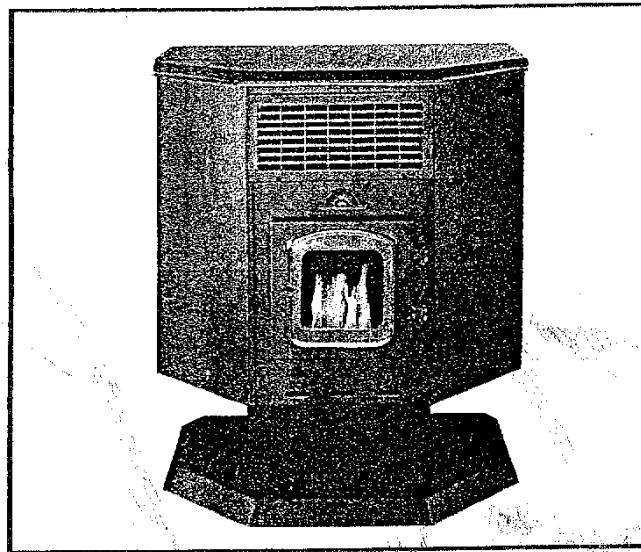


CANECO MFG. INC

## OPERATION AND INSTALLATION MANUAL FOR MODEL EN-5775



Model 5775

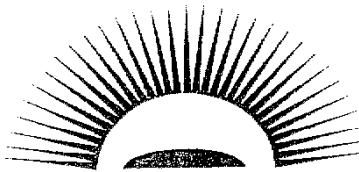
### **ATTENTION**

**Carefully read all instructions for safe operation.**

Save these instructions for future reference.

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## Safety Notice

Read All the instructions in this Operation Manual before installing your EN-5775 Heater.

While this unit has passed all safety requirements, improper installation can cause fire. For your safety, follow the installation instructions CAREFULLY. Contact your local building or fire officials about restrictions and installation requirements in your area.

The manufacturer assumes no responsibility for equipment installed in violation of either this manual or local codes and ordinances.

Use ONLY clean Dry CORN Kernels for fuel. NEVER start a fire in the unit without Burner Box in place.

Heating unit configuration is subject to change by the manufacturer.

### Warning

NEVER use gasoline-type fuels, lantern fuels, kerosene, diesel fuel or similar fuels to start a fire. Keep all such flammable liquids away from the unit while in use.

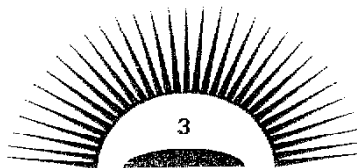
Inspect and clean vents. Inspection should be conducted once per month during the heating season.

### Notice

Install smoke detectors near the unit and store a fire extinguisher rated for Class 'A' fires nearby.

During the first start-up of the unit, 'curing' of the heat exchanger and paint will occur resulting in some initial smoke and odor for a short period.

DO NOT connect stove flue to a chimney flue serving another appliance.

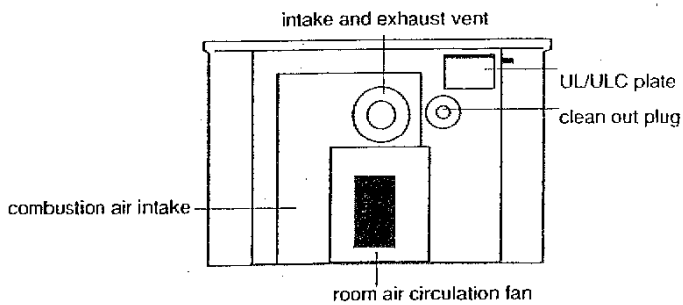


# Specifications

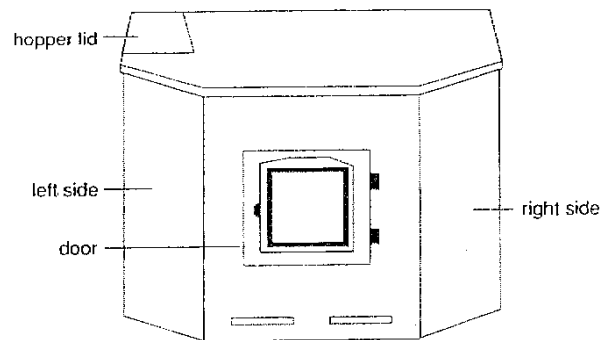
Model 5775	
Height	29.0" without base
Width	32.5"
Depth	26.0"
Flue Size	3.0"
Weight	310 lb without base
Internal Heat Exchange Surface	2184 sq. in.
Maximum Capacity	60,000 BTU / hr.
Options	11" Pedestal Base Hopper Extension
Available Colours	Black / Green
Electric Rating	120 V / 60 hz / 2.5 amps

