the fireplace. This will help circulate the heat throughout the house . In the event of a power outage, you can use this fireplace as your primary heat source.

⚠ WARNING: A qualified service person must install fireplace. Follow all local codes.

⚠ WARNING: Never install the fireplace:

- in a bedroom or bathroom
- in a recreational vehicle
- where curtains, furniture, clothing, or other flammable objects are less than 36 inches from the front, top or sides of the heater
- in high traffic areas
- in windy or drafty areas

⚠ CAUTION: This fireplace creates warm air currents. These currents move heat to wall surfaces next to fireplace. Installing fireplace next to vinyl or cloth wall coverings or operating fireplace where impurities (such as tobacco smoke, aromatic candles,cleaning fluids, oil or kerosenelamps, etc.) in the air exist, may discolor walls.

⚠ WARNING: Maintain the minimum clearances. If you can, provide greater clearances from floor, ceiling, and adjoining side and back walls.

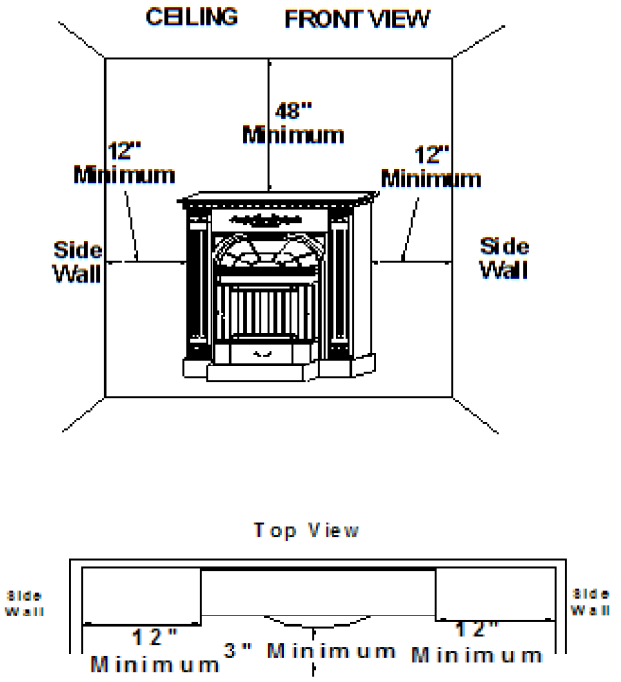


Figure 4 -Minimum Clearance to Wall

IMPORTANT: Vent-free fireplace add moisture to the air. Although this is beneficial, installing fireplace in rooms without enough ventilation air may cause mildew to form from too much moisture. See Air for Combustion and Ventilation, pages 4 through 5.

CHECK GAS TYPE

Use only the type of gas indicated on the plate. If your gas supply can not meet that requirement, do not install fireplace. Call dealer where you bought fireplace for proper type fireplace.

CLEARANCES TO COMBUSTIBLES (Vent-Free Operation Only)

Carefully follow the instructions below. This fireplace is a freestanding unit designed to set directly on the floor.

IMPORTANT: You must maintain minimum wall and ceiling clearances during installation. The minimum clearances are shown in Figure 4. Measure from outermost point of fireplace top.

Minimum Wall and Ceiling Clearances(see Figure 4)

A. Clearances from outermost point of fireplace top to any combustible side wall should not be less than 12 inches.

B. Clearances from the fireplace top to the ceiling should not be less than 48 inches.

INSTALLATION

Continued

CONNECTING TO GAS SUPPLY

⚠ WARNING: A qualified service person must connect fireplace to gas supply. Follow all local codes.

⚠ CAUTION: Never connect fireplace directly to the gas supply. This fireplace requires an external regulator (not supplied). Install the external regulator between the fireplace and gas supply.

INSTALLATION ITEMS NEEDED

Before installing fireplace, make sure you have the items listed below.

- piping (check local codes)
- sealant (resistant to natural or propane/ LP gas)
- equipment shutoff valve*
- test gauge connection**
- sediment trap
- see joint
- pipe wrench
- Flixible gas hose(check local codes)

* A CSA design-certified equipment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the optional CSA design-certified equipment shutoff valve from your dealer. *See Accessories,* page 14.

⚠ WARNING: Never connect fireplace to private (non-utility) gas wells. This gas is commonly known as wellhead gas.

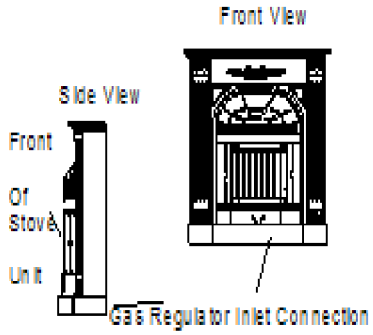


Figure 5-Gas Regulator Location and Gas Line Access Into Stove Cabinet

The installer must supply an external regulator. The external regulator will reduce incoming gas pressure. You must reduce incoming gas pressure to between 11 to 14 inches of water. If you do not reduce incoming gas pressure,fireplace regulator damage could occur. Install external regulator with the vent pointing down as shown in Figure 6. Pointing the vent down protects it from freezing rain or sleet.

⚠ CAUTION: Use only new, black iron or steel pipe. Internally-tinned copper tubing may be used in certain areas. Check your local codes. Use pipe of 1/2" diameter or greater to allow proper gas volume to fireplace. If pipe is too small, undue loss of pressure will occur.

Installation must include an equipment shutoff valve, union, and plugged 1/8" NPT tap. Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream from fireplace (see Figure 7).

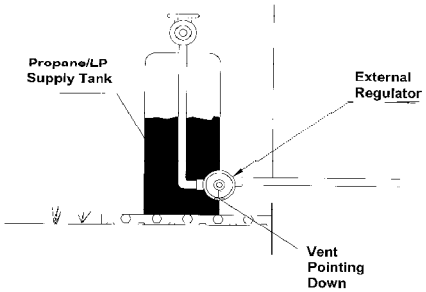


Figure 6-External Regulator With Vent Pointing Down

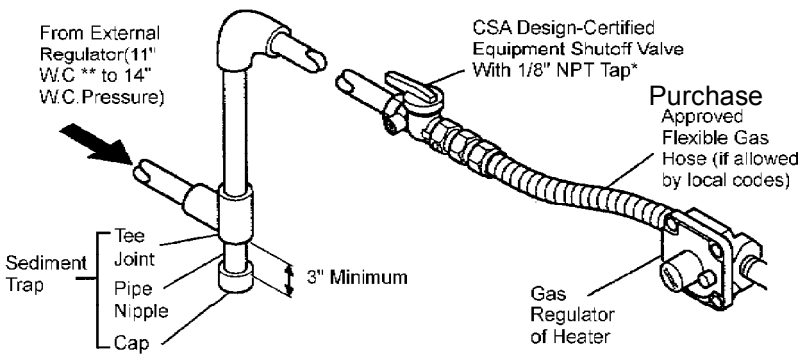


Figure 7 -Gas Connection

IMPORTANT: Install equipment shutoff valve in an accessible location. The equipment shutoff valve is for turning on or shutting off the gas to the appliance. Apply pipe joint sealant lightly to threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in clogged fireplace valves.

