

# Owner's Manual

## Residential Factory Built Fireplace

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*Operation • Maintenance • Installation*

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### ***THE ORACLE***



Keep these instructions for future use.



Dear Customer:

The ORACLE fireplace incorporates technology with elegance to give you a beautiful view of the fire without compromising on heating efficiency or environmental quality.

We have designed your new ORACLE to be easy to install, operate and maintain. It is in your best interest to become familiar with it. Study your manual to be sure the installation is correct, then follow the guide for operation and maintenance.

We at RSF Woodburning Fireplaces, congratulate you on your choice of the ORACLE and are confident that you have purchased a fireplace that is simply, the best in its class.

Sincerely,  
RSF Woodburning Fireplace TEAM  
November 2002

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## SAFETY FIRST

### DO'S AND DON'TS

***If this fireplace is not properly installed, a house fire may result. For your safety, follow the installation directions. Contact local building or fire officials about restrictions and installation requirements in your area.***

**NOTE:** We strongly recommend installers to be WETT certified in Canada, and NFI in USA.

To ANYONE using this fireplace:

These DO's and DO NOT's are for your safety.

1. DO read this instruction manual before lighting your first fire.
2. DO burn seasoned wood fuel or processed solid fuel firelogs.
3. To avoid glass breakage, DO NOT slam the fireplace door.
4. DO NOT use gasoline, type lantern fuel, kerosene, charcoal lighter fluid or similar liquids to start or freshen up a fire in this fireplace. Keep all such liquids well away from the fireplace while it is in use.
5. **DO NOT overfire the fireplace. If the chimney connector behind the top louver glows red, or if you are unable to slow down the burning rate of the fire, you are probably overfiring the fireplace.**
6. DO keep all combustible materials (furniture, shoes etc.) at least 4 feet away from the front of the fireplace.
7. DO NOT use a fireplace insert or other products not specified for use with this fireplace.

### CREOSOTE: Formation and removal

When wood is burned slowly, it produces tar and other organic vapours, which combine with expelled moisture to form creosote. The creosote vapours condense in the relatively cool chimney flue of a slow burning fire. As a result, creosote residue accumulates in the flue lining. When ignited, this creosote makes an extremely hot fire.

The chimney should be inspected periodically during the heating season to determine if a creosote build-up has occurred. If a significant layer of creosote has accumulated ( $\frac{1}{4}$ " or more), it should be removed to reduce the risk of chimney fire.

### WARNING: Burn dry wood only !

**DO NOT Burn:**

- driftwood
- coal
- garbage
- plastic
- treated wood

Do not use construction scraps (e.g., 2x4 or plywood scraps) **as your only supply of fuel, as this may overheat and seriously damage the fireplace.** Use no more than 3 densified fuel logs (e.g., Presto logs) at a time. Do not poke or stir the logs while they are burning. Use only firelogs that have been evaluated for fireplace use and refer to firelog warnings and caution markings prior to use.

## GENERAL SPECIFICATIONS

### CONTROLLING HEAT OUTPUT

The ORACLE fireplace is not only designed to provide warm radiant heat on two sides, but also to help heat your home. Although it does not come with a draft control you will find that you can control the intensity of the fire quite well by varying the size and placement of the logs.

For a cooler, lazy fire: load 2 to 3 large logs with the log sides facing you (not the ends), in the centre of the hearth, between the andirons.

For a warmer, brighter fire: load a number of smaller logs end to end (ends facing you) so that one end comes very close to the glass ( $\frac{1}{2}$  of the logs close to one glass door, the other  $\frac{1}{2}$  closer to the other glass door). The combustion air is near the glass and will create a more vigorous flame.

### GRAVITY VENT SYSTEM (option)

If there are areas in your home that you would like to heat either in an upper level or an adjacent room, the gravity vent system can provide this heat without the use of a blower. A gravity vent damper controls it. The handle is located between the top louvers of the fireplace. Simply turn the lever to adjust the air flow through the gravity vent ducting. As the hot air rises, it will be distributed through the insulated ducting to the outlet (See Options: The Gravity Vent System FDVO).

## OPERATION

### LIGHTING

Light a fire in the fireplace, starting with paper and kindling only. Then add 2" to 3" diameter pieces of wood. After the fire is established, close the doors to prevent overheating. Never use any flammable liquids. Once a coal bed is established, add standard cord wood.

**WARNING: Do not use a grate or elevate the fire.**

### THE FIRST FIRE

**Before the first fire, be absolutely sure to wipe off all fingerprints and debris from the gold plating.** The plating undergoes a sealing process during this first fire, and the acid from your finger prints will permanently etch the gold plating. You will experience a slow start-up during the first fire. The refractory bricks still contain moisture and take a good hot fire to get rid of the moisture. While there is moisture in the bricks, the bricks will be black with smoke deposits. When the moisture is gone, the bricks will become white. You may also experience a slight odour during the first few fires. This odour results from the curing paint and the burn-off the residual oils.

### REFUELLING

Fuel wood can be of any species. However, ensure that the wood is well seasoned and kept under cover. Sixteen to eighteen inch lengths work the best.

**The doors should be opened slowly, to keep smoke from spilling into your room. If you do have smoke spillage, check to see that all kitchen and bathroom fans have been shut off. They can cause a vacuum in the house, which pulls smoke out of the fireplace.**

### REFRACTORY BRICKS INSTALLATION

**Care should be taken when handling refractory bricks as they can be heavy. You may wish to handle them with the help of one or two other people.**

The refractories or refractory brick for the Oracle fireplace are placed in the fireplace at the factory. If, for any reason they should need to be replaced the following order should be observed. The baffle R4301 should be passed into the firebox with the holes towards the floor of the box. Supporting the baffle from the bottom and holding it as high as it will go while the side refractories R4303 and R4302 are put into position to hold the baffle into place. Place the bottom refractories R4304 (2X)

into the bottom of the firebox. Finishing refractories R4306 and R4305 should be placed in the same order as the diagram. These directions should be reversed in order to remove the refractory from the Oracle. (See Figure 1a.)

## MAINTENANCE

### CLEANING

The hi-heat paint and gold plating can be cleaned with a soft moist cloth. Use a mild detergent and water only to clean these surfaces. **Do not use abrasive cleaners!**

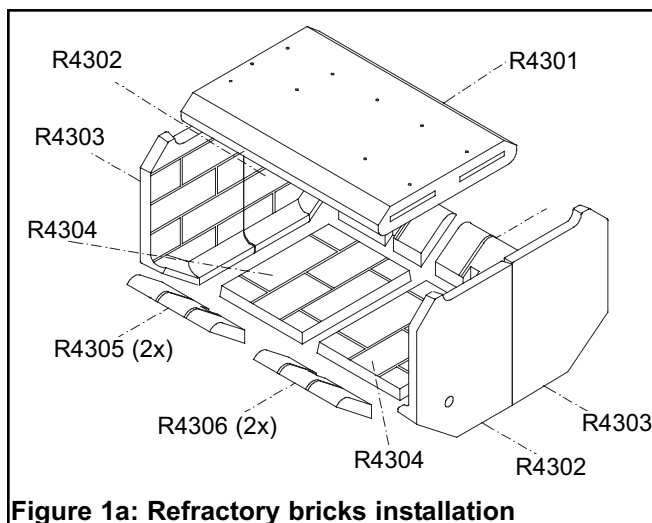
### ASHES

Clean the ashes out of the fireplace when they become too deep, i.e., before you have a spillage problem when opening the doors.

Ashes should be placed in a metal container with a tight-fitting lid. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

### DOORS

If a door does not close tightly, adjust the door closer. You can do this by loosening the nuts under the door closer pins. Turn the hinge pins with a slotted screwdriver until a light "click" is heard when closing the door. Note how the locations of the pins vary as you turn them. The hinges are adjustable, by loosening the bolts holding the hinges, and sliding the hinges backwards or forwards. After adjustment, tighten the bolts. Make sure the door is square with the face of the ORACLE, before tightening the hinge bolts. If the door seal is damaged



**Figure 1a: Refractory bricks installation**

to the point where it does not seal tightly, replace it. The gasket replacement kit, part FDGRK1 is available from your dealer.

If you want the ORACLE fireplace door to open from the opposite side, i.e. if the door presently opens right to left with the handle on the right, and you would like to reverse this operation, follow these instructions: (refer to Figure 1b).

1. Remove the top and bottom louvers by pulling the louvers down and out.
2. With the door still closed, remove the top hinge by removing the 2 nuts.
3. Carefully remove the door by opening the door latch and lifting the door off the bottom hinge.
4. Remove the bottom hinge and both closer pins. The closer pins are held with a nut underneath the flange.
5. Remove the closer hook by pushing out the split pins with a drift.
6. Reassemble with door upside down, making sure the closer hooks point away from the door.
7. Reassemble the hinges on the opposite side to where they were located.
8. Install the closer pins on the opposite side and adjust, so the door closer 'clicks' closed easily.

## GLASS

In the ORACLE, temperatures are not always high enough to keep the glass clean. We have supplied you

with special ceramic glass, which will withstand the heat from the fireplace without cracking. A good hot fire in the morning usually cleans most of the soot accumulated during the night. You can also purchase stove glass cleaner from your local speciality fireplace retailer. Remember the drier the wood, the cleaner the glass. Be careful not to hit the glass. Although heat will not break ceramic glass, a good blow can.

**NEVER** clean this glass with an abrasive cleaner. Use only a cleaner recommended by your dealer. Never clean the glass while it is hot. Do not operate the fireplace with the glass broken or removed.

## If your glass breaks:

See your dealer for the exact replacement glass. If the gasket is damaged it must be replaced with the identical kind (R7000). Place the gasket around the top and bottom edges of the glass (it is self-sticking).

1. Remove the door from the fireplace by removing the top hinges.
2. Remove the top clip holding the glass by loosening the screws on the back of the door.
3. After cleaning out any bits of glass and soot from the glass retainer, set the glass into door opening and add a drop of silicone sealer near each end to keep the glass from sliding out.
4. Replace the clip being careful not to overtighten the screws.

## GOLD PLATING

Your doors frames and optional gold louvers are plated with gold and they will not tarnish. However, they are not scratch resistant and require totally non-abrasive cleaning. **Use only mild soap and water to clean the gold when the surface is cool.** The use of any household cleaner such as Windex, abrasive cleaners, or any form of acid, will permanently etch the gold plating. Before every fire, be absolutely sure to wipe off all fingerprints and debris from the gold plating. Acid from your fingerprints may permanently etch the gold plating.

## CHIMNEY CLEANING

Check the chimney for creosote build-up every week until experience shows how often cleaning is necessary. A build-up of ¼ inch or more should be cleaned mechanically before more creosote accumulates. Use a 7 inch wire brush.

