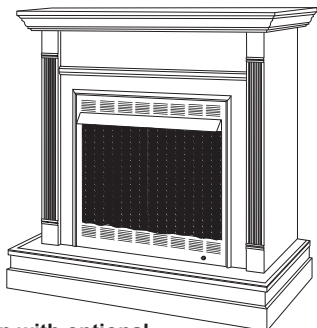


VANGUARD®

UNVENTED (VENT-FREE) 32" LOGMATE® UNIVERSAL FIREBOX OWNER'S MANUAL



Shown with optional accessories.



We recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute).

www.nficertified.org

MODEL FB32CB WITH CIRCULATING LOUVERS AND MODEL FB32NCB WITH NONCIRCULATING SMOOTH FACE

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

For use only with a listed gas-fired unvented decorative room heater. Not to exceed 40,000 Btu/Hr. Do not build a wood fire.

Carefully review the instructions supplied with the decorative type unvented room heater for the minimum fireplace size requirement.

Do not install an appliance in this firebox unless this firebox meets the minimum dimensions required for the installation.

This firebox has been tested and approved by CSA under ANSI Z21.91 for use with any ANSI Z21.11.2 approved gas logs.

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

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SAFETY

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

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

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

⚠ WARNING: This product contains and/or generates chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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

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

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

⚠ WARNING: Do not use a blower insert, hood, heat exchanger insert or other accessory not approved for use with this heater. Use only the provided hood or GA6096 polished brass hood accessory (see Accessories on page 19).

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

Do not place clothing or other flammable material on or near firebox. Never place any objects on the firebox or logs.

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

SAFETY

Continued

Firebox front and screen become very hot when running firebox. Keep children and adults away from hot surfaces to avoid burns or clothing ignition. Firebox will remain hot for a time after shut-down. Allow surfaces to cool before touching.

You must operate this fireplace with the provided fireplace screen (closed) and hood in place. Make sure these parts are in place before running firebox. This firebox has been tested and approved with and without the brick liner. If the liner is removed, the model number reverts to the NL (non-lined) series.

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

1. This firebox shall not be installed in a bedroom or bathroom.
2. Never install the firebox
 - in a recreational vehicle
 - where curtains, furniture, clothing or other flammable objects are less than 36" from the front and 42" from the top of firebox. For side clearances see Figure 6, page 8
 - in high traffic areas
 - in windy or drafty areas
3. Do not use this firebox as a wood-burning fireplace. Use only decorative unvented room heaters (log sets).
4. Do not add extra logs or ornaments such as pine cones, vermiculite or rock wool. Using these added items can cause sooting.
5. Vent-free gas log heaters installed in these fireboxes require fresh air ventilation to run properly. See *Air for Combustion and Ventilation*, page 5.
6. Do not run firebox
 - where flammable liquids or vapors are used or stored
 - under dusty conditions
7. Do not use this firebox to cook food or burn paper or other objects.
8. Turn firebox off and let cool before servicing. Only a qualified service person should service and repair firebox.
9. Operating vent-free log sets in a firebox above elevations of 4,500 feet could cause pilot outage.
10. Do not use the firebox if it has been under water due to the shock hazard that could result with the blower accessory (if installed) in place.
11. Provide adequate clearances around air openings.

LOCAL CODES

Install and use fireplace with care. Follow all local codes. In the absence of local codes, use the latest edition of *The National Fuel Gas Code ANSI Z223.1/NFPA 54**. Firebox must be electrically grounded in accordance with the *National Electrical Code, ANSI/NFPA 70* (latest edition).

*Available from:

American National Standards Institute, Inc.
1430 Broadway
New York, NY 10018
National Fire Protection Association, Inc.
Batterymarch Park
Quincy, MA 02269

State of Massachusetts: The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts.

Sellers of unvented propane or natural gas-fired supplemental room heaters shall provide to each purchaser a copy of 527 CMR 30 upon sale of the unit.

Vent-free gas products are prohibited for bedroom and bathroom installation in the Commonwealth of Massachusetts.

UNPACKING

- Owner's Manual
- Black #10 x 3/8" Phillips screws (2)
- Zinc #10 x 1/2" shouldered hex screws (3)
- Black #10 x 5/8" shouldered hex screws (2)

3. Check heater for any shipping damage. If heater is damaged call DESA Heating, LLC at 1-866-672-6040 for replacement parts before returning to dealer.

PRODUCT SPECIFICATIONS

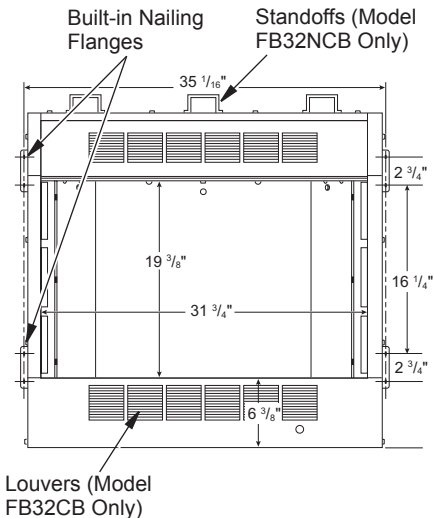


Figure 1 - Firebox Front View

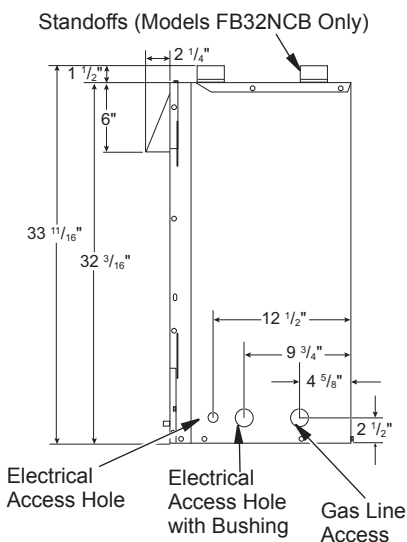
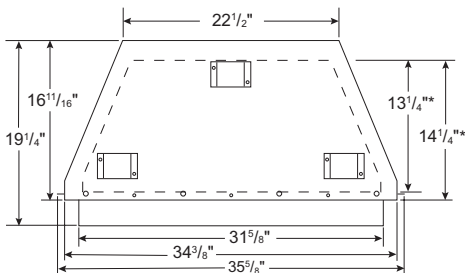