Specifications are subject to change without notice.

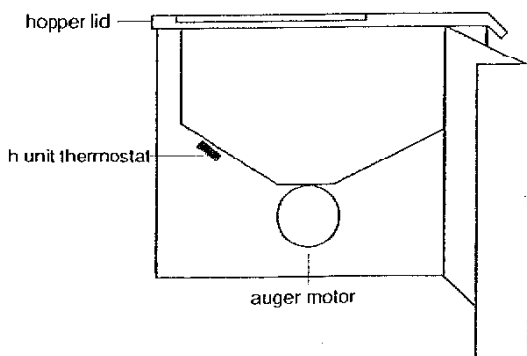
BACK VIEW



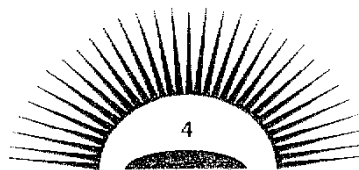
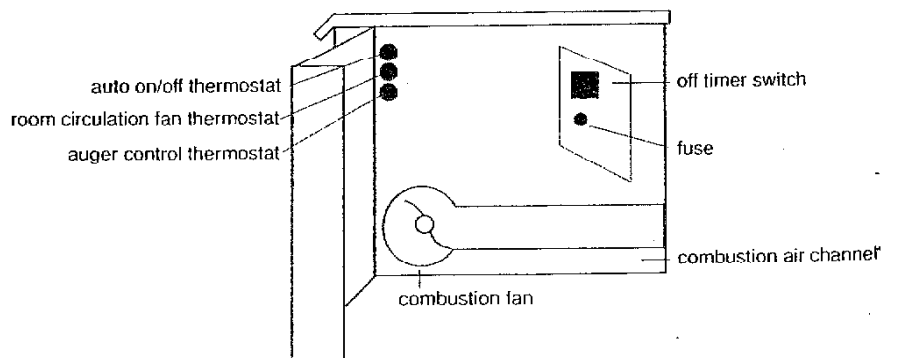
FRONT VIEW



LEFT SIDE



RIGHT SIDE



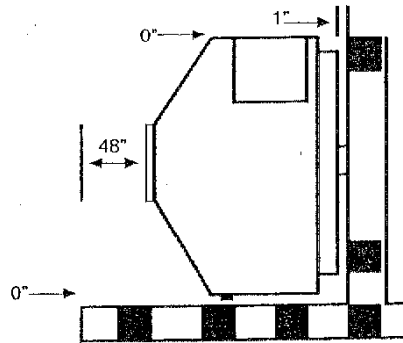
# Installation

## Location

The EN-5775 should be located near an outside wall if a direct venting pipe system will be used. It should be well centralized with respect to heat distribution. Set heater on a non-combustible floor. To level the heater, adjust the four leveling bolts on the bottom corners of the heater.

### Minimum clearances to combustibles

SIDES	0" / 0 cm
REAR	1" / 2.5 cm
FRONT	48" / 122 cm
ABOVE	60" / 152 cm
FLOOR	Combustible

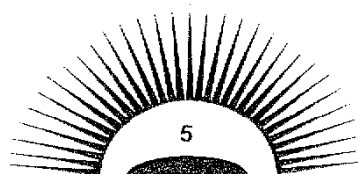
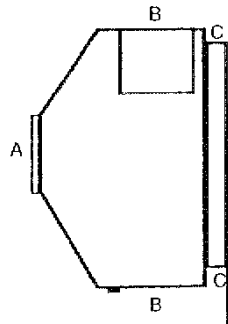


## Floor Protector Material

Use any non combustible material of any thickness and K factor. The floor protector must extend 16" to the front from the load door (A) and 8" from the left and right sides (B). It must also extend under the chimney connector and 2" to either side (C).

