



WARNING

WARNING — THE INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.

1. DO NOT open any panels
2. NEVER immerse in water or spray with water
3. Turn OFF the appliance completely and let cool before servicing
4. Only a qualified service person should service and repair this electric fireplace

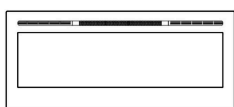
Application Notice

- NEVER leave this fireplace unattended
- Connect to properly grounded outlets only
- ALWAYS unplug the fireplace when not in use
- This fireplace is hot when in use. To avoid burns, DO NOT let bare skin touch hot surfaces. If provided, use handles when moving this fireplace
- Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3ft (0.9m) away from the front of the fireplace, and keep away from the sides and rear
- Extreme caution is necessary when any fireplace is used by or near children or invalids and whenever the fireplace is left operating and unattended
- DO NOT operate any fireplace with a damaged cord or plug or after the fireplace malfunctions, has been dropped or damaged in any manner. Discard the fireplace, or return to authorized service facility for examination and/or repair
- DO NOT run power cord under carpeting. DO NOT cover power cord with throw rugs, runners, or similar coverings. DO NOT route power cord under furniture or appliances. Arrange power cord where it will not be tripped over
- DO NOT insert or allow foreign objects to enter any ventilation or exhaust openings, as this may cause electric shock or fire, or damage to the fireplace
- To prevent a possible fire, DO NOT block air intakes or exhaust in any manner. Doing so could cause a fire. DO NOT use on soft surface, like a bed, where openings may become blocked
- This fireplace is not intended to be a primary heat source. It is for supplemental heat only. INDOOR use only — NEVER use this fireplace outdoors
- ALWAYS disconnect this unit from the power supply before performing any assembly or cleaning, or before relocating the electric fireplace
- ALWAYS check your fireplace cord and plug connections with each use:
 - 1) Make sure the plug fits tight in the outlet. Faulty wall outlet connections or loose plugs can cause the outlet to overheat
 - 2) Fireplaces draw more current than small appliances. Overheating may occur even if it has not occurred with the use of other appliances
 - 3) If the outlet or face plate is hot, discontinue use immediately and have a qualified electrician inspect and/or replace the faulty outlets
- Check the parts list to make sure nothing is missing. Dispose of packaging materials properly. Please recycle whenever possible
- Tools required (not included) are: Phillips screwdriver, stud finder, level; tape measure, electric drill; 1/4" wood drill bit, and a hammer
- A fireplace has hot and arcing or sparking parts inside. DO NOT use it in areas where gasoline, paint, or flammable liquids are used or stored
- Use this fireplace only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons
- ALWAYS plug heaters directly into a wall outlet/receptacle. NEVER use with an extension cord or relocatable power tap (outlet / power strip)
- DO NOT place the fireplace near a bed because objects such as pillows or blankets can fall off the bed and be ignited by the fireplace
- NEVER use this fireplace in bathrooms, laundry rooms, or any other location where the fireplace could fall into a bathtub or pool, become damp, or come in contact with water
- Avoid fire — regularly inspect all air vents to make sure they are free from dust, lint or other blockage. Unplug the unit and clean with a vacuum only. DO NOT rinse or get it wet
- ALWAYS mount to wall bracket before use. DO NOT set on the floor, or other surface, to use. NEVER use a wall mount bracket from another manufacturer
- Risk of electric shock — DO NOT open. No user-serviceable parts inside
- ALWAYS turn the fireplace off before unplugging it from the outlet
- ALWAYS store this fireplace in a dry location. NEVER use this fireplace if it has become wet. NEVER plug this fireplace into an outlet that is old, cracked, or has any loose wires or connections. Plugging this fireplace into a faulty outlet could result in electric arcing within the outlet that could cause the outlet to overheat or catch fire
- The power cord supplied with the fireplace has three prongs: two flat blades (LIVE and NEUTRAL) and one round pin (GROUND). If a 3-slot receptacle is not available, an adapter MUST be used. The adapter MUST be PROPERLY GROUNDED to the outlet box (see Fig. A). Adapter is not included.
- This product includes a GLASS panel. Always use extreme caution when handling glass. Failure to do so could result in personal injury or property damage. Remove all parts and hardware from the carton and place them on a clean soft dry surface. Parts and assembly steps are grouped for wall-hanging or recessing use.