⚠ CAUTION: Use pipe joint sealant that is resistant to liquid petroleum(LP) gas.

We recommend that you install a sediment trap in supply line as shown in Figure 7. Locate sediment trap where it is within reach for cleaning. Install in piping system between fuel supply and heater. Locate sediment trap where trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into fireplace controls. If sediment trap is not installed or is installed wrong, fireplace may not run properly.

⚠ CAUTION: Avoid damage to regulator. Hold gas regulator with wrench when connecting into gas piping and/or fittings.

NGMODELS:
5" to 10.5" W.C.
Gas supplier provides external rregulator for natual gas.

* Purchase the optional CSA design-certified equipment shutoff valve from your dealer. See *Accessories*, page 14.

** 11" W.C. pressure is the minimum inlet pressure for purpose of input adjustment.

INSTALLATION

Continued

CHECKING GAS CONNECTIONS

⚠ WARNING: Test all gas piping and connections for leaks after installing or servicing. Correct all leaks at once.

⚠ WARNING: Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. Bubbles forming show a leak. Correct all leaks at once.

⚠ CAUTION: Make sure external regulator has been installed between natural supply and fireplace. See guidelines under Connecting to Gas Supply, page 7.

Pressure Testing Gas Supply Piping System
Test Pressures In Excess Of 1/2 PSIG(3.5kPa)

1. Disconnect fireplace with its appliance main gas valve (control valve) and equipment shutoff valve from gas supply piping system. Pressures in excess of 1/2 psig will damage fireplace regulator.
2. Cap off open end of gas pipe where equipment shutoff valve was connected.
3. Pressurize supply piping system by either using compressed air or opening propane/LP supply valve.
4. Check all joints of gas supply piping system. Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.
5. Correct all leaks at once.
6. Reconnect fireplace and equipment shutoff valve to gas supply. Check reconnected fittings for leaks.

Pressure Testing fireplace Gas Connections

1. Open equipment shutoff valve (see Figure 8).
2. Open gas supply valve.
3. Make sure control knob of fireplace is in the OFF position.
4. Check all joints from equipment shutoff valve to control valve (see Figure 9). Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.
5. Correct all leaks at once.
6. Light fireplace (see Operating fireplace, pages 9 and 10) Check all other internal joints for leaks.
7. Turn off fireplace (see To Turn Off Gas to Appliance, page 9).

Test Pressures Equal To or Less Than 1/2 PSIG (3.5 kPa)

1. Close equipment shutoff valve (see Figure 8).
2. Pressurize supply piping system by either using compressed air or opening gas supply tank valve.
3. Check all joints from gas meter to equipment shutoff valve (see Figure 9). Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.

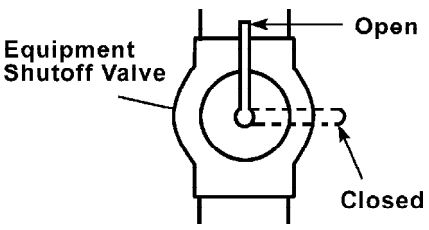


Figure 8 -Equipment Shutoff Valve

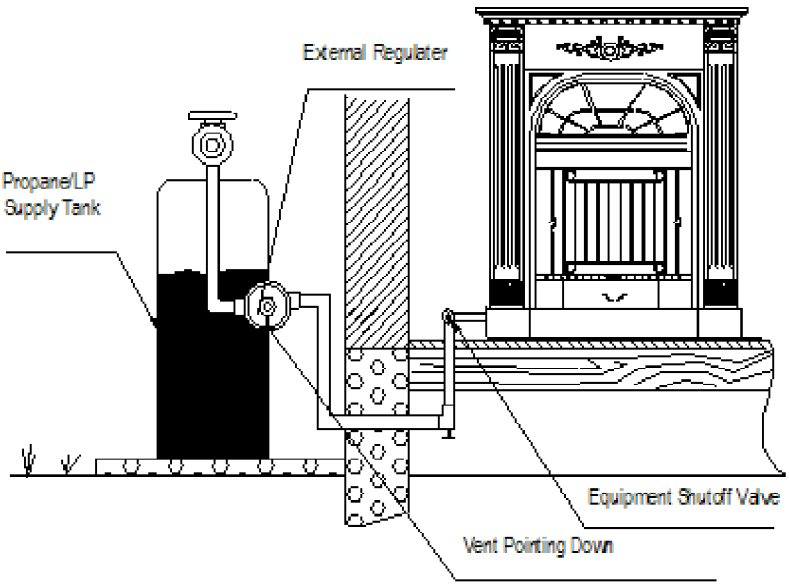


Figure 9 -Checking Gas Joints

INSTALLATION
Continued

INSTALLING LOGS

⚠ WARNING: Failure to position the parts in accordance with these diagrams may result in property damage or personal injury.

⚠ CAUTION: After installation and periodically thereafter, check to ensure that no flame comes in contact with any log. With the fireplace set to HIGH, check to see if flames contact any log. If so, reposition logs according to the log installation instructions in this manual. Flames contacting logs will create soot.

***IMPORTANT*:** Make sure log does not cover any burner ports (see Figure10).

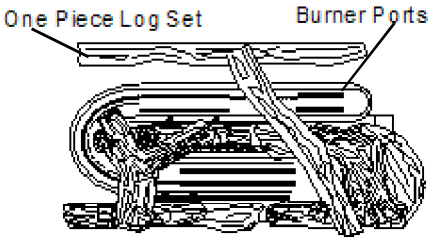


Figure 10 -Installing One-Piece Log Set (Top View)

OPERATING FIREPLACE

■FOR YOUR SAFETY ■
READ BEFORE
LIGHTING

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

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.
B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS
SEE WARNING in Page 1 for proper instructiors.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, Call a quali fied service technician or gas supplier. Forced or attempted repair may result in a fire or explosion.
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information, page 2.
2. Make sure equipment shutoff valve is fully open.
3. Turn control knob clockwise ↷ to the OFF position.
4. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information, page 2. If you don't smell gas, go to the next step.
5. Turn control knob counterclockwise ↶ to the PILOT position. Press in control knob for five seconds (see Figure 11).
   Note: You may be running this fireplace for the first time after hooking up to gas supply. If so, the control knob may need to be pressed in for 30 seconds or less. This will allow air to bleed from the gas system.
6. With control knob pressed in, press and release ignitor button. This will light pilot. The pilot is attached to the front burner. If needed, keep pressing ignitor button until pilot lights.