Floor protector not required in Canada.

A - 16" B - 8" C - 2"



# Installations

## Warning

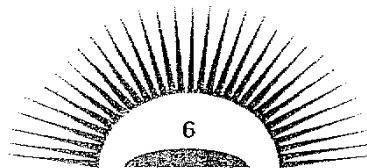
When passing through walls, make sure that you do not interfere with wiring or pipes.

Vent the unit through the component provided by the Manufacturer.

### DO NOT locate the vent termination:

1. Within 1.8 metre (6.0 ft.) of a mechanical air supply inlet in the building.
2. Above a gas meter/regulator within 900mm (3.0 ft.) horizontally of the vertical center line of the regulator.
3. Within 1.8 metre (6.0 ft.) of a gas service regulator vent outlet.
4. Less than 300mm (1.0 ft.) above grade.
5. Within 1metre (3.3 ft.) of a building opening or air inlet of another appliance.
6. Within 1metre (3.3ft.) of a property boundary.

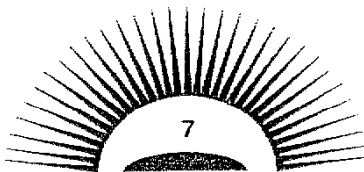
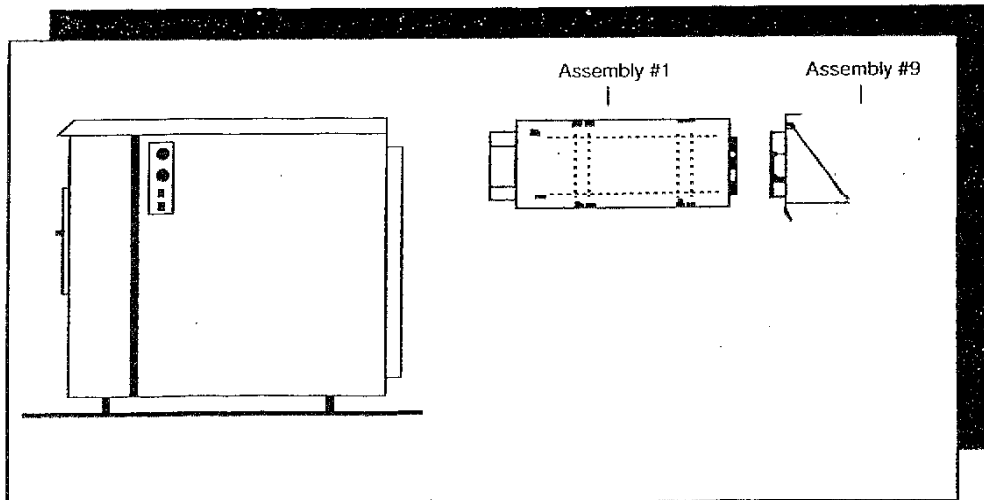
NEVER CONNECT HEATER FLUE TO A CHIMNEY  
FLUE SERVING ANOTHER APPLIANCE



