



OWNERS' INFORMATION MANUAL

For Models
NT-45M
(12 Volt D.C. Furnace)

&

P-45M
(115 Volt A.C. Furnace)

FOR YOUR SAFETY

If you smell gas:

- 1-Open all windows.
- 2-Do not touch any electrical switches.
- 3-Extinguish open flames.
- 4-Immediately call your gas supplier.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Listed below are several safety related items that you should follow to assure continued safe operation of the furnace.

1-Keep the furnace area clear of any combustible materials, gasoline or other flammable vapors and liquids.

2-Do not restrict the flow of combustion air or the warm air circulation to the furnace. To do so could cause personal injury and/or death.

3-Never operate the furnace if you smell gas.

4-Immediately shut furnace down and call a service agency if furnace cycles erratically or delays on ignition.

5-Always follow the lighting instructions. Do not deviate from the step-by-step procedures.

6-Never attempt to repair damaged parts. Always have them replaced by a qualified service agency.

7-Never attempt to repair the furnace yourself. Seek the help of a qualified service person.

8-Periodically observe the main burner flame to assure it is burning with a hard blue flame with well defined burner ports (see Figure 2). If flame appears yellow or burner has a lazy flame, shut furnace down and contact a qualified service person.

NOTE: To observe flame, cabinet front must be removed. Operation of burner can then be observed through the viewing window on front of chamber (see Figure 1).

9-Periodically inspect outside vent cap for obstructions or presence of soot. If soot is present, immediately shut furnace down and contact a qualified service person.

Operating Instructions

To operate the furnace:

1-Remove cabinet front.

2-Turn manual shut-off valve to the *off* position (see Figure 1).

3-Set thermostat above room temperature. A 10 second delay will occur before the blower starts.

4-Allow blower to run for five (5) minutes for combustion chamber purge cycle.

5-After five (5) minutes, set thermostat to the *off* position.

6-Open manual valve. Correct operating characteristics depend on this valve being positioned fully open. Never attempt to operate with valve partially closed.

7-Set thermostat on desired temperature.

8-Allow 30 seconds for ignition to occur.

9-If burner does not light, set thermostat on *off* and repeat steps 2 through 8.

10-If after three (3) attempts with no ignition, go to shut down and contact a qualified service agency. Do not continue to cycle furnace through thermostat in an attempt to get ignition.

11-After main burner ignition, replace cabinet front.

TO SHUT DOWN

1-Turn main gas valve control knob to *off* (see Figure 1).

2-Set thermostat on *off*.

Preventive Maintenance

Your furnace should be inspected before use at least annually by a qualified service agency. Particular attention should be given to the following items:

1-Inspect combustion chamber for restrictions in exhaust or intake. It is imperative that the flow of intake combustion air and the flow of exhaust gases being expelled to the outside atmosphere not be obstructed.

2-Inspect all gaskets. If any gaskets show signs of leakage or deterioration, replace them. Safe operation of the furnace

depends on all gaskets being tight.

3-Inspect return air inlet openings to the furnace. Remove any restrictions to assure adequate air flow.

4-Inspect main burner by removing the four (4) screws (A, B, C and D) securing the burner access door to the combustion chamber (see Figure 1). If excessive rust and corrosion are present on burner surface, the burner must be thoroughly cleaned or replaced.