Figure 11 -Control Knob and Ignitor Button location

Note: If pilot does not stay lit, contact a qualified service person or gas supplier for repairs. Until repairs are made, light pilot with match. To light pilot with match, see Manual Lighting Procedure.
7. Keep control knob pressed in for 30 seconds after lighting pilot. After 30 seconds release control knob. If control knob does not pop out when released, contact a qualified service person or gas supplier for repairs.
   Note: If pilot goes out, repeat steps 3 through 7. This fireplace has a safety interlock system. Wait one (1) minute for system to reset before lighting pilot again.
8. Turn control knob counterclockwise ↶ to desired heating level. The burners should light. Set control knob to any heat level between HI and LO.

⚠ NOTICE: During initial operation of new fireplace, burning logs will give off a paper-burning smell. Orange flame will also be present. Open a window to vent smell. This will only last a few hours.

⚠ CAUTION: Do not try to adjust heating levels by using the equipment shutoff valve.

TO TURN OFF GAS TO APPLIANCE

Shutting Off fireplace
Turn control knob clockwise ↷ to the OFF position.
Shutting Off Burners Only (Pilot stays lit)
Turn control knob clockwise ↷ to the PILOT/IGN position.

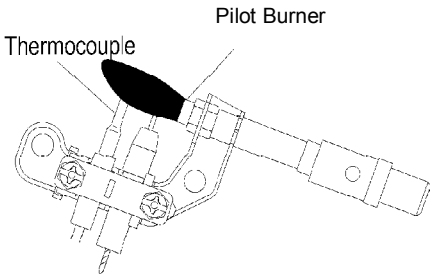


Figure 12 -Pilot

OPERATING FIREPLACE

Continued

THERMOSTAT CONTROL OPERATION

The thermostat control knob can be set to any comfort level between HI and LO. The thermostat will gradually modulate the heat output and flame height from higher to lower settings, or pilot, in order to maintain the comfort level you select. The ideal comfort setting will vary by household depending upon the amount of space to be heated, the output of the central heating system, etc.

Note: Selecting the HI setting with the control knob will cause the burners to remain fully on,without modulating down in most cases.

MANUAL LIGHTING PROCEDURE

1. Follow steps 1 through 5 under Lighting Instructions.
2. Press control knob and light pilot with match.
3. Keep control knob pressed in for 30 seconds after lighting pilot. After 30 seconds, release control knob.

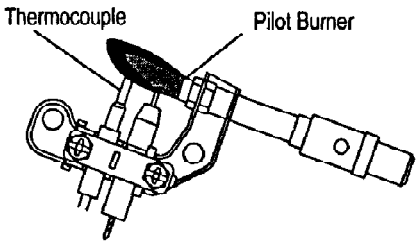


Figure 13 - Correct Pilot Flame Pattern

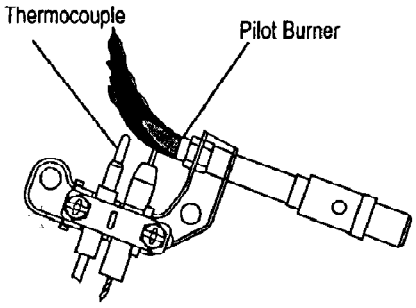


Figure 14 - Incorrect Pilot Flame Pattern

INSPECTING BURNERS

Check pilot flame pattern and burner flame patterns often.

PILOT FLAME PATTERN

Figure13 shows a correct pilot flame pattern. Figure14 shows an incorrect pilot flame pattern. The incorrect pilot flame is not touching the thermocouple.This will cause the thermocouple to cool. When the thermocouple cools, the heater will shut down.

If pilot flame pattern is incorrect, as shown in Figure 14

- turn off fireplace (see To Turn Off Gas to Appliance)
- see Troubleshooting, pages 11 through 12

BURNER FLAME PATTERN

Figure 15 shows a correct burner flame pattern. Figure 16 shows an incorrect burner flame pattern. If burner flame pattern is incorrect,

- turn heater off (see to Turn Off Gas to Appliance, page 9)
- see Troubleshooting, pages 11 through 12

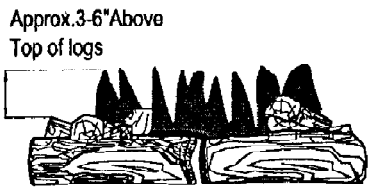


Figure 15 - Correct Flame Pattern With Control Knob Set to High Flame

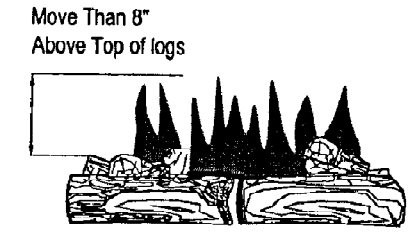


Figure 16 - Incorrect Flame Pattern With Control Knob Set to High Flame

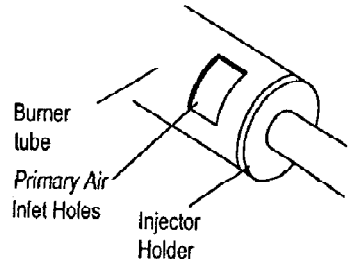


Figure 17 - Injector Holder On Outlet Burner Tube

CLEANING AND MAINTENANCE

⚠ WARNING: Turn off fireplace and let cool before cleaning.

⚠ CAUTION: You must keep control areas, burner, and circulating air passageways of fireplace clean. Inspect these areas of fireplace before each use. Have fireplace inspected yearly by a qualified service person. Heater may need more frequent cleaning due to excessive lint from carpeting, bedding material, pet hair, etc.

CLEANING ODS/IGNITOR AND BURNER

Clean with a vacuum cleaner.

CLEANING MAIN AIR INLET HOLE

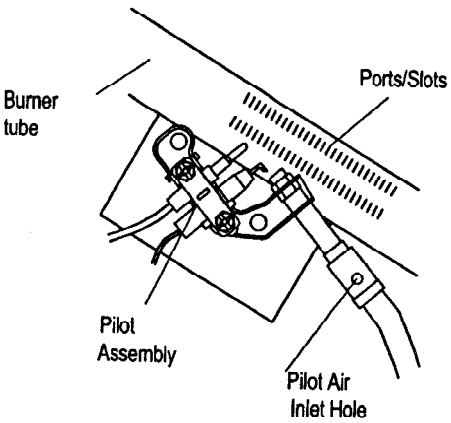
We recommend that you clean the unit every three months or after 2500 hours of operation. We also recommend that you keep the burner tube and pilot assembly clean and free of dust and dirt. To clean these parts we recommend using compressed air no greater than 30 PSI. You can use a vacuum cleaner in the blow position. If using compressed air in a can, please follow the directions on the can. If you don't follow directions on the can, you could damage the pilot assembly.