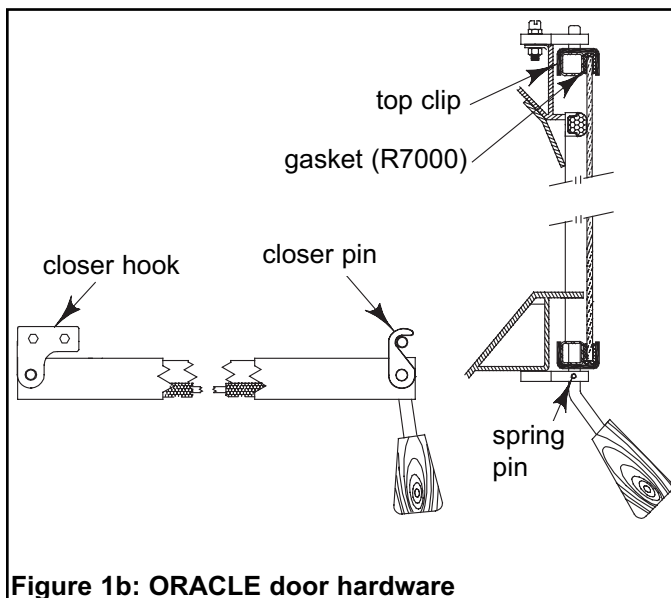


Figure 1b: ORACLE door hardware

## PAINT

You may touch up the face of the ORACLE with STOVE BRIGHT Flat Black high temperature paint. The correct paint is available from your dealer. When you paint the face of the fireplace, remove or cover the gold plated items and cover the surrounding area with newspaper. Follow the directions outlined on the spray can. **DO NOT** attempt to paint while the fireplace is hot. Keep the spray can away from any source of heat or open flame. Ensure that there is adequate ventilation in the room, from the time you start painting until the paint is dry.

## INSTALLATION

**NOTE:** We strongly recommend installers be WETT or WHERF certified.

Check local codes concerning installation requirements and restrictions in your area.

**WARNING: Remove the door and louvers before installation and place them in a safe area to reduce the risk of:**

1. Vandalism.
2. Sub-trade tool abrasion, chipping, or breaking of glass.
3. Gold finish damage because of muriatic acid, plaster, cement, paint and harmful sprays or liquids, and sub-trade tool abrasion.

## LOCATION

Your ORACLE fireplace may be installed without any special floor reinforcement.

**WARNING: If this fireplace is not properly installed, a house fire may result. For your safety, follow the installation directions and heed the minimum clearances.**

The enclosure walls can be framed using any suitable materials (2 x 4 studs, plywood, gypsum board, etc.). See Figure 3 for dimensions. Normally, framing will be set back to allow the sheeting to be flush with the front of the fireplace.

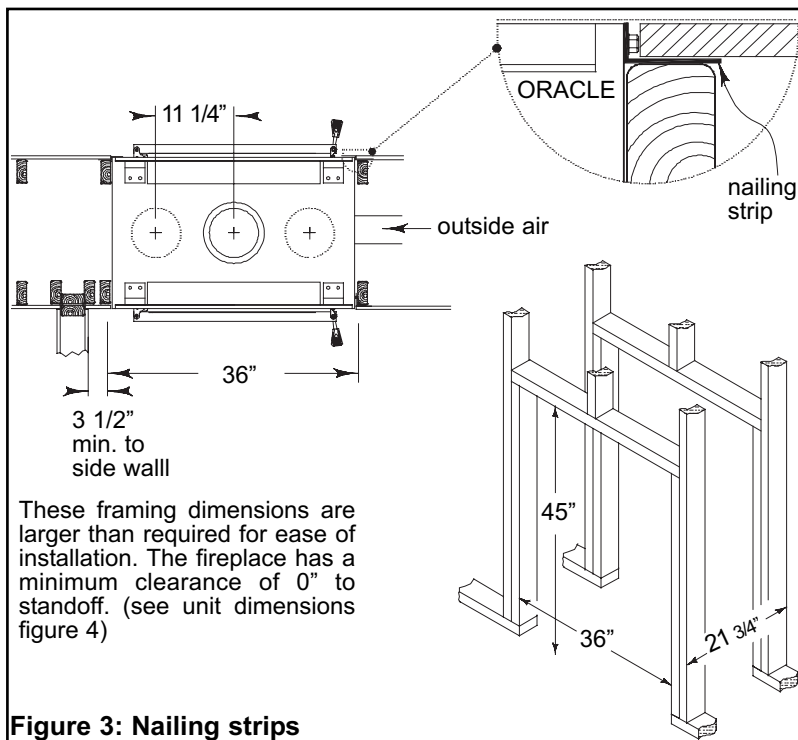


Figure 3: Nailing strips

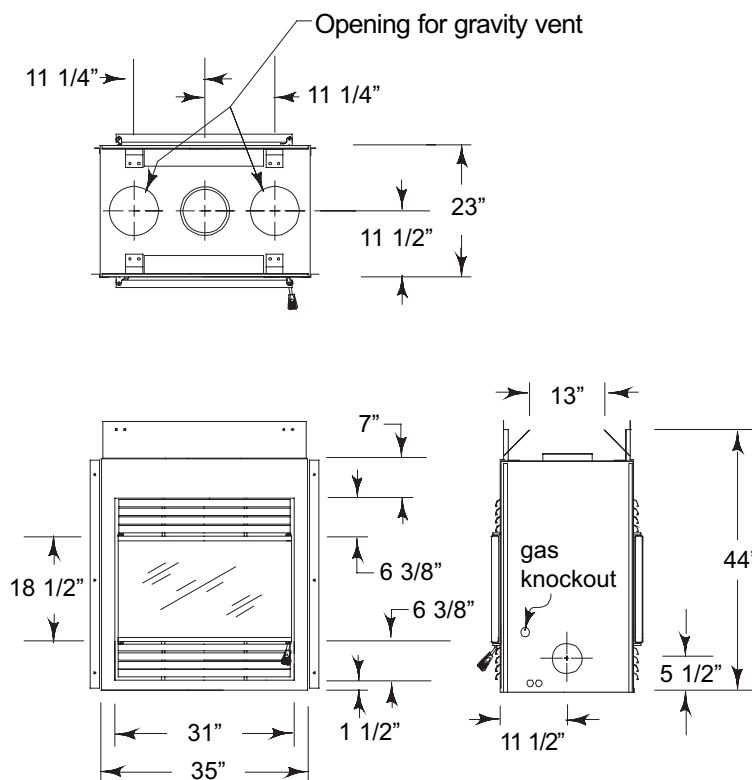


Figure 4: Unit dimensions

When framing in the header (directly above the fireplace), **DO NOT** bring any combustible material lower than the top of the stand-offs.

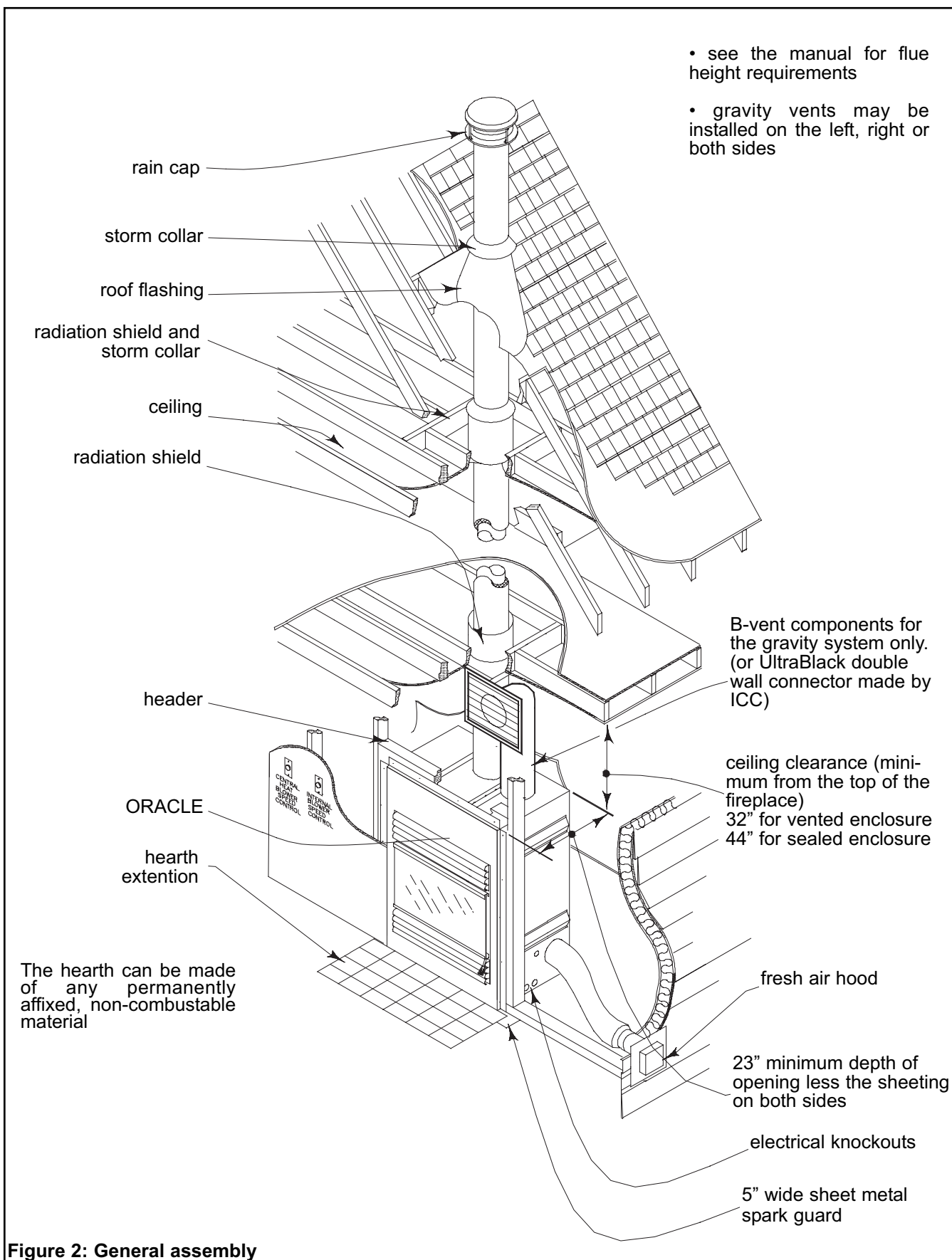


Figure 2: General assembly



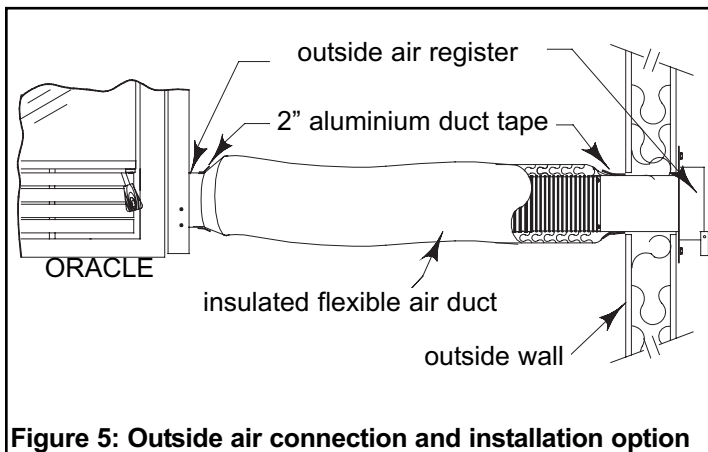
1. Note the location of floor and roof joists. Choose a location which does not require cutting the joists. Note the location of doors and windows in relation to the fireplace and chimney on all floors of the house.
2. Frame an area to fit the ORACLE. Follow the framing dimensions on Figure 4.
3. Prepare the unit for installation. Be sure that the top and side stand-offs are placed correctly for your particular installation. The holes in the side stand-offs have been elongated to allow easy alignment of the framing and the fireplace sides. The end of the L-shaped part of the standoff should be flush with the face of the fireplace so the fireplace does not appear recessed when the wall facing is put in place.
4. Push the ORACLE into the pre-framed area. Then hammer nails through all of the holes in the stand-offs to secure the fireplace in that position.

