

# ENTERPRISE NIGHT HAWK WOOD HEATERS



## OWNERS MANUAL



The Night Hawk offers smart, contemporary styling on the outside, old-fashioned cast iron and steel on the inside, and up-to-the-minute heating efficiency throughout. As the main heating system or as an auxiliary source, it can easily heat 1200 to 1400 Sq. Ft. of space.

### INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS:

Read these instructions carefully. Consult your local authorities concerning local fire safety regulations, and to determine the need to obtain a permit. Installation must be made in accordance with the Local, Provincial or State codes in your area which may differ from this manual. Always comply with the most severe application. Proper installation and use will ensure safe and satisfactory performance. Improper installation or use could result in voiding your warranty.



**ENTERPRISE FAWCETT**

Making Wood Stoves Since 1852

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E4L 4A2

We reserve the right to make improvements and design modifications without notification.

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Fax: 506-536-1820  
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## **INSTALLATION:**

When moving or lifting this heater, lift from the base not by the top.

## **DRAFT AND CHIMNEY CONNECTIONS:**

The heater must be located as close to the chimney as possible. Before installing, test the chimney to be sure it is clean, in good condition and produces a good draft (.06). The chimney should extend at least two feet higher than the highest point of the roof, otherwise there may be a down draft.

## **IMPORTANT:**

Connect this appliance to one of the following chimneys:

- A masonry chimney conforming to provincial regulations or in the absence of such regulations, to the requirements of the National Building Code.
- A factory built chimney, conforming to the requirements of ULC S629 Standard for 650°C (1200°F) factory built chimneys
- This appliance will not be connected to a chimney or flue already serving a fireplace or incinerator.
- The heater should be connected to the chimney with new heavy pipe, the joints of which should be fastened with sheet metal screws. Never use less than 6" diameter pipe. Be sure that it has an upward, never downward slope to the chimney. Crimped end of smoke pipe should be towards the heater.
- If necessary to use more than one elbow, use 45 degree rather than conventional 90 degrees.

## **LOCATING HEATER:**

- Locate the Night Hawk heater in a main living area. Large open areas are easier to heat than small rooms with poor air circulation. Do not locate the Night Hawk heater near an exit.
- This appliance will not be installed in a mobile home.

## **MINIMUM CLEARANCES:**

Above: 48" (122 cm)

Front: 36" (91 cm)

Left Side: 12" (30 cm)

Right Side: 48" (122 cm) (loading door)

Rear: 18" (46 cm)

Smoke Pipe: 18" (46 cm)

Floor: combustible with minimum 9/32" thick non-combustible cover 8" beyond heater sides and 18" at fire door.

FOR REDUCED INSTALLATION CLEARANCES REFER TO THE CSA STANDARD CAN 3B365-M84, INSTALLATION CODE FOR SOLID FUEL BURNING APPLIANCES AND EQUIPMENT.

## **OPERATING:**

**NOTE:** Do not use any chemicals or other fluids to start a fire in this heater. Do not burn garbage, gasoline, naphtha, engine oil or saltwater driftwood at any time.

- The Night Hawk is designed to burn all types of wood and is not recommended for any other fuels.
- The Night Hawk is constructed of steel and heavy cast iron. In order to properly season the heavy castings, it is recommended that the first three or four fires be of low intensity.
- **You must place 1 to 2 inches of salt free sand evenly across the base of the firebox to help insulate the cast iron bottom.**
- Before lighting a fire be sure the chimney or smoke pipe is high enough to give sufficient draft. Also remember to keep the smoke pipe clean to avoid a flue blockage.
- The wire grill will support heavy utensils if required, but can easily be removed to expose two special high intensity heating covers. These covers have fins on the firebox side and therefore remain hotter than the surrounding surface and are ideal for cooking.
- A powerful, quiet, manually controlled fan assembly, Model No. 307 can be easily assembled on the back of the heater cabinet and will gently circulate warm air through the front mesh and the bottom front opening and across the floor for greater comfort.
- Shovel and scraper are fastened inside the rear of the cabinet and the poker is fastened under the cabinet for shipping.

### **CHIMNEY FIRE:**

Have a clearly understood plan on how to handle a chimney fire.

- Close all supply of combustion air to the flue.
- Do not attempt to remove the smoke pipe.
- Call the fire department.
- Inspect the appliance, smoke pipe and chimney before restoring system to use, by a qualified installer.