1. Shut off the unit, including the pilot. Allow the unit to cool for at least thirty minutes.
2. Inspect burner, pilot and primary air inlet holes on injector holder for dust and dirt (see Figure 17).
3. Blow air through the ports/slots and holes in the burner.
4. Check the injector holder located at the end of the burner tube again. Remove any large particles of dust, dirt, lint, or pet hair with a soft cloth or vacuum cleaner nozzle.
5. Blow air into the primary air holes on the injector holder.
6. In case any large clumps of dust have now been pushed into the burner repeat steps 3 and 4.

CLEAN AND MAINTENANCE

Continued

Clean the pilot assembly also. A yellow tip on the pilot flame indicates dust and dirt in the pilot assembly. There is a small pilot air inlet hole about two inches from where the pilot flame comes out of the pilot assembly (see Figure 18). With the unit off, lightly blow air through the air inlet hole. You may blow through a drinking straw if compressed air is not available.



CABINET

Air Passageways

- Use a vacuum cleaner or pressurized air to clean.

EXTERIOR

- Use a soft cloth dampened with a mild soap and water mixture. Wipe the cabinet to remove dust.

LOGS

- If you remove logs for cleaning, refer to Installing Logs, page 13, to properly replace logs.
- Replace log(s) if broken or chipped (dime-sized or larger).

MAIN BURNER

Periodically inspect all burner flame holes with the fireplace running. All slotted burner flame holes should be open with yellow flame present. All round burner flame holes should be open with a small blue flame present. Some burner flame holes may become blocked by debris or rust, with no flame present. If so, turn off fireplace and let cool. Either remove blockage or replace burner. Blocked burner flame holes will create soot.

TROUBLE SHOOTING

Note: **All troubleshooting items are listed in order of operation.**

⚠ WARNING: Turn off and let cool before servicing. Only a qualified service person should service and repair fireplace.

⚠ CAUTION: Never use a wire, needle, or similar object to clean ODS/pilot. This can damage ODS/pilot unit.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
When ignitor button is pressed, there is spark at ODS/pilot but no ignition	1. Gas supply turned off or equipment shotoff valve closed 2. Control knob not in PILOT position 3. Control knob not pressed in while in PILOT position 4. Air in gas lines when installed. 5. Depleted gas supply 6. ODS/pilot is clogged 7. Gas regulator setting is not correct	1. Turn on gas supply or open equipment shutoff valve 2. Turn control knob to PILOT position 3. Press in control knob while in PILOT position 4. Continue holding down control knob. Repeat igniting operation until air is removed 5. Contact local propane/LP gas company 6. Clean ODS/pilot (see Cleaning and Maintenance,page 10) or replace ODS/pilot assembly 7. Replace gas control

TROUBLESHOOTING
Continued

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
ODS/pilot lights but flame goes out when control knob is released	1. Control knob not fully pressed in 2. Control knob not pressed in long enough 3. Equipment shutoff valve not fully open 4. Thermocouple connection loose at control valve 5. Pilot flame not touching thermcouple which allows thermocouple to cool, causing pilot flame to go out. This problem could be caused by one or both of the following A) Low gas pressure B) Dirty or partially clogged ODS/ pilot 6. Thermocouple damaged 7. Control valve damaged	1. Press in control knob fully 2. After ODS/pilot lights, keep control knob pressed in 30 seconds. 3. Fully open equipment shutoff valve 4. Hand tighten until snug, then tighten 1/4 turn more. 5. A) Contact local propane/LP gas company. B) Clean ODS/pilot (*see Cleaning and Maintenance*, page 10) or replace ODS/pilot assembly 6. Replace thermocouple 7. Replace control valve
Burner does not light after ODS/pilot is lit	1. Burner orifice clogged 2. Inlet gas pressure is too low 3. Burner orifice diameter is too small 4. Thermocouple leads disconnected or improperly connected	1. Clean burner (*see Cleaning and Maintenance*, page 10) or replace burner orifice. 2. Contact local propane/LP gas company 3. Replace burner orifice 4. Reconnect leads (*see wiring diagram*)
Delayed ignition burner	1. Manifold pressure is too low 2. Burner orifice clogged	1. Contact local gas company 2. Clean burner (see *Cleaning and Maintenance,* page 10)
Burner backfiring during combustion	1. Damaged burner 2. Gas regulator defective	1. Clean burner orifice (*see Cleaning and Maintenance*, page 10) 2. Replace gas regulator
Slight smoke or odor during initial operation	1. Residues from manufacturing processes 2. Not enough air 3. Gas regulator defective	1. Problem will stop after a few hours of operation 2. Check burner for dirt and debris. If found, clean burner (*see Cleaning and Maintenance*, page 10) 3. Replace gas regulator
Dark residue on logs or inside of fireplace	1. Improper log placement 2. Air holes at burner inlet blocked 3. Burner flame holes blocked	1. Properly locate logs (*see installing logs*, page 19) 2. Clean out air holes at burner inlet. Periodically repeat as needed. 3. Remove blockage or replace burner
Heater produces a clicking/ticking noise just after burner is lit or shut off	1. Metal expanding while heating or contracting while cooling	1. This is common with most heaters. If noise is excessive, contact qualified service person

SPECIFICATIONS

	FMK4024 FMK4026	FMK4023 FMK4025
Btu	20000/40000	20000/40000
Gas Type	LP Gas	Natural Gas
Ignition	Piezo	Piezo
Manifold Pressure	8"W.C.	3"W.C.
Inlet Gas Pressure (In. of water)*		
Maximum	14"	10.5"
Minimum	11"	5"
Dimensions, Inches (H×W×D)		
Heater	48”X42 5/16” X 14 1/2”	48”X42 5/16” X 14 1/2”
Carton	46 “X 46 1/2” X 17 1/2”	46 “X 46 1/2” X 17 1/2”
Weight, Lb		
Stove	145(143**)	145(143**)
Shipping	165(162**)	165(162**)

* For purposes of input adjustment.

** The weight of FMK4023 FMK4024

REPLACEMENT

REPLACEMENT PARTS

Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

PARTS UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement part(s) call KOZY-WORLD's Technical Service Department at (814)643-1775 for referral information.

When calling KOZY-WORLD or your dealer,have ready

- Your name
- Your address
- Model and serial numbers of your fireplace
- How fireplace was malfunctioning
- Type of gas used (propane/LP or natural gas)
- Purchase date
- Warranty card

Usually, we will ask you to return the defective part to the factory.