**WARNING: No insulation or other materials are allowed between the framing and the fireplace.**

### CEILING CLEARANCE

Ceiling Clearance is the distance from the top of the fireplace to the ceiling.

If the space between the top of the fireplace and the ceiling joists is less than 44 inches, the enclosure around the fireplace **MUST** be vented. Place a minimum 3" X 10" vent grille into holes cut within one foot of both the floor and ceiling levels, to allow room air to circulate through the fireplace enclosure and reduce heat build-up. These vent grilles may be placed vertically or horizontally. Under no circumstances is the distance between the first firestop and the top of the unit to be less than 32 inches (See Figure 2).



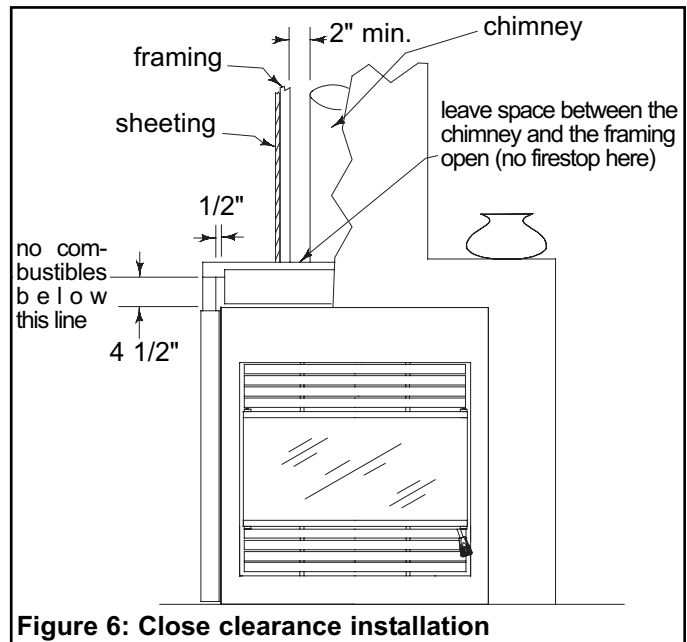
**Figure 5: Outside air connection and installation option**

### OUTSIDE AIR DUCT

After the fireplace is correctly positioned, connect the combustion air inlet to the outside (see Figure 5).

A 4 inch diameter duct can be used if the total run of the pipe is less than 25 feet. If the total run is longer than 25 feet, a 5 inch diameter pipe must be use.

1. Find a convenient location for the combustion air duct and register. The location of the register may be above or below floor level.



**Figure 6: Close clearance installation**

2. Make a 4 1/4" (5 1/4" if using a 5" diameter duct) hole in the outside wall of the house. Mount the register in the hole from the outside with the inlet facing down.
3. Place the insulated flexible duct over the register tube and outside air connector sleeve. At both ends, carefully pull back the insulation and plastic cover, exposing the flexible duct. Then at each end, attach the duct with metal screws to the inlet and tube. Carefully push the insulation and cover back over the duct. Tape the plastic cover in place with the 2" aluminum duct.

**CAUTION:** When running duct around corners, be sure to prevent crimping that would restrict the combustion airflow.

Use an insulated duct rated at over 200° F. Our testing has shown that as long as the 5" diameter insulated duct is utilized properly, there is no restriction on the length of the run. It is recommended that the duct does not exceed 12 ft. vertical height rise above



TABLE 1

### MINIMUM RECOMMENDED FLUE HEIGHTS IN FEET FROM THE TOP OF THE FIREPLACE

#### NUMBER OF ELBOWS

Elevation(ft)	0	2 x 15°	4 x 15°	2 x 30°	4 x 30°	2 x 45°	4 x 45°
0-1000	12'	13'	14'	15'	18'	16'	20'
1000-2000	12'6"	13'6"	14'6"	15'6"	19'	16'6"	20'
2000-3000	13'	14'	15'	16'	19'6"	17'	21'6"
3000-4000	13'6"	14'6"	15'6"	17'	20'	18'	22'6"
4000-5000	14'	15'	16'	17'6"	21'	18'6"	23'
5000-6000	14'6"	15'6"	17'	18'	21'6"	19'	24'
6000-7000	15'	16'	17'6"	18'6"	22'	20'	24'6"
7000-8000	15'6"	16'6"	18'	19'	23'	20'6"	25'6"
8000-9000	16'	17'	18'6"	20'	24'	21'	26'6"
9000-10000	16'6"	17'6"	19'	20'6"	24'6"	22'	27'

the base of the unit. The air inlet should never be less than 5 ft. below the top of the chimney flue and should not terminate in attic spaces.

installation. Figure 6 is just one example. When you build a close clearance installation, remember that there must be ½" along the sides of the fireplace, and 4 ½" on top of the fireplace. No combustibles should move within these boundaries.

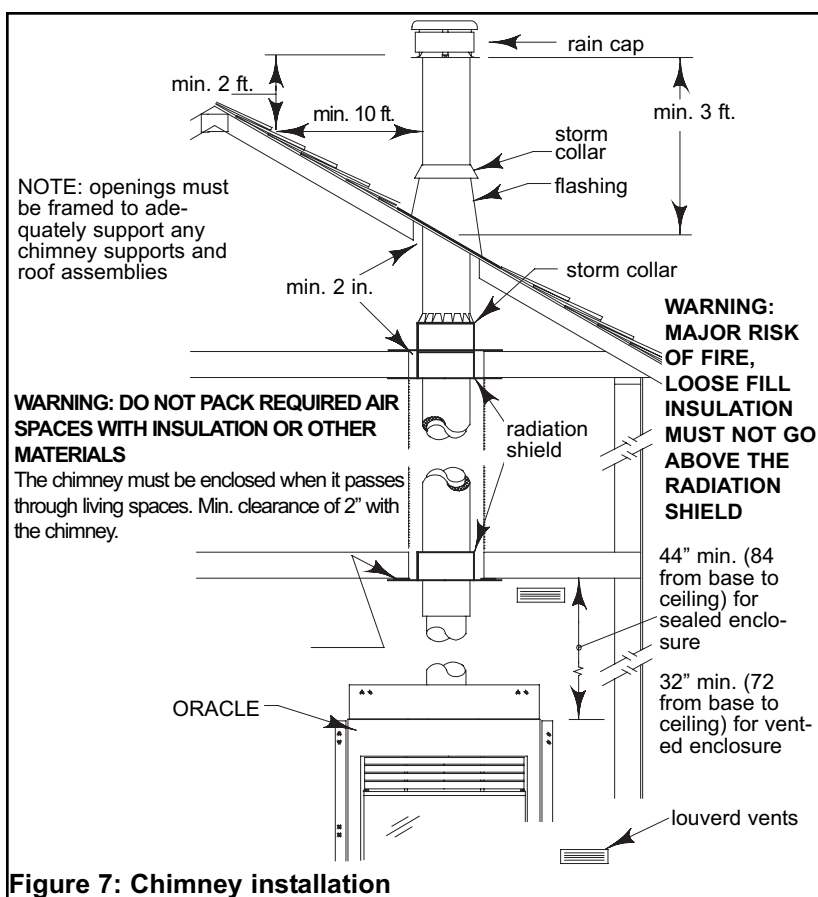


Figure 7: Chimney installation

#### CLOSE CLEARANCE

If you like, you can bring combustible framing down to the top of the stand-off. This allows many options for

#### CHIMNEY

This fireplace is certified for use with 8" ICC Model EXCEL chimney. The chimney system height from the top of the fireplace must be a minimum of 12 ft. and a maximum of 28 ft.

We recommend that the minimum height be increased by approximately 1 ft. for every 2000 ft. elevation above sea level. Every 30° or 45° elbow also increases the minimum height by 1 ft. For example, if you are living 6000 ft. above sea level, your chimney should terminate at least 15 ft. from the top of the fireplace (12 ft. + 3 ft. for the 6000 ft.). See Table #1 for more precise recommended flue heights.

#### CHIMNEY INSTALLATION

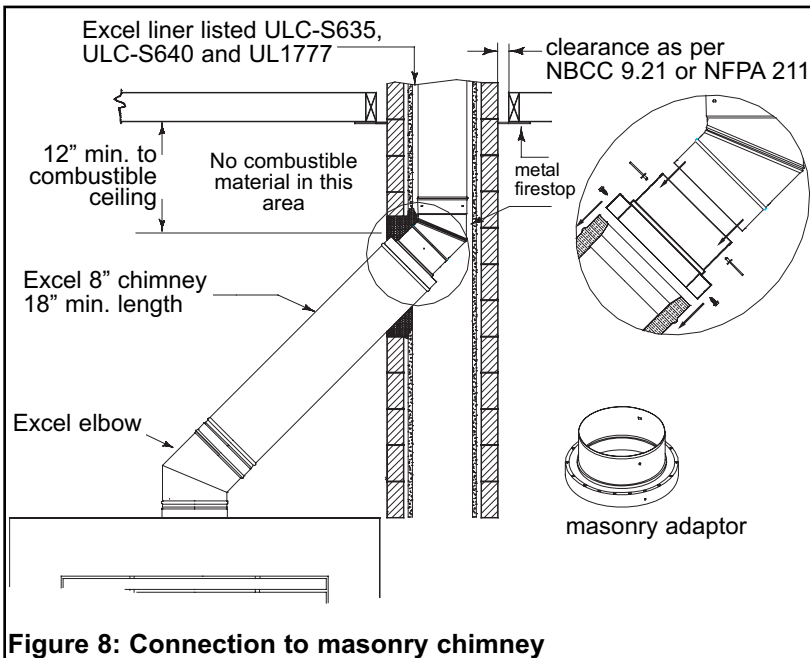
**NOTE :** The clearance between the chimney and combustible material must not be less than 2". **DO NOT fill this area with insulation.**

1. Cut and frame the required holes in the floor, ceiling and roof where the chimney will pass through. Use a plumb bob. The framing size is 14 ¼" square.

