DISTRIBUTION DATE: 02/04/97

**REVISION:** 

# LENNOX G-24

MODEL NUMBER:

G-24 80 MGF Multi-position - "Diplomat"

BTU SIZES:

45,000 BTU to 120,000 BTU

#### ACCESSIBILITY CLEARANCE

Service clearances of 24"

# CLEARANCE FROM COMBUSTIBLE MATERIAL

See appliance rating plate.

When unit is installed on a combustible floor, an additive base ordered separately must be installed between the furnace and the floor.

Appliance shall not be installed directly on carpeting, tile, or other combustible flooring except wood.

## COLD AIR RETURN AIR DUCTS

Sealed to the furnace casing and terminating outside of space containing the furnace. When side air return air is used, bottom must be sealed using panel provided.

## GARAGE

Approved. Must meet requirements of UMC and the Good Practice Book.

#### GENERAL

Must be electrically grounded.

Must not be used as a construction furnace.

Do not install furnace in a contaminated or corrosive environment.

Unit must be level.

	•
	HIGH ALTITUDE INSTALLATIONS
Danation	4% for each 1,000 ft. above sea level.
Deration	478  O  Each 1,000 it. above out to
Orifice	Standard - change
Regulator Pressure	3.5" manifold pressure .3±
Pressure Switch	Normally open - closes proving combustion blower operation.
	MOBILE HOME
Not approved.	NOTICE COME
ot approved.	
	VENTING MATERIAL AND REQUIREMENTS
Vent Pipe	Type C Type B-1
Vent Fittings	Type C
vein i mings	Type B-1
A vent connector adaptor s	upplied with the furnace must be installed between draft blower flue outlet and the
vent connector, must be se connection to the vent adar	cured with 2 sheet metal screws, An 18 minimum metal verk pipe metal screws,
Vertical chimney must exte	nd at least 5 feet.
Use aluminum tape to seal	plastic to metal joint.
Condensate tee and drain	must be installed within the first 5 feet of venting. When venting horizontally through a
combustible wall, a wall thin	mble is required.
	VENT CLEARANCE FROM COMBUSTIBLE MATERIAL
Type "C"	VENT CLEARANGE FROM COMDOC 10.
Type "B-1"	

# VENTING PROCEDURE

All vent connector and horizontal venting joints must be sealed with pressure sensitive tape or silicone rubber sealant.

Use GAMA tables.

Single wall vent must be insulated when over 15 feet long or installed in an unconditioned space.

Can be common vented when using metal vent.

When venting with high temperature plastic - it must be dedicated venting (must be "3") - Ultra vent and Plexco vent okay.

Vertical vent termination must be in a listed cap and 12" above maximum snow level.

Horizontal vent termination must be a minimum of 4' below, 4' horizontally, or 1' above any door, window, gravity air inlet, or gas or electric meter and 4' horizontally from any soffit or under eave vent. Do not terminate above walkways, planters, or patios. Must be at least 6' from an outside corner, 10' from forced air inlet.

#### MISCELLANEOUS INFORMATION/NOTES

Shipped as an upflow, can be easily converted to a counter flow or horizontal application.

No accessories that are required to be attached to the venting system to reduce heat loss and improve efficiencies have not been tested for use with this system.