Figure 2 - Firebox Side View



**Note: 14 1/4" is total firebox cavity depth including brick liner. 13 1/4" is depth of flat floor including brick liner.*

Figure 3 - Firebox Top View

PRODUCT FEATURES

OPERATION

This firebox is designed for use with approved ANSI Z21.1.2 decorative type unvented room heaters. (Physical size limitations apply. Refer to minimum firebox requirements supplied with log heater.) It requires no outside venting or chimney making installation easy and inexpensive. When used without the blower,

the firebox requires no electricity making it ideal for emergency backup heat.

BLOWER ACCESSORY

The FB32CB firebox will accept the GA3750A accessory. The variable blower allows you to select the fan speed you desire. The blower circulates heated air from the firebox into the room. Use of blower is optional.

LOCATING FIREBOX

Plan where you will install the firebox. This will save time and money later when you install the firebox. Before installation, consider the following:

1. Where firebox will be located. Allow for wall and ceiling clearances (see Installation Clearances, page 8).

2. Everything needed to complete installation.
3. These models CANNOT be installed in a bedroom or bathroom.
4. Proper air for combustion and ventilation (see Air for Combustion and Ventilation).

AIR FOR COMBUSTION AND VENTILATION

⚠ WARNING: This heater shall not be installed in a room or space unless the required volume of indoor combustion air is provided by the method described in the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, the *International Fuel Gas Code*, or applicable local codes. Read the following instructions to insure proper fresh air for this and other fuel-burning appliances in your home.

Today's homes are built more energy efficient than ever. New materials, increased insulation and new construction methods help reduce heat loss in homes. Home owners weather strip and caulk around windows and doors to keep the cold air out and the warm air in. During heating months, home owners want their homes as airtight as possible.

While it is good to make your home energy efficient, your home needs to breathe. Fresh air must enter your home. All fuel-burning appliances need fresh air for proper combustion and ventilation.

Exhaust fans, fireboxes, clothes dryers and fuel burning appliances draw air from the house to operate. You must provide adequate fresh air for these appliances. This will insure proper venting of vented fuel-burning appliances.

PROVIDING ADEQUATE VENTILATION

The following are excerpts from *National Fuel Gas Code ANSI Z223.1/NFPA 54, Air*

for Combustion and Ventilation.

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

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

The information on pages 5 through 7 will help you classify your space and provide adequate ventilation.

Unusually Tight Construction

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

Unusually tight construction is defined as construction where:

- a. walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of one perm (6×10^{-11} kg per pa-sec- m^2) or less with openings gasketed or sealed and
- b. weather stripping has been added on openable windows and doors and
- c. caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical and gas lines and at other openings.

If your home meets all of the three criteria above, you must provide additional fresh air. See Ventilation Air From Outdoors, page 7.

AIR FOR COMBUSTION AND VENTILATION

Continued

If your home does not meet all of the three previous criteria, proceed to *Determining Fresh-Air Flow For Firebox Location*, page 6.

Confined Space and Unconfined Space

The *National Fuel Gas Code ANSI Z223.1/NFPA 54* defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 Btu/hr (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 Btu/hr (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed*, through openings not furnished with doors, are considered a part of the unconfined space.

* Adjoining rooms are communicating only if there are doorless passageways or ventilation grills between them.

DETERMINING FRESH-AIR FLOW FOR HEATER LOCATION

Determining if You Have a Confined or Unconfined Space

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

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

1. Determine the volume of the space (length x width x height).

Length x Width x Height = _____ cu. ft. (volume of space)

Example: Space size 20 ft. (length) x 16 ft. (width) x 8 ft. (ceiling height) = 2560 cu. ft. (volume of space)

If additional ventilation to adjoining room is supplied with grills or openings, add the volume of these rooms to the total volume of the space.

2. Multiply the space volume by 20 to determine the maximum Btu/Hr the space can support.

_____(volume of space) x 20 = (Maximum Btu/Hr the space can support)

Example: 2560 cu. ft. (volume of space) x 20 = 51,200 (maximum Btu/Hr the space can support)

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

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

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

Example:

Gas water heater	40,000	Btu/Hr
Vent-free heater	+ 39,000	Btu/Hr
Total	= 79,000	Btu/Hr

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

_____ Btu/Hr (maximum the space can support)

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

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

79,000 Btu/Hr (actual amount of Btu/Hr used)

The space in the above example is a confined space because the actual Btu/Hr used is more than the maximum Btu/Hr the space can support. You must provide additional fresh air. Your options are as follows:

- A. Rework worksheet, adding the space of an adjoining room. If the extra space provides an unconfined space, remove door to adjoining room or add ventilation grills between rooms. See *Ventilation Air From Inside Building*, page 7.
- B. Vent room directly to the outdoors. See *Ventilation Air From Outdoors*, page 7.
- C. Install a lower Btu/Hr heater, if lower Btu/Hr size makes room unconfined.

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

AIR FOR COMBUSTION AND VENTILATION

Continued

⚠ WARNING: If the area in which the heater may be operated does not meet the required volume for indoor combustion air, combustion and ventilation air shall be provided by one of the methods described in the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, the *International Fuel Gas Code*, or applicable local codes.