- From below, install a radiation shield in each floor though, which the chimney passes. At the attic level, install a radiation shield plus a storm collar (if required) as shown in Figure 7.
- Place the first chimney length on the fireplace. Secure the chimney length to the fireplace with the three screws provided. Continue installing chimney lengths until you reach the desired height.

The chimney must extend at least 3 ft. above its point of contact with the roof and at least 2 ft. higher than any wall, roof, or building within 10 ft. of it.

**NOTE:** If the chimney is higher than 5 ft. above the roof, it must be secured using a roof brace.



**Figure 8: Connection to masonry chimney**

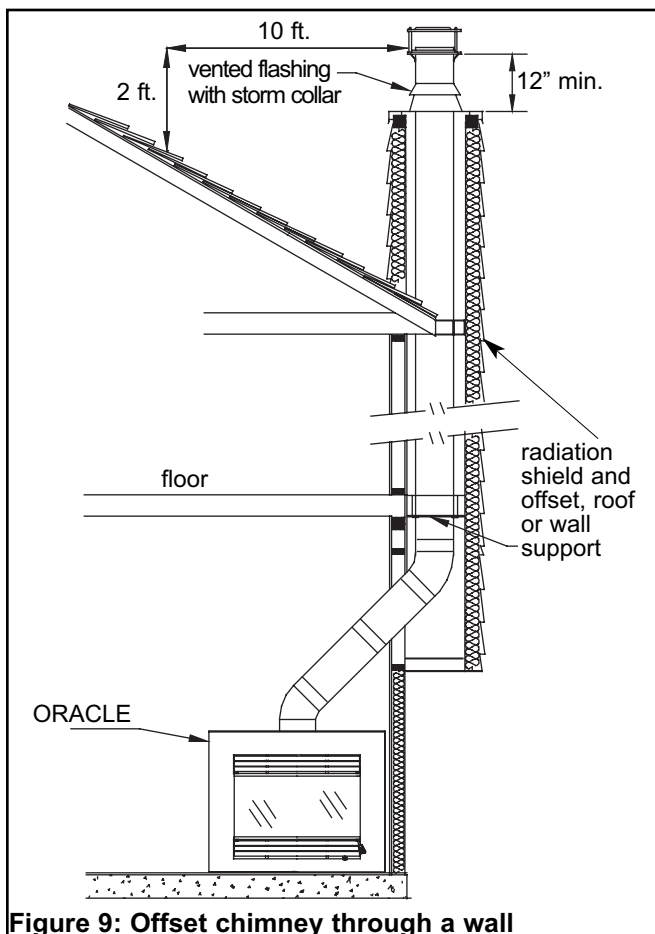
- Put the roof flashing into place. Seal the joint between the roof and the flashing with roofing tar. For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof using roofing nails.

- Place the storm collar over the chimney and flashing. Seal it around the chimney with silicone sealer (DO NOT use roofing tar).
- Fit the rain cap on the chimney. Secure it tightly in place.
- Wash the roof flashing with solvent (or vinegar if the flashing is galvanised), then paint it with exterior paint.
- Read and follow the **Excel** chimney installation manual concerning requirements for supports, bracing's, anchors, etc.

## MASONRY CHIMNEY

**WARNING :** When contemplating using an existing chimney, it must first be thoroughly inspected by an authority having jurisdiction to determine the following:

- It is a well constructed, lined masonry chimney, fully in accordance with Local Building Codes and the National Building Code of Canada (NBCC) 9.21 or NFPA 211
- It has been thoroughly cleaned of any soot or creosote residue and inspected to determine that it is in good condition.
- There is no attic insulation of any type in contact with the chimney and no insulation stuffed in around the chimney at any point, for any reason.



**Figure 9: Offset chimney through a wall**

4. There is, as per NBCC 9.21 or NFPA 211, the necessary air space clearance at all points around the chimney from floor to roof flashing. If the chimney is enclosed in drywall, openings will be required to verify clearances at all points.
5. Chimney will be used only for the fireplace and may not be used to vent a furnace, water heater or any other appliance.
6. If major repairs are required to meet the above conditions, a new chimney should be constructed.

#### New chimney installation:

To ensure adequate draft and to facilitate cleaning, the fireplace must be connected to the chimney using 8" diameter EXCEL chimney with an elbow. As shown in figure 8, an ICC or other listed 8" rigid stainless steel liner and a 45° stainless steel elbow are attached to the chimney and secured in place using a masonry adaptor. It is recommended that you position your fireplace before building the chimney. The factory built chimney sections can easily be installed as the layers of brick are being placed.

**NOTE :** *If the ceiling is high enough some vertical chimney can be installed before the 45° or 30° elbow is installed.*

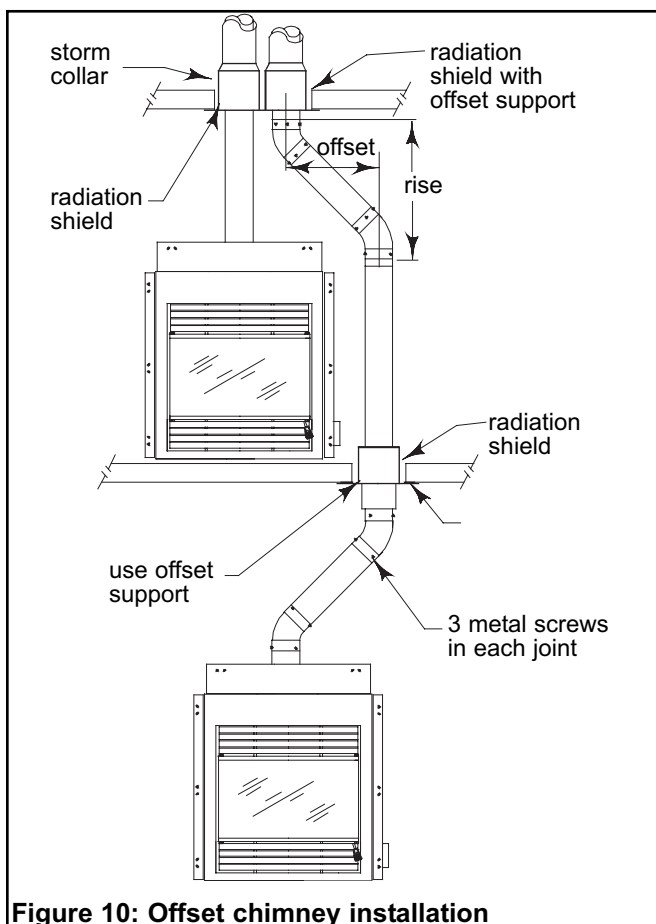


Figure 10: Offset chimney installation

#### Existing chimney installation:

If it is difficult to install rigid stainless on an existing chimney, a listed stainless steel flex liner can be used. Special care is to be taken when installing the flexible liner. A positive connection is assured with the masonry adaptor available from your dealer. The stainless steel flex liner connects to the masonry adaptor with a flexible/rigid adaptor (part LAF) and is secured with the 3 stainless steel rivets provided. The masonry adaptor is then secured to the **Excel** chimney with the 3 screws provided. The stainless steel liner fits inside the clay liner all the way to the top of the masonry chimney. It is not meant to replace the clay liner. After mortaring in place, the connection should not be visible. Care must be taken when cleaning to ensure that the stainless steel flex liner is not dislodged.

As depicted in Figure 8, the EXCEL chimney is to be a minimum of 18" from the connection point at the elbow to the masonry adaptor. The uppermost part of the EXCEL chimney where it enters the masonry chimney must be a minimum of 12 inches from the ceiling.

1. Sight-in and mark the outline of where the EXCEL chimney will penetrate the masonry chimney.
2. Using a large ( $\frac{3}{4}$ " - 2") masonry drill bit, drill a hole exactly in the center of the oval outline. With a masonry hammer and drill, slowly enlarge the hole to the size required. Remember to work from the center out. Be especially careful with the clay liner behind the brick because three sides of it must stay in place.
3. Bring the stainless steel liner down from the top of the chimney. If you are using a rigid liner you will need enough room to secure an elbow to it with at least two screws. For chimneys with less than 10" X 10" inside you may find it easier to install a flex liner and secure the end with a special adapter (Part # LAF) available from your dealer.
4. Move the fireplace forward enough to install the length of EXCEL chimney and then move the fireplace back into position as you connect the masonry adaptor to the factory built chimney.

#### CHASE ENCLOSURE

We strongly recommend that if the chimney runs up the outside of the house, it be enclosed in a chase structure. The chase should be constructed in such a way that it is an extension of the home, and is well insulated between the footings and the floor of the home, to prevent heat loss. Insulate the chase to the first firestop to prevent heat loss in mild climates. In cold climates, the

chase could be insulated to the top to keep the flue warmer and increase draft. It is best to locate a chase away from any overhead obstructions and meet all clearances from such objects (See Figure 9).

**NOTE :** *If the chase is enclosed or flashed to a roof as shown in Figure 9, then the flashing must be vented.*

If required by local codes, make certain that the walls have been properly insulated, vapour sealed and sheathed with a fire rated gypsum board (See Figure 9).

**REMEMBER :** *Check local codes concerning installation requirements and restrictions in your area.*

## RADIATION SHIELD

A radiation shield must be in place where the chimney passes through each floor level overhead. This will assist in retarding any spread of fire and act to contain the fire within the area below the fire-stop.

## OFFSET CHIMNEY

Maximum offset angle: 45°  
Maximum number of elbows: 4, resulting in two (2) offsets.

An elbow may be installed directly on top of the fireplace if required.

Use the offset option if you need to clear a joist or pass around a cupboard.

Install the fireplace and chimney as described earlier. When you require an elbow, proceed as follows:

*See the detailed offset chart in the EXCEL installation instructions.*

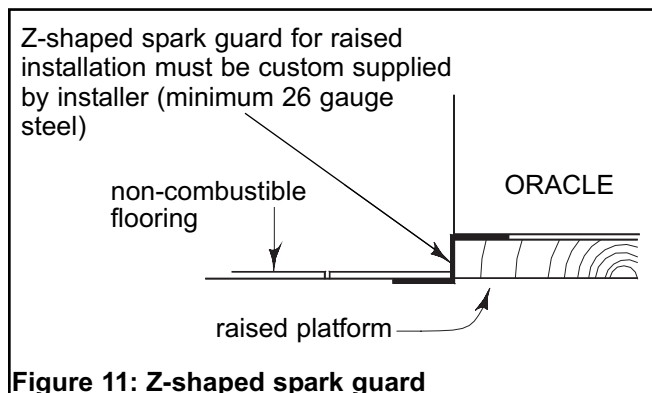
1. Install the required elbow. Turn it in the desired direction, and fasten it to the other section with the 3 metal screws provided at the joint.
2. Install the lengths required to obtain the desired offset. Secure each joint with 3 metal screws.
3. Use another elbow to return the chimney to the vertical direction.
4. Install a roof support, or an offset support at each offset to support the weight of the flue (elbows are not designed to support a flue above an offset).