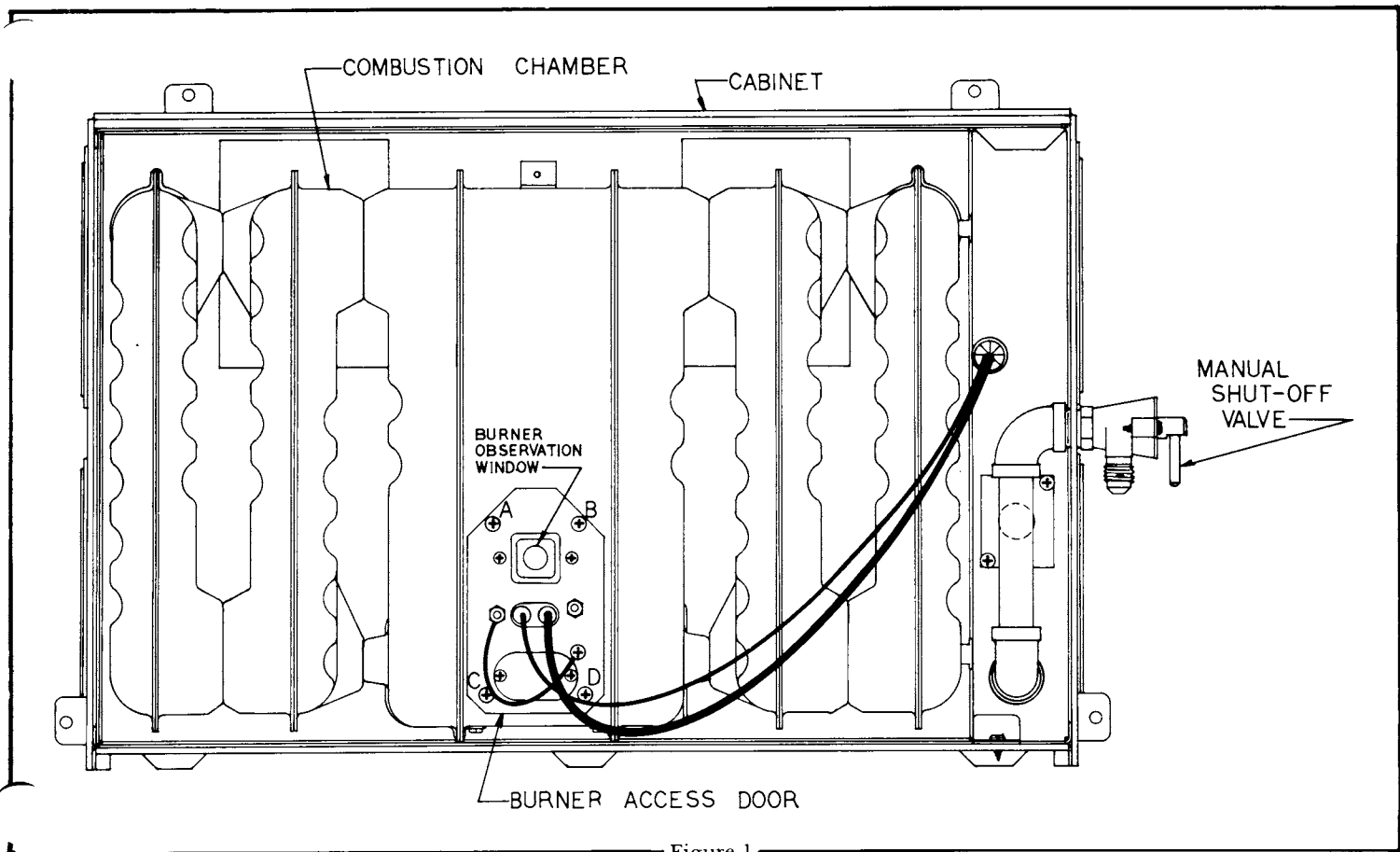


Figure 1

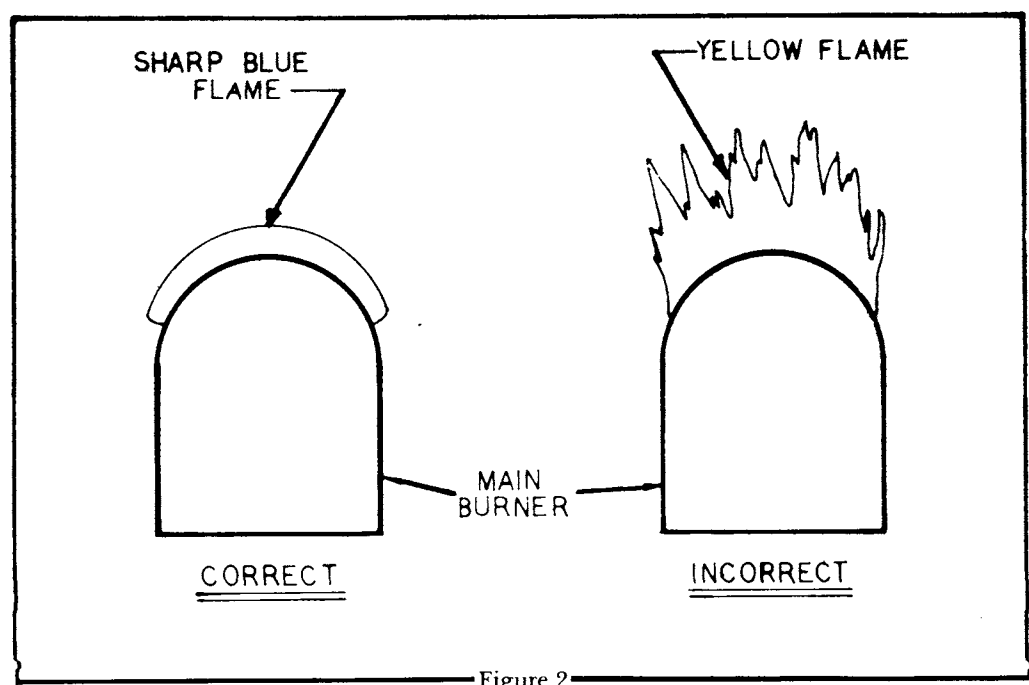


Figure 2

WARRANTY

RECREATIONAL VEHICLE HEATING UNIT

Suburban Manufacturing Company (SUBURBAN) warrants to the first purchaser, the heating unit against defects in material and workmanship under normal use for a period of one year from date of first purchase of the recreational vehicle. The heat exchanger is warranted to the first purchaser against rustout and burnout for a period of 5 years from date of first purchase of the recreational vehicle. Warranty parts will be replaced at no charge for the parts. Labor will be paid only as set forth in the Service Policy below.

SERVICE POLICY

Suburban Manufacturing Company, with the cooperation of its authorized service centers, will endeavor to assure customer satisfaction. If a defect of workmanship or material in the heating unit is repaired within one year from date of original purchase, Suburban will pay a service allowance to the authorized service center up to the maximum specified under the terms of Suburban's contract with the service center. To obtain repairs or replacements, the owner/user must provide for transportation of the heating unit to and from the service center and must inform the service center of the nature of the defect. A list of authorized service centers is enclosed with Suburban's Installation, Operating and Service Instructions book. The owner/user may obtain an updated list of authorized service centers from Suburban Manufacturing Company at any time. Any warranty labor charges paid by the owner/user will be reimbursed at Suburban's flat rate labor schedule in effect at time repairs were made. Any parts replaced under warranty and paid for by the owner/user must be returned to the factory for inspection. Reimbursement for parts will be made only at dealer price in effect at time parts were replaced. All repairs made after one year from date of original purchase will be at the expense of the owner/user.

