Restarting After Extended or Overnight Burns

1. Open door and rake hot embers towards the front of the heater. Add a couple of dry, split logs on top of embers, close door.
2. Adjust air control to "H" (Start) position and in just a few minutes, logs should begin burning.
3. After wood has charred, reset air control to desired setting.
4. To achieve maximum firing rate, set control to high. Do not use this setting other than for starting or preheating fresh fuel loads.

DO NOT OVERFIRE THIS HEATER: Attempts to achieve heat output rates that exceed heater design specifications can result in permanent damage to the heater and chimney.

Heat Output Calculation

Seasoned wood has approximately 7500 BTU's per pound.

The calculation is as follows:

$$\frac{\text{Amount of wood in lbs. X 7500BTU's}}{\text{Burn rate in Hrs.}} \text{ X .8(80\% Avg. Efficiency)}$$

Experience will give you the right settings for proper combustion and efficient burning. Remember the correct air inlet setting is affected by variables such as type of wood, outside temperature, chimney size and weather conditions. With practice, you will become proficient in operating your heater and will obtain the performance for which it was designed.

Proper Draft

1. Draft is the force which moves air from the appliance up through the chimney. The amount of draft in your chimney depends on the length of the chimney, local geography, nearby obstructions and other factors.
2. Too much draft may cause excessive temperatures in the appliance. An uncontrollable burn or a glowing red stove part or chimney indicates excessive draft.
3. Inadequate draft may cause backpuffing into the room and plugging of the chimney. Smoke leaking into the room through appliance and chimney connector joints indicates inadequate draft.

Ash Removal

Caution: Ashes are to be removed only when the heater is cold. Whenever ashes get 3(76mm) to 4(102mm) inches deep in your firebox, and when fire has burned down and cooled, remove excess ashes. Leave an ash bed approximately 1" (25 mm) deep on the firebox bottom to help maintain a hot charcoal bed.

Optional Ash Cleanout system: The ash dump handle is located under the ash lip on the left hand side. To operate ash dump, pull handle out 1/2"(12mm) and turn clockwise. This will unlock the ash dump and allow it to open. Hold handle open while pulling ashes into the opening. Avoid large embers as these still contain heat value. Release handle and push in to lock. Ensure ash dump door is properly engaged. Fill the cavity with the remaining ash level with the firebox floor. Lift and pull out ashpan and discard ashes into metal container. Replace ashpan and ensure it is seated properly.

Do not burn with ash dump door open. Doing so will create a hazardous condition. Always leave about 1"(25mm) of ash when cleaning.

Disposal of Ashes

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed outside on a non-combustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in closed container until all cinders have thoroughly cooled. Other waste should not be placed in this container.

Baffle Removal

Chimney connector pipe should be disconnected from stove to clean and inspect. Only if this is not possible should you remove baffle assembly.

DO NOT OPERATE WITH BAFFLE ASSEMBLY OR INSULATION REMOVED.

Removal

Remove retaining pin at the rear inside top of the firebox, just under the baffle. Lift baffle up and pull forward to disconnect from the supply tube. Tilt baffle sideways to drop down and remove from firebox. Inspect gasket between baffle and supply tube. If necessary, replace with gasket #SUMB.31396 available from your Pacific Energy dealer. Re-install baffle assembly in reverse order. Ensure that the two side pieces of insulation are set inside the siderails and tight against the baffle. If the insulation is damaged during removal, it should be replaced.

NOTE: AFTER YOU REMOVE THE BAFFLE, ALWAYS COVER THE BAFFLE AIR TUBE THAT PROVIDES AIR TO THE BAFFLE. THIS PREVENTS DEBRIS FALLING DOWN THE TUBE.

Secondary Air Box Removal and Cleaning:

1. The secondary air box is located on the bottom rear of the woodstove and can be cleaned by removing the two screws securing the cover plate on the rear face of the secondary air box and using a vacuum to suck out any debris.
2. To remove the secondary air box, use a 3/8" wrench and undo the two #10 Keps nuts, one on each side of the secondary air box. Lower the secondary air box and slide out.
3. Reverse this process to re-install the secondary air box.

* **MAKE SURE THE GASKET IS IN GOOD SHAPE AND POSITIONED CORRECTLY.**