PARTS NOT UNDER WARRANTY

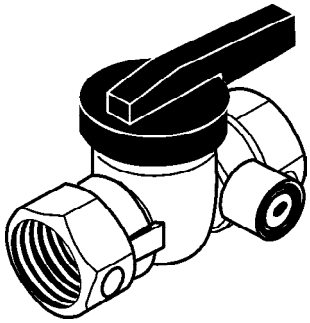
Contact authorized dealers of this product or Parts Central. If they can't supply original replacement part(s) call KOZY-WORLD at (814)643-1775 for referral information.

When calling KOZY-WORLD, have ready

- Model number of your fireplace
- The replacement part number

ACCESSORIES

Purchase these fireplace accessories from your local dealer or Parts Central. If they cannot supply these accessories, call KOZY-WORLD at (814) 643-1775 for referral information. You can also write to the address listed on the front page of this manual.

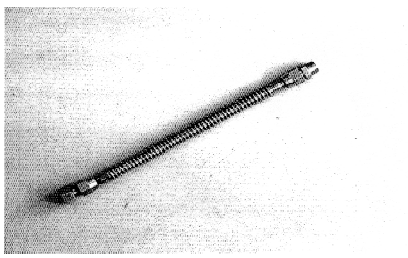


EQUIPMENT SHUTOFF VALVE

Equipment shutoff valve with 1/8" NPT tap. This part is not currently available from KOZY-WORLD.

FLEXIBLE GAS HOSE

- Flexible gas hose is used for connecting the heater to gas supply.
- The flexible gas hose must be CSA approved.

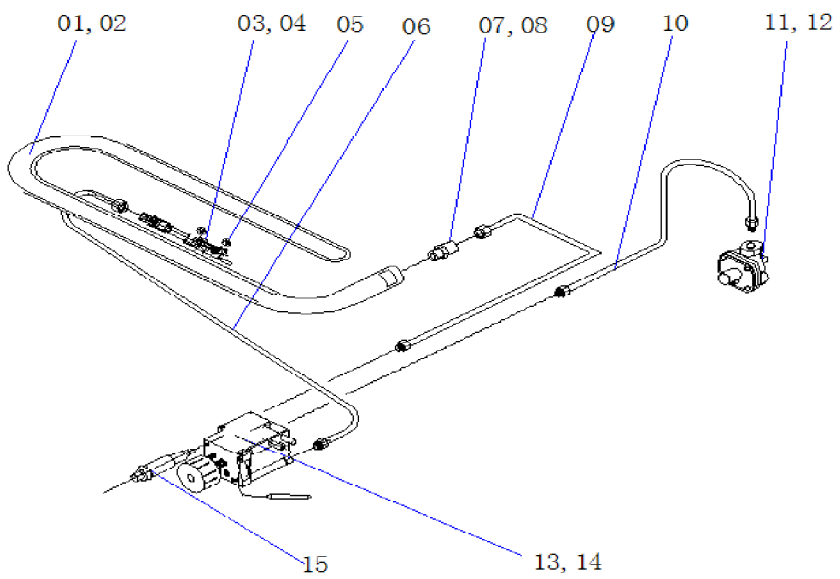


PARTS LIST

This list contains replaceable parts used in your fireplace. When ordering parts, follow the instructions listed under *Replacement Parts* on page 14 of this manual.

FMK4023 FMK4025
FMK4024 FMK4026

KEY NO	PART NUMBER	DESCRIPTION	QTY	
			NG	LP
01	NBY40-032H3	BURNER	1	
02	NBY40-140H3	BURNER		1
03	ND1703X400X4	ODS 3010-17(NG)	1	
04	ND1808X400X4	ODS 3010-18(LP)		1
05	6170-5Z	M5 Nut	2	2
06	HB41-008	Pilot Tube Assembly	1	1
07	HL036-01	Injector(NG)	1	
08	HL036-02	Injector(LP)		1
09	HB31-006	Inlet Tube Assembly	1	1
10	HB31-007	Outlet Tube Assembly	1	1
11	NRV82FB-3	Regulator NRV82FB-3"(NG)	1	
12	NRV82FB-8	RegulatorNRV82FB-8"(LP)		1
13	SIT545-218	SIT Thermostat Control Valve	1	
14	SIT545-200	SIT Thermostat Control Valve		1
15	ML083-02	Ignitor	1	1



