



Comfort Glow™

EF6521R

**Freestanding
Electric Fireplace**

Installation Instructions and Homeowner's Manual

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



Comfort Home Products, Inc.
12256 William Penn Hwy, Ste A
Huntingdon, PA 16652
Made in China
Printed in China

PHONE NUMBER: (814) 643-1775
<http://www.worldmkting.com>

FOR YOUR SAFETY

**DO NOT STORE
OR USE GASOLINE OR
OTHER FLAMMABLE VAPORS
OR LIQUIDS
IN THE VICINITY OF THIS OR
ANY OTHER APPLIANCE**

ANSI/UL 1278. MOVABLE AND WALL OR CEILING HUNG ELECTRIC ROOM HEATERS

**INSTALLER: DO NOT DISCARD THIS MANUAL - LEAVE FOR HOME OWNER
CUSTOMER: PLEASE RETAIN THIS MANUAL FOR FUTURE USE**

TABLE OF CONTENTS

PLEASE READ THE INSTALLATION & OPERATIONS INSTRUCTIONS BEFORE USING THIS APPLIANCE

IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible electric shock, fire hazard and will void the warranty.

| | |
|----------------------------------|-------|
| Installation instructions | ..... |
| General | ..... |
| Locating Your Electric Fireplace | ..... |
| Clearance To Combustibles | ..... |
| Electrical Connections | ..... |
| Electrical Specifications | ..... |
| Parts List | ..... |
| Assembly Instructions | ..... |
| Service Instructions | ..... |
| Replacing Light Bulbs | ..... |
| Glass Information | ..... |
| Maintenance of Motors | ..... |
| Cleaning Instructions | ..... |
| Operating Instructions | ..... |
| On/Off Switch | ..... |
| Heater Control | ..... |
| Instructions for power | ..... |
| Specifications | ..... |
| Replacement Parts List | ..... |

IMPORTANT SAFETY INSTRUCTIONS

PLEASE RETAIN THIS USER'S GUIDE FOR FUTURE REFERENCE

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to person, including the following:

1. Read all instructions before using this fireplace.
2. This fireplace is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. The grill directly in front of the heater outlet becomes hot during heater operation. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet from the front of the unit.
3. **CAUTION: Extreme caution is necessary when any heater is used by or near children or invalids and whenever the fireplace is left operating and unattended.**
4. Always unplug fireplace when not in use.
5. **Do not operate any fireplace with a damaged cord or plug or after the heater has malfunctioned, or if the fireplace has been dropped or damaged in any manner. Take fireplace to authorized service facility for examination, electrical or mechanical adjustment or repair.**
6. Do not use outdoors.
7. This fireplace is not intended for use in bathrooms, laundry areas or similar indoor locations. Never locate fireplace where it may fall into a bathtub or other water container.
8. Do not install the fireplace directly on carpet or a similar surface, which may restrict air circulation beneath the unit.
9. Do not run cord under carpeting. Do not cover cord with throw rugs, runners or the like. Arrange cord away from traffic areas and where it will not be tripped over.
10. To disconnect fireplace, turn controls to the off position and remove plug from outlet.
11. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause electric shock, fire or damage to the fireplace.
12. To prevent fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, such as a bed, where openings may become blocked.
13. **CAUTION:** This appliance gets hot and it contains internal parts that could arc or spark. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored. This electric fireplace should not be used as a drying rack for clothing. Also, do not have Christmas stockings or decorations hung on or near it.
14. Do not modify this fireplace. Use it only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons.
15. Avoid the use of an extension cord because it may overheat and cause a risk of fire. However if you must use an extension cord, the cord shall be NO. 16 AWG minimum size and rated not less than 1875 watts.
16. Do not burn wood or other materials in this fireplace.
17. Do not strike fireplace glass.
18. Always use a certified electrician should new circuits or outlets be required.
19. Always use properly grounded, fused and polarized outlets.
20. Always use ground fault protection where required by electrical code.
21. Always disconnect power before performing any cleaning, maintenance or relocation of the fireplace.
22. When transporting or storing the fireplace and cord, keep in a dry place, free from excessive vibration and store so as to avoid damage.
23. Do not plug this product into a receptacle controlled by a wall switch or dimmer.
24. Do not exceed recommended bulb wattage. Using a higher wattage bulb could create a fire hazard or cause damage to your electric fireplace.
25. **SAVE THESE INSTRUCTIONS.**



WARNING: Procedures and techniques, which, if not carefully followed, will expose the user to the risk of serious injury, illness or death.