CAUTION

PLEASE READ INSTRUCTION BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCES. Electrical products can cause death or injury, or damage to property. If in any doubt about the installation or use of this product, consult a competent electrician.

PARTS & HARDWARE



Fireplace



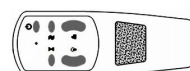
Wood Screw



Wood Screw



Drywall anchors



Remote Control



Remote Control



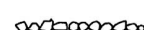
Drywall anchors



Wall bracket



Decorative pebbles



Decorative crystals



Log set



Plastic tray

MODEL LEDFP-40

INSTALLATION & ASSEMBLY

Minimum Clearance to Combustibles

Measurements are taken from the glass front.			
Bottom	0"	Top	8" (300mm) to mantel
Sides	0"	Top	8" (300mm) to ceiling
Back	0"		

Recessed to Wall Installation

1. Select a dry wall to open a hole for fireplace box.
For the size of hole, refer to the FRAMING HOLE SIZE table below:
2. Fix the three wall anchors in each side of the fireplace box according to the dimensions shown in Fig. B on the right
3. Take off the two screws in both sides of the glass panel (see Fig. C)
4. Have two people take the glass panel out of the fireplace box. Place it to a soft clean place (also see Fig. D on the right)
5. Have two people move the fireplace box to the wall hole
6. Installation complete (see Fig. G)

If the appliance is fully recessed into the wall:

- Use the 6 screws (provided) to lock the appliance into the wall with the existing two side flanges (also see Fig. E)
- Install the media and re-install the glass front

If partial recess into the wall:

- Use the four mounting brackets (supplied) to lock the appliance to the wall (see Fig. F)
- Using the existing holes on sides of the appliance for recessing into wall

Minimum Mantel Clearances

WARNING:

When using paint or Lacquer to finish the mantel, the paint or lacquer must be heat resistant to prevent discolouration.

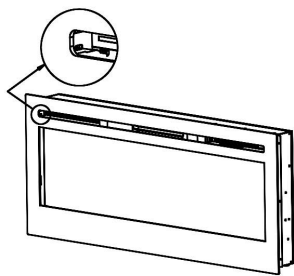
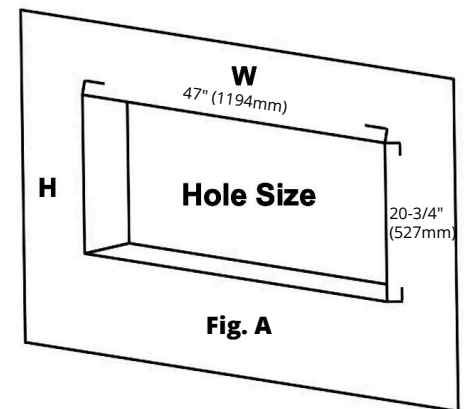
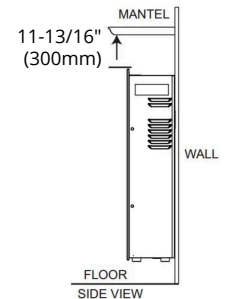


