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 02/99
 Supersedes 9/98



MAKER'S WARRANTY

This appliance complies
 with the requirements of
**THE AUSTRALIAN
 GAS ASSOCIATION**



**USER'S INFORMATION
 MANUAL**

**G24E
 SERIES
 GAS FURNACE**

**RETAIN THESE INSTRUCTIONS
 FOR FUTURE REFERENCE**

TP Technical
 Publications
 Litho USA

	<p>⚠ WARNING</p>
	<p>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.</p>

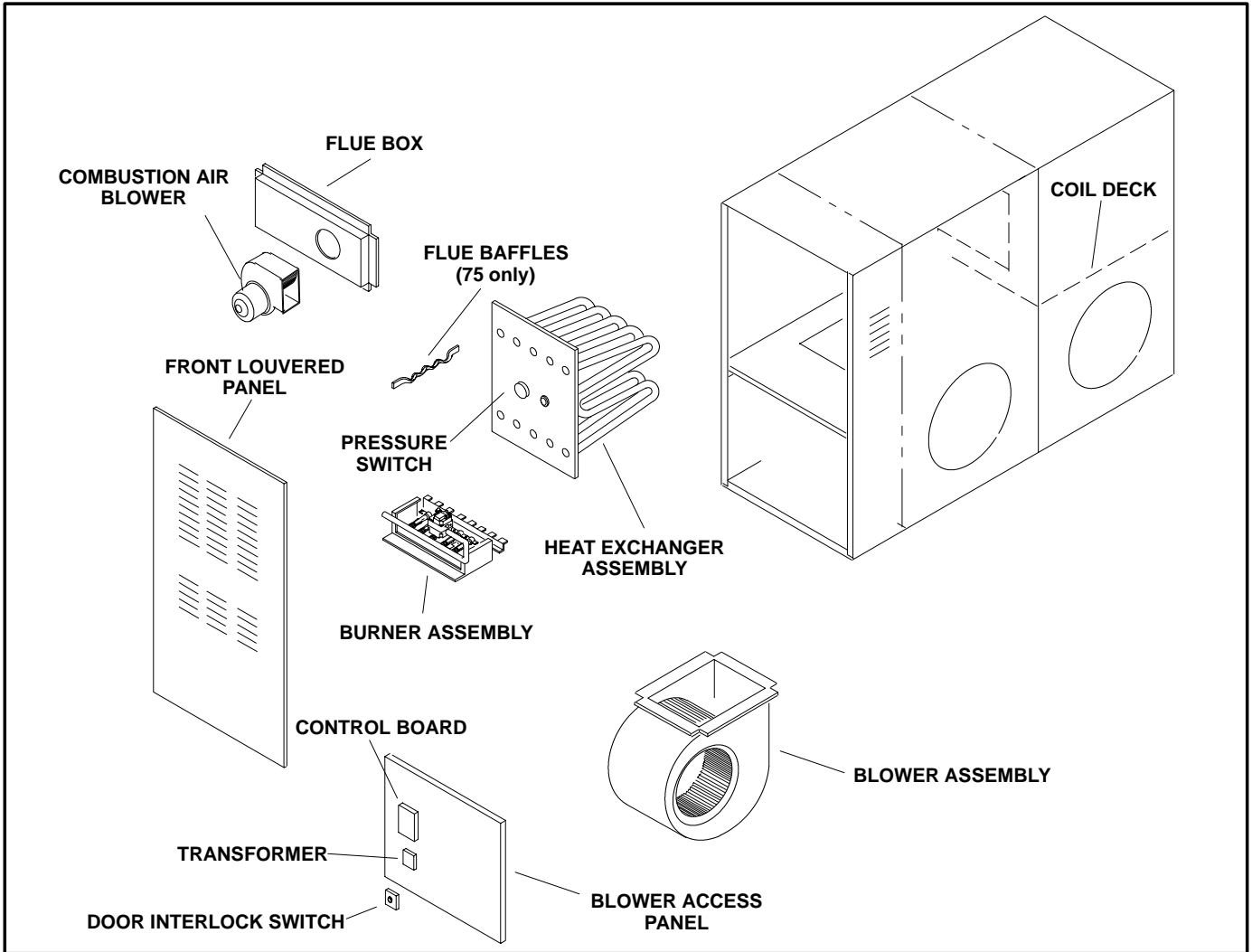
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

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

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Extinguish any open flames.
- 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.