WARNING: Procedures and techniques, which, if not carefully followed, will result in damage to the equipment or personal property or may cause personal injury.

WARNING: This is a 1500 watt heater and parts become hot when in use. Be sure to maintain a personal distance and keep any combustible material at least three (3) feet away from the front of the heater. The area directly behind, around and under the heater must be clear and free of any obstructions.

KEEP CHILDREN AND PETS AWAY FROM HEATER AND CONTROLS

LOCATING YOUR ELECTRIC FIREPLACE

Your new freestanding electric fireplace may be installed virtually anywhere in your home. However, when choosing a location for your new electric fireplace, ensure that the general instructions are followed. For best results, install the electric fireplace out of direct sunlight.

CLEARANCE TO COMBUSTIBLES

Back.....4"/0mm
Sides.....0"/0mm
Floor.....0"/0mm
Top.....24"/610mm
Front.....36"/915mm

ELECTRICAL SPECIFICATIONS

Voltage.....120 VAC/60Hz
Total Amps.....11.3 Amps
Total Watts.....1500 Watts
Heater Ratings.....1400 Watts (+5%, -10%)

ELECTRICAL CONNECTION

A 15 AMP, 120 Volt, 60Hz circuit with a properly grounded outlet is required. Preferably, the heater will be on a dedicated circuit. Other appliances on the same circuit may cause the circuit breaker to trip or the fuse to blow when the heater is in operation. The unit comes standard with a 6' (1828mm) long three wire cord exiting from the rear of the fireplace. Plan the installation to avoid the use of an extension cord. If an extension cord must be used, it must be a minimum 16 AWG three wire with grounding type plug connector and rated no less than 1900 Watts.



WARNING: Electrical outlet wiring must comply with local building codes and all other applicable regulations to reduce the risk of fire, electrical shock and injury.



WARNING: Do not use this fireplace if any part of it has been under water. Immediately call a qualified service technician to inspect the fireplace and replace any part of the electrical system if necessary.

ASSEMBLY INSTRUCTIONS

NOTE: A complete electric fireplace heater should consist of two parts, the wooden mantle and the fireplace heater each packed in a separate carton. It is not recommended to use the fireplace heater without the wooden mantle. Unpack the fireplace heater and mantle. Remove all packing materials.

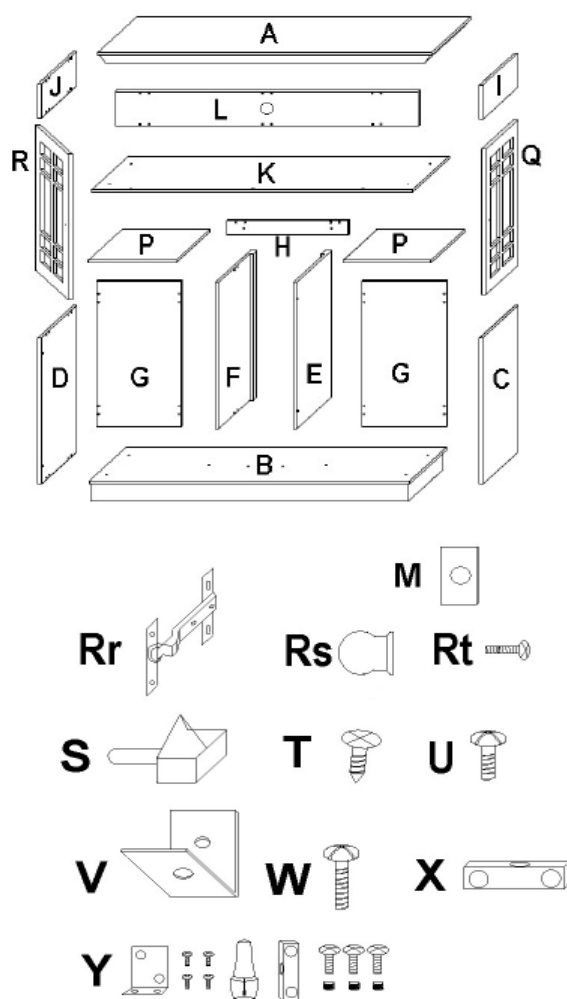
PARTS LIST:

