FOR YOUR SAFETY
IF YOU SMELL GAS:
1. OPEN ALL WINDOWS.
2. DON'T TOUCH ANY ELECTRICAL SWITCHES.
3. EXTINGUISH ANY OPEN FLAMES.
4. IMMEDIATELY CALL YOUR GAS SUPPLIER.

This book contains instructions covering the operation and maintenance of your furnace. Keep with unit at all times. Should you require further information, contact your dealer or nearest Suburban Service Center.

FOR YOUR SAFETY
DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WARNING! Should overheating occur in the gas supply tank or shut off, shut off the manual gas valve to the appliance before starting off the electrical supply.

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

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

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

4. Periodically observe the main burner flame to assure its burning with a hard blue flame with well-defined burnerorns (see Figure 3). If flame appears yellow or blue flame has any irregularity, turn off the gas supply and contact a qualified service person.

NOTE: To observe flame, cabinet front must be removed. Operation of burner cannot be observed through the viewing window on front of chassis. (see Figure 2)

5. Periodically inspect the vent and the outside decorative box for obstructions in the presence of snow. If solids are present, immediately shut the furnace down and contact your dealer or a qualified service person. Do not attempt to burn, and do not operate the furnace until the vent is clear.

6. Never section the ducting installed by your installer manufacturer. To do so could damage improper furnace operation.

7. Do not install air barriers in the duct system. Such devices will cause the unit to operate cycle on and off and invite unit and unit operation.

OPERATING INSTRUCTIONS
1. Turn the manual valve to the "OFF" position (see Figure 11).

2. Move "OFF" lever located on the bottom of the unit to the right to have an "OFF" position.

3. Set thermostat above room temperature to begin blowout operation. A slight delay will occur before the blower comes on. Allow blower to run for 5 minutes for combustion chamber purge cycle.

4. After 5 minutes, move thermostat lever below room temperature. Blower should go off.


6. Set thermostat above room temperature.

7. Allow 30 seconds for main burner to light after blower comes on.

8. If blower does not light, repeat steps 1 through 5.

9. If after 2 attempts with no ignites, go to shutdown and contact your dealer or a local recreational vehicle service agency. Do not continue to cycle furnace through thermostat in an attempt to get ignition.

TO SHUT DOWN
1. Set thermostat to positive off position.

2. Turn manual shut-off valve to the "OFF" position.

PREVENTIVE MAINTENANCE
Your furnace should be inspected before use at least annually by a qualified service agency. This practice greatly reduces the likelihood of unit failure. Inspect the following items:

1. Inspect combustion chamber for restrictions in the manual valve. It is recommended that this line of stacks combustion air and the line of exhaust gases be periodically examined for signs of blockage or obstructions (see Figure 11) and/or test for obstructions (see Figure 11). A test of exhaust gases should be taken by using high temperature indicator. A high temperature indicator will be found included with the safety kit (see Figure 11). The test of exhaust gases should be taken by using high temperature indicator. A high temperature indicator will be found included with the safety kit (see Figure 11).

2. Quell all gauges. If any gauges show signs of leakage or deterioration, replace them.

3. Check all fuel lines for leaks. If any fuel lines show signs of leakage or deterioration, replace them.

4. Inspect return air intake openings to the furnace and remove any restrictions to assure adequate air flow.

5. Inspect main burner for any indication of clean or dirty. A. Carburetor, and thermostat access door to the combustion chamber (see Figure 11). A carbonic acid and carbonation are present at outlet surface, the burner must be thoroughly cleaned. The burner may be cleaned using a steel wire brush, then blown clean using high pressure air.

6. The motor is permanently lubricated and requires no oiling.
To clean the chamber, the burner must be cleaned from the inside and the burner access door must be removed. Turning counter-clockwise or to the left using a high temperature screwdriver, the burner assembly may be removed from the cabinet. The burner assembly is shown without its cabinet. The correct flame is shown in Figure 2. The incorrect flame is shown in Figure 4.
LIMITED ONE YEAR WARRANTY

This Suburban product is warranted to the original purchaser to be free from defects in material and workmanship under normal use and maintenance for a period of one year from date of purchase whether or not actual use begins on that date. It is the responsibility of the consumer/owner to establish the warranty period. Suburban does not use warranty registration cards for its standard warranty. You are required to furnish proof of purchase date through a Bill of Sale or other purchase record.

Suburban will replace any parts that are found defective within the first year and will pay a warranty service-repair expense to the authorized Suburban Service Center at rates mutually agreed upon between Suburban and its authorized service centers. Replacement parts will be shipped freight prepaid within the Continental United States, Alaska, and Canada.

For warranty service, the owner/user should contact the nearest authorized Suburban Service Center. Advising them of the model and serial numbers (located on the furnace) and the nature of the defect. Transportation of the unit and/or travel expenses of the Service Center is your location are the responsibility of the owner/user. A listing of authorized Service Centers is included in the owner’s packet supplied with the furnace and a current list may be obtained from Suburban.

LIMITED FOUR YEAR WARRANTY ON HEAT EXCHANGER

This furnace heat exchanger is further warranted to be free from defects in material and workmanship during the second through fifth year after the date of original purchase. A replacement heat exchanger will be provided under the same conditions as stated in the one year warranty except no labor reimbursement will be provided.

LIMITATION OF WARRANTIES

ALL IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH EACH LIMITED WARRANTY IS GIVEN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER OR OTHER PERSON WHOMSOEVER.

SUBURBAN WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance as outlined in the installation, operating and service instructions owner’s manual including cleaning of component parts, such as, orifices and burners.
2. Initial checkouts and subsequent checkouts which indicate the furnace is operating properly.
3. Damage or repairs required as a consequence of faulty or incorrect installation or operation not in conformance with Suburban’s instructions.
4. Failure to start and/or operate due to loose or disconnected wires; water or dirt in controls; fuel valve and gas line restriction or alteration of return air circulation; low voltage.
5. Routine adjustments that may be required to the thermostat, electrode and burner.
6. Costs incurred in gaining access to the furnace.
7. Parts or accessories not supplied by Suburban.
8. Damage or repair needed as a consequence of any misapplication; abuse; unreasonable use; unauthorized alteration, improper service, improper operation or failure to prove reasonable and necessary maintenance.
9. Suburban products whose serial number has been altered, defaced or removed.
11. Damage as a result of floods, winds, lightning, accidents, convulsive atmosphere or other conditions beyond the control of Suburban.

12. ANY SPECIAL INDIRECT OR CONSEQUENTIAL PROPERTY/ECONOMIC OR COMMERICAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

NO REPRESENTATIVE, DEALER OR OTHER PERSON IS AUTHORIZED TO ASSUME FOR SUBURBAN MANUFACTURING COMPANY ANY ADDITIONAL, DIFFERENT OR OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS SUBURBAN PRODUCT.

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

IF YOU HAVE A PRODUCT PROBLEM:

FIRST:
If your RV has its original furnace and is still under the RV manufacturer's warranty, follow the steps described in your RV owner's manual.

SECOND:
Contact a conveniently located authorized Suburban Service Center. A list of such service centers is enclosed with Suburban’s Installation, Operation, and Service Instructions Book. Directly to them the owner of your problem, make an appointment, if necessary, and provide for delivery of the furnace to the selected service center.

THIRD:
Contact: Suburban Manufacturing Company
Customer Service Department
Post Office Box 399
Dayton, Tennessee 37321
Telephone: (800) 771-2131

SUBURBAN MANUFACTURING COMPANY

Part Number 201146

Litho USA

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