Parts list

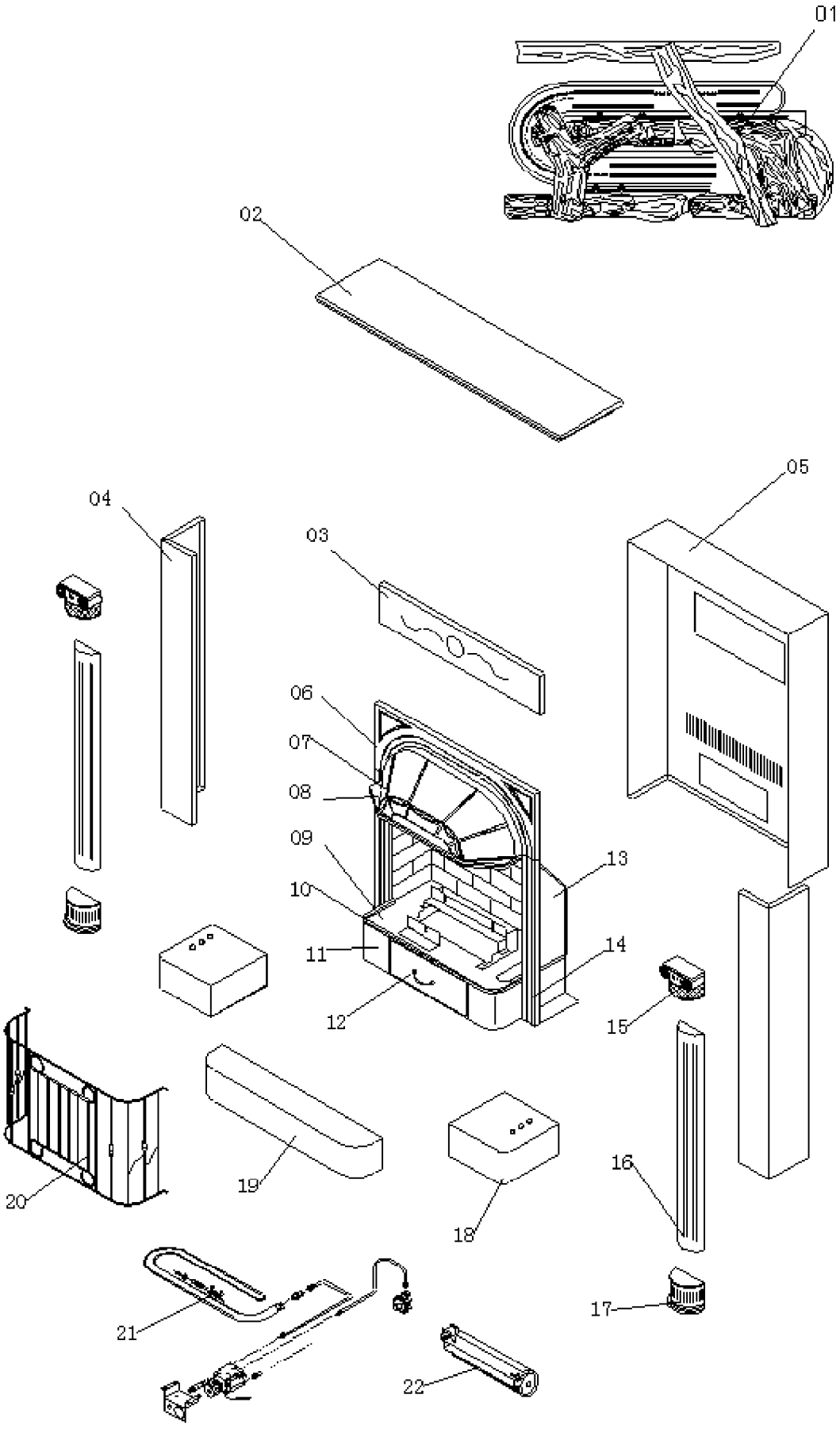
FMK4023 FMK4025
FMK4024 FMK4026

KEY NO	PART NUMBER	DESCRIPTION	QTY					
			NG			LP		
			A-C	A-O	B-W	A-C	A-O	B-W
01	HB21-009	Decorating Logs Assembly	1	1	1	1	1	1
02	HL001-01	Top Panel			1			1
	HL001-02	Top Panel	1			1		
	HL001-03	Top Panel		1			1	
03	HL002-01W	Upper Panel			1			1
	HL002-02C	Upper Panel	1			1		
	HL002-03O	Upper Panel		1			1	
04	HL003(4)-01W	Side Panel			2			2
	HL003(4)-02C	Side Panel	2			2		
	HL003(4)-03O	Side Panel		2			2	
05	HL012-01	Cabinet			1			1
	HL012-02	Back Panel	1	1		1	1	
06	HL010-01	Panel	1	1	1	1	1	1
07	HB29-01	Upper Screen	1	1	1	1	1	1
08	HL023-01	Upper Louver	1	1	1	1	1	1
09	HL017-01	Firebox Floor	1	1	1	1	1	1
10	HL014-01	Lower Screen Frame	1	1	1	1	1	1
11	HL015-01	Lower Panel	2	2	2	2	2	2
12	HL027-01	Door	1	1	1	1	1	1
13	HB11-03	Reflector Assembly	1	1	1	1	1	1
14	HL011-01	Left Inner Column	1	1	1	1	1	1
	HL011-02	Right Inner Column	1	1	1	1	1	1
15	HL006-01	Upper Decoration	2		2	2		2
16	HL005-01	Rome column	2		2	2		2
17	HL007-01	Lower Decoration	2		2	2		2
18	HB46-001(3)W	Left(right) Base			1(1)			1(1)
	HB46-001(4)C	Left(right) Base	1(1)			1(1)		
	HB46-002(4)O	Left(right) Base		1(1)			1(1)	
19	HB46-005W	Mid Base			1			1
	HB46-005C	Mid Base	1			1		
	HB46-005O	Mid Base		1			1	
20	HB29-002	Lower Screen	1	1	1	1	1	1
21	HB17-001	Burner Assembly	1	1	1			
	HB17-002	Burner Assembly				1	1	1
22	PF06-YJLF-F	Fan	1	1	1	1	1	1