| | |
|---------------------------|-----|
| Fireplace insert | 1 |
| A) Top panel | 1 |
| B) Base panel | 1 |
| C) Left outer side panel | 1 |
| D) Right outer side panel | 1 |
| E) Left inner side panel | 1 |
| F) Right inner side panel | 1 |
| G) Lower back panel | 2 |
| H) Middle front panel | 1 |
| I) Left upper side panel | 1 |
| J) Right upper side panel | 1 |
| K) Middle panel | 1 |
| L) Upper back panel | 1 |
| M) Small brackets | 2 |
| P) Shelves | 2 |
| Q) Left door | 1 |
| R) Right door | 1 |
| Rr) Door hinges | 4 |
| Rs) Door handles | 2 |
| Rt) Door screws | 2 |
| S) Shelf support pins | 8 |
| T) Mounting screws | 16 |
| U) Short KD screws | 4 |
| V) "L" Mounting brackets | 2 |
| W) KD screws | 108 |
| X) Plastic connectors | 36 |

Y) SELF REPAIR SET

| | |
|--------------------------------|---|
| Touch-up repair paint (bottle) | |
| L-shape bracket | 2 |
| Screws for L bracket | 8 |
| Plastic connectors | 1 |
| KD screws | 3 |
| KD nuts | 3 |

TOOL REQUIRED: PHILLIPS HEAD SCREWDRIVER



MANTEL ASSEMBLY:

CAUTION: Place a piece of cardboard or protective sheet on the floor in order to avoid scratching the decorative surface of your mantle during assembly.

Please **DO NOT** fully tighten the KD screws until all panels are assembled.

NOTE: Each plastic connector is pre-assembled (pre-drilled) on the specific panels with 2 screws. If the KD screw(s) do not fit during assembly, loosen the 2 (pre-drilled) screws to adjust the Plastic Connector until the KD screws are able to be installed. Tighten all KD screws once all panels are assembled.

Step 1: Attach 12 plastic connectors to panels C, D, E and F with 28 KD screws. Attach 8 shelf support pins to panel C, D, E and F. See Fig. A.

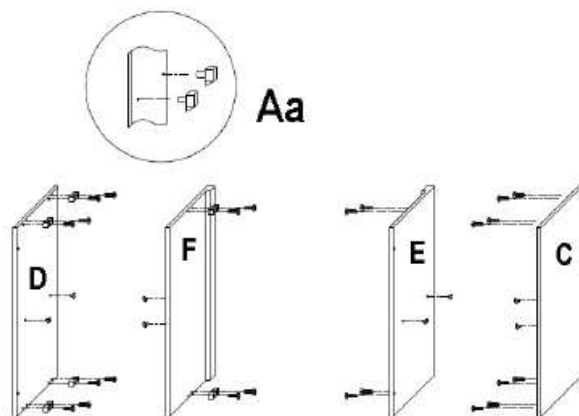


Fig. A

Step 2: Attach 24 plastic connectors [X] to panels G, H, I, J and L with 28 KD screws. See Fig. B.

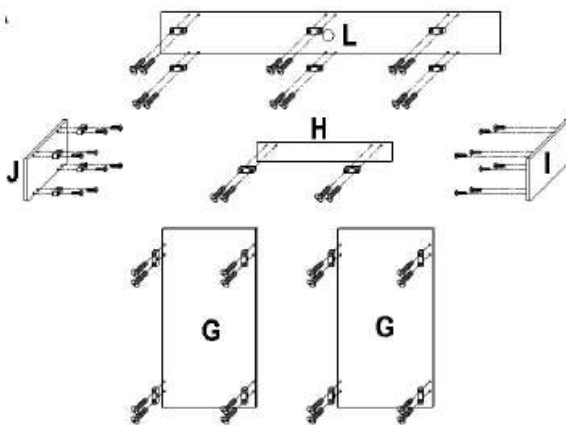


Fig. B

Step 3: Attach panel C and D to base panel [B] with 4 KD screws. Attach panel E and F to base panel (B) with 2 KD screws. See Fig. C.

