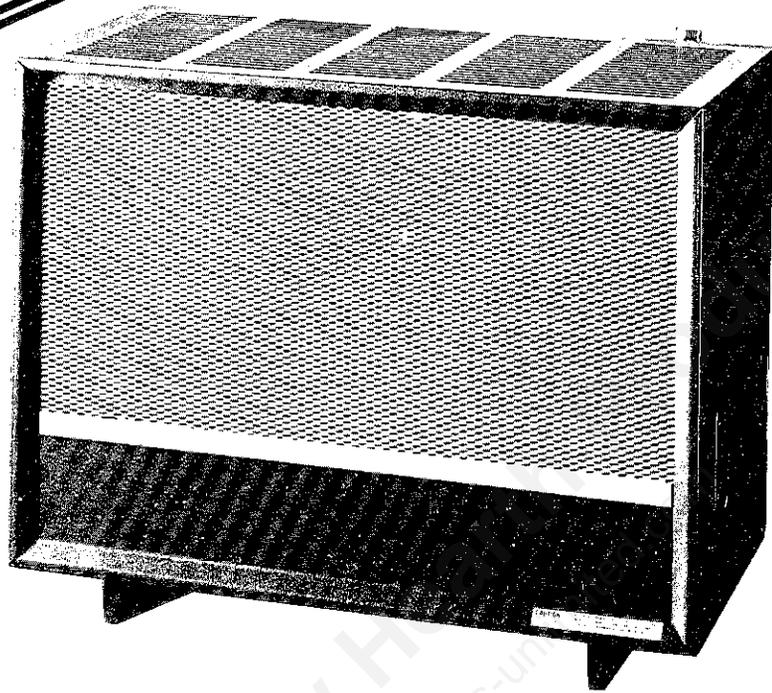


LOW-PRICED VENTED GAS HEATERS BY U.S. STOVE



- **Thermostatically Controlled**—Allows for convenient room temperature control
- **Compact**—Leaves more valuable floor space
- **Baked-on Enamel Cabinet**—Comes with lifetime finish in earth-tone brown with desert sand grill
- **Rugged**—Continuously seam welded heavy gauge combustion unit
- **Dependable**—Resists effects of lint due to durable burner and non-aerated pilot (All models have appliance gas pressure regulators.)
- **Easy to Clean or Service**—Controls can be removed without disconnecting from flue.
- **A.G.A. Design Certified**
- **For Natural and LP Gases**
- **Ten-year Limited Warranty**—On burner and combustion chamber
- **Automatic Spill Switch**—Provides 100% safety in case of blocked flue



All vented gas heaters must be vented to a Type B flue

SPECIFICATIONS

MODEL NO.	HEIGHT	WIDTH	DEPTH	SHIPPING WEIGHT	VENT DIA.	B.T.U. INPUT	FLOOR TO CENTER OF VENT OUTLET
C9250	27"	34"	19"	93 lbs.	4"	50,000	19"



AVAILABLE EXCLUSIVELY
THROUGH MENARDS



United States Stove Company
 111 Industrial Dr.
 P.O. Box 151
 South Pittsburg, TN 37380
 615-837-2100
 Home Heating Specialists in America Since 1869.

Owner's Manual

- INSTALLATION GUIDE
- OPERATION
- MAINTENANCE
- REPLACEMENT PARTS
- WARRANTY

GAS-FIRED VENTED ROOM HEATERS

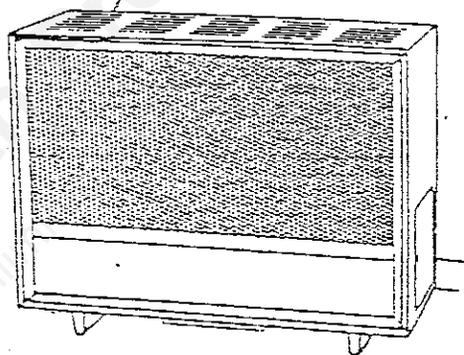
MODELS:

C9250N

C9250L



Fill



C9250

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

- Installation and service must be performed by a qualified installer, service agency or the gas supplier.



Caution: Read all instructions before use. Retain them for future reference. All appliances should be installed by a professional gas appliance service person.

WARNING

Refer to this manual for correct installation and operation procedures. For assistance or additional information consult a professional gas appliance service person.

DO NOT install or use this heater in bathrooms, bedrooms/sleeping quarters, mobile homes, trailers, recreational vehicles, or as a fireplace insert.