## Horizontal Vent Installation

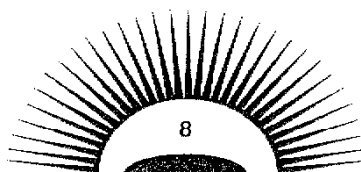
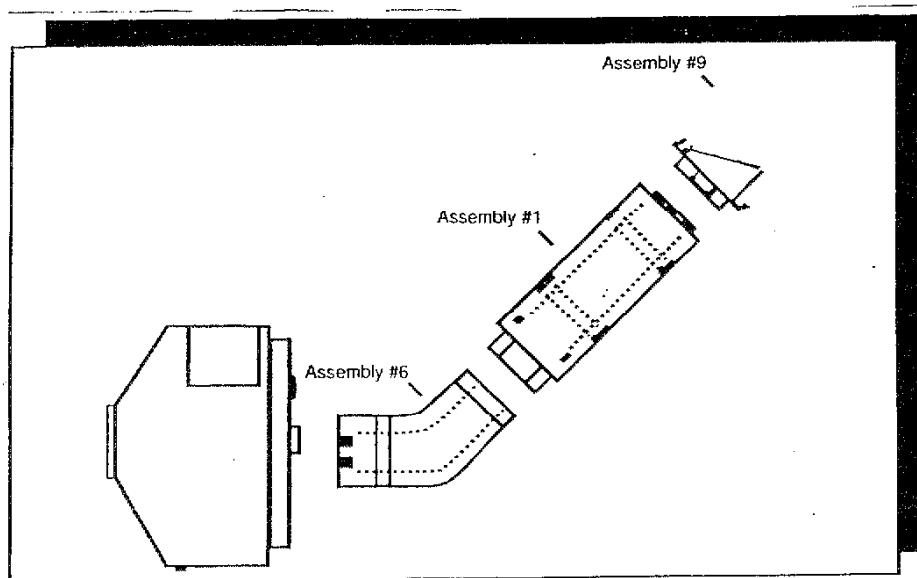
Use ONLY zero-clearance, direct vent pipe kit for this type of installation available from your dealer.

1. Inspect location inside of home and check outside where pipe will be passing through the wall for any obstructions that may prevent proper exhausting.
2. Position stove in area to be installed.
3. Place starter pipe – Exhaust Assembly #1 – on exhaust outlet.
4. With starter pipe pointed to wall, mark center of the 6 inch hole to be cut.
5. Cut hole in the wall, be careful not to cut through wall studs or electrical wiring.
6. Place Exhaust Assembly #1 through wall.
7. Install spark arrestor – Exhaust Assembly #9 – placing mesh screen in exhaust pipe.
8. Caulk around intake pipe and wall to seal pipe and wall opening.



Use ONLY zero-clearance, direct vent pipe kit for this type of installation available from your dealer.

1. Inspect location inside of home and check outside where pipe will be passing through the wall for any obstructions that may prevent proper exhausting.
2. Position stove in area to be installed.
3. Place Starter Pipe – Exhaust Assembly #6 – on exhaust outlet.
4. With starter pipe pointed to wall, mark center of the 6-inch hole to be cut.
5. Cut hole in the wall and be careful not to cut through wall studs or electrical wiring.
6. Another hole is cut, use Exhaust Assembly #1 and slide pipe through wall from outside and on to starter pipe and intake pipe.  
*NOTE: Starter Pipe length may have to be altered to properly fit the Exhaust and Intake Pipe.*
7. Install spark arrestor – Exhaust Assembly #9 – placing mesh screen in exhaust pipe.
8. Caulk around intake pipe and wall to seal pipe and wall opening.