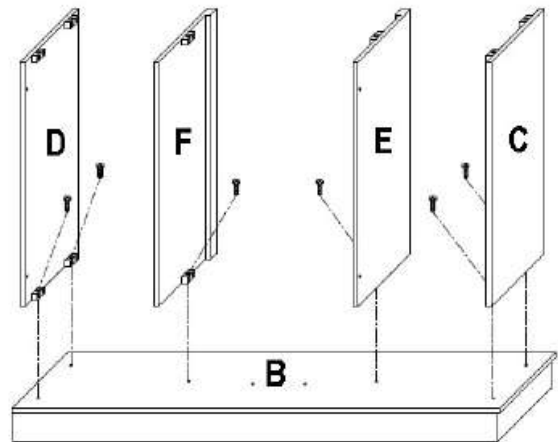


Fig. C

Step 4: Attach panel G to panels C, D, E and I with 8 KD screws. See Fig. D.

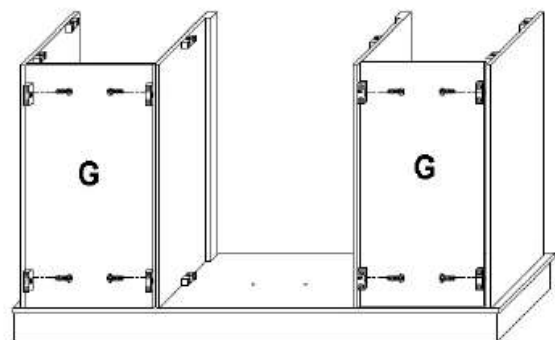


Fig. D

Step 5: Attach panel H to middle panel [K] with 2 KD screws. See fig. E.

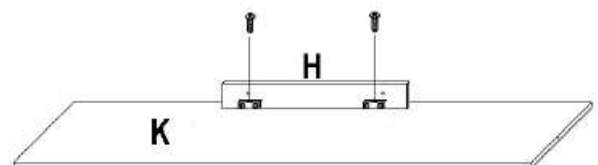


Fig. E

Step 6: Attach panel K to panels C, D, E and F with 6 KD screws. See fig. F.

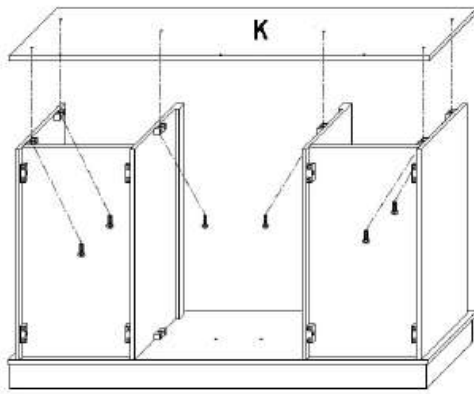


Fig. F

Step 7: Attach panel I and J to panel K with 4 KD screws. See fig. G.

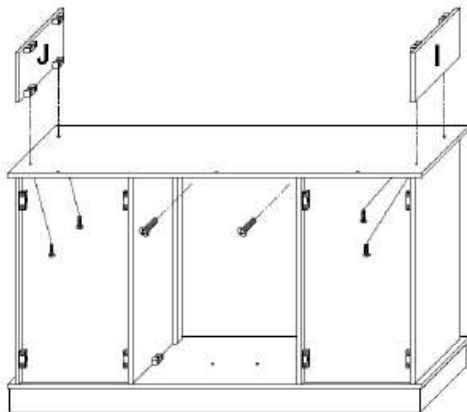


Fig. G

Step 8: Attach panel L to panel K with 3 KD screws. See fig. H.