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WARNING

**DO NOT install or service this heater yourself.
Call a professional gas appliance service person.**

- DO NOT install or use this heater in mobile homes, trailers or recreational vehicles.
- Locate the heater out of traffic and away from furniture and draperies.
- DO NOT place clothing or other flammable material on or near the heater or vent pipes.
- Keep children and animals away from the heater at all times.
- Never leave the heater in operation without adult supervision if children or animals are likely to be present.
- Use only in well ventilated areas. DO NOT install in an area where the heater could be isolated by closing doors.
- DO NOT obstruct the flow of combustion and ventilation air.
- The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1*.
- If this heater is installed at altitudes 2,000 feet or more above sea level the orifice must be changed according to the chart on page 12. Consult your local gas company or the company where you purchased this heater.
- Operating this heater when not connected to a properly installed and maintained venting system or tampering with the vent safety shutoff system can result in carbon monoxide (CO) poisoning and possible death.
- DO NOT use this heater if any part has been under water. Immediately call a professional gas appliance service person to inspect the heater and to replace any part which has been under water.
- Any change to this heater or its controls can be dangerous. Any additions, changes or conversions required in order for this heater to satisfactorily meet the application needs must be made by a professional gas appliance service person using factory specified and approved parts.
- Any safety screen, guard or parts removed for installation or service must be replaced prior to operating the heater to avoid property damage, bodily injury or death.

*ANSI Z223.1 (latest version) is available from American Gas Association, 8501 East Pleasant Valley Road, Cleveland, OH 44131 (216 524-4990), and all NFPA codes are available from National Fire Prevention Association, Batterymarch Park, Quincy, MA 02269 (617 770-3000) or check your local library.

RATINGS

The rating plate on the heater shows the input rating and gas type.

N = Natural; L = Liquid Petroleum (LP)

Model:	
C9250N	50,000 BTUH Input
C9250L	50,000 BTUH Input

IMPORTANT

When the heater is installed at altitudes exceeding 2,000 feet above sea level, the input must be

reduced by 4 percent for each 1000 feet above sea level.

Example: C9250 installed at 4,000 feet altitude

Normal Input Rating	50,000 BTUH
Less 16 percent for 4,000 feet above sea level	8,000 BTUH
Reduced input for 4,000 feet altitude	42,000 BTUH

For correct size orifice, refer to altitude orifice chart on page 12. Please call your local heating parts supply house and/or gas company.

⚠ WARNING
Do not alter the installed orifice in any manner. Contact a professional gas appliance service person.

UNPACKING

⚠ WARNING
The packaging of this heater includes a plastic bag. Dispose of this plastic bag promptly to prevent children from playing with it and possibly suffocating.

1. Please check the outside of the carton for instructions on unpacking your heater.

2. Examine the contents for damage.
3. If there is damage, immediately notify the salesperson where the heater was purchased.
4. If there is a shortage of parts, notify the store where the heater was purchased within five (5) days.

HEATER INSTALLATION

It is recommended that this heater be installed by a professional gas appliance service person. It should be inspected

before use and at least once a year by a professional gas appliance service person.

Choosing Heater Location

⚠ WARNING

DO NOT install or use this heater in mobile homes, trailers or recreational vehicles.

Locate the heater out of traffic and away from furniture and draperies.

1. Position the heater following the minimum clearances to combustibles as noted in Figure 1.

- a. Service accessibility - 24" min.
- b. Top of heater to ceiling - 60" min.
- c. Side clearance - 6" min.
- d. Front clearance - 30" min.
- e. Back clearance - 6" min.
- f. Vent clearance - Vent diameter plus 4"

2. When installing directly on carpeting, tile or other combustible material other than wood flooring, the heater must be installed on a metal or wood panel extending the full width and depth of the heater. See page 12 for accessory guide.