Fig. C

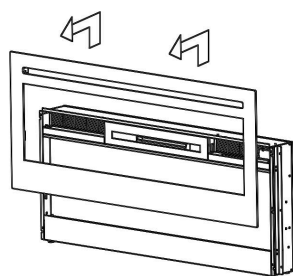


Fig. D

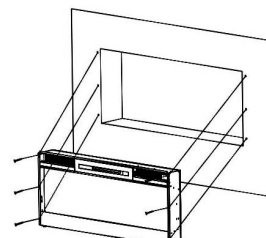


Fig. E

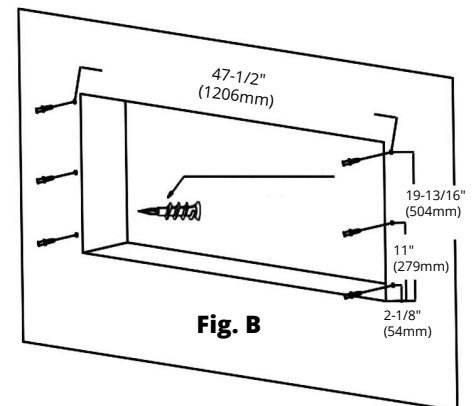


Fig. B

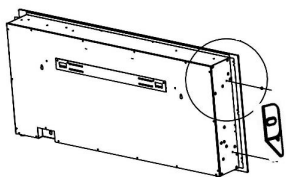


Fig. F

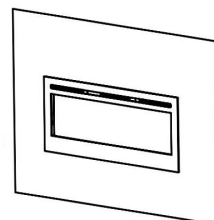
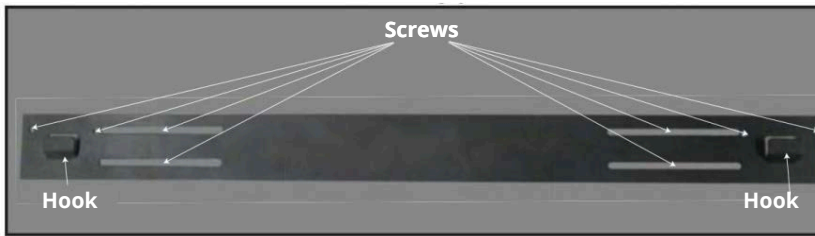


Fig. G

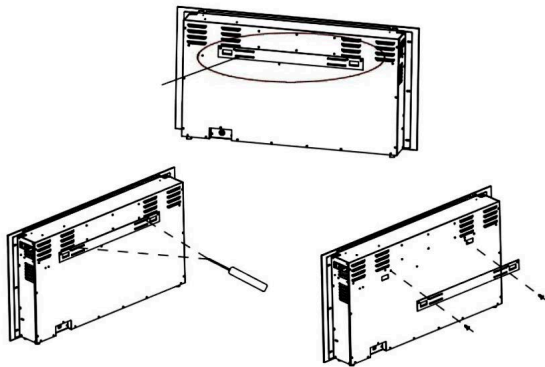
Framing Hole Size		
Model Number	W	H
LEDFP-40/40W	33" (83.82CM)	20.75" (52.71CM)
LEDFP-50/50W	47" (119.38CM)	20.75" (52.71CM)
LEDFP-60/60W	47" (119.38CM)	20.75" (52.71CM)
LEDFP-72/72W	69" (175.26CM)	20.75" (52.71CM)

INSTALLATION & ASSEMBLY

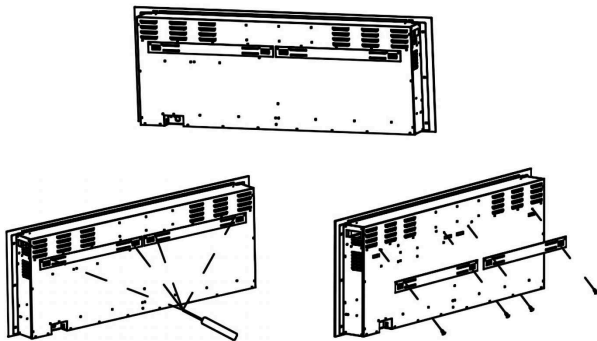
Wall Mounted Installation



**LEDFP-40/50/60
Wall Bracket
Illustration**



**LEDFP-72
Wall Bracket
Illustration**



Due to the many different materials used on different walls, it is highly recommended that you consult your local builder before you install this appliance on the wall.

1. Select a location that is not prone to moisture and is located at least 36" (914mm) away from combustible materials such as curtain drapes, furniture, bedding, paper, etc.
2. Have two people hold the appliance against the wall to determine the final location
3. Place unit face down on a soft, non-abrasive surface. Remove the bracket from the back of the unit by removing the screws
4. Mark out location, then mount the bracket(s) onto the wall using the supplied screws. This bracket **MUST** have the hooks facing upward and be level. It is strongly recommended that the mounting bracket be screwed into the wall studs where possible. If the wall studs cannot be used, ensure that the supplied plastic anchors to affix the bracket to the wall and the bracket is adequately secured
5. With the wall mounting bracket installed, have two people lift the appliance up and insert the two hooks
6. Check the appliance for stability ensuring that the bracket will not pull free from the wall

Cover Plate



Fig. 1

Hard Wiring Installation

Hard Wiring Connection

If it is necessary to hard wire this appliance, a qualified electrician **MUST** remove the cord connection, and wire the appliance directly to the house hold wiring.