VENTILATION AIR

Ventilation Air From Inside Building

This fresh air would come from an adjoining unconfined space. When ventilating to an adjoining unconfined space, you must provide two permanent openings: one within 12" of the

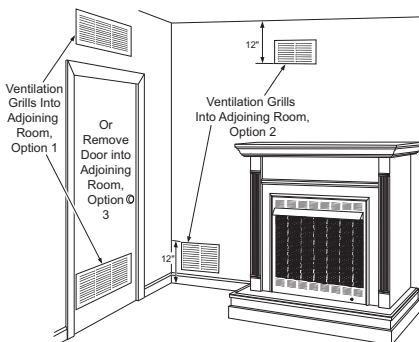


Figure 4 - Ventilation Air from Inside Building

ceiling and one within 12" of the floor on the wall connecting the two spaces (see options 1 and 2, Figure 4). You can also remove door into adjoining room (see option 3, Figure 4). Follow the *National Fuel Gas Code ANSI Z223.1/NFPA 54, Air for Combustion and Ventilation* for required size of ventilation grills or ducts.

Ventilation Air From Outdoors

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

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

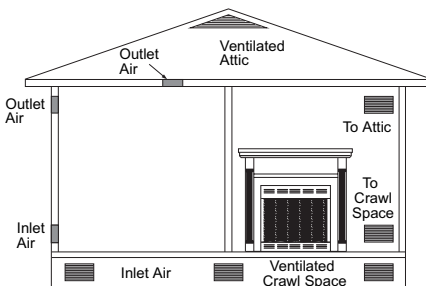


Figure 5 - Ventilation Air from Outdoors

INSTALLATION

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

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

⚠ WARNING: Never install firebox

- in a bedroom or bathroom
- in a recreational vehicle
- where curtains, furniture, clothing or other flammable objects are less than 36" from the front and 42" from the top of firebox. For side clearances see Figure 6, page 8
- in high traffic areas
- in windy or drafty areas

INSTALLATION

Continued

IMPORTANT: Vent-free gas log heaters add moisture to the air. Although this is beneficial, installing firebox in rooms without enough ventilation air may cause mildew to form from too much moisture. See [Air for Combustion and Ventilation](#), page 5.

IMPORTANT: Make sure the firebox is level. If firebox is not level, log set will not work properly.

Note: Your Vanguard firebox is designed to be used in zero clearance installations. Wall or framing material can be placed directly against any exterior surface on the rear, sides or top of your firebox, except where standoff spacers are integrally attached. If standoff spacers are attached to your firebox, these spacers can be placed directly against wall or framing materials.

Use the dimensions shown for rough openings to create the easiest installation (see [Built-In Firebox Installation](#), page 12).

INSTALLATION CLEARANCES

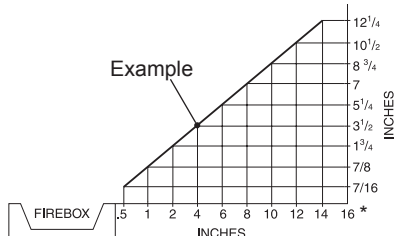
⚠ WARNING: Maintain the minimum clearances. If you can, provide greater clearances from floor, ceiling and adjoining wall.

Carefully follow the instructions below. This will ensure safe installation.

Minimum Clearances For Side Combustible Material, Side Wall and Ceiling

A. Clearances from the side of the fireplace cabinet to any combustible material and wall should follow diagram in Figure 6.

Example: The face of a mantel, bookshelf, etc. is made of combustible material and protrudes 3 1/2" from the wall. This combustible material must be 4" from the side of the fireplace opening (see Figure 6).



*Minimum 16" from Side Wall

Figure 6 - Minimum Clearance for Combustible to Wall

B. Clearances from the top of the fireplace opening to the ceiling should not be less than 42".

MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS

Top 42", Left and Right Sides 16", Bottom and Rear 0", Front 36"

Mantel Clearances for Built-In Installation

If placing custom mantel above built-in firebox, you must meet the minimum allowable clearance between mantel shelf and top of firebox opening shown in Figure 7. These are the minimum allowable mantel clearances for a safe installation. Use larger clearances wherever possible to minimize the heating of objects and materials placed on the mantel.

⚠ CAUTION: Close screens before operation of vent-free gas log heater. Do not allow the heater to touch or extend beyond the fireplace screen.

If your installation does not meet the minimum clearances in Figure 7, you must:

- raise mantel to an acceptable height,
- OR
- remove mantel.

Note:

All vertical measurements are from top of fireplace opening to bottom of mantel shelf. All measurements are in inches.

Facing material (above firebox) may be of combustible material, including decorative mantel ornaments.

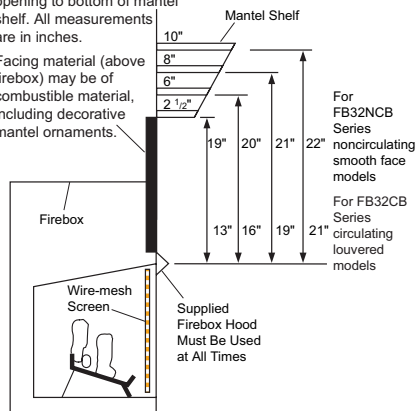


Figure 7 - Minimum Mantel Clearances for Built-In Installation

INSTALLATION

Continued

INSTALLING BLOWER ACCESSORY (Model FB32CB Only)

You may install blower accessory GA3750A with conventional installation (below) or with built-in installation (page 11).

Conventional Installation of Blower Accessory

NOTICE: If a log set is currently installed in the firebox, disconnect log set from gas supply and remove from firebox. Contact a qualified service person to do this.

1. Remove firebox bottom:
 - a. Remove 4 screws that secure bottom of firebox (see Figure 8).
 - b. Carefully raise and remove firebox bottom from firebox.