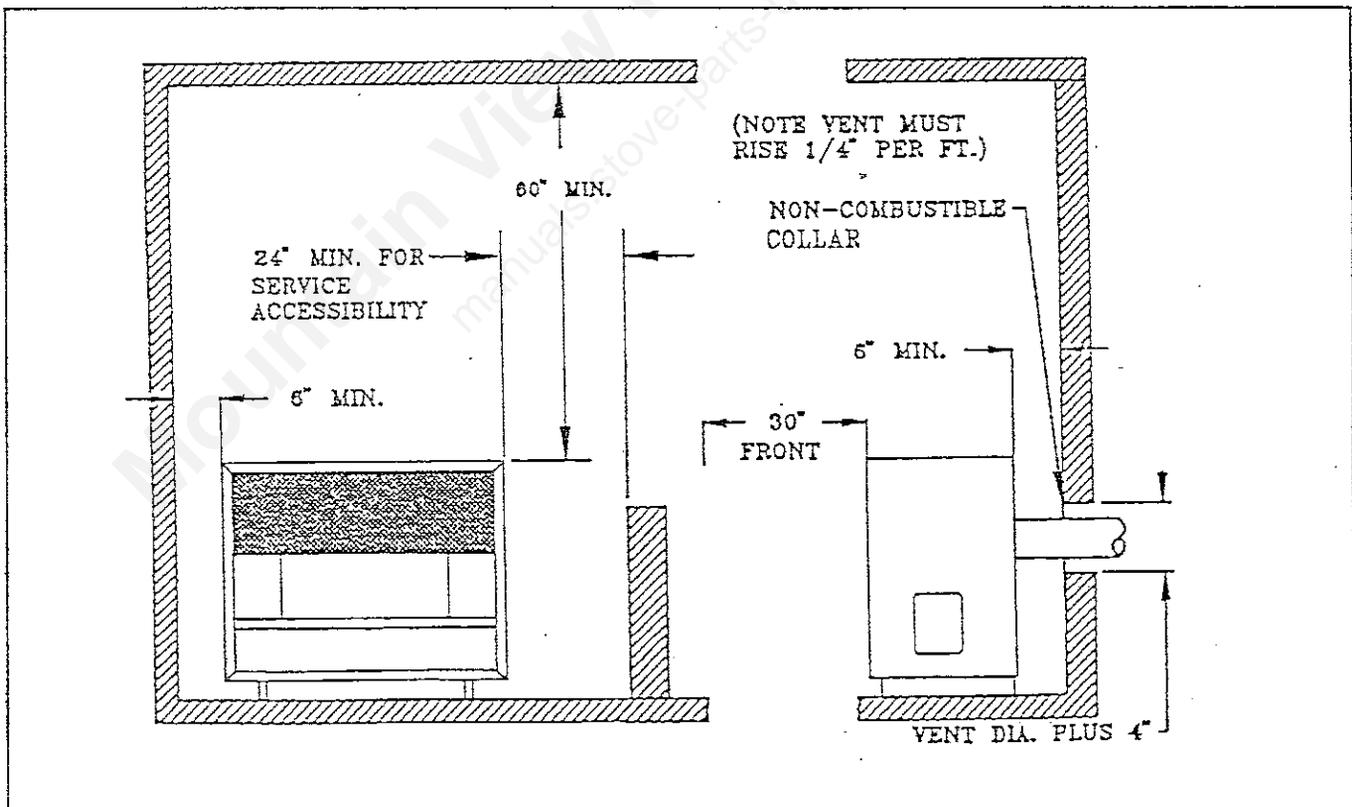


Figure - 1

Combustion & Ventilation Air

⚠ WARNING

This heater must be provided with enough fresh air for proper combustion and ventilation of flue gases. Improper ventilation may cause illness, bodily injury or death. Most homes will require that outside air be supplied into the heater area.

⚠ WARNING

Even when your house meets requirements for *unconfined space with adequate air infiltration, illness, bodily injury or death may occur. It is recommended that a fresh air intake be installed to lessen the possible dangers from any future changes to the home.

*An unconfined space is defined as a minimum volume of 50 cubic feet per 1000 BTUH (total of all fuel burning appliances in the area).

Proper Venting

⚠ WARNING

Operating this heater when not connected to a properly installed and maintained venting system or tampering with the vent safety shutoff system can result in carbon monoxide (CO) poisoning and possible death.

The heater must be connected to a properly vented and maintained venting system that is engineered and constructed so as to develop a positive flow adequate to remove flue gases to the outside atmosphere.

This heater is equipped with a Vent Safety Shut-off Switch. This switch will detect improper venting of combustion products and will shut off the pilot and the main burner gas, should a blockage of the flue or a downdraft condition occur.

The heater must be vented as shown in Figure 2 and in accordance with the National Fuel Gas Code ANSI Z223.1, Section 7.6., the National Building Codes and all local building codes. Particular attention must be given to the following:

1. Vent pipes must be pitched upward from the heater at least 1/4 inch per foot without any dips or sags.

2. The horizontal run of the vent pipe must be as short and direct as possible and the heater located as near the gas vent or chimney as practical.
3. Manually operated dampers **MUST NOT** be placed in the vent pipes from the heater.
4. The size of the vent pipe must be the same as the vent outlet on the heater.
5. Vent pipes must be firmly attached to the vent outlet of the heater by use of sheet metal screws.
6. The chimney must be in good condition and must be free of obstructions to provide good draft for the heater. If you have any doubts about your chimney, call a professional gas appliance service person.
7. If the home does not have a chimney, an approved Type B double wall vent pipe can be used.
8. The vent pipe **MUST NOT** be connected to a chimney flue serving a solid fuel burning appliance.