## SEALING

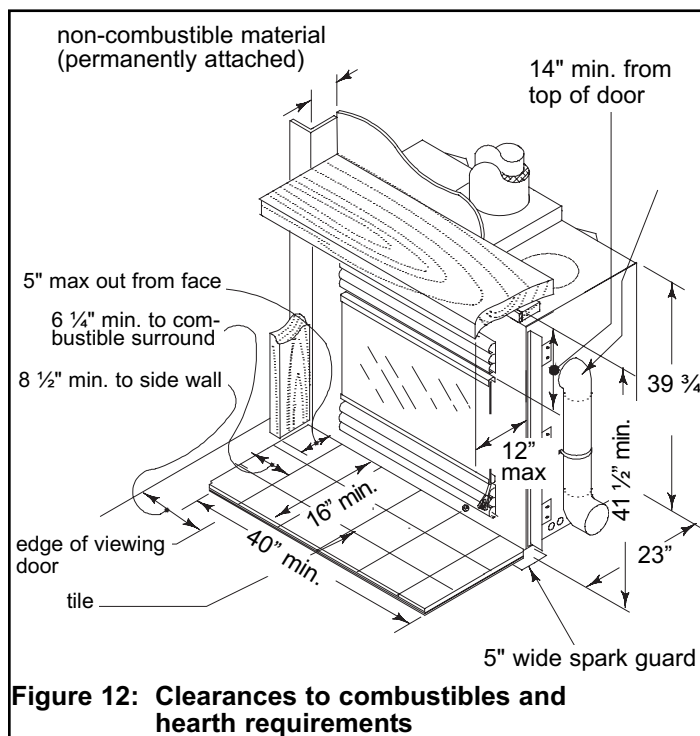
Be sure to seal the 1/4" space between the fireplace and the standoffs with a bead of silicone sealer. (See Figure 13.)

## SPARK GUARD

Install a 5" wide piece of sheet metal centered under the joint between the fireplace and the hearth extension. This will make certain that sparks can't lodge in the crack and start a fire (See Figures 2 & 11). Depending on the allowable height your unit can be raised, the vertical dimension of the spark guard will differ. The minimum depth the spark guard must extend beneath the ORACLE and the non-combustible material in front of the fireplace is 2 1/2 inches. The "Z" shaped sheet metal must run the full width of the unit. (See Figure 11.) (Z-SHAPED SPARK GUARD NOT SUPPLIED).



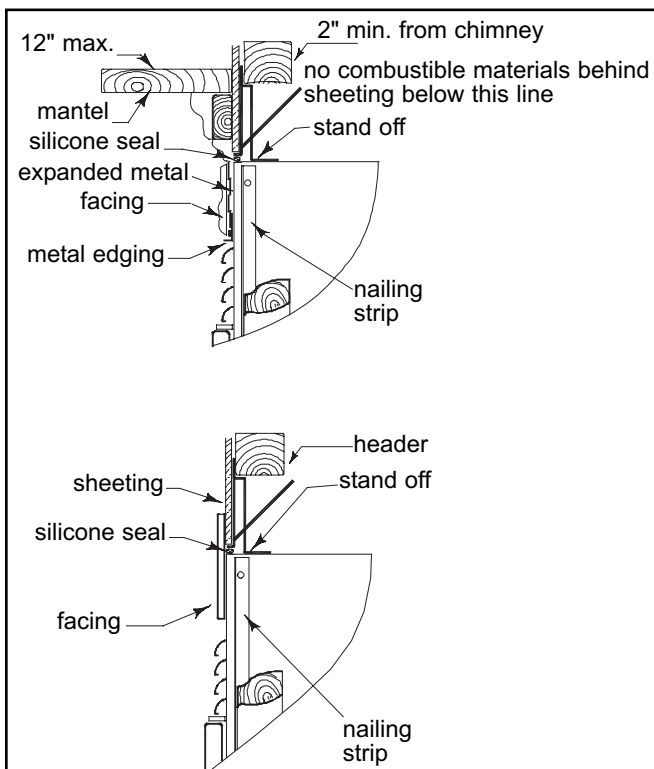
**Figure 11: Z-shaped spark guard**



**Figure 12: Clearances to combustibles and hearth requirements**

## HEARTH EXTENSION

The area immediately in front of the fireplace must be protected by a non-combustible material such as brick, tile, stone, or slate. The protection must extend at least



**Figure 13: Mantel installation**

16" in front of the fireplace opening. There is no minimum thickness required for the hearth extension.

### MANTEL

A masonry or other non-combustible mantel may be placed directly above the top louvers. If a wood or other combustible mantel is desired, it must be at least 14 inches above the top of door (See Figure 12 & 13).

## ORACLE OPTIONS

Just a few comments about your ORACLE options. The size and shape of your home and how you intend to use your fireplace, will determine the options required.

For a basic high efficiency fireplace, you won't need any options or electricity. If you have rooms directly above or adjacent to the room(s) with the fireplace, which you would like to heat, you may consider the gravity vent option (FDVO). The gravity vent distributes hot air to other rooms without the assistance of a blower.

### GOLD LOUVERS

The standard louvers above and below the door can be replaced with gold plated or black enamel set. You may order these from your dealer.

### Dismantling and assembling louvers

1. The louvers are held in place by springs underneath. Therefore, push down from the top and rotate the louvers forward.
2. Take the assembly apart by first removing the top nuts from the rods. Then take off the louvers and spacers.
3. Assemble the new louvers the same way the old ones came apart, reusing the original rods and spacers. Leave about ¼" of the rod protruding above the top nut.
4. Install the assemblies, inserting the rods into the lower holes first. (Top and bottom assemblies are the same size.) Wipe off all fingerprints etc., with a soft cloth and mild soap and water.

### FACING

Facing materials may only be non-combustible such as metal, brick, rock, concrete board, or ceramic tile. Gypsum board is NOT an acceptable facing material.

If you desire to fully face the fireplace with thin masonry, it is recommended that you purchase the rock retainer kit (part FDKO). This kit is NOT recommended for brick or other self-supporting materials. Follow these steps and refer to Figures 14 & 15.

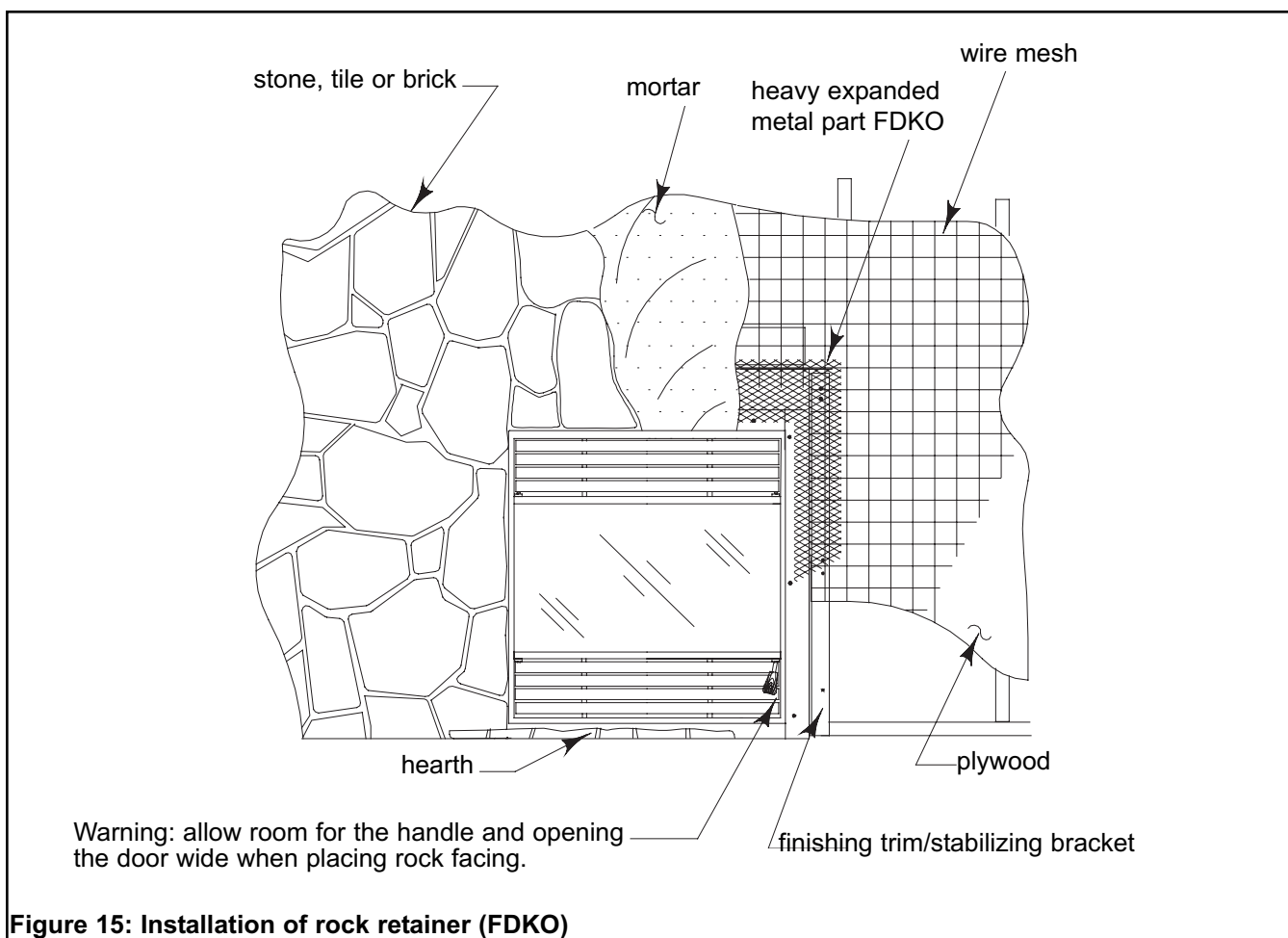
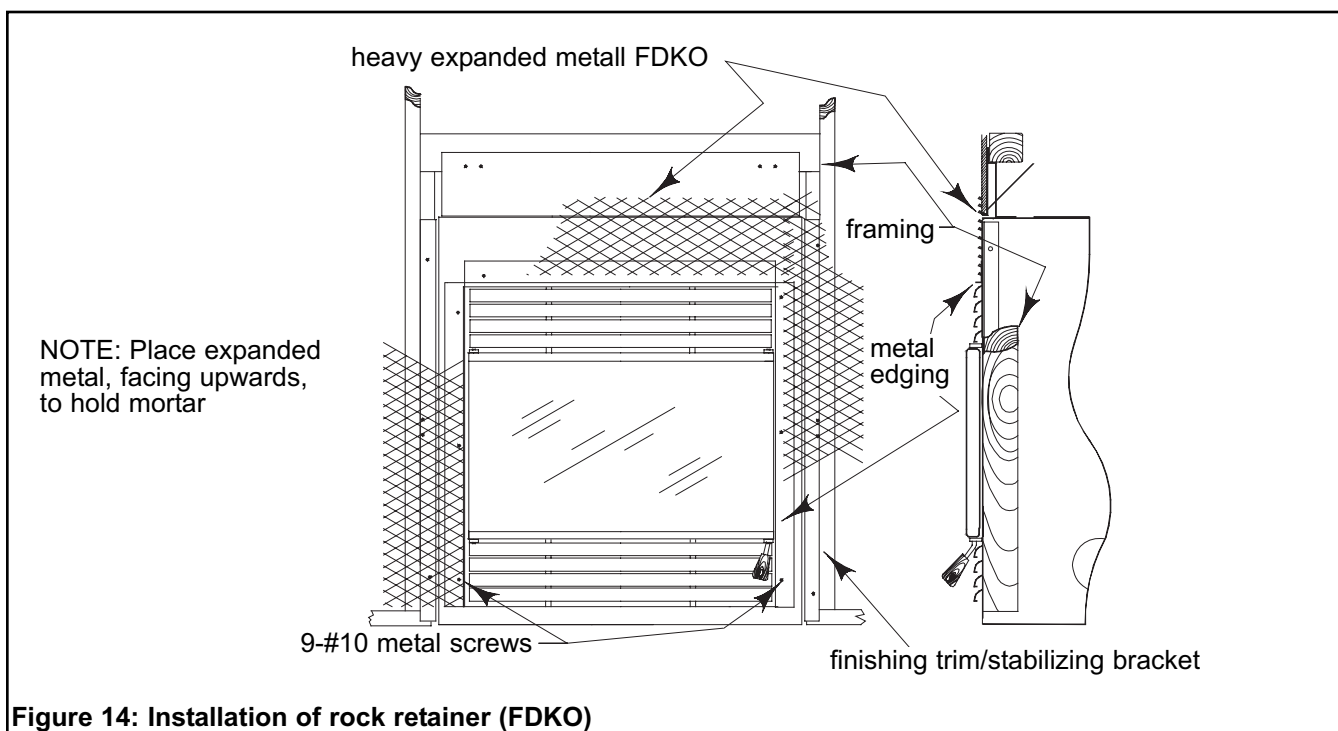
**IMPORTANT:** Make certain that the ¼" space between the finishing trim and unit is sealed with silicone sealer before installing the rock retainer kit.