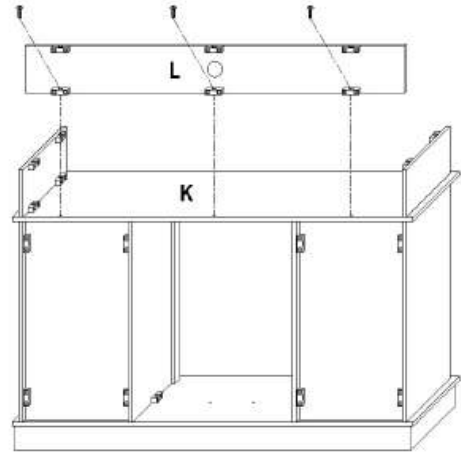


Fig. H

Step 9: Attach panel A to panel I and J with 7 KD screws. See fig. I.

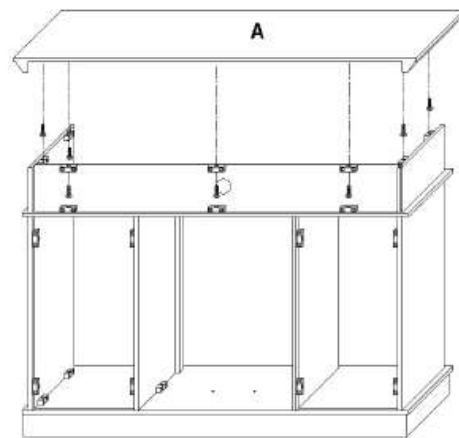


Fig. I

Step 10: Attach panels P into the unit as shown in Fig J.

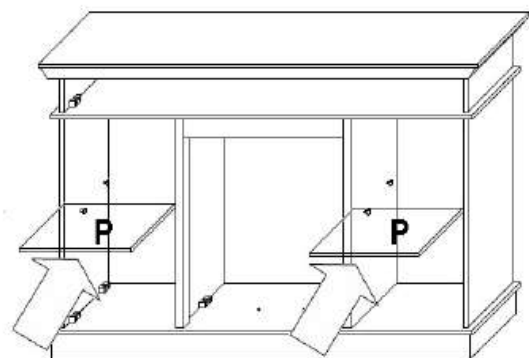


Fig. J

Step 11: Attach 4 door hinges to Left and right door [Q and R] with 8 mounting screws [T] (2 screws for each hinge) as shown in Fig K. Attach left and right door [Q and R] to panel C and D with 8 mounting screws [T] (2 screws for each hinge). See Fig. K. Attach door handles [Rs] to left and right door with 2 door screws [Rt].

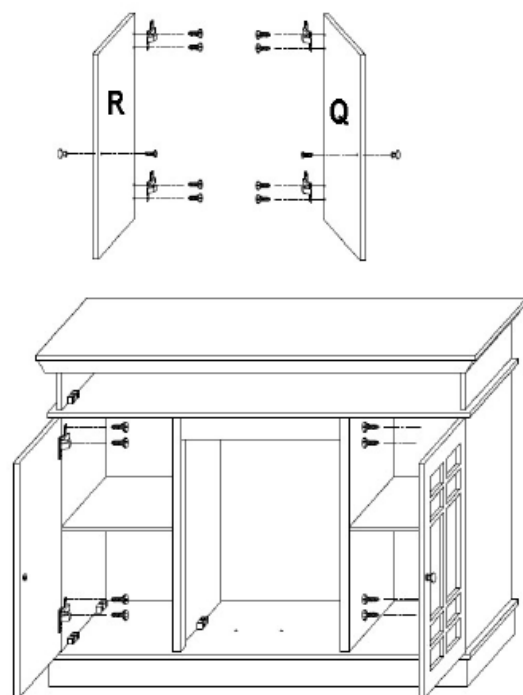


Fig. K

Step 12: Tighten all KD SCREWS.

WARNING: Make sure the fireplace insert controls are in the OFF position and the unit is NOT plugged in.

Step 1: Carefully place the INSERT in the unit opening. The front of INSERT should be flush with the front of the mantel. Carefully lift the INSERT into the mantel until the top stopper is against the mantel.