WARNING: If there is a duplex electrical outlet installed in the right side of the bottom of the fireplace base area, be sure that the electrical power to the outlet is turned off before proceeding with blower installation. Failure to do this may result in serious injury.

2. Place blower against lower rear wall of firebox wrapper with exhaust port directed upward. Align holes in top mounting tabs of blower with holes in wall of wrapper (see Figure 9). Using 2 screws provided, mount blower and tighten screws securely.

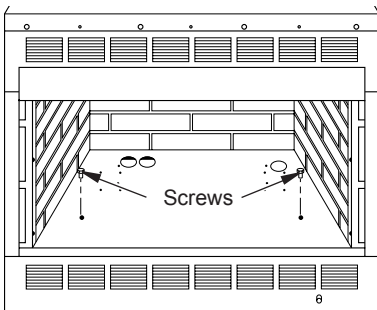


Figure 8 - Removing Screws from Firebox Bottom

3. Be certain that all wire terminals are securely attached to terminals on blower motor and that the screw retaining green ground wire is tight.
4. Locate plastic hole plug installed in the 3/8" diameter opening in the lower right side of firebox front panel (see Figure 9). Remove plastic plug and discard.
5. Place speed control against inner wall of front panel, pushing plastic control shaft forward through opening (see Figure 10).
6. While supporting speed control, secure control shaft with lock nut by pushing and turning lock nut with pliers clockwise until it is tight against front panel. Place control knob provided on shaft (see Figure 10).

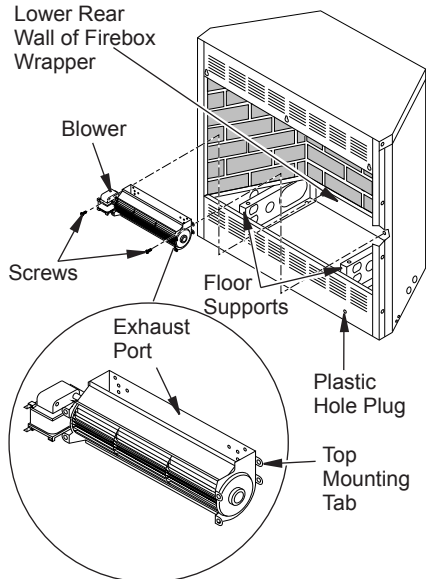


Figure 9 - Mounting Blower to Firebox

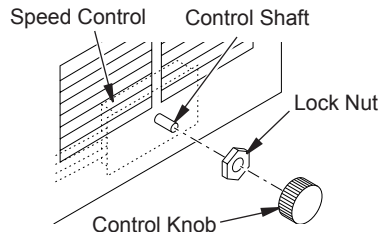


Figure 10 - Attaching Speed Control

INSTALLATION

Continued

7. Plug in blower power cord.
 - a. If your firebox is installed as a freestanding unit, determine whether power cord will exit left side or right side of firebox. Install 1 plastic bushing provided into the 1 1/2" hole in the floor support on the exit side. Install second plastic bushing (provided) into the 1 1/2" hole in outer casing through which power cord will exit (see Figure 11). Route power cord through both plastic bushings and plug power cord into a 3-prong grounded wall receptacle near firebox.
 - b. If your firebox installation is recessed and/or pre-wired, see [Built-In Installation of Blower Accessory](#), page 11.
8. Turn on power to duplex outlet if previously turned off per warning in step 1.
9. Check to make sure that power cord is completely clear of blower wheel and that there are no other foreign objects in blower wheel. Turn blower on and check for operation.



WARNING: Never touch the blower wheel while in operation.

10. Peel off backing paper and stick supplied wiring diagram decal on firebox bottom approximately 12" in front of blower.
11. Replace bottom of firebox. *Note: Make sure back of firebox bottom slides under rear of firebrick (lift firebrick up if necessary.)*
12. Reattach firebox bottom using 4 screws removed in step 1. *Note: Discard remaining hardware items.*
13. Install log set heater according to installation instructions supplied with heater.

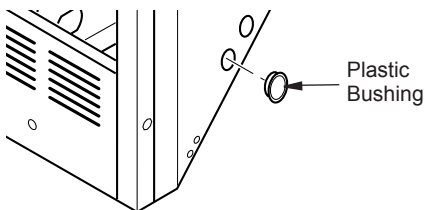


Figure 11 - Installing Plastic Bushing for Power Cord

NOTICE: A qualified electrician must connect electrical wiring to duplex outlet for built-in installation. Follow all local codes. In absence of local codes follow *The National Electrical Code ANSI/NFPA 70*.

Built-In Installation of Blower Accessory

1. Before replacing bottom of firebox, remove screw holding duplex outlet to support bracket in bottom of firebox. Remove duplex outlet.
2. Clamp electrical cable into firebox through smallest hole in outer casing using strain relief provided.
3. Route wires from electrical box through hole in side of heater and hole in support bracket (see Figure 12).
4. Connect wires from the electrical box to duplex outlet. Match wire colors to those indicated on duplex outlet. Be sure to connect ground wire.
5. Replace duplex outlet with screw.
6. Plug blower power cord into duplex outlet.
7. Replace bottom of firebox.

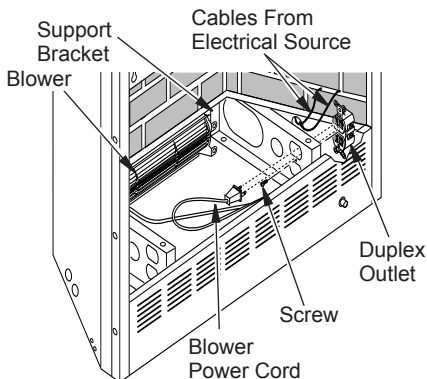


Figure 12 - Routing Blower Accessory Power Cord for Built-In Installation

INSTALLATION

Continued

Operating Blower

Light your gas appliance with the blower off. After about 15 minutes, turn blower on to deliver heated air at the top louvers. The blower features a variable control which allows you to select the speed you desire.