**WARNING: DO NOT RESTRICT AIRFLOW THROUGH THE INLET AND OUTLET LOUVERS OF THE FIREPLACE.**

**NOTE :** Remove the louvers and leave the door wrapped in the shipping plastic. Store them in a safe place until all the masonry work is finished. Acid from the cleaning operation could permanently damage the gold plating.

#### Installation of rock retainer kit:

1. Install the heavy expanded metal on the face above and beside the door and louvers using drill-and-tap screws. There are right and left side expanded metal pieces. The expanded metal is correctly installed when the expanded metal is facing upwards, to catch the mortar (See Figure 14).
2. Cover the rest of the area with wire mesh or metal lath, overlapping the heavy expanded metal. Make sure nails or staples used for fastening mesh penetrate studs at least 1".

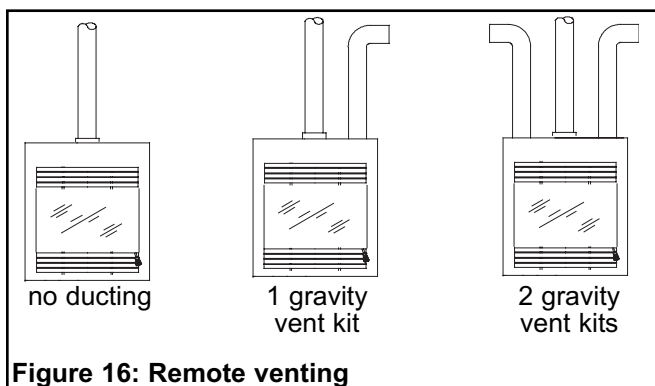




3. Mortar must be "thin set" or "thin bed" type, inherently polymer modified. Do not add water to the mixture (this applies to the grout as well). If the mortar is not modified, you should add a synthetic latex additive. Mix to a firm, moist consistency.
4. Using a plasterer or mason's trowel, apply a scratch coat that covers the wire mesh. Let the mortar set before adding another coat. This will take several hours. Afterwards, apply a thinner coat and the facing. Do not spread plaster over more than a workable area so that the mortar will not set before the facing is applied.
5. If additional mortar is required, use a grout bag to fill in joints. Care must be taken to avoid smearing on the surface of the stone or brick.

### REMOTE VENTING

The gravity vent system can distribute air to an upper level or to a room next door without an extra blower. Figure 16 illustrates various configurations.



**Figure 16: Remote venting**

### THE GRAVITY VENT SYSTEM (FDVO)

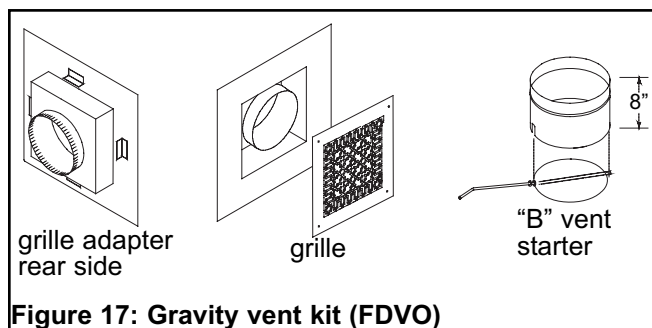
The FDVO Kit includes:

- A grille
- A grille adaptor
- A B-vent starter section
- A shut-off damper

**IMPORTANT:** No substitution of any of these parts is allowed. These genuine RSF Woodburning Fireplaces parts have the correct clearances. These clearances must be maintained for your safety.

The FDVO system incorporates standard 8" B-vent components for installation. Single wall pipe is not allowed due to the high temperature of the air in a gravity vent system. Any listed brand of 8" B-vent pipe may be used and is not a part of the FDVO. The maximum pipe length is 15 ft. from the top of the fireplace to the outlet. Remember: double wall black pipe from ICC can be used instead of B-vent pipe.

**NOTE:** If two gravity vent lines are installed, then two FDVO kits must be ordered.



**Figure 17: Gravity vent kit (FDVO)**

Figure 18 indicates the minimum clearances and framing dimensions. Passing through a combustible wall or ceiling requires a minimum 13" x 13" opening.

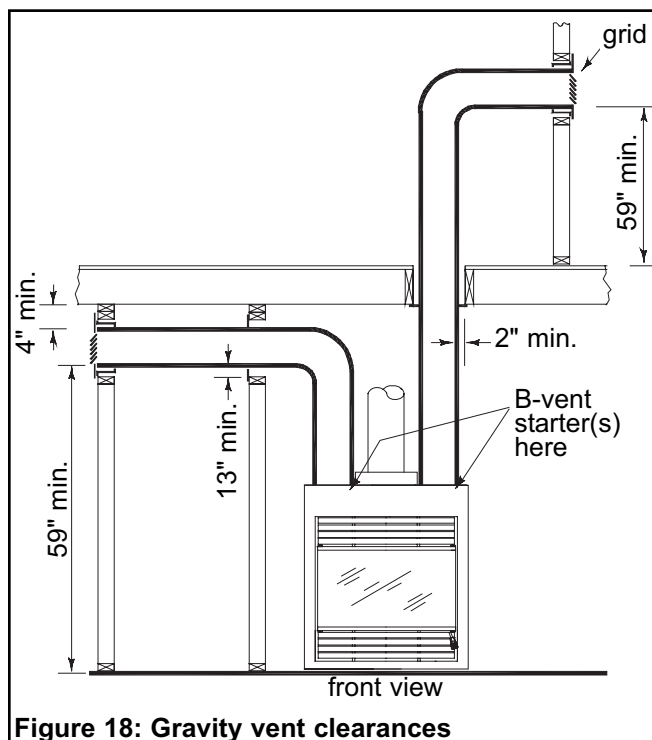
**WARNING:** Every measurement and clearance on the illustrations must be followed to assure safety of the installation.

### Installation

**CAUTION:** Do not replace the grille from the FDVO with shutters.

Do not allow heat to be trapped in the gravity vent system.

1. Plan the gravity vent run first. Be aware that the maximum distance between the top of the fireplace and the outlet is 15 feet. There is no maximum number of elbows in a run, but the run must never go in a downward direction as this can trap heat in the gravity vent system.



**Figure 18: Gravity vent clearances**



2. The grill adaptor is designed to be installed underneath the gypsum board in the wall. In the desired location, frame a 13" x 13" hole to accept the gravity vent grille adaptor. Fit the gravity vent grille adaptor into the framed hole and fasten it into place with nails or screws.
3. Remove the outer cover to the left, right, or both sides of the flue outlet, on the ORACLE.
4. Cut the insulation to the size of the opening and remove the cover plate underneath (it is taped in place).
5. Install the B-vent starter section. The slot in the B-vent starter section should be facing the front and the hole should be facing the back. Bend up the four tabs at the base of the starter section to hold it in place.
6. Install the "shut off" damper at the base of the starter section. The shut off damper enables the manual control of hot air flowing through the gravity vent pipe. With the top louvers removed and the angular portion of the rod in hand, insert the damper rod into the hole in the starter section. Next, make sure that the washer and spring on the control arm are both on the outside of the starter section and that the rod has fit snugly into the slot. A definite tension should exist between the shut off damper rod and the starter section. Replace the louvers. The damper rod should protrude above the top of the louvers.
7. Install the B-vent pipe, between B-vent starter and the grille adaptor. Fasten each joint with 3 screws. Insert the B-vent pipe into the grille adaptor and fasten it with three screws. The B-vent pipe needs only be inserted far enough to be able to screw it into place. This allows you about 3 1/2" of adjustment.
8. Once the wall facing around the gravity vent grille adaptor has been completed, install the grille with the supplied screws. The gravity vent is now ready for operation.