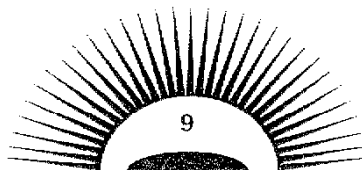


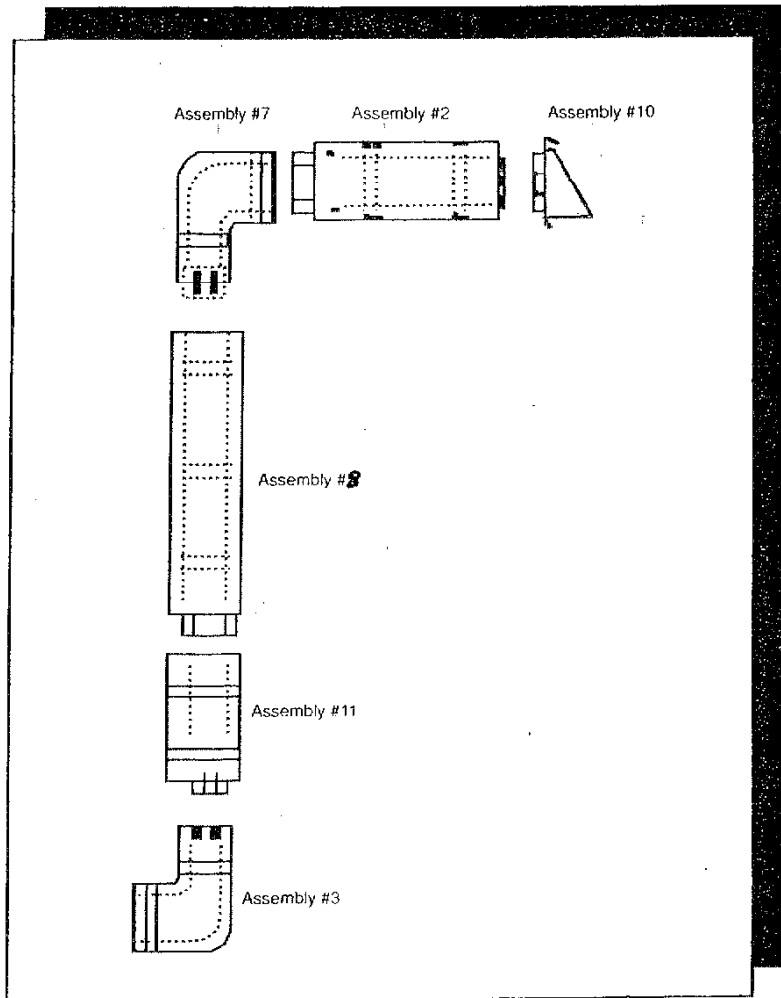


# Vertical Vent Installation

Use **ONLY** zero-clearance, direct vent pipe kit for this type of installation available from your dealer.

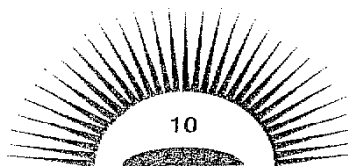
1. Inspect location inside of home and check outside where pipe will be passing through the wall for any obstructions that may prevent proper exhausting.
2. Position stove in area to be installed.
3. Position Starter Exhaust Assembly #3 on exhaust outlet of unit.
4. Use a plum-bob at the location where the exhaust is to exit the unit. When this is line-up with the center of the exhaust pipe, it will form a perpendicular line for your exhaust. Mark the center with a 6 inch exhaust hole.
5. Cut a 6 inch hole and be careful not to cut through studs or wiring.
6. Place Spacer over Starter Pipe.
7. Place Exhaust Assembly #11 on to Exhaust Assembly #3, securing the exhaust pipes with tek screws.
8. Place Exhaust Assembly #8 on to Exhaust Assembly #11, securing with tek screws. Keep adding Exhaust Assemblies necessary to reach the exhaust exit height.
9. At the desired height, hold Exhaust Assembly #7 against wall and mark the 6 inch exit hole. Mark the vertical exhaust pipe to determine if any trimming is required.
10. Fit Exhaust Assembly #7 to Exhaust Assembly #8 and fasten exhaust pipe with tek screws.
11. Slide Exhaust Assembly #2 though hole in wall and fit Exhaust Assembly #2 to Exhaust Assembly #7. Fasten exhaust pipes with tek screws. Trim Exhaust Assembly #2 to fit.
12. Install spark arrestor, Exhaust Assembly #10 by placing mesh screen in exhaust pipe.
13. Caulk around intake pipe #024 and wall to seal pipe and wall opening.





## Vertical Exhausting Installation

Use ONLY CANECO supplied vent.  
DO NOT use Type 'B' or Type 'L' vent.



# Operating Instructions

## Controls and Indicators

### Power Switch

The unit contains a three-position, rocker-type switch.

**ON:** Turns on the heater combustion air blower and energizes the heater electrical system.

**OFF:** Turns the power off to the electrical systems of the heater.  
*Exception: The room air circulation blower is thermostatically controlled.*

**AUTO OFF:** Applies main electrical power to an "Auto Off" thermostat switch. Function is used when shutting down unit.

### Fuel Feed

This is a rotary on-off switch and fuel feed combination.

When set to OFF (turned to maximum left position), the switch turns off power to the auger motor. This prevents fuel feeding to the burner box.

When turned to the right, from the OFF position, the switch is turned ON and supplies power to the auger motor.

Turning further to the right (0 to 10) causes the auger motor to increase the fuel amount being delivered to the burner box.