Step 2: Attach 2 small brackets [M] at the top of insert with 2 KD screws. Attach the L-mounting bracket to Base panel with 2 short KD screws. See Fig. L.

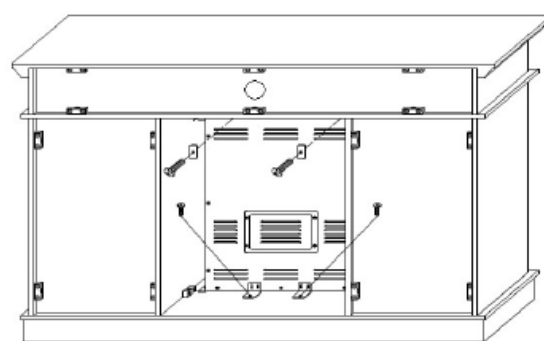


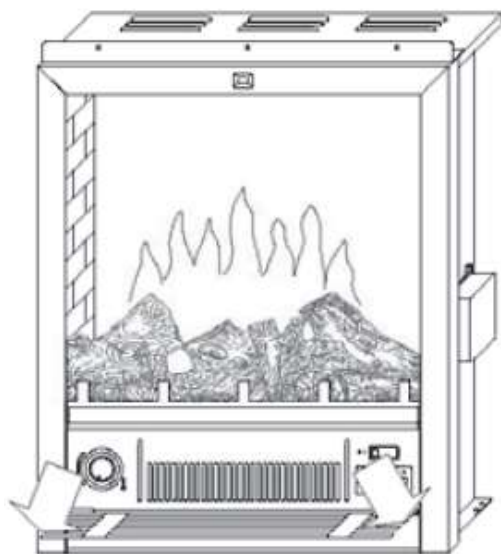
Fig. L

Step 3: Move assembled unit to desired location. Unit should not be positioned in area exposed to direct sunlight.

OPERATING INSTRUCTIONS

Note: Ensure the circuit breakers for the power supply are turned on.

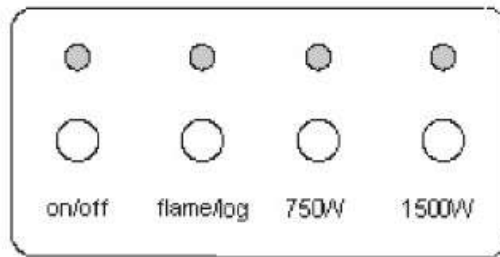
The controls are located behind the grill below front glass and can be accessed by pulling the grill up from the top, forward and down.



Main Power On/Off



Press this button for main power. The indicator light will turn on.