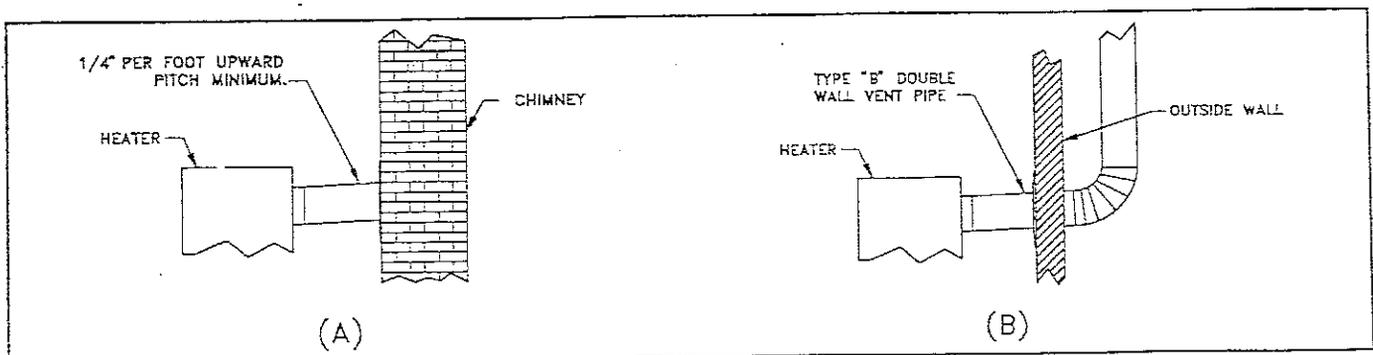


Figure - 2

IMPORTANT

The installation of the piping, testing for leaks, and wiring (if required) must be completed by a professional gas appliance service person.

Piping

1. Installation of a ground pipe joint union is required at the gas inlet connection to the control valve on the heater. All components upstream of the control valve are field supplied by the installer. See Figure 3.
2. Installation of gas line trap "Drip Leg" is required at the inlet connection to the heater. Failure to provide a drip leg could result in condensation and foreign matter in the valve.
3. Installation of a manual shut off valve is required. A 1/8 inch N.P.T. plug tap, accessible for test gauge connection, is required upstream of the control valve. It may be part of the shut off valve as shown in Figure 3.
4. To insure proper performance and full input capacity, the gas supply line leading to the heater from the main supply should be of an adequate size. Check your local plumbing codes for the proper size for your particular installation.

Testing For Leaks

⚠ WARNING

All gas piping and connections must be tested for leaks after the installation is completed.

DO NOT use a match or open flame of any kind to test for leaks. Never operate the heater with leaky connections.

1. Disconnect the heater and the manual shut off valve from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig.
2. Isolate the heater from the gas supply piping system by closing the manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.
3. For Steps 4 and 5, apply a soap solution to all connections and joints. If bubbles appear, leaks have been detected and should be corrected.
4. The supply system should be checked first with the heater gas valve turned OFF.
5. After the supply is checked, turn the heater gas valve ON and check the heater piping and controls.
6. The opening between the pipe and the wall, or floor, through which the gas piping is inserted should be sealed by caulking.

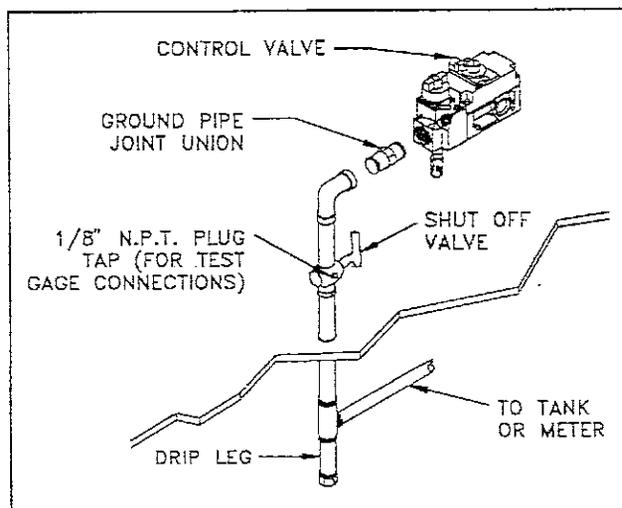


Figure -3

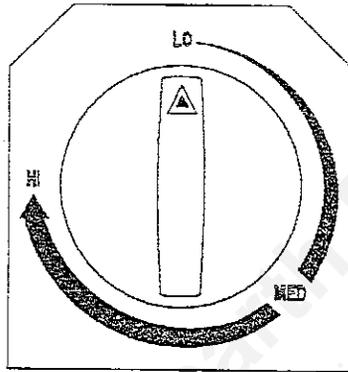
OPERATION OF YOUR HEATER

All Models:

To light your heater, refer to the instructions given on Page 7. Turn the knob all the way counterclockwise (towards the tail of the arrow).

Turn the knob in the direction of the Arrow until you have achieved your desired comfort level.