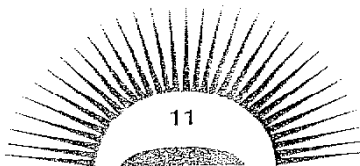
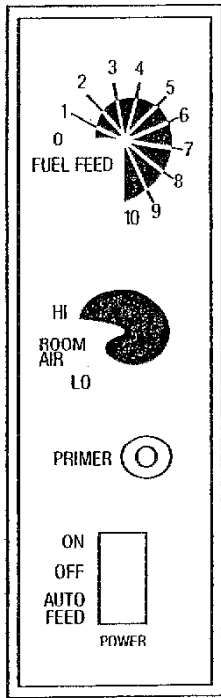
### Room Air

This is a rotary switch which controls the speed of air flow that circulates through the heat exchanger.

### Prime

This is a push-button switch that is normally in the OFF position when the button is not pressed.

This control is used when the hopper is completely out of fuel. Fill the hopper by pressing the Fuel button and holding the Prime button until the grain fuel falls into burner box. Release button and auger is primed for operation.



# Operation Procedures

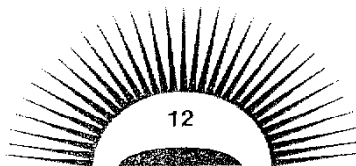
## Start-up Procedures

1. Plug power cord into a properly grounded 115V AC receptacle.
2. Open hopper lid and fill with fuel to desired level. Close the lid.
3. Prime auger, if necessary. Refer to PRIME.
4. Open fire box door and remove the burner box from the within the firebox.
5. Fill burner box level full with starter fuel.
6. Return burner box into fire box. Ensure the box is in its proper position with the combustion air intake opening aligned with the combustion air pipe and positioned against the fire box wall, and is centered with the fuel drop chute.
7. Light starter. (You may choose to use a commercially available catalyst. Follow manufacturer's directions.)
8. Close and latch the fire box door tightly. Set power switch to ON position.
9. Adjust fuel feed to desired setting. Refer to FUEL FEED.
10. When the heat exchanger reaches its operating temperature (about 5 to 10 minutes), the auger will start feeding fuel into the burner box. The room air blower will activate within this time frame. (Both functions are thermostatically controlled).

*NOTE: If fire seems to be diminishing before auger begins feeding fuel, use the Prime button to add fuel until heat exchanger temperature rises to its operating value.*

## Shut Down Procedure

1. Turn fuel feed control to OFF position.
2. Set power switch to AUTO-OFF position.



# Maintenance

## Cleaning the Burner Box

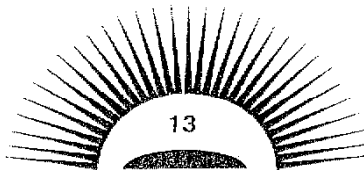
1. Turn fuel feed to OFF position.
2. Wait until heater shuts down and cools off.
3. Open fire box door and remove burner box. Empty ashes into a metal container. The container should be stored on a surface that is non-combustible, and away from combustible materials.
4. Re-install the burner box, ensuring that the burner is pushed back tight against the rear of the fire box wall.

## Removing the "Clinker"

1. During the combustion of grain fuel, what is known as a "clinker" will form in the bottom of the burner box. A "clinker" is best described as fused ash, almost glassy in appearance, conforming to the shape of the bottom of the box (always square). If not removed, it will eventually extinguish the fire.
2. For best results, remove the clinker after every 12 hours of use. This can be accomplished while a fire is burning. However, it must be done quickly (about a minute) to restore fuel and air to fire box.
3. Turn power switch to OFF position and open door.
4. Place point of clinker tool on the right side of spreader bar assembly, then lift assembly off to the left side of fire box.
5. Remove clinker by placing point of clinker tool in the left from corner of the burner box. Push down to bottom of box, making sure that the tool point slips underneath clinker.

Turn clinker upright so that the burnable ashes and grain fuel fall off the top of the clinker. Lift and push clinker out of the burner box and into ash pan.