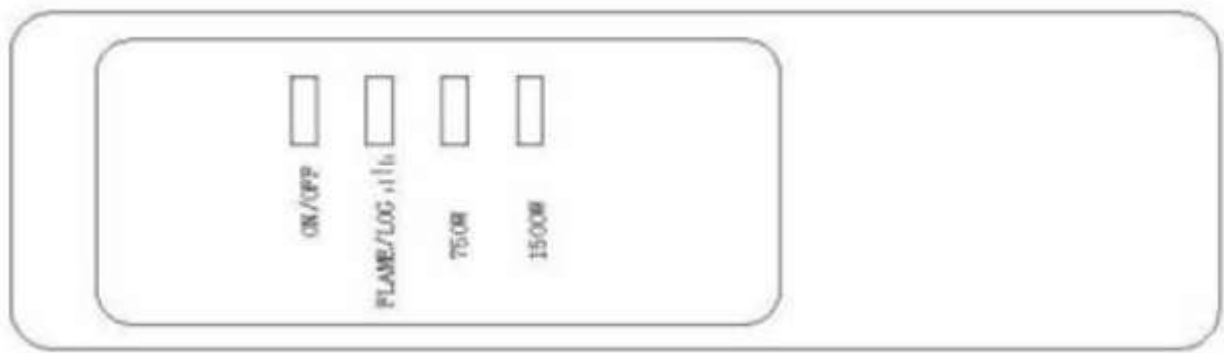


1. **ON/OFF Button:** Main power and flame effect. The red indicator light will turn on when heater is on.
2. **FLAME/LOG:** Press this button once for flame effect. The unit will beep and the indicator light will turn on. The bulbs for flame effect & logset will be on. Pressing button again will turn off the light function.
3. **750W:** For low heat function - Press this switch while the ON/OFF switch is in the ON position. The indicator light will turn on. Pressing button again will turn off the low heat function.
4. **1500W:** For high heat function - Press this switch while the ON/OFF switch and the 750W switch are in the ON position for high heat. The indicator light will turn on. Pressing button again will turn off the high heat function.
5. **Temperature Control:** To adjust the temperature to your individual requirements, turn the temperature control dial to the right (clockwise) to increase the desired temperature and to the left for lower temperature. This temperature control dial can only be used while the ON/OFF switch and 750W & 1500W switches are in the ON position. When the heater reaches the desired temperature the heater and 750W/1500W indicator light will turn off and the fan will stop working for air flow.

Note: When the ON/OFF switch is turned OFF, all other heater functions will stop even though the switches may be in the ON position.

INSTRUCTIONS FOR REMOTE OPERATION

Plug in your electric fireplace and it will beep once. This means you have power and your remote is ready to operate your electric fireplace.



1. **ON/OFF:** Press this button to turn on the main power.
2. **FLAME/LOG:** Press this button to turn on the flame effect.
3. **750W Button:** Press this button and the fireplace will work at 750W. Pressing again will switch it off.
4. **1500W Button:** Press this button and the fireplacem will work at 1500W. Pressing again will switch it off.

SERVICE INSTRUCTIONS



WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of fire, electrical shock or personal injury.



WARNING: Do not exceed 40 Watts per light bulb. Use of a higher rated bulb may result in a fire causing property damage and personal injury.

REPLACING LIGHT BULBS

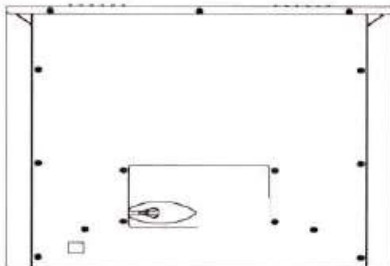
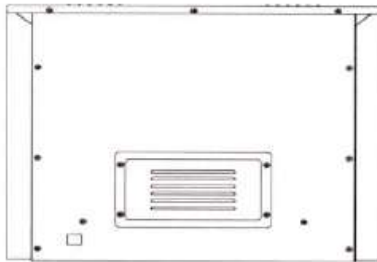
There is one (1) 40W Type B-10 light bulb located under the logset bed. Remove the twelve (12) screws on the cover located on the back of the fireplace and then remove the rear cover of the unit.



CAUTION: The bulb in your unit can become extremely hot. Allow at least 15 minutes between turning off the unit and removing the light bulb to avoid hot bulb coming in contact with the skin.

To remove bulbs: Hold socket and pull the old bulbs out.

To replace bulbs: Hold socket and push in the new bulbs.



MAINTENANCE OF MOTORS

The motors used on both blower fan and flame simulator assembly are prelubricated for the extended warranty of the motor, no further lubrication is required. However, periodic cleaning/vacuuming of the fan/heater unit is recommended.

CAUTION: Even though the glass is safety glass it may break if bumped, struck or dropped. Care must be taken when handling the glass.

GLASS INFORMATION

1. Under no circumstances should this product be operated with missing or broken glass.
2. Do not strike or slam the glass.
3. Do not use abrasive cleaners to clean the glass.



CAUTION: Wait until the unit has completely cooled before attempting any cleaning.

CLEANING

To clean the unit, first turn off controls on unit and unplug unit from power source.