NOTE: On initial operation, some smoking of the chamber will be apparent. This is due to the new paint on your combustion chamber and is normal. Open windows and/or outside door and run the heater continuously for 10 minutes until air has cleared. Close windows and/or outside door and resume normal operation.



Manifold Pressure Checking

IMPORTANT

Be sure to check the manifold pressure with a water manometer to verify proper operation of the furnace.

IMPORTANT

A pressure regulator is an integral part of the automatic valve on all models for both Natural and LP Gas. This pressure regulator will compensate for minor fluctuations in input pressure, but it is NOT a suitable substitute for the line pressure regulator on a natural or LP gas line.

1. The manifold pressure can be measured at the 1/8 inch pipe tap in the valve. Pressure measurements should be taken with a water manometer.

MANIFOLD PRESSURE (Inches Water Column)

Natural	3.5
LP	10.0

2. The line pressure can be measured at the 1/8 inch pipe tap in the main gas line. Pressure measurements should be taken with a water manometer.

LINE PRESSURE (Inches Water Column)

	Min.	Max.
Natural	5.0	7.0
LP	11.0	14.0

CAUTION

Input rating should never exceed that shown on the rating plate. Orifice changes must be made by a professional gas appliance service person.

LIGHTING INSTRUCTIONS

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, bodily injury, or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch and electric switch; do not use any phone in your building.

- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.

- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a professional gas appliance service person. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a professional gas appliance service person to inspect the appliance and to replace any part of the control system and any gas control which had been under water.

LIGHTING INSTRUCTIONS

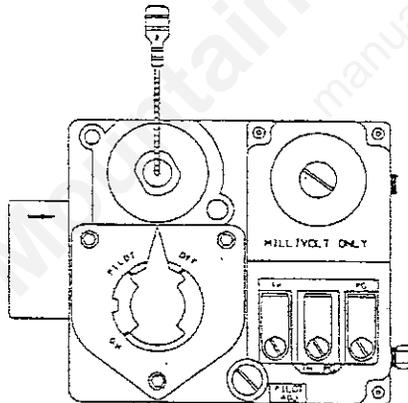
1. STOP! Read the safety information above on this label.

2. Set the thermostat knob at the lowest setting.

3. Turn off all electrical power to the appliance.

4. Open burner access door.

5. Push in gas control knob slightly and turn clockwise  to OFF.



NOTE: Knob cannot be turned from PILOT to OFF unless knob is pushed in slightly. Do not force.

6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow B in the safety

information above on this page. If you don't smell gas, go to the next step.

7. Find the pilot - It is located on top of the burner inside the burner access door.

8. Turn the knob on the gas control counterclockwise  to PILOT.

9. Push in the control knob all the way and hold it in. Immediately light the pilot with a match. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back up. The pilot should remain lit. If it goes out, repeat steps 5 through 9.

- If the knob does not pop up when released, stop and immediately call your service technician or gas supplier.

- If the pilot will not stay lit after several tries, turn the gas control knob to OFF and call your service technician or gas supplier.

10. Close the burner access door.

11. Turn the gas control knob counterclockwise  to ON.

12. Turn on all electric power to the appliance.

13. Set the thermostat knob to the desired setting.

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat knob to the lowest setting.

2. Turn off all electrical power to the appliance if service is to be performed.

3. Push in gas control knob slightly and turn clockwise  to OFF. Do not force.

RECOMMENDED MAINTENANCE

The exterior finish on your Room Heater is of high quality baked enamel, and with proper care will maintain its new appearance for years. Observe the following simple precautions:

1. DO NOT apply varnish or furniture polish.
2. DO NOT wipe the finish with a wet or dry cloth while the heater is warm, as this might scratch or mar the enamel.
3. Clean by wiping with a dry or damp cloth after the heater has been turned off and is completely cool.
4. Keep the heater area clean and free from combustible materials, gasoline and other flammable vapors and liquids.

The following maintenance checks should be conducted before the start of each heating season:

CAUTION

These should be checked only by a professional gas appliance service person.

1. Lubricate the fan motor at the start of each heating season.

2. Inspect the venting system before each heating season. Make the necessary repairs or replacements before using your heater.
3. Visually check the pilot flame before each heating season. The pilot flame must surround the thermocouple as shown in Figure 9. If the pilot flame extends past the 1/2 inch shown, improper operation may result. Adjustments should only be made by a professional gas appliance service person.
4. To inspect the burner:
 - a. Shut off the main gas supply at the shutoff valve for the heater. See Figure 3.
 - b. Disconnect the manifold at the elbow connection close to the burner. Unscrew the pilot tubing and thermocouple from the pilot.
 - c. Remove the screw holding the burner in position. Remove the burner and pilot as a unit.
 - d. Check the burner and remove all foreign matter from the ports and venturi opening. A wire brush can be used to do this.
 - e. Once the burner is clean, reinstall. Make sure the gas connections are tight. Check for leaks before relighting the heater.

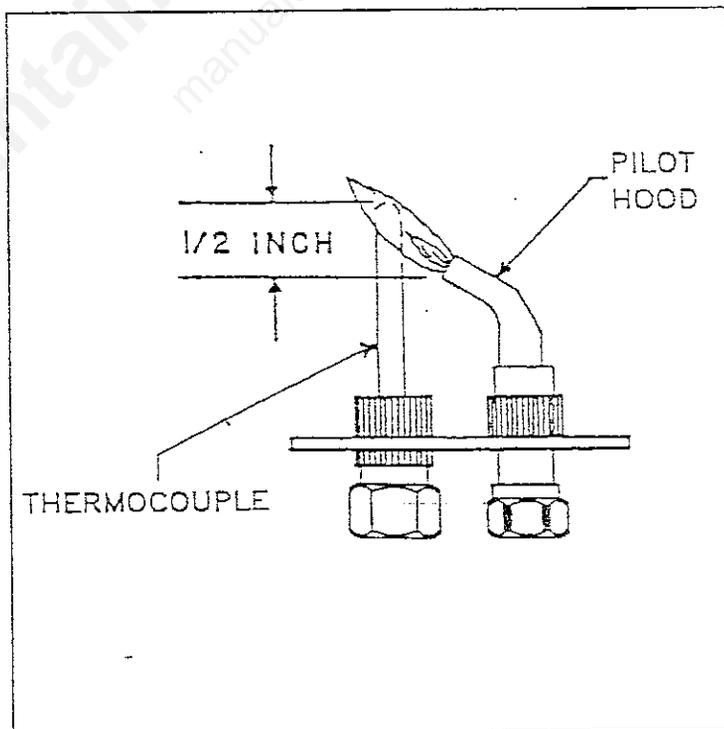


Figure - 4

SERVICE PERSON'S TROUBLESHOOTING GUIDE

SYMPTOMS	POSSIBLE CAUSES OR CORRECTIONS
1. Pilot will not light	<ul style="list-style-type: none"> a. Make sure the gas supply is turned on. b. Air in line. Continue to relight until air is bled off. c. Check for a blocked pilot orifice.
2. Pilot outage	<ul style="list-style-type: none"> a. Improper pilot flame adjustment. Refer to Figure 4. b. Check thermocouple contacts and tighten if necessary. c. Defective thermocouple - replace. d. Refer to #5 for further information.
3. Pilot flame will not stay lit when valve knob is released	<ul style="list-style-type: none"> a. Improper pilot flame adjustment. Refer to Figure 4. b. Remove pilot orifice - check and clean - reinstall. c. Defective thermostat knob - replace. d. Defective valve - replace. e. Check vent spill switch for continuity - replace.
4. Burner goes out	<ul style="list-style-type: none"> a. Thermostat knob satisfied - normal operation. b. Defective valve - replace.
5. Main burner and pilot goes out	<ul style="list-style-type: none"> a. Improper venting or blocked flue. Correct venting problem and relight. b. Check vent spill switch for continuity - replace.
6. Burner backflashes or makes noise	<ul style="list-style-type: none"> a. Check burner and orifice for damage. Replace if necessary.
7. Yellow main burner flame	<ul style="list-style-type: none"> a. Check and clean burner and orifice. b. Check line and manifold gas pressures.
8. Yellow pilot flame	<ul style="list-style-type: none"> a. Small yellow tip is normal. b. Remove pilot orifice - check and clean - replace.
9. Poor thermostatic control	<ul style="list-style-type: none"> a. Check for proper setting of thermostat knob. b. Replace thermostat section or gas valve assembly.
10. Main burner will not light	<ul style="list-style-type: none"> a. Check thermostat knob setting. b. Check to see if valve is in the ON position.

REPLACEMENT PARTS

(Furnace Series)

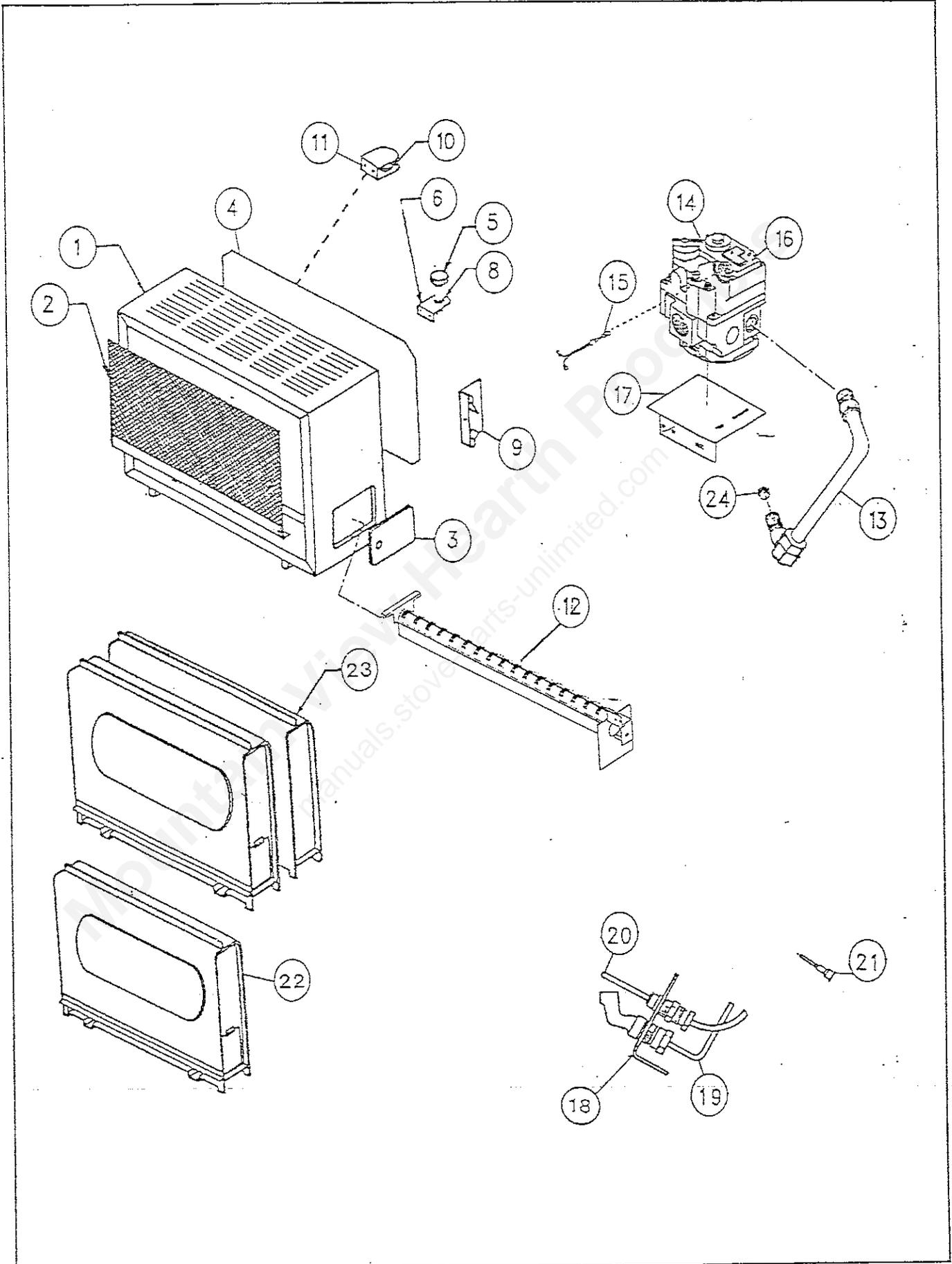
Reference page 11

ITEM NO	PART NAME	C9250N	C9250L
1	Casing Assy.	108639-G1-1	108639-G1-1
2	Screen Assy.	108574-G1-5	108574-G1-5
3	Door Panel Assy	108744-G1	108744-G1
4	Back Panel	108935-G1	108935-G1
5	Control Knob	109176-G1	109176-G1
6	Thermostat Bracket	109242-G1	109242-G1
7	Adjustable Setting Thermostat	110877-G1	110877-G1
8	Thermostat Control Label	109243-G1	109243-G1
9	Thermobulb Bracket	108851-G1	108851-G1
10	Vent Spill Switch	108339-G2	108339-G2
11	Spill Switch Bracket Assy.	108224-G1-1	108224-G1-1
12	Bumer	108436-G1	108436-G1
13	Manifold Assy.	108240-G3	108240-G3
14	Valve Combination	108718-G1	108719-G1
15	Vent Spill Switch Cable	108720-G1	108720-G1
16	Regulator & Operator Head		
17	Valve Bracket	108723-G1	108723-G1
18	Pilot Bumer (incl #21)	107989-G1	107990-G1
19	Pilot Tube	109036-G1	109036-G1
20	Pilot Generator	48950-G1	48950-G1
21	Pilot Orifice	110339-G3	110340-G2
22	Combustion Chamber Assy.		
23	Chamber & Exchanger Assy.	108641-G1-1	108641-G1-1
24	Main Burner Orifice	See separate table on page 12 for the correct orifice replacement part number	

REPLACEMENT PARTS

(Furnace Series)

Reference page 10



ACCESSORY GUIDE

ITEM NO	DESCRIPTION	C9250N	C9250L
1	Floor Pad Kit (FP-L)	X	X
2	Vent Kit (VK4)	X	X

MAIN BURNER ORIFICE REPLACEMENT (0-2000 FT)

MODELS	NATURAL (N)	LIQUID PETROLIUM (LP)
C9250	1387-G5 (No. 29 DMS)	-
C9250	-	1387-G6 (No. 45 DMS)

ALTITUDE ORIFICE CONVERSION CHART

MODEL	STANDARD ORIFICE (DMS)	For use at altitudes above (feet)						
		2000	3000	4000	5000	6000	7000	8000
C9250N	29	29	30	30	30	31	31	31
C9250L	45	46	47	47	47	48	48	49

PROCEDURE FOR SERVICE OR WARRANTY CLAIM

- Contact the distributor, from whom you purchased the product or a professional gas appliance service person to determine the problem.
 - The distributor, or a professional gas appliance service person may replace or repair the defective part or require that the part be removed and shipped to the manufacturer for repair or replacement.
 - All service charges and shipping costs are the responsibility of the owner.
 - Note to professional gas appliance service personnel: all returned parts must be accompanied by a completed Returned Material Tag which is provided to all distributors.
 - All service and warranty claims must have the product model and serial number on the Returned Material Tag.
- Under no circumstances should anyone except a professional gas appliance service person attempt to remove, repair, or replace a part. Such activity will invalidate the warranty. (See following page for full and complete warranty terms.)

CUSTOMER'S RECORD

Keep for your records. Record the information concerning your new Gas-Fired Vented Room Heater. The Model Number and Serial number will be found on the rating plate.

Date of Purchase _____ Model No. _____ Serial No. _____



GAS-FIRED VENTED ROOM HEATER LIMITED WARRANTY

WHAT IS COVERED

United States Stove Company, (the Manufacturer) warrants that this heating product is free from defects in material or workmanship under normal use and service subject to the terms of this document.

ONE YEAR WARRANTY

United States Stove Company's sole responsibility under this Warranty is to repair or replace (at its option) parts of this heater which the Manufacturer's examination shall disclose to be defective in workmanship or material. This obligation shall continue for a period of twelve (12) months from the date of sale to the heater's original retail buyer, with the sales receipt as proof of purchase date.

EXTENDED WARRANTY

Additionally, the Manufacturer will replace the combustion chamber (only) if it proves to be defective in material or workmanship under normal use and service, for a period of ten (10) years following the date of sale to the original retail buyer. An owner making a combustion chamber warranty claim shall be responsible for paying a charge of 1/120th of the original purchase price for each month subsequent to the beginning of the warranty period.

WHAT IS NOT COVERED

This warranty does not cover heating products improperly installed, misused, exposed to or damaged by negligence, accident, corrosive or contaminating atmosphere, water, excessive thermal shock, impact, abrasion, alteration or operation contrary to the owner's manual or if the serial number has been altered, defaced or removed. This warranty shall not apply if the input to the heating product exceeds by more than 2% the rated input on the rating plate. The Manufacturer shall not be responsible for any service, labor,

Some states do not allow certain warranty exclusions or limitations on how long a warranty lasts or the exclusions or limitations of incidental or consequential damages. In such states, the above limitations or exclusions may not apply to you and are not intended to do so where prohibited by law. This warranty gives you specific legal

diagnosis, analysis, removal, reinstallation or transportation charges. All labor or service charges shall be paid by the owner. The Manufacturer shall not be liable for any default or delay in performance by it of Warranty caused by any contingency beyond its control, including war, government restrictions, or restraints, strikes, fire, flood, acts of God, or short or reduced supply of raw materials or parts.

PROCEDURE

Should you desire to assert a warranty claim, you must use the procedure described in your owner's manual which procedure is incorporated herein by reference.

LIMITATIONS AND EXCLUSIONS

This document contains all warranties made by the Manufacturer and may not be varied, altered or extended by any person. There are no promises, or agreements extending from the Manufacturer other than the statements contained herein. **THIS WARRANTY IS IN LIEU OF ALL WARRANTIES EXPRESS OR IMPLIED, TO THE EXTENT AUTHORIZED BY THE LAWS OF THE STATE OF SALE, INCLUDING SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

It is understood and agreed that the Manufacturer's obligation hereunder is limited to repairing or replacing parts determined to be defective as stated above.

In no event shall the Manufacturer be responsible for any alleged personal injuries or other special, incidental or consequential damages.

As to property damages, contract, tort or other claim, the Manufacturer's responsibility shall not exceed the purchase price paid for the product.

rights. You may also have other rights which vary from state to state.

UNITED STATES STOVE COMPANY
P.O. BOX 151
SOUTH PITTSBURG, TN 37380