G24E Parts Identification



⚠ WARNING

Product contains fiberglass wool. Disturbing the insulation in this product during installation, maintenance, or repair will expose you to fiberglass wool. Breathing this may cause lung cancer. (Fiberglass wool is known to the State of California to cause cancer.) Fiberglass wool may also cause respiratory, skin, and eye irritation. To reduce exposure to this substance or for further information, consult material safety data sheets available from address shown below, or contact your supervisor.

Lennox Industries Inc.
P.O. Box 799900
Dallas, TX 75379-9900

⚠ WARNING

If overheating occurs or if gas supply fails to shut off, shut off the manual gas valve to the appliance before shutting off electrical supply.

⚠ WARNING

Do not use this furnace if any part has been underwater. Immediately call a qualified service technician to inspect the furnace and to replace any part of the control system and any gas control which has been under water.

⚠ CAUTION

Before attempting to perform any service or maintenance, turn the electrical power to unit OFF at disconnect switch.

⚠ IMPORTANT

Any additions, changes, or conversions required in order for the appliance to satisfactorily meet the application needs must be made by a Lennox service technician using factory specified and approved parts.

Important Directions

- 1 - Keep the furnace area clear and free of combustible material, gasoline, and other flammable vapors and liquids. If installed in an insulated area, furnace must be kept free of insulating material. Insulating material may be combustible. Inspect furnace venting system to make sure it is in place, physically sound, and without holes, corrosion, or blockage. Inspect furnace return air duct connection to ensure duct is sealed to the furnace and terminates outside the space containing the furnace. Inspect the physical support of the furnace to guarantee that it is sound without sagging, cracks or gaps around base and it maintains seal between base and support.
- 2 - DO NOT obstruct air flow to unit. Unit must receive an unobstructed flow of combustion and ventilating air.
- 3 - DO NOT store chlorine or fluorine products near unit or introduce these products into the combustion air. These products can cause furnace corrosion.

Lighting Information and Operation

⚠ WARNING

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


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.

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, do not try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

To place G24E furnace into operation:

G24E units are equipped with an electronic ignition system. Do not attempt to manually light burners on these furnaces. Each time thermostat calls for heat, the burner will automatically light.

Gas Valve Operation (Figures 2 and 3)

- 1 - **STOP!** Read the safety information at the beginning of this section.
- 2 - Set the thermostat to the lowest setting. See figure 1.
- 3 - Turn off all electrical power to the unit.
- 4 - This appliance is equipped with an ignition device which automatically lights the burner. Do **not** try to light the burner by hand.
- 5 - Remove the control access panel.
- 6 - *White Rodgers 36E Gas Valve* - Turn knob on gas valve 180° either way to **OFF**. See figure 2.
Honeywell VR8205 Gas Valve - Turn knob on gas valve clockwise  to **OFF**. Do not force. See figure 3.