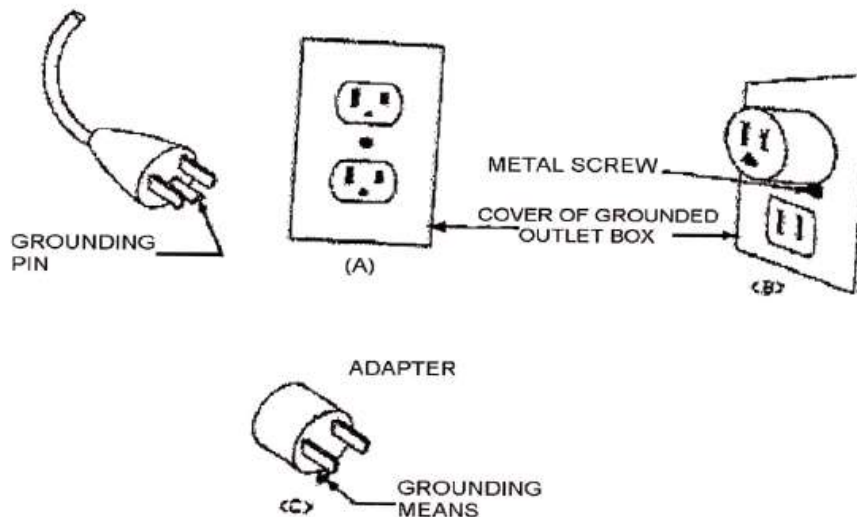
To clean the glass door: remove dust with clean dry cloth or to remove finger prints and other marks clean glass with clean damp cloth. Do not use abrasive cleaners or spray liquids on glass door surfaces.

Metal and metal painted parts should be cleaned with clean damp cloth only. Do not use abrasive cleaners or spray liquids on this

INSTRUCTIONS FOR POWER

This heater is for use on 120 volts only. The cord has a plug as shown at (A) in the following figure. An adapter as shown at (C) is available for connecting three-blade grounding-type plugs to two-slot receptacles. The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. The adapter should not be used if a three-slot grounded receptacle is available.

WARNING: Before servicing this heater be sure to unplug heater from wall outlet. Do not only turn off heater from the main "ON/OFF" switch, be sure to unplug this heater.



(Adaptor **NOT** permitted in Canada)
Under C22.2 NO. 0 standard

SPECIFICATIONS:

Model: EF6521R

Voltage: 120V/60Hz

Total Amps: 11.3 Amps

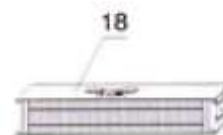
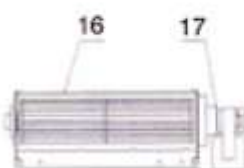
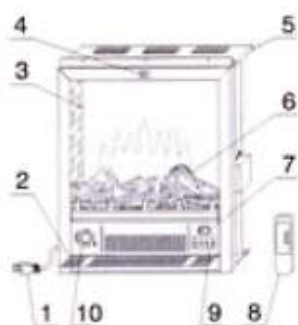
Total Watts: 1500W

Heating Ratings: 1400W (+5%, -10%)

Dimensions, Inches (H x W x D):

Carton: 25.98X51.18X18.11

REPLACEMENT PARTS LIST



| <u>ITEM</u> | <u>DESCRIPTION</u> | <u>OEM</u> |
|--------------------|---------------------------|-------------------|
| 1 | Power Cord/plug | NDF-68NR/94 |
| 2 | Front Louver | NDF-68NR/04 |
| 3 | PVC Screen | NDF-68NR/28 |
| 4 | Remote Receiver | NDF=68NR/11 |
| 5 | Firebox Cabinet | NDF-68NR/92R |
| 6 | Log Set | NDF-68NR/25 |
| 7 | Rocker Switch | NDF-68NR/31 |
| 8 | Remote Handset | NDF-68NR/85R |
| 9 | Touch Switches | NDF-68NR/70R |
| 10 | Knob | NDF-68NR/79 |
| 11 | Flame Generator Motor | NDF-68NR/55 |
| 12 | Flame Reflector | NDF-68NR/41 |
| 13 | Bulb | NDF-68NR/32 |
| 14 | PCB Board | NDF-68NR/90R |
| 15 | Thermostat | NDF-68NR/81 |
| 16 | Blower | NDF-68NR/18 |
| 17 | Heater Assembly | NDF-68NR/65 |