Note: Periodically check louvers of the firebox and remove any dust, dirt or other obstructions.

INSTALLING LOG HEATER IN FIREBOX

CAUTION: Do not remove the data plates attached to the heater base assembly. The data plates contain important warranty and safety information.

CAUTION: Do not pick up log base assembly by burners. This could damage burners. Only handle base by grates.

1. Remove four screws holding firebox bottom in place.
2. Lift and remove firebox bottom (see Figure 13).
3. If installing GA3750A blower accessory (Model FB32CB only), see *Installing Blower Accessory*, page 9.
4. Route flexible gas line from manual shutoff valve into firebox through side.

NOTICE: Most building codes do not permit concealed gas connections. A flexible gas line is recommended to allow accessibility from the firebox. The flexible gas supply line connection to the manual shutoff valve should be accessible.

5. Install and properly test gas log heater. Follow installation instructions included with the vent-free gas log heater that is being installed.
6. Replace firebox bottom and secure with screws.

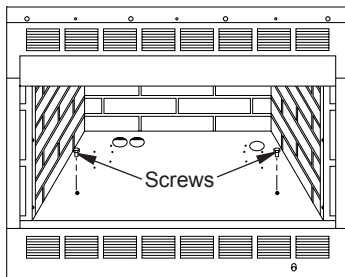


Figure 13 - Removing Firebox Bottom

ASSEMBLING AND ATTACHING OPTIONAL BRASS TRIM

Note: The instructions below show assembling and attaching brass trim to fireplace.

1. Remove packaging from 3 pieces of brass trim.
2. Locate 4 brass screws, 2 adjusting plates with set screws and 2 shims in the hardware packet.
3. Align shim under adjusting plate as shown in Figure 14.
4. Slide one end of adjusting plate/shim in slot on mitered edge of top brass trim (see Figure 14).
5. Slide other end of adjusting plate/shim in slot on mitered edge of side brass trim (see Figure 14).
6. While firmly holding edges of brass trim together, tighten both set screws on the adjusting plate with slotted screwdriver.
7. Repeat steps 1 through 6 for the other side.
8. Tighten trim hanging screws (#10 x 6.25 shoulder) into holes in cabinets. Place the assembled trim onto fireplace cabinet. Align hanging notches on trim with hanging screws on side of fireplace (see Figure 15, page 12). Push trim firmly into place, sliding hanging notches over hanging screws.

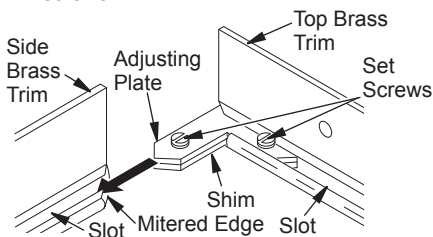


Figure 14 - Assembling Brass Trim

INSTALLATION

Continued

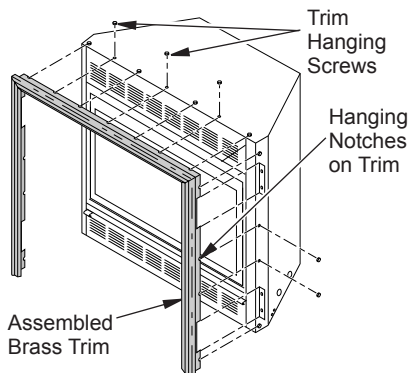


Figure 15 - Attaching Brass Trim to Fireplace

INSTALLING FIREPLACE HOOD

NOTICE: The firebox canopy (hood) must not be modified or replaced with a canopy (hood) that may be provided with the unvented decorative room heater.

1. Attach three zinc-colored shoulder screws to back of hood.
2. Insert hood into hood-mounting slots on firebox.
3. Hold hood in place. Insert two black Phillips screws through bottom of hood and tighten.

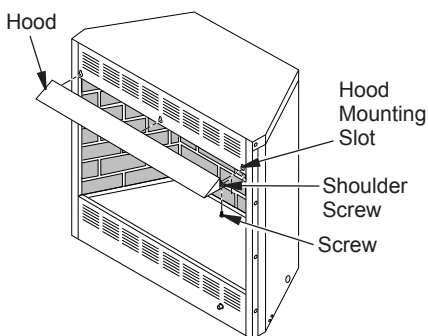


Figure 16 - Installing Fireplace Hood

INSTALLING FIREPLACE SCREEN

1. Insert each rod through nine rings located at top of screen.
2. Insert first rod into rear hole in left side of firebox. Fasten rod to rear hole near center of firebox using black shoulder screw.
3. Insert other rod into front hole on right side of firebox and fasten using remaining shoulder screw.

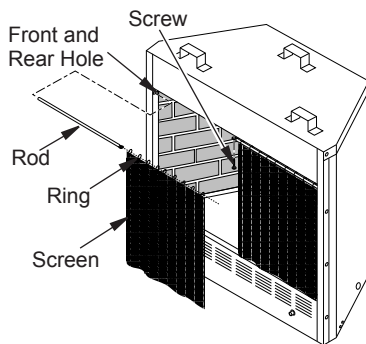


Figure 17 - Installing Fireplace Screen (Shown Without Fireplace Hood for Clarity)

FIREBOX INSTALLATION USING OPTIONAL ACCESSORY MANTELS

This firebox may be installed using the corner or cabinet mantel with hearth base against a wall in your home. A perimeter trim kit is included with the mantel accessories (see [Accessories](#), page 19). Follow the instructions included with mantel for installation.

BUILT-IN FIREBOX INSTALLATION

Built-in installation of this firebox involves installing firebox into a framed-in enclosure. This makes the front of firebox flush with wall. If installing a mantel above the firebox, but you must follow the clearances shown in Figure 7, page 8. Follow the instructions below to install the firebox in this manner.