ILLUSTRATED
PARTS BREAKDOWN

FMK4025

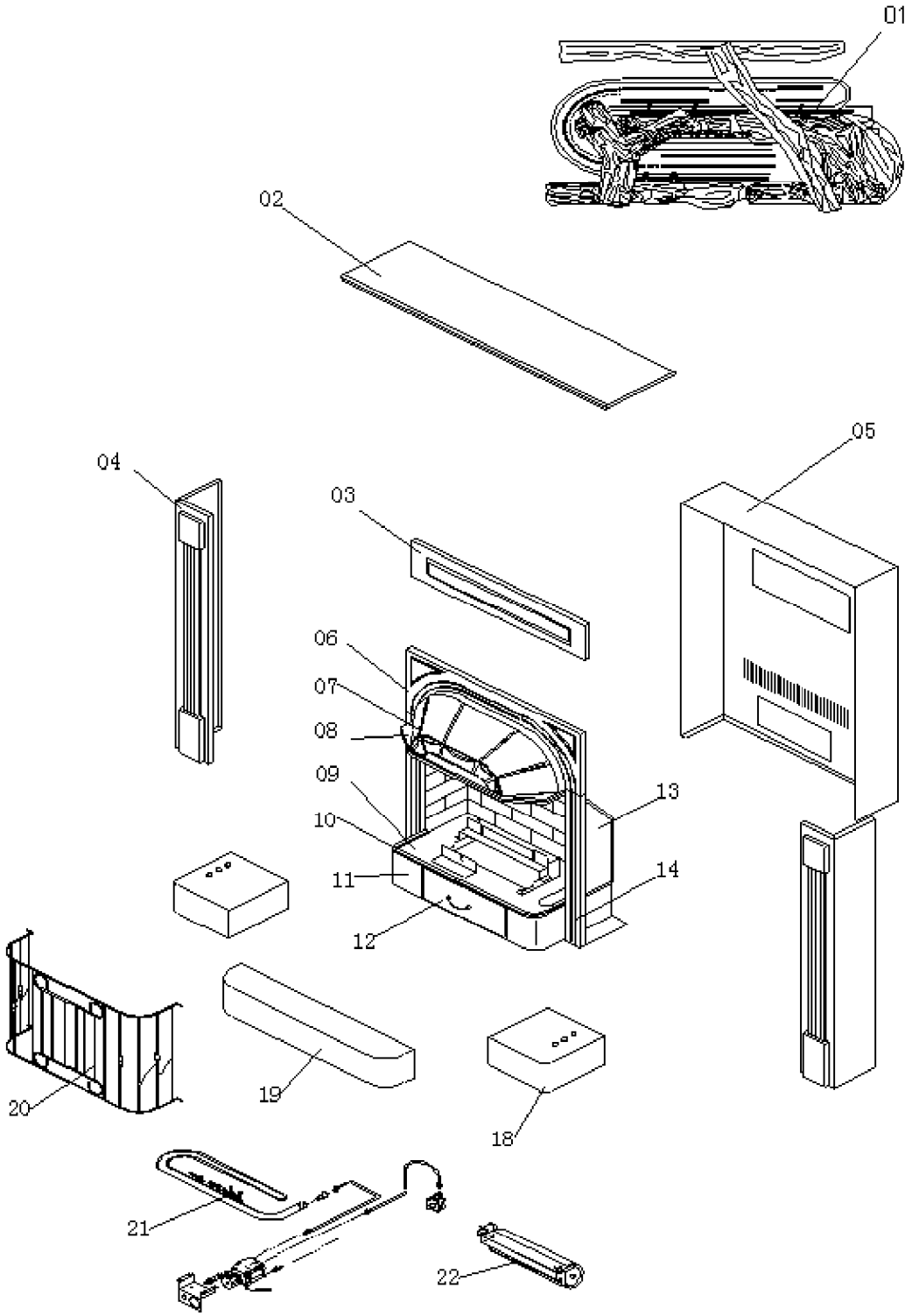
FMK4026



ILLUSTRATED
PARTS BREAKDOWN

FMK4023

FMK4024



1. Install base and flex tube.

- Take out the base from the package
- Line the holes on the upper surface of the left and right base with the corresponding holes on the lower surface of the heater,then fasten with self-tapping screws(Figure 4-1).
- Place the mid base between the left and right base on proper position(Figure 4-2).

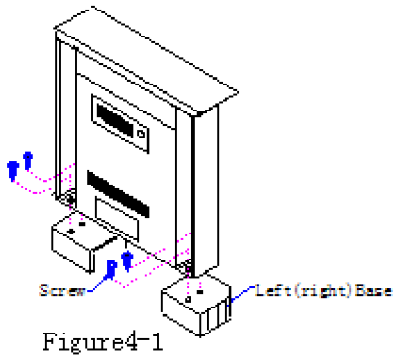


Figure4-1

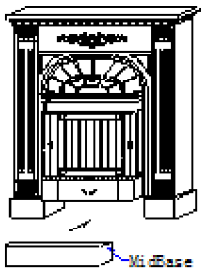


Figure4-2

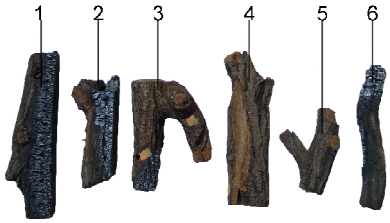


Figure 6

2. Install the decorating logs.

- Take out the screen from the fireplace
- Fasten decorating logs 1,2,3 onto the correspondent angle iron (Figure 6).
- Fasten decrations logs.4 onto the correspondent angle iron in front of fixbox.(see figure 7)

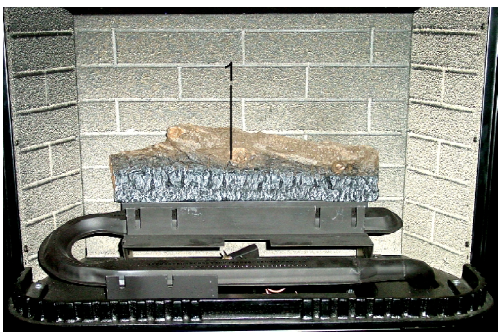


Figure 5

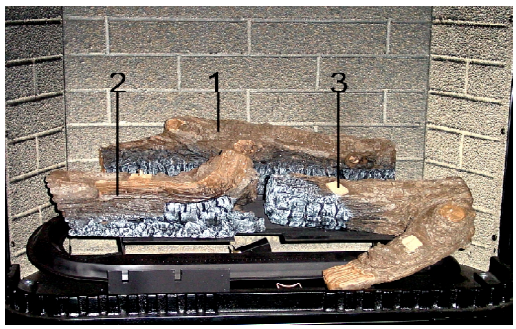


Figure 6

- Insert the pinhole in the upper part of log 4 into the pin on the left side of log 1. Place the lower part on the flat roof at the left side of log 3 (Figure 8).
- Insert the pinhole in the upper side of log 5 into the pin on the right side of log 1. Place the lower part on the flat roof at the right side of log 4(Figure 8).

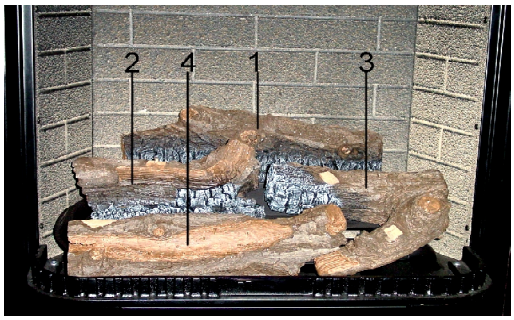


Figure 7

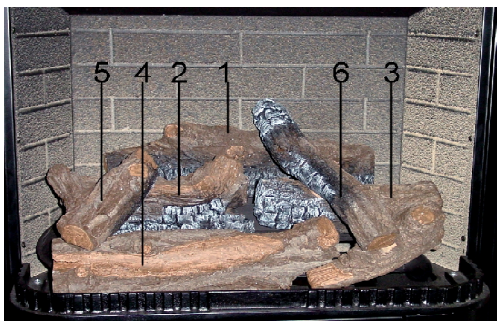


Figure 8

- Install the screen to the fireplace

3. Install the fireplace according to the operating indication in the owner's manual.

BLOWER ACCESSORY MODEL 20-6028

Accessory 20-6028
Tools required: Philips screwdriver

NOTICE: Shut off gas fireplace during the following blower installation

1. From back of fireplace remove the Knock-out center panel with two brackets at the four sides with a Philips head screwdriver (see Figure 9-F).
2. Guide the four strand wire of downlead through the jacket hole, connect the two yellow leads and the temperature control switch on the temperature controlled bracket together, secure the temperature controlled bracket on the reflect panel of firebox using two self-tapping screws. (See Figure 12-F).
3. Using the previously removed screws, mount blower assembly to stove by reattaching the knock-out center panel to rear panel. Draw the four strand cable backward so as to expose the three black, green, white lines on the four strand cable at the back of rear panel. Be sure not to drop the temperature controlled wire off the reflect panel. Connect the green grounding means wire and four strand cable together, connect the two black motor downleads respectively and remaining two black and white wires together by the same means (see Figure 12-F). **(Note: the three wires must be connected at the rear panel)**
4. Use the thread that binds the electrical wire to clean up and pack the outside connection wire of the cable.
6 Place operation control housing just inside control compartment door in front of stove.Using two black screws, provided in blower kit,mount blower operation control housing to mounting tab in left side of lower control compartment (see Figure 14-F).
7 Check to make sure that the power cord is completely clear of blower wheel and there are no foreign objects in blower wheel.
8 Use screws provided in blower kit to assemble the plate which assembled with strain relief bushing and power cord on the knockout center panel.
9 Peel off the backing paper and stick the supplied wiring diagram decal on the back panel as show in Figure 13-F.
10 Plug power cord into a convenient 3-prong grounded wall receptacle near the stove.