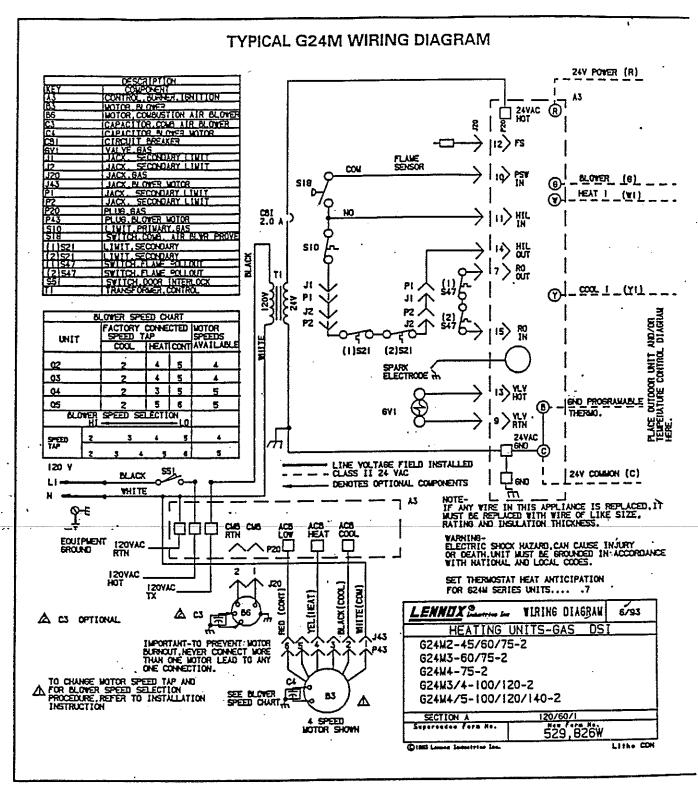
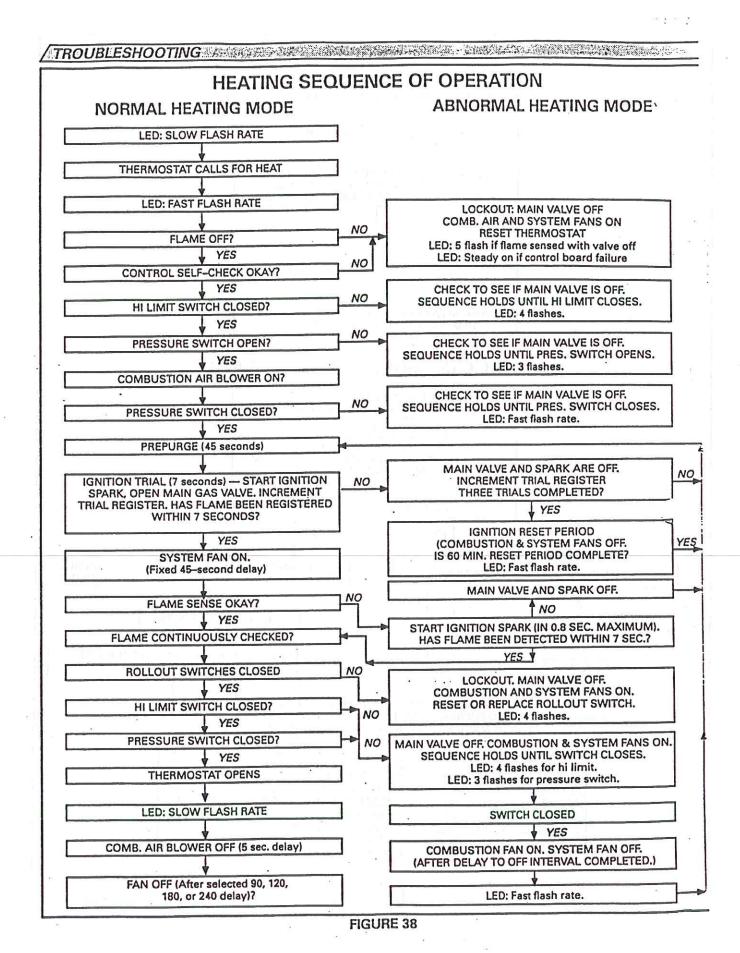
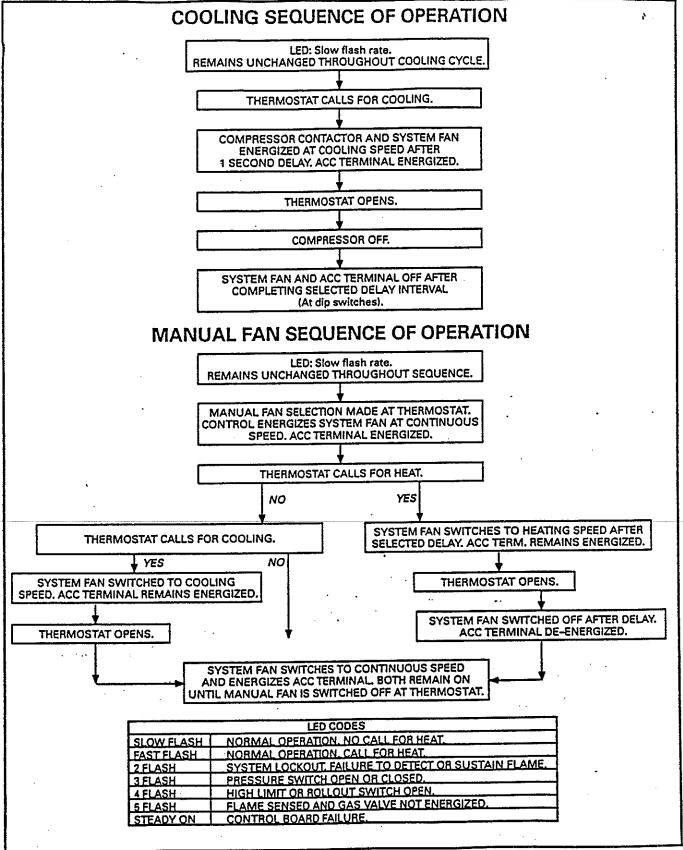


FIGURE 31





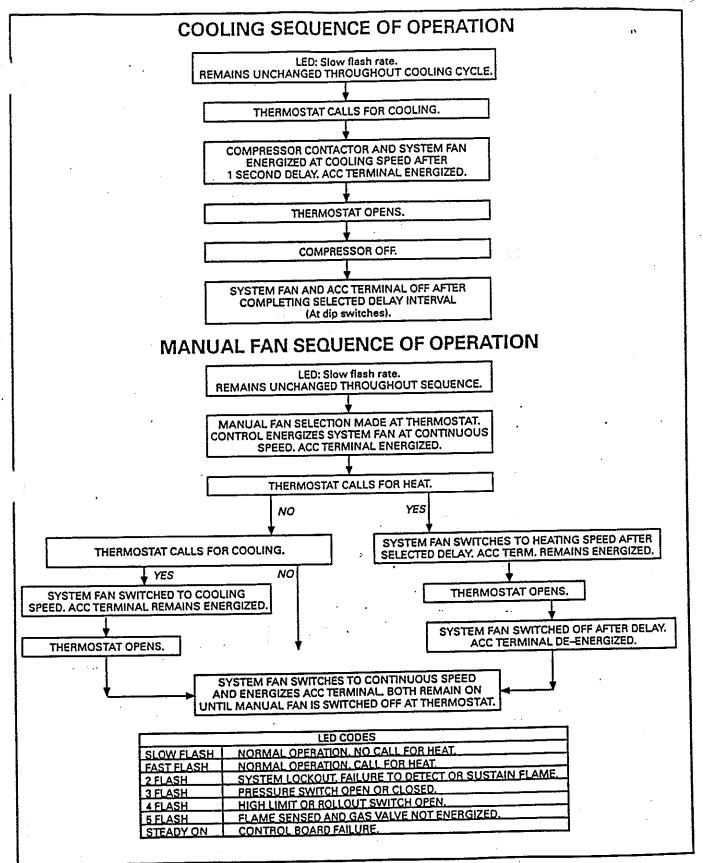