This appliance **MUST** be electrically connected and grounded in accordance with local codes. If hard wired, in the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the current ANSI/NFPA 70 NATIONAL ELECTRICAL CODE in the United States.



Fig. 2

MODEL LEDFP-40

INSTALLATION & ASSEMBLY

Hard Wiring Installation

Hard Wiring Connection (Cont'd)

1. Remove the cover plate from the right side bottom of the appliance by removing the three screws
2. Remove the wire connectors from the power cord. The power cord may be discarded
3. Take the new cover plate, supplied in the hardware bag. Punch out the 7/8" (22mm) hole and install a box connector through, into the junction box. Snap the box connector clamp onto the supply wires
4. Using the wire connectors, connect the ground green wires (G), the common white wires (N) together, then the hot black wires (L) and then refer to Fig. 3
5. Reinstall the cover plate using the three screws, as shown in Fig. 1 from the previous page

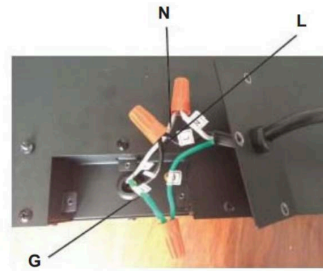


Fig. 3

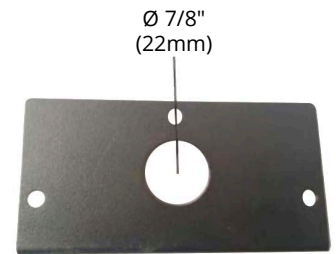


Fig. 4

Log set / Crystal / Pebble Ember Installation

Installation depends on the embers you bought or selected.

1. Glass front must be removed and the appliance must be mounted in its final location before the log set / crystal / pebble embers are installed
2. If your fireplace come with log set, remove the log set from the package, put it to the fireplace designed place (also see Fig. 5)
3. If your fireplace come with CLEAN CRYSTAL or PEBBLE MEDIA: Crystal or pebbles media may have a fine oil residue that needs to be cleaned prior to installation. Clean them with mild dish soap, drain, rinse thoroughly and dry before placing into the tray
4. Place the plastic tray (I) to the fireplace designed place. Then carefully place crystal or pebbles embers into the bottom tray on the front of the appliance as illustrated. Apply an even layer from side to side (see Fig. 6 and 7)

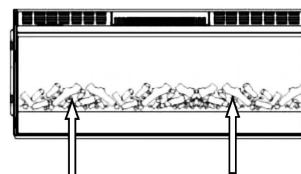


Fig. 5

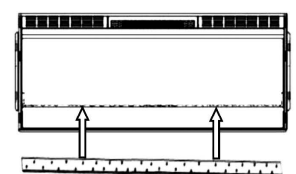


Fig. 6

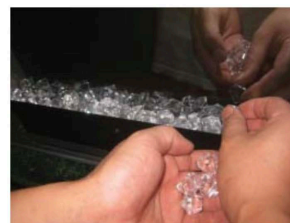


Fig. 7



Fig. 8

OPERATION

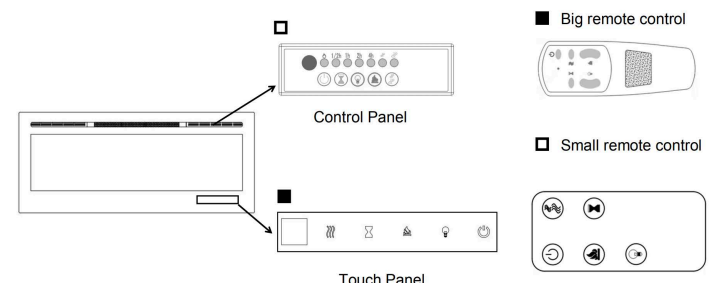
Power

Plug the power cord into a 110-120V 15A grounded outlet (also see WARNING and Application Notice on page 1 of this manual). Make sure the outlet is in good condition and that the plug is not loose. NEVER exceed the maximum amperage for the circuit. DO NOT plug other appliances into the same circuit.






Methods of Operation

This electric fireplace can be operated by the CONTROL PANEL, located on the UP right side glass panel slot of the fireplace, or by the battery-powered REMOTE CONTROL. The operation and functions of the two methods are the same.