WARNING: **1. ELECTRICAL GROUNDING INSTRUCTIONS this appliance is equipped with a three-prong grounding plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle.**
2. Do not let the wires touch the reflect panel of the firebox. Let the wires of the motor and green wire through the hole of the Knock-out panel.

11 Using Auto/O/Man switch, turn blower on and check for operation. Turn on Auto/O/ Man switch to the desired position-Man position will remain constantly on. Auto position will be controlled by the thermostat on fan blower unit. To stop the operation, turn unit switch to the O position.
12 All remaining parts from blower kit may be discarded.

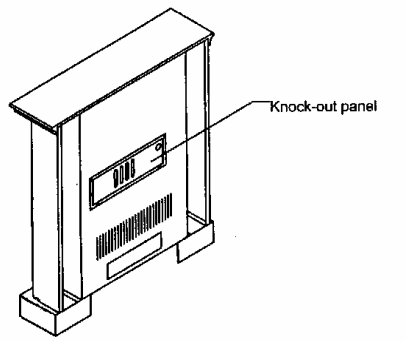


Figure 9-F Removing Stove Knock-out Panel

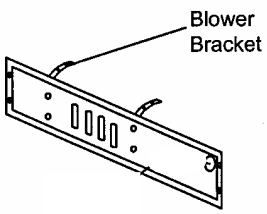


Figure 10-F Installing Bushing

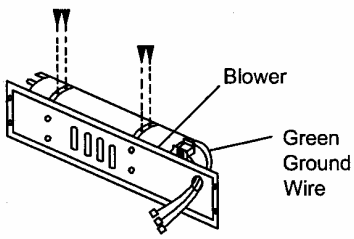


Figure 11-F Attaching Bracket To Blower

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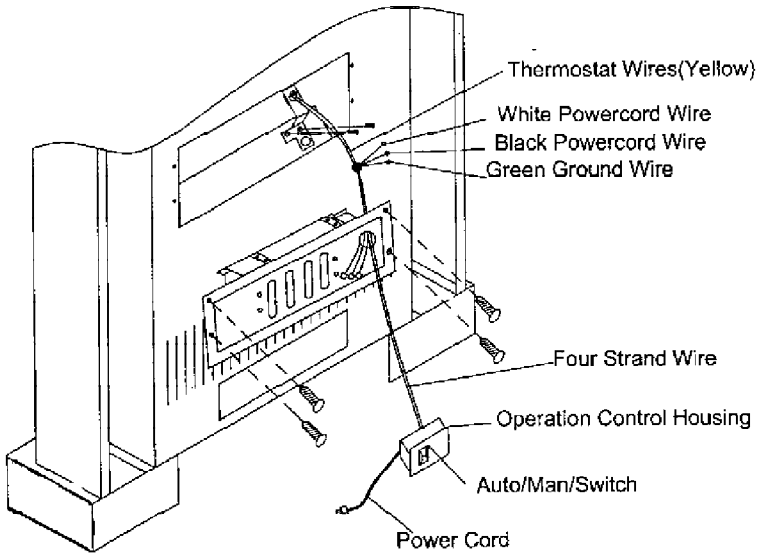

Figure 12-F Mountng Temperature Controlled Bracket and Mounting Blower

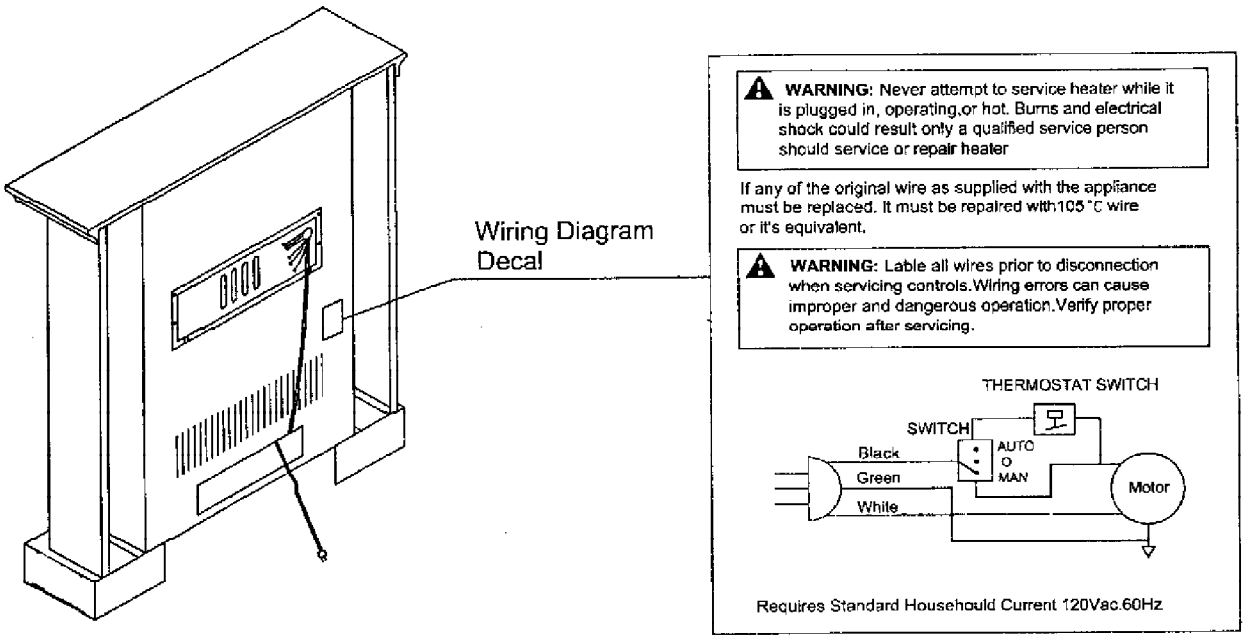

Figure 13-F Routing Power Cord

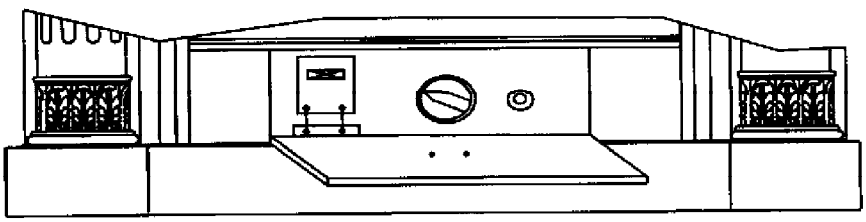

Figure 14-F Installing Blower Control Housing