EXCLUSIONS AND LIMITATIONS

A-There are no other express warranties except as set out above, and any implied warranties are limited in duration to one year from date of first purchase of the recreational vehicle. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

B-This limited warranty excludes consequential damages, incidental damages, or incidental expenses, including damage to property. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

C-This limited warranty does not cover damages caused by improper installation, mishandling, neglect, abuse, improper energy supply, other circumstances beyond Suburban's control such as fire, flood or other acts of God, or operation of the heating unit contrary to the provisions of the Installation, Operating and Service Instructions book of Suburban or contrary to proper voltage and fuel ratings as design certified by the American Gas Association.

D-Certain services are not included under the service policy. They are:

- 1-Initial checkout and subsequent checkouts which determine that the furnace is operating properly.
- 2-Cleaning.
- 3-Water or dirt in controls, fuel lines and gas tanks.
- 4-Broken or shorted wires.
- 5-Restriction or alteration of warm air or return air circulation.
- 6-Thermostat adjustments.
- 7-Instructing owners in operation.
- 8-Adjusting primary air.
- 9-Pilot adjustment.
- 10-Electrode adjustments.
- 11-Clogged orifice.
- 12-Disconnected wires.
- 13-Broken parts.
- 14-Charges incurred in gaining access to the furnace.

No representative or person is authorized to assume for Suburban Manufacturing Company any other liability in connection with the sale of this recreational vehicle furnace.

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