Before operating, please review the WARNING and Application Notice on page 1 of this manual and heed all warnings.



CONTROL PANEL / TOUCH PANEL / REMOTE CONTROL OPERATION

BUTTON	FUNCTION	ACTION & INDICATION
 POWER	ON: Enables control panel functions and remote control. Turns on flame effect. OFF: Disables control panel functions and remote control. Turns off flame effect.	1. Press once. Indicator light turns on. Power turns on. All functions enabled. 2. Press again. Flame effect turns off. Unit goes to standby. All functions turn off.
 TIMER	TIMER button: Controls timer settings to turn off fireplace at selected time. Settings range from 0.5 hours to 7.5 hours.	1. Press once. Indicator light turns on. Timer is set to 0.5 hours. 2. Press again until desired setting is reached. Indicator lights show setting.
 FLAME	FLAME button: Makes flame effect dimmer and brighter. NOTE: Flame effect stays on until power button is turned off. Flame effect must be on for heater to turn on.	1. Press once. Flame brightness effect gets changing. 2. Press again. until desired setting is reached.
 COLOR	COLOR button: Makes the color flame effect changing. NOTE: color effect stays on until power button is turned off. Color flame effect must be on for heater to turn on. NOTE: this fireplace is with memory function for flame.	1. Press once. Flame color effect gets changing. 2. Press again until desired setting is reached.
 HEATER	HEATER button: Turns heater on and off. NOTE: The heater only works when the flame effect is on. If the flame effect is off, the heater will not turn on. NOTE: To prevent overheating, the heater fan will blow cool air for 8-10 seconds before the heater turns on, and after the heater turns off.	1. Press once. Indicator lights up. Fan blows cool air for 10 seconds. 750W heater turns on and blows warm air. 2. Press again. Indicator lights up. 1500W heater turns on and blows hot air. 3. Press again. Heaters turn off. The fan blows cool air for 10 seconds to allow heater to cool down, then turns off.

Important Reminder:

- When the heater is first turned on, a slight odor may be present. This is normal and should not occur again unless the heater is not used for a long period of time
- To improve operation, aim the remote control at the front of the fireplace. DO NOT press the buttons too quickly. Give the unit time to respond to each command
- NEVER dispose of batteries in fire. Failure to observe this precaution may result in an explosion. Dispose of batteries at your local hazardous material processing centre

Remote Control Battery Information:

- Small remote control uses one CR2025 battery (included)
- Big remote control uses two AAA batteries (not included)
- Remote control battery used depends on the remote control type which selected above

Temperature Limiting Control

This fireplace is equipped with a temperature limiting control. Should the fireplace reach an unsafe temperature, the fireplace will automatically turn OFF. To reset:

- Unplug the power cord from the outlet
- Turn the ON/OFF switch on the control panel to OFF. Wait 5 mins
- Inspect the fireplace to make sure no vents are blocked, or clogged with dust or lint. If they are, use a vacuum to clean the vent areas
- With the power switch in the OFF position, plug the power cord back into the outlet
- If the problem continues, have your outlet and wiring inspected by a professional

Cleaning

Always turn the fireplace OFF and unplug the power cord from the outlet before cleaning, performing maintenance, or moving this fireplace. Failure to do so could result in electric shock, fire, or personal injury.

NEVER immerse in water or spray with water.

Doing so could result in electric shock, fire, or personal injury.

Metal:

- Buff using a soft cloth, slightly dampened with a citrus oil-based product
- DO NOT use brass polish or household cleaners as these products will damage the metal trim

Glass:

- Use a good quality glass cleaner sprayed onto the cloth or towel. Dry thoroughly with a paper towel or lint-free cloth
- NEVER use abrasive cleaners, liquid sprays, or any cleaner that could scratch the surface

Vents:

- Use a vacuum or duster to remove dust and dirt from the fireplace and vent areas

Plastic:

- Wipe gently with a slightly damp cloth and a mild solution of dish soap and warm water
- NEVER use abrasive cleaners, liquid sprays, or any cleaner that could scratch the surface

MAINTENANCE

Risk of electric shock — DO NOT open any panels.
No user-serviceable parts inside.