1. Frame in rough opening. Use dimensions shown in Figure 18, page 13 for the rough opening. If installing in a corner, use dimensions shown in Figure 19, page 13 for the rough opening. The height is 33" (FB32CB) or 34 1/4" (FB32NCB), which is the same as the wall opening in Figure 18, page 13.

INSTALLATION

Continued

2. Install gas piping to firebox location. This installation includes an approved flexible gas line (if allowed by local codes) after the manual shutoff valve. The flexible gas line must be the last item installed on the gas piping. See Connecting to Gas Supply in log set owner's manual.
3. Carefully set firebox in front of rough opening with back of firebox inside wall opening. **IMPORTANT:** If installing perimeter trim kit, see instructions included with brass trim accessory. You must install shoulder screws now.
4. If using GA3750A blower accessory (Model FB32CB only), see Built-In Installation of Blower Accessory, page 11.
5. Attach flexible gas line to log set. See Connecting to Gas Supply in log set owner's manual.
6. Carefully insert firebox into rough opening.
7. Attach firebox to wall studs using nails or wood screws through holes in nailing flange (see Figure 20).
8. Check all gas connections for leaks. See Checking Gas Connections in log set owner's manual.
9. If using optional perimeter trim kit, install the trim after final finishing and/or painting of wall. See instructions included with brass trim accessory for attaching brass trim.

IMPORTANT: When finishing your firebox, combustible materials such as wall board, gypsum board, sheet rock, drywall, plywood, etc. may be butted up next to the sides and top of the firebox. Combustible materials should never overlap the firebox front facing.

WARNING: Do not allow any combustible materials to overlap the firebox front facing.

IMPORTANT: Noncombustible materials such as brick, tile, etc. may overlap the front facing, but should never cover any necessary openings like louvered slots.

WARNING: Do not allow noncombustible materials to cover any necessary openings like louvered slots.

WARNING: Use only non-combustible mortar or adhesives when overlapping the front facing with noncombustible facing material.

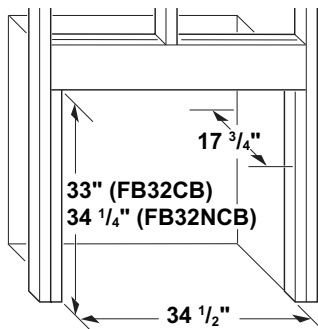


Figure 18 - Rough Opening for Installing in Wall

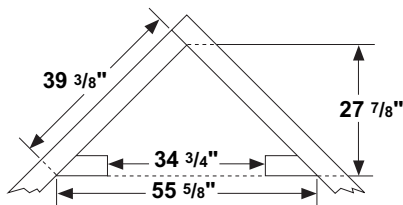


Figure 19 - Rough Opening for Installing in Corner

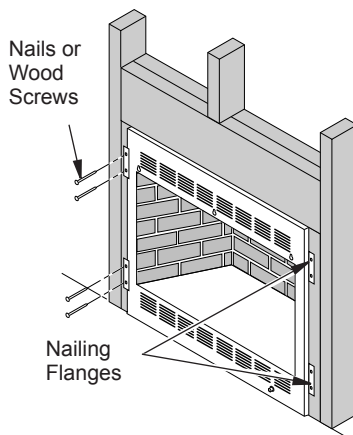
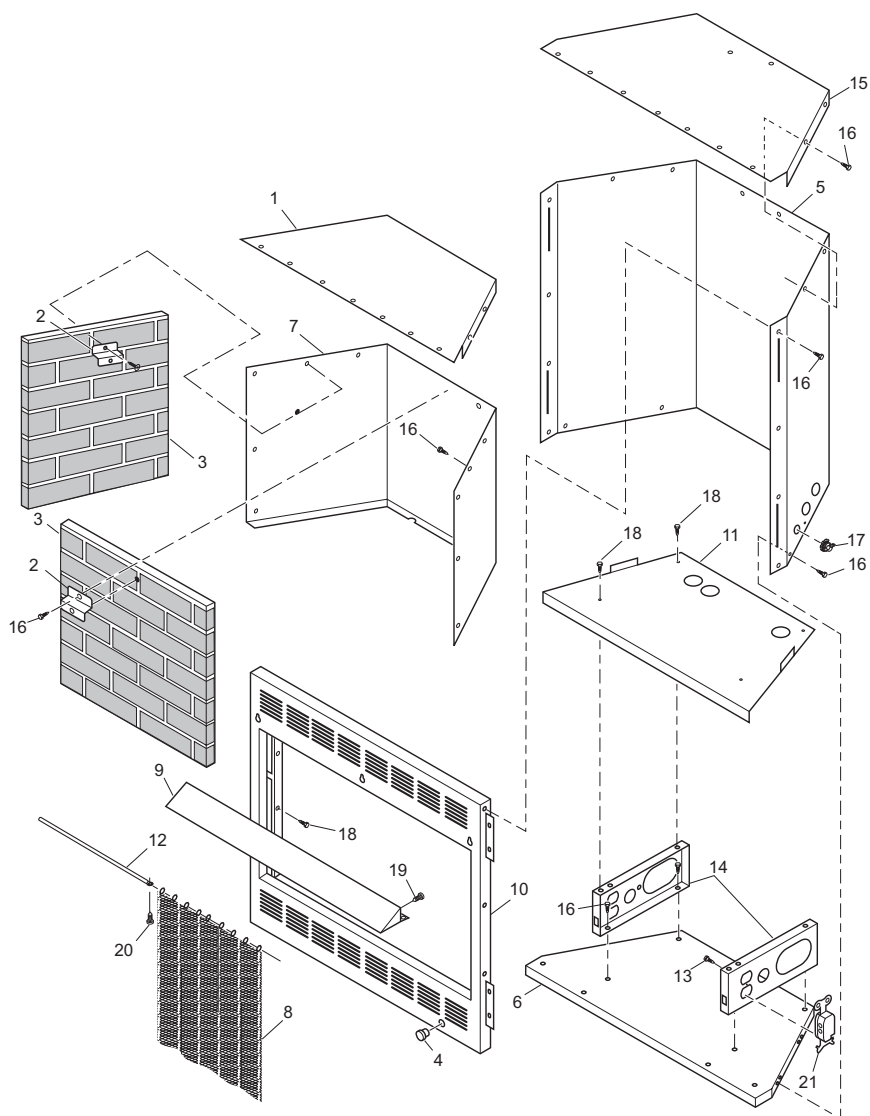