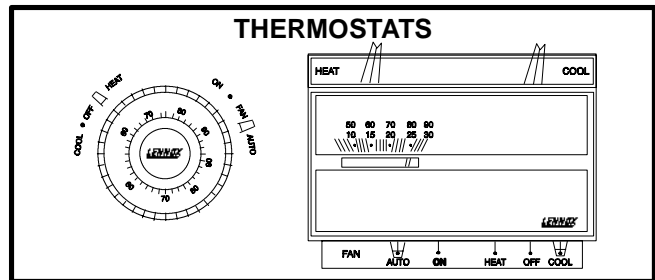


FIGURE 1

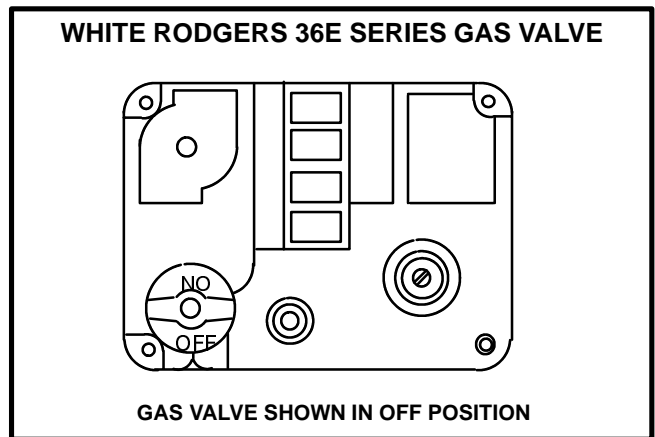


FIGURE 2

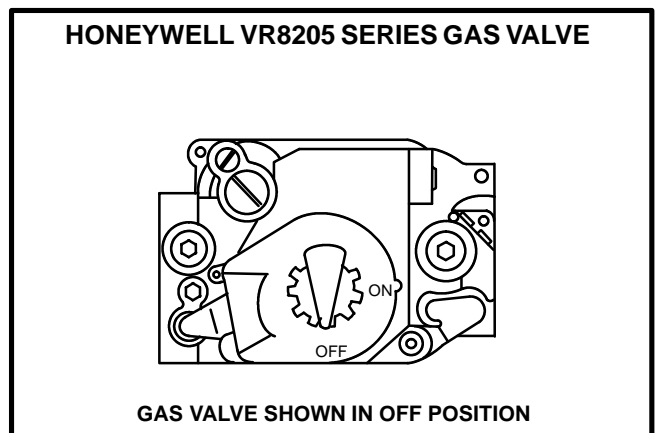




FIGURE 3

- 7 - Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you do not smell gas go to next step.
- 8 - *White Rodgers 36E Gas Valve* - Turn knob on gas valve 180° either way to **ON**.
Honeywell VR8205 Gas Valve - Turn knob on gas valve counterclockwise  to **ON**. Do not force.
- 9 - Replace the control access panel.
- 10 - Turn on all electrical power to the unit.
- 11 - Set the thermostat to desired setting.
NOTE-When unit is first started, steps 1 through 11 may need to be repeated to purge air from gas line.
- 12 - If the appliance still will not operate, follow the instructions "Turning Off Gas To Unit" and call your service technician or gas supplier.

Turning Off Gas To Unit

- 1 - Set the thermostat to the lowest setting.
- 2 - Turn off all electrical power to unit if service is to be performed.
- 3 - Remove the control access panel.
- 4 - Turn knob on *White Rodgers* gas valve 180° either way to **OFF**; turn knob on *Honeywell* valve clockwise  to **OFF**. Do not force.
- 5 - Replace the control access panel.

Blower

Check and clean blower wheel for any debris. Blower motor is prelubricated for extended bearing life. No further lubrication is needed.

⚠ WARNING

Blower door must be securely in place when blower and burners are operating. Gas fumes, which could contain carbon monoxide, can be drawn into living space resulting in personal injury or death.

Burner Flame

The G24E burner flame is not adjustable; however, the flame should be inspected at the beginning of each heating season and burners should be cleaned, if necessary. Burner flame should be blue when burning natural gas, blue/yellow when burning propane gas.

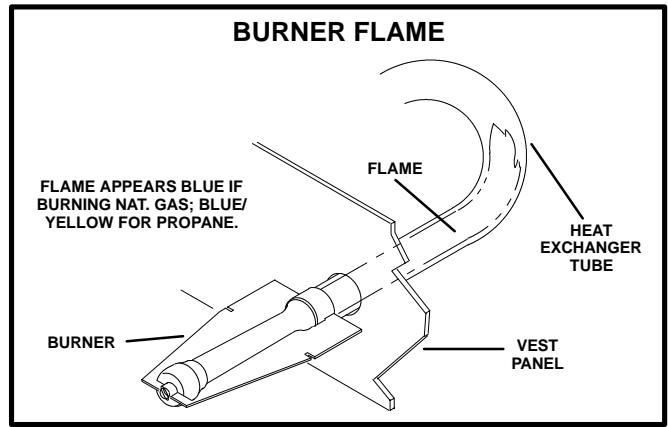


FIGURE 4

Venting System Inspection

Annually (before heating season) inspect furnace venting system, vent cap, heat exchanger and burners for corrosion, deterioration, or deposits of debris. Remove any obstructions.

Contact your Lennox dealer for a periodic unit inspection by a qualified service technician.

Flame Rollout Safety Switches

Your Lennox furnace is equipped with two flame rollout safety switches which shut off the gas supply to the furnace in case of heat exchanger blockage. If the furnace fails to operate due to the functioning of these safety switches, **DO NOT** attempt to place the furnace into operation. Contact a qualified service technician.

Service Reminder

Call your Lennox service technician if unit is inoperative. Before calling, always check the following to be sure service is required.

- 1 - Check that electrical disconnect switches are **ON**.
- 2 - Check room thermostat for proper setting.
- 3 - Replace any blown fuses or reset circuit breakers.
- 4 - Gas valve should be **ON**.
- 5 - Air filter should not be plugged limiting air flow.
- 6 - Is gas turned on at meter?
- 7 - Is manual main shut-off valve open?

To keep your Lennox gas heating system in peak operating condition year after year, contact your independent Lennox dealer about a planned service program.