6. Restore spreader bar assembly back into position. Close door and turn power switch to ON position.



# Heat Exchanger Cleaning

DO NOT PERFORM FOLLOWING INSTRUCTIONS UNTIL UNIT HAS BEEN SHUT DOWN AND HAS COMPLETELY COOLED OFF.

1. Open fire box door and remove burner assembly.
2. Use the brush supplied with unit. Insert into and through to the end of the heat exchanger tube. Twist and shake to loosen fresh, built-up ash.
3. Remove brush and repeat process with each heat exchanger tube.
4. Vacuum ashes out of fire box and at each tube opening inside the fire box.
5. Restore burner box assembly and close fire box door.
6. Remove clean-out plug located at back of unit.
7. Vacuum ash and debris
8. Restore plug.

**IMPORTANT:** Use high temperature lubricant on threads of clean-out plug.

## Glass Door Cleaning

Wipe glass clean with a dry paper towel.

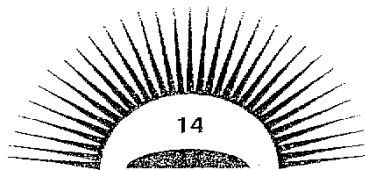
**CAUTION:** Heat from the fire will not break the glass. However, the glass door should be handled as any breakable glass. Rough handling may cause damage.

## Blowers

**CAUTION:** Always disconnect power supply before servicing the blowers or working with the unit for any reason. This is especially important with units equipped with automatic reset thermal protection.

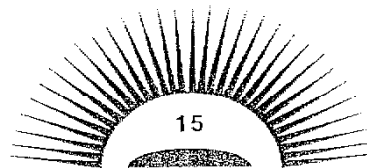
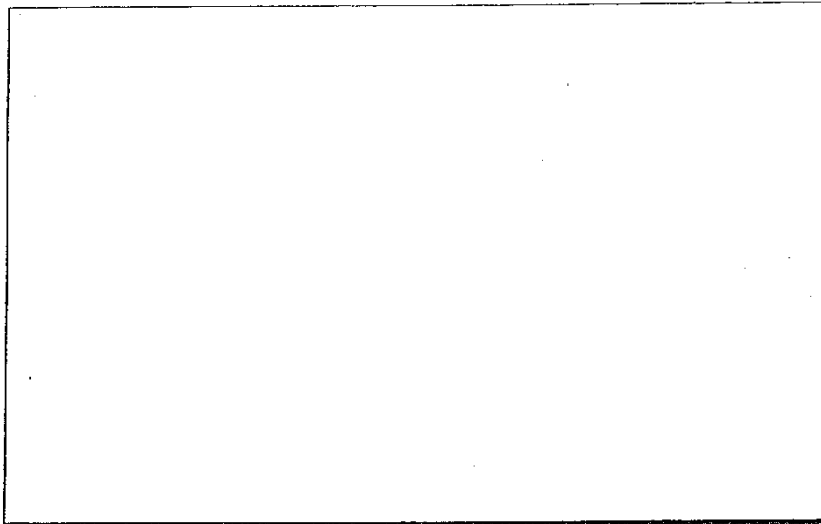
## Lubrication

The motor bearings should be lubricated every 6 months with drops of SAE 10W or 20W non-detergent oil (ML-type) or with electric motor oil.



## Trouble Shooting

If after carefully reading your Manual, you are having any problems with the installation or maintenance of your Unit, call your dealer.



# Limited Warranty

## Warranty

### Read Carefully

### This Warranty is Not Transferable

For the period of the first one (1) year from the date of purchase, CANECO MFG. Inc. will replace or repair, at its option, any part defective in materials or workmanship affecting the operation of the heating systems under the warranty. The warranty does not include labor costs or transportation charges.

The warranty does not cover the following: standard brass, glass, gasket material or any damage and/ or failure caused by abuse or improper use of improper installation of the product covered, or transportation to and from the warranty site.

## Procedures

Should you feel your heating system is defective, please contact your dealer who will instruct you on the proper warranty procedure.

**CANECO Manufacturing Inc**

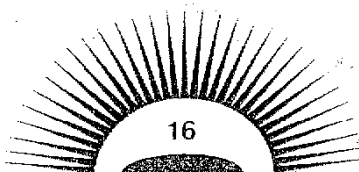
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