### **NOTE:**

- Check appliance, smoke pipe and chimney daily until experience shows how often a cleaning is necessary.
- Be aware that the hotter the fire the less creosote is deposited, a monthly cleaning may be sufficient in cold weather where as in warm weather, it may be necessary to clean the smoke pipe more frequently.
- The flue products can contain carbon monoxide, particularly when the fire is being starved for air (made to burn at a slower rate). Vent pipes should have a relatively gas-tight secure engagement. A small intense fire is preferable to a large smoldering one, this reduces the amount of creosote.

### **STARTING A FIRE:**

- Open the lower draft wheel (primary air) on the front of the heater below the fire door. The top wheel (secondary air) on the fire door should be closed.
- Damper in smoke pipe should be in the open position.
- Place crumpled newspaper in the stove.
- Next lay kindling in a crisscrossed pattern over the paper.
- Light the fire and close the door.
- As the fire begins to burn, add small pieces of dry wood. Once the fire is burning brightly, add larger pieces of dry wood.
- It is a good idea to always let the fire burn brightly for a short time when starting, to raise the temperature of the fire sufficiently to easily ignite the main fuel body when added.

- Maximum height of the main fuel body should not be higher than the top of the firebox linings.
- When the main fuel body is well ignited, open secondary wheel (on door) to control the rate of burning by introducing heated secondary air to attain increased efficiency. Close the primary air wheel (below the fire door). The smoke pipe damper may be partially closed to control an extreme chimney draft.

### **CLEANING:**

For best results approximately 1 ½” of ash should remain on the floor of the firebox. Excess ash should be removed as part of a regular cleaning procedure. Ash should be placed in a steel container with a tight fitting lid and removed to the outdoors immediately. No other waste should be placed in this container.

Frequent inspection of the firebox and smoke pipe will reveal the need for frequency of cleaning these parts of the heater. Slow burning fires generally create more creosote and ash therefore, the heater will require more frequent cleaning than when hotter, brighter fires are used.

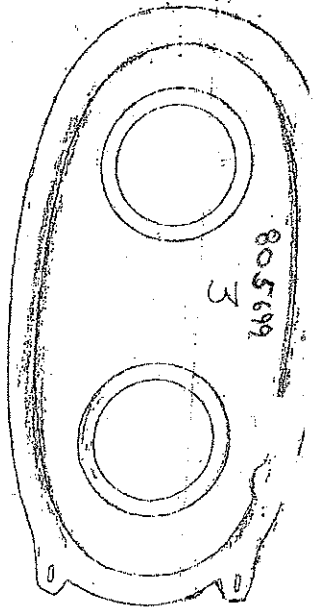
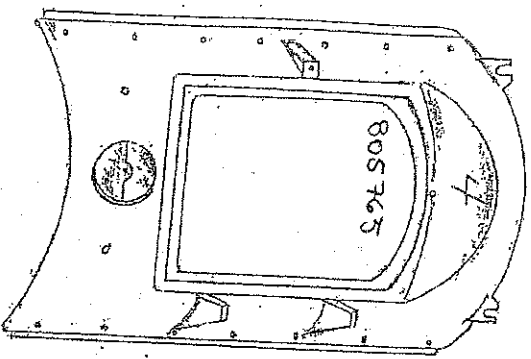
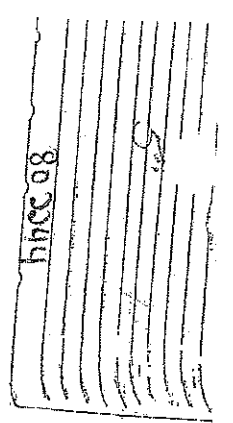
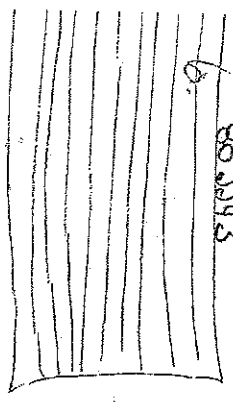
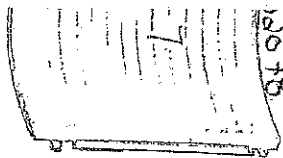
Care should be taken to make sure that the gasket on the fire door is not damaged, for efficiency and safety reasons any damage to the gasket must be repaired immediately.