### GAS LOG OPTION

The Oracle now features a gas conversion option. You can use your choice of gas log sets with this conversion. The installation of the gas should only be done by qualified personnel. To convert the Oracle for use with the gas log option:

1. You will notice a 1 1/4" diameter knockout on both sides of the Oracle, about 9" up from the bottom of the fireplace (see Figure 4). The gas line will be installed through one of these knockouts. Choose the side that is best for your installation.
2. Remove the firebrick from the base of the firebox. You will notice two sheet metal pieces underneath the firebrick. Remove these also. Keep the firebrick and sheet

metal, as they will be needed to operate the Oracle, if you would like to burn wood again.

3. Underneath the firebrick and sheet metal, there are four 1" diameter holes in the center of the bottom, to bring air to the gas log set. These holes must not be blocked.
4. There are two 1 1/4" diameter holes closer to the sides of the bottom of the firebox. If you are installing a gas valve, install it over one of these larger holes, to allow the airflow to cool the gas valve.
5. When you remove the firebrick you will notice a notch in the bottom of the side refractories. The gas line will come through one of these notches (see Figure 19).
6. Follow the instructions supplied with your gas log set concerning the installation of gas lines, shut-off valves, etc. If you have the sand pan type of gas log set that covers the air holes, place some of the firebrick, or some other suitable non-combustible material around the edges of the sand pan to raise the gas log set above the air holes.

Maximum gas input: 40 000 BTU

There are no minimum clearances to the sides or top of the firebox. However, any clearances stated by the gas log set manufacturer must be maintained.

You may install the gas valve inside the firebox if the gas log set manufacturer allows this in its instructions, and the required clearances are met.

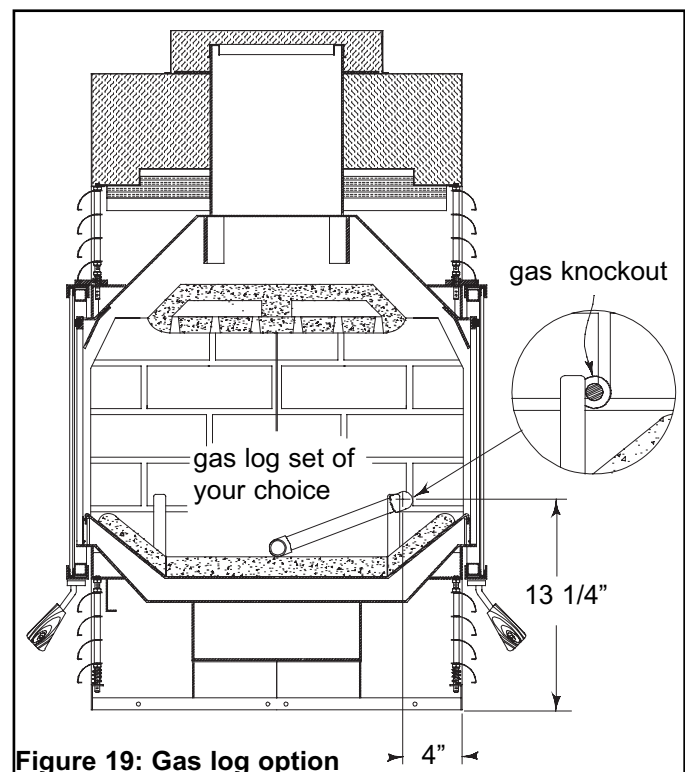
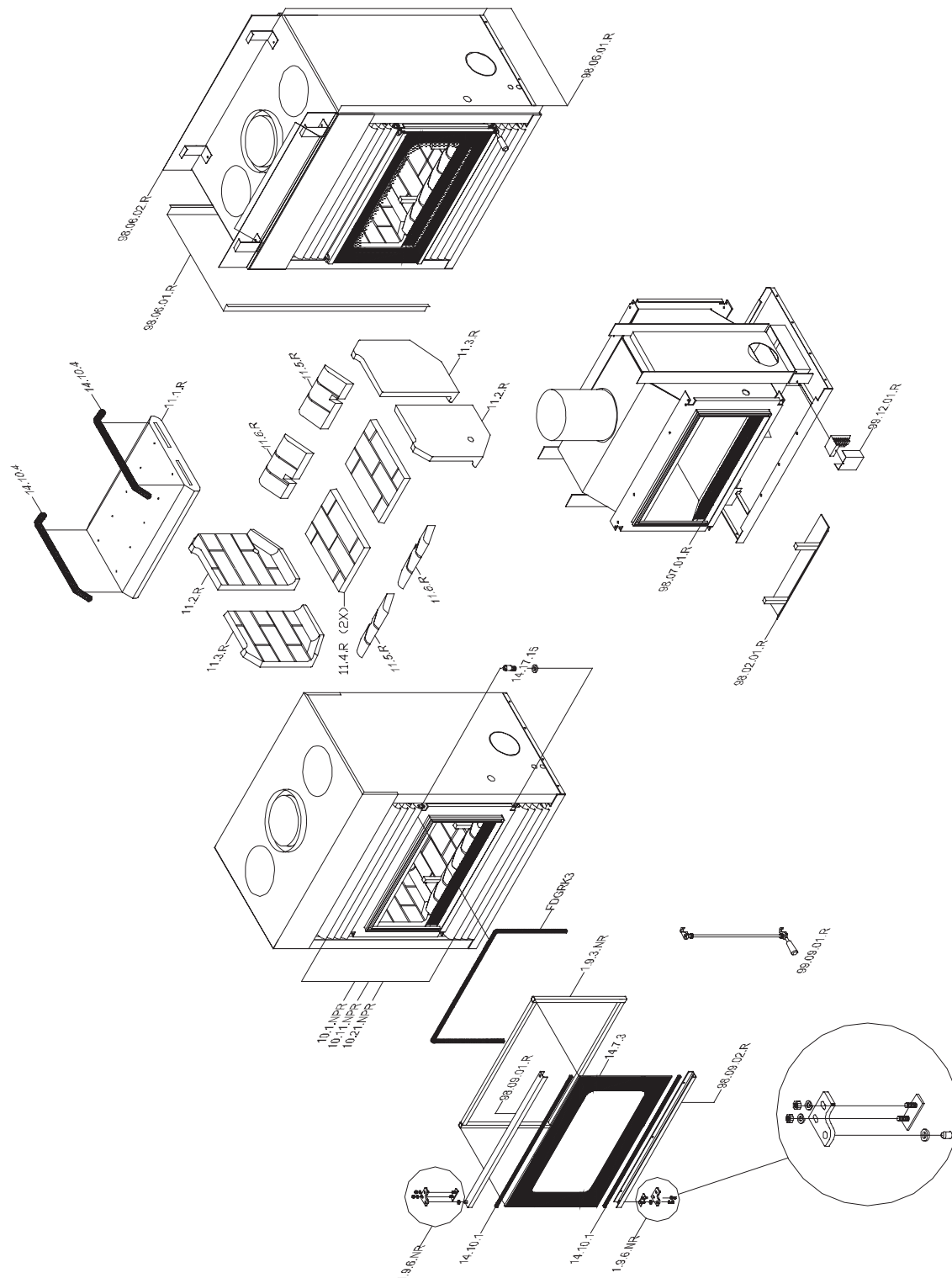


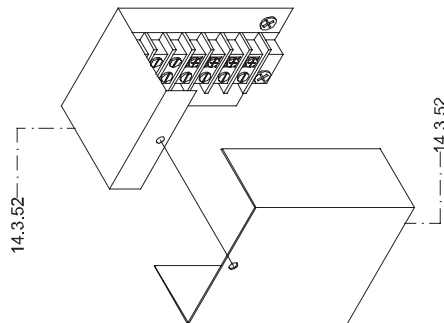
Figure 19: Gas log option

REPLACEMENT PARTS			
DESCRIPTION	NEW CODE	OLD CODE	PRICE
Louver fin (black)	101NFR	A959	1000
Louver fin (gold)	1011NFR		3000
Louver fin (pewter)	1021NFR		3000
Louver hardware assembly	991004R		1000
Nut 1/4-20 Hex	14352	R1415	P/A
Louver rod	1493	R6418	P/A
Spacer 1/4" X 1 3/8"	1485	R6149	P/A
Retention spring for louvers	1453	R6309	P/A
Door glass	1473	R6246-A1249	3000
Door frame	193NR	AA1212W	N/A
Door hinge assembly	196NR	AA1214A124W	2000
Door channel bottom (black)	990901R		4000
Door channel top (black)	990902R		4000
Gasket 5/8"	FDGRK3	R7005	2500
Gasket window channel 1"	14101	R7000	1000
Door closure assembly	990901R	A1214-3	2000
Door closer hook assembly	191R		P/A
Door closer hook	91NR	A1210	P/A
Door handle grip (wood)	1461	R6012	500
Split pin 5/32 x 11/16	1446	R1850	P/A
Door closer-rod	93NR	A1214-1	P/A
Hinge pin	141715	R6410	1000
Andiron plate assembly	991010R	AA1430W	3000
Refractory complete set	991011R		24000
Gasket round 1"	14104	R7008	P/A
Top baffle refractory	111R	R4301	17500
Right side refractory	112R	R4302	4000
Left side refractory	113R	R4303	4000
Bottom refractory	114R	R4304	4000
Left front refractory	115R	R4305	1500
Right front refractory	116R	R4306	1500
Terminal block assembly	991201R		2500
Terminal block	1121DNFR	AA1088W	P/A
Terminal block cover	122DNFR	AA1089	P/A
Primary air screen	990701R	A1433	2000
Stand off assembly	990602R	A1448W	N/A
Nailing strip	990601R	A1412	N/A
NOT AVAILABLE			
PART OF ASSEMBLY			
N/A			
P/A			

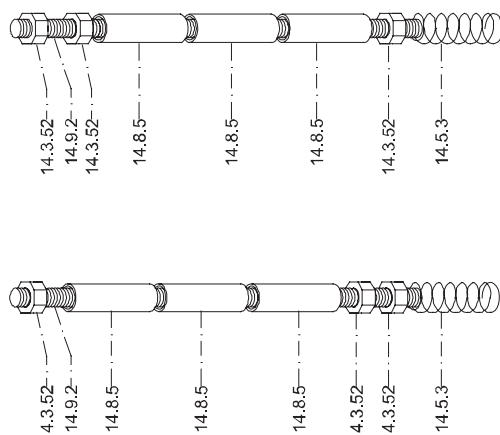


REPLACEMENT PARTS			
DESCRIPTION	NEW CODE	OLD CODE	PRICE
Louver fin (black)	10.1NR	A959	10.00
Louver fin (gold)	10.11NR		30.00
Louver fin (pewter)	10.21NR		30.00
Louver hardware assembly	99.10.04R		10.00
Nut 1/4-20 Hex	14.352	R1415	P/A
Louver rod	14.93	R6418	P/A
Spacer 1/4" X 1 3/8"	14.85	R6149	P/A
Retention spring for louvers	14.53	R6309	P/A
Door glass	14.73	R6246-A1249	300.00
Door frame	133NR	AA1212W	N/A
Door hinge assembly	136NR	AA1211AA1242W	20.00
Door channel bottom (black)	99.09.01R		40.00
Door channel top (black)	99.09.02R		40.00
Gasket 5/8"	FD3PK3	R7005	25.00
Gasket window channel 1"	14.101	R7000	10.00
Door closure assembly	99.09.01R	A1214-3	20.00
Door closer hook assembly	19.1R		P/A
Door closer hook	9.1NR	A1210	P/A
Door handle grip (wood)	14.61	R6012	5.00
Split pin 5/32 x 11/16	14.46	R1850	P/A
Door closer-rod	93NR	A1214-1	P/A
Hinge pin	14.1715	R6410	10.00
Andiron plate assembly	99.11.01R	AA1430W	30.00
Refractory complete set	99.11.01R		240.00
Gasket round 1"	14.104	R7008	P/A
Top baffle refractory	11.1R	R4301	175.00
Right side refractory	11.2R	R4302	40.00
Left side refractory	11.3R	R4303	40.00
Bottom refractory	11.4R	R4304	40.00
Left front refractory	11.5R	R4305	15.00
Right front refractory	11.6R	R4306	15.00
Terminal block assembly	99.12.01R		25.00
Terminal block	11.21DNFR	AA1088W	P/A
Terminal block cover	12.2DNFR	AA1089	P/A
Primary air screen	99.07.01R	A1433	20.00
Stand off assembly	99.06.02R	A1448W	N/A
Nailing strip	99.06.01R	A1412	N/A
NOT AVAILABLE			P/A
PART OF ASSEMBLY			P/A

### 99.12.01.R TERMINAL BLOCK ASSEMBLY

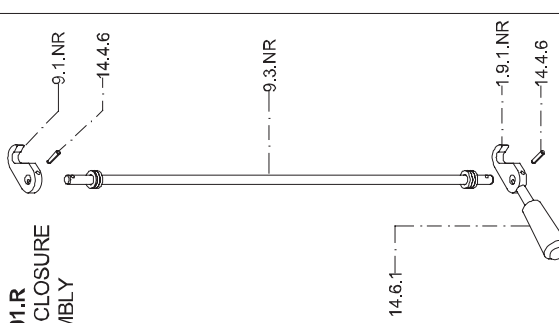


### (FOR TOP LOUVER) (FOR BOTTOM LOUVER)

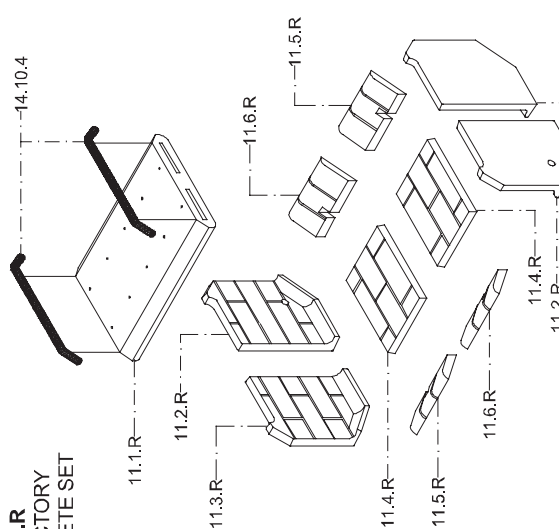



### 99.10.04.N LOUVER HARDWARE ASSEMBLY

### 99.09.01.R DOOR CLOSURE ASSEMBLY



### 99.11.01.R REFRACTORY COMPLETE SET



 LISTED FACTORY BUILT FIREPLACE MODEL: ORACLE REPORT NO. 6447 (JUNE 92) LISTED TESTED TO: UL-127, UL-C-8610		DO NOT REMOVE THIS LABEL / NE PAS ENLEVER CETTE ÉTIQUETTE SER. NO. / NO. DE SÉRIE		Foyer prêt à brûler MODÈLE: ORACLE RAPPORT # 6447 (JUN 92) UL-127, UL-C-8610 HOMOLOGUÉ	
INSTALL AND USE ONLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS. <b>DO NOT OBSTRUCT</b> COMBUSTION AIR INLET. OPERATE ONLY WITH VIEWING DOOR CLOSED AND LATCHED-OPEN TO FEED FIRE ONLY. FOR USE WITH SOLID WOOD FUELS ONLY. OPERATE ONLY WITH FIREBRICK IN PLACE.					
MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS					
UNIT TOP, BACK, SIDES AND BOTTOM FACE OF UNIT	0 IN. / 0 MM TO SPACERS NO COMBUSTIBLES PERMITTED				
MANTLE, TOP FACING	14 IN. / 355 MM FROM VIEWING DOOR				
SIDE FACING, MAXIMUM PROTRUSION 5 IN. / 125 MM	6.25 IN. / 160 MM FROM VIEWING DOOR				
ADJACENT SIDEWALL	8.5 IN. / 215 MM FROM VIEWING DOOR				
FLOOR MUST BE PROTECTED BY A NON-COMBUSTIBLE MATERIAL EXTENDING AT LEAST 16 IN. / 405 MM TO FRONT OF AND 8 IN. / 203 MM TO SIDES OF FIREPLACE OPENING.					
COMPONENTS REQUIRED FOR INSTALLATION: COMBUSTION AIR INLET ASSEMBLY AND 4 IN. / 102 MM OR 5 IN. / 130 MM DIAMETER FLEXIBLE DUCT, ICC INC. MODEL EXCEL (8 IN. / 203 MM) DIAMETER CHIMNEY SYSTEM.					
OPTIONAL COMPONENTS: PART NO. FDV0: B-VENT DUCT SYSTEM FDH6: CENTRAL HEATING FAN FDH6: CENTRAL HEATING VALVE AND THERMOSTAT FDM6: MASONRY ADAPTER					
DATE MANUFACTURED / DATE DE FABRICATION					
MANUFACTURED BY / FAIT PAR ICC, 400 J.F. KENNEDY, ST-JÉRÔME QUÉBEC, CANADA, J7Y 4B7					
DÉGAGEMENTS MINIMUM AUX MATIÈRES COMBUSTIBLES					
DESSUS, ARRIÈRE, CÔTÉS ET BASE DE L'APPAREIL	0 PO. / 0 MM DES CAIS AUCUN COMBUSTIBLE PERMIS				
FAÇADE	14 PO. / 355 MM DE L'OUVERTURE DE LA PORTE				
MANTEAU ET DESSUS DE LA FAÇADE	6.25 PO. / 160 MM DE L'OUVERTURE DE LA PORTE				
FAÇADE, CÔTÉ 6 PO. / 155 MM MAX. EN SAUTILLÉ	8.5 PO. / 215 MM DE L'OUVERTURE DE LA PORTE				
MURS DE CÔTÉ					
UN PLANCHER COMBUSTIBLE DOIT ÊTRE PROTÉGÉ PAR UN MATÉRIAU NON-COMBUSTIBLE S'ÉTENDANT AU MOINS 16" (405 MM) AU DEVANT ET 8" (203 MM) SUR LES CÔTÉS DE L'OUVERTURE DE LA PORTE DU FOYER. PIÈCES REQUISES POUR L'INSTALLATION: TUYAU FLEXIBLE DE 4" / 102 MM OU 5" / 130 MM D.A. ET PRISE D'ENTRÉE D'AIR. UNE CHEMINÉE EXCEL DE ICC (8" / 203 MM DE DIAMÈTRE) COMPOSANTES OPTIONNELLES: NO. DE PIÈCE: FDV0: SYSTÈME DE RÉCUPÉRATION DE CHAUFFEIR PAR ÉVENT TYPE B FDH6: VENTILATEUR CHAUFFAGE CENTRAL FDH6: VALVE ET THERMOSTAT CHAUFFAGE CENTRAL FDM6: ADAPTATEUR DE MAÇONNERIE					



WOODBURNING FIREPLACES  
MADE IN CANADA

MANUFACTURED BY / FAIT PAR ICC, 400 J.F. KENNEDY, ST-JÉRÔME  
QUÉBEC, CANADA, J7Y 4B7



FOYERS AU BOIS  
FAIT AU CANADA

We recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute) or in Canada by WETT (Wood Energy Technical Training).





## ORACLE - Limited Warranty

### 30 Year Limited Warranty

**All RSF Woodburning Fireplaces models are warranted against defects in material and workmanship for a period of 30 years, subject to the following conditions:**

During the first year **RSF Woodburning Fireplaces** will repair or replace, at our option, any parts which upon examination by an authorized **RSF Woodburning Fireplaces** representative are found to be defective, except the parts listed in the EXCLUSIONS portion of this warranty. **RSF Woodburning Fireplaces** will also pay reasonable labor costs for the repair work.

During the second through fifth years **RSF Woodburning Fireplaces** will repair or replace, at our option, any parts which upon examination by an authorized **RSF Woodburning Fireplaces** representative are found to be defective, except the parts listed in the EXCLUSIONS portion of this warranty. **RSF Woodburning Fireplaces** shall not be responsible for any labor costs associated with this repair work.

During the sixth through thirtieth years **RSF Woodburning Fireplaces** will provide replacement parts, if available, at 50% of the published retail price, except for the parts listed in the EXCLUSIONS portion of this warranty. **RSF Woodburning Fireplaces** shall not be responsible for any labor costs associated with this repair work.

#### EXCLUSIONS

- Electrical components are warranted for one year only.
- Glass and gold plating.
- Damage due to normal wear and tear, such as paint discoloration, worn gaskets, eroded or cracked refractory components.
- Repairs or replacements necessitated by vandalism, neglect, abuse, over-firing, improper fuel or fuel loads, or failure to adequately service the unit, as stated in the owner's manual.
- Repairs or replacements (particularly charges for travel and labor) not authorized by **RSF Woodburning Fireplaces** in advance.

#### LIMITATIONS

All items found to be defective will be replaced or repaired upon return of the defective part to an authorized **RSF Woodburning Fireplaces** dealer. **RSF Woodburning Fireplaces** will not be responsible for freight costs related to shipping replacement parts.

Any complete fireplace, or part thereof, that is replaced or serviced under this warranty will be warranted for a period not exceeding the remaining term of the original warranty.

This warranty is not transferable.

This warranty does not apply to damage to the appliance while in transit.

This warranty does not apply if the installation does not conform to the installation requirements in the owner's manual.

**RSF Woodburning Fireplaces** is free of liability for any damages caused by the appliance, as well as material and labor charges incurred in the removal or re-installation of any **RSF Woodburning Fireplaces** fireplace under this warranty. Incidental or consequential damages are not covered by this warranty.

The remedies set forth herein are exclusive, and the liability of the seller shall not exceed the price of the fireplace or part thereof upon which the liability is based.

This warranty is expressly in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on the part of **RSF Woodburning Fireplaces**.