Figure 20 - Attaching Firebox to Wall Studs

PARTS

MODEL FB32CB



PARTS

MODEL FB32CB

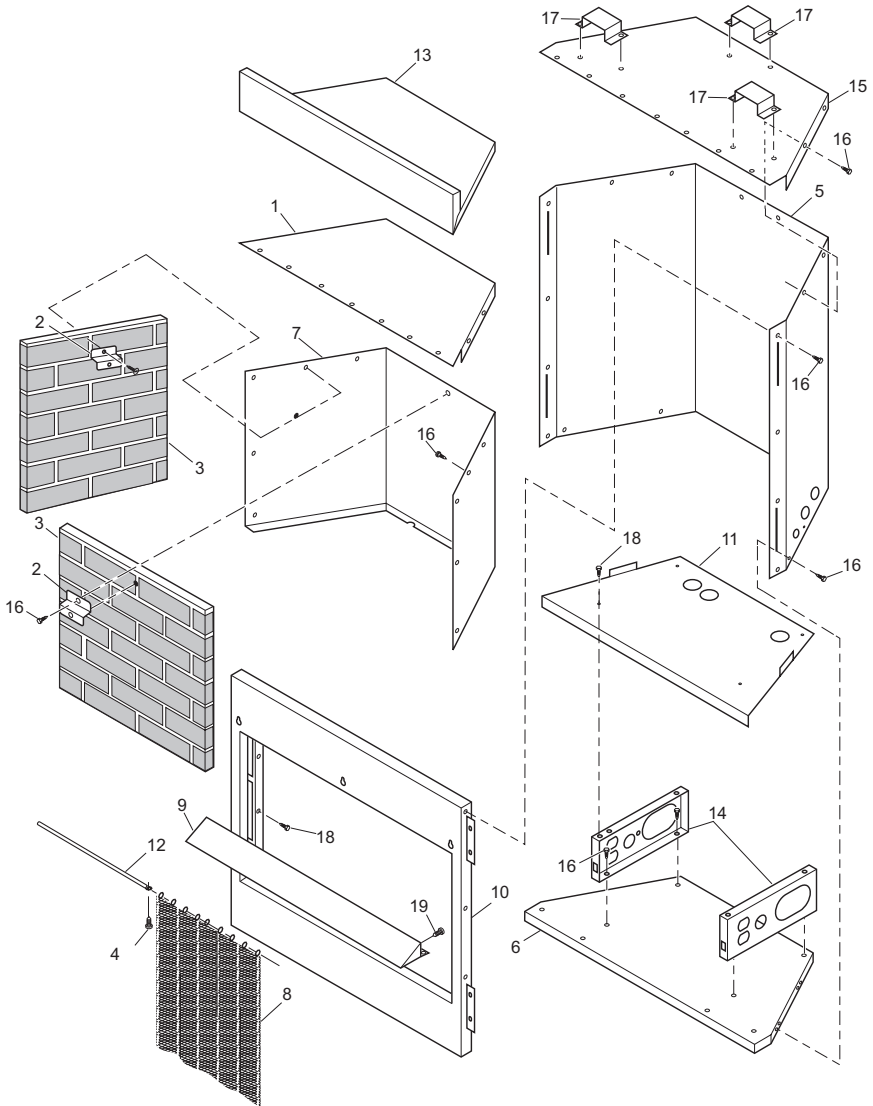
This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under Replacement Parts on page 18 of this manual.

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	101872-03	Firebox Top	1
2	101889-01	Firebrick Retainer	3
3	117538-01	Firebrick Kit	1
4	103457-01	Button Plug	1
5	103207-01	Outer Casing	1
6	**	Outer Shell Base	1
7	**	Firebox Wrapper	1
8	103297-01	Assembly Screen	2
9	103217-01CK	Hood	1
10	103773-01	Front Assembly	1
11	**	Firebox Bottom	1
12	103809-01	Screen Rod	2
13	M12461-2	Screw, Outlet Mounting	1
14	**	Firebox Support	2
15	101357-03	Outer Casing Top	1
16	M11084-26	Hex Head Screw, #10-16	49
17	103771-01	Strain Relief Fitting	1
18	098304-01	Phillips Pan Head Screw, #10	13
19	099230-01	Hex Head Screw	3
20	099230-02	Shoulder Screw	2
21	GA3555	Duplex Outlet	1

** Not a field replaceable part.

PARTS

MODEL FB32NCB



PARTS

MODEL FB32NCB

This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under Replacement Parts on page 18 of this manual.