### **TROUBLE SHOOTING TIPS:**

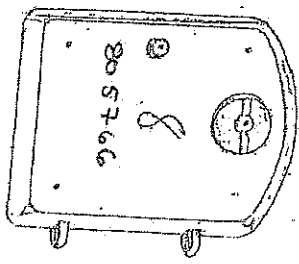
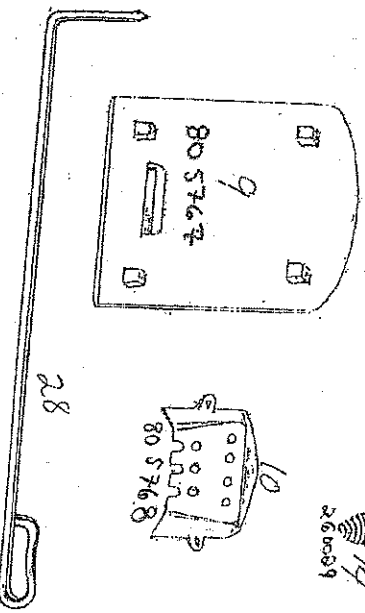
- Insufficient chimney draft, (a low chimney top outlet or overhanging trees may cause down drafts)
- Chimney flue opening is too small for the size of pipe used.
- Pipe may be inserted too far into flue opening.
- Pipe may be obstructed with soot.
- More than one flue connected to the chimney with the flue openings directly opposite.
- Incorrect operation of the damper when adding fuel to the fire. Make sure that the damper in the pipe is open.
- Insufficient fresh air – open a window to provide a better draft.

## 90NH - Wood Heater

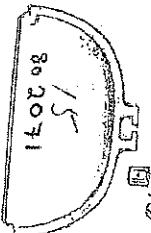
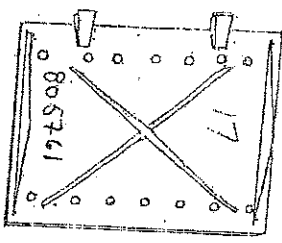
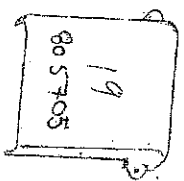
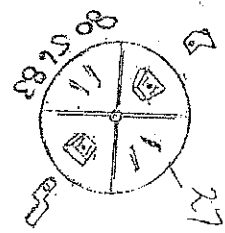
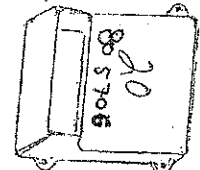
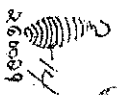
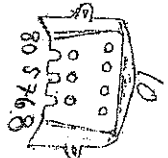
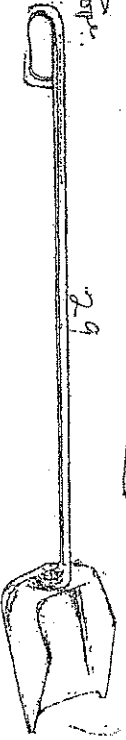
<u>Part #</u>	<u>Description</u>
18180	Damper- Cast Iron 6"
309204	Compression Spring
802071	Smoke Curtain
802078	Back Lining
802092	Smoke Curtain Clamp
802243	Left Side Lining
802244	Right Side Lining
804862	Thermostat Draft Door
805554	Pipe Collar
805683	Wheel Drafts
805693	Finn Covers 7"
805699	Main Top
805702	Feed Door Handle
805705	Thermostat Draft Frame (inside)
805706	Thermostat Draft Frame (outside)
805761	Smoke Baffle
805762	Smoke Baffle Lug
805765	Feed Door Frame
805766	Feed Door
805767	Feed Door Lining
805768	Draft Door Shutter



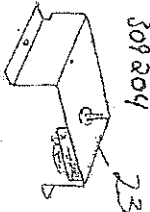
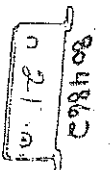
3 1/4" Cassette Corp.



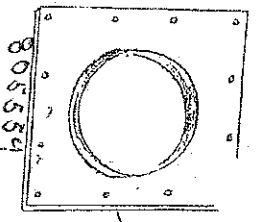
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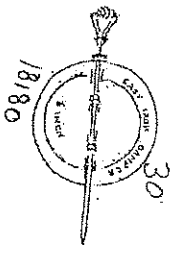
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309204



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Knob-25

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