Always turn the fireplace OFF and unplug the power cord from the outlet before cleaning, performing maintenance, or moving this fireplace. Failure to do so could result in electric shock, fire, or personal injury.

Electrical and Moving Parts:

- The fan motors are lubricated at the factory and will not require lubrication
- Electrical components are integrated in the fireplace and are not serviceable by the consumer

Storage:

- Store the fireplace in a clean dry place when not in use

No servicing of the internal or electrical parts should be performed by the consumer.
DO NOT service the unit yourself.

TROUBLESHOOTING

Problem	Possible Cause	Solution
<ul style="list-style-type: none"> • Fireplace turns off and will not turn on 	<ul style="list-style-type: none"> • Fireplace has overheated and safety device has caused thermal switch to disconnect or home circuit breaker has opened 	<ul style="list-style-type: none"> • Reset switch by turning main power switch off and waiting 10 minutes then turning it back on or reset circuit breaker
<ul style="list-style-type: none"> • Flame is not moving 	<ul style="list-style-type: none"> • Loose wiring • Flame motor defective • Flame rod out of place 	<ul style="list-style-type: none"> • Inspect wiring for loose connections • Call a qualified service technician to replace flame motor • "Flame Rod" out of place due to rough transit / handling of the product. This issue can be corrected as simple as removing the glass, flipping the fireplace upside down, removing a set of screws that are holding the bottom frame plate and placing the flame rod back into place
<ul style="list-style-type: none"> • Flame is not visible 	<ul style="list-style-type: none"> • Wiring is loose 	<ul style="list-style-type: none"> • Disconnect from power source and inspect wiring for loose connections and repair or replace if necessary • Push the flame button to high
<ul style="list-style-type: none"> • Log set and/or is not glowing 	<ul style="list-style-type: none"> • Wiring is loose • Ember is in off mode 	<ul style="list-style-type: none"> • Disconnect from power source and inspect wiring for loose connections and repair or replace if necessary • Push the ember button to high
<ul style="list-style-type: none"> • Remote control does not work 	<ul style="list-style-type: none"> • Low batteries • Not aiming control correctly • Defective remote control and/or sensor 	<ul style="list-style-type: none"> • Replace batteries in the remote control • Aim control at sensor located directly behind glass screen in the centre of unit just above logs • Replace remote control and/or sensor
<ul style="list-style-type: none"> • Remote control does not work 	<ul style="list-style-type: none"> • Low batteries • Not aiming control correctly • Defective remote control and/or sensor 	<ul style="list-style-type: none"> • Replace batteries in the remote control • Aim control at sensor located directly behind glass screen in the centre of unit just above logs • Replace remote control and/or sensor
<ul style="list-style-type: none"> • Fireplace will not come on when switch is flipped to ON 	<ul style="list-style-type: none"> • Fireplace is not plugged in to an electrical outlet • Control failure • Breaker tripped 	<ul style="list-style-type: none"> • Check plug • Call a qualified service technician • Reset breaker

TROUBLESHOOTING

Problem	Possible Cause	Solution
<ul style="list-style-type: none">Fireplace does not provide heat when turned on	<ul style="list-style-type: none">Thermal switch has been trippedWiring is looseFireplace is defected	<ul style="list-style-type: none">Turn unit off and unplug unit for 10 minutes. Plug back in and turn unit on. If plug cannot be reached, follow directions for tripped circuit breakerDisconnect from power source and inspect wiring for loose connections and repair or replace if necessaryReplace the fireplace
<ul style="list-style-type: none">Touch panel / remote control do not work	<ul style="list-style-type: none">The front glass is moved or not secured properly	<ul style="list-style-type: none">Unplug the appliance. If the appliance is recessed to the wall, shut off house circuit breaker. Ensure the front glass is in the correct location and is sitting flat to the appliance touch panel. After 15 seconds, plug or turn on the appliance to reset it

Important Reminder

To remove the glass, you will notice two screws on front both sides (right and left) of the fireplace. Once the screws are removed, slide the glass up and away from the fireplace. When the bottom frame plate is removed, you will notice one flame motor on right side where the rod should be in place with the rubber plugs.

Please remember to always have the unit disconnected prior to any work, always lay glass as well as the unit on a towel or other material not to damage parts / frame.

This entire process should take no more than 20-30 minutes.

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.