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	101872-03	Firebox Top	1
2	101889-01	Firebrick Retainer	3
3	117538-01	Firebrick Kit	1
4	099230-02	Shoulder Screw	2
5	103207-01	Outer Casing	1
6	**	Outer Shell Base	1
7	**	Firebox Wrapper	1
8	103297-01	Assembly Screen	2
9	103217-01CK	Hood	1
10	103773-02	Front Assembly	1
11	**	Firebox Bottom	1
12	103809-01	Screen Rod	2
13	103816-01	Firebox Insulation	1
14	**	Firebox Support	2
15	101357-03	Outer Casing Top	1
16	M11084-26	Hex Head Screw, #10-16	49
17	098194-02	Stand Off	3
18	098304-01	Phillips Pan Head Screw, #10	11
19	099230-01	Hex Head Screw	3

** Not a field replaceable part.

REPLACEMENT PARTS

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

PARTS UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement part(s), call DESA Heating, LLC at 1-866-672-6040. When calling DESA Heating, LLC, have ready:

- your name
- your address
- model and serial numbers of your heater
- how heater was malfunctioning
- purchase date

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

PARTS NOT UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement part(s), call DESA Heating, LLC at 1-866-672-6040 for referral information. A list of authorized dealers can be found by visiting **www.desatech.com**. When calling DESA Heating, LLC, have ready:

- model and serial numbers of your heater
- the replacement part number

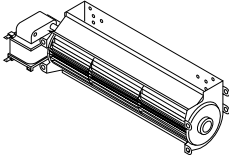
TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact DESA Heating, LLC at 1-866-672-6040. When calling please have your model and serial numbers of your heater ready.

You can also visit DESA Heating, LLC's web site at **www.desatech.com**.

ACCESSORIES

Purchase these accessories from your local dealer. If they can not supply these accessories call DESA Heating, LLC at 1-866-672-6040 for information. You can also write to the address listed on the back page of this manual.



BLOWER ACCESSORY - GA3750A

For use with Model FB32CB only. The variable speed blower allows you to select the desired speed. The blower circulates heated air from the fireplace into the room.

WALL CABINET MANTEL AND BASE ACCESSORY WITH BLACK PERIMETER TRIM

W32AU - Unfinished, Traditional Design

W32AOS - Light Oak Finish, Traditional Design

CMA311W - Painted White, Traditional Design with Dentil Molding

CMA306FA - Light Oak Finish, Traditional Design with Dentil Molding

CMA312FB - Red Oak Finish, Classic Design

W32KPA - Painted White, Neo-Classical Design

CMA305UA - Unfinished, Georgian Design with Columns

GMC90FA - Light Oak Finish, Georgian Design with Columns

W32DS - Red Oak Finish, Keystone Design

W32GOSA - Dark Oak Finish, Mission Design

W32IP - Painted White, Ultra/Click-n-Brick Surround

CORNER CABINET MANTEL WITH BASE AND BLACK PERIMETER TRIM

C32AU - Unfinished, Traditional Design

C32AOS - Light Oak Finish, Traditional Design

C32HS - Dark Oak Finish, Classic Design
Ideal for space saving installations.

PERIMETER TRIM ACCESSORY

PT32 - Black

PT32B - Brushed Brass

PT32PB - Polished Brass

PT32P - Platinum

Perimeter trim kit included with all mantel accessories. Optional with built-in installation. Provides a finished appearance covering rough and/or unfinished mantel edges.

BRASS HOOD ACCESSORY - GA6096

Decorative polished brass hood enhances the appearance of the firebox.

BRICK LINER ACCESSORY

HFL301 - Aged Red Standard Brick

HFL310 - Aged Almond Herringbone Brick

HFL311 - Aged Red Herringbone Brick

WARRANTY

KEEP THIS WARRANTY

Model (located on product or identification tag) _____

Serial No. (located on product or identification tag) _____

Date Purchased _____

Keep receipt for warranty verification.

DESA HEATING, LLC LIMITED WARRANTIES

New Products

Standard Warranty: DESA Heating, LLC warrants this new product and any parts thereof to be free from defects in material and workmanship for a period of four (4) years from the date of first purchase from an authorized dealer provided the product has been installed, maintained and operated in accordance with DESA Heating, LLC's warnings and instructions.

For products purchased for commercial, industrial or rental usage, this warranty is limited to 90 days from the date of first purchase.

Factory Reconditioned Products

Limited Warranty: DESA Heating, LLC warrants factory reconditioned products and any parts thereof to be free from defects in material and workmanship for 30 days from the date of first purchase from an authorized dealer provided the product has been installed, maintained and operated in accordance with DESA Heating, LLC's warnings and instructions.

Terms Common to All Warranties

The following terms apply to all of the above warranties:

Always specify model number and serial number when contacting the manufacturer. To make a claim under this warranty the bill of sale or other proof of purchase must be presented.

This warranty is extended only to the original retail purchaser when purchased from an authorized dealer, and only when installed by a qualified installer in accordance with all local codes and instructions furnished with this product.

This warranty covers the cost of part(s) required to restore this product to proper operating condition and an allowance for labor when provided by a DESA Heating, LLC Authorized Service Center or a provider approved by DESA Heating, LLC. Warranty parts must be obtained through authorized dealers of this product and/or DESA Heating, LLC who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty.

Travel, handling, transportation, diagnostic, material, labor and incidental costs associated with warranty repairs, unless expressly covered by this warranty, are not reimbursable under this warranty and are the responsibility of the owner.

Excluded from this warranty are products or parts that fail or become damaged due to misuse, accidents, improper installation, lack of proper maintenance, tampering, or alteration(s).

This is DESA Heating, LLC's exclusive warranty, and to the full extent allowed by law; this express warranty excludes any and all other warranties, express or implied, written or verbal and limits the duration of any and all implied warranties, including warranties of merchantability and fitness for a particular purpose to four (4) years on new products and 30 days on factory reconditioned products from the date of first purchase. DESA Heating, LLC makes no other warranties regarding this product.

DESA Heating, LLC's liability is limited to the purchase price of the product, and DESA Heating, LLC shall not be liable for any other damages whatsoever under any circumstances including indirect, incidental, or consequential damages.

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

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

For information about this warranty contact:



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NOT A UPC



DESA Heating, LLC
2701 Industrial Drive
Bowling Green, KY 42101
www.desatech.com
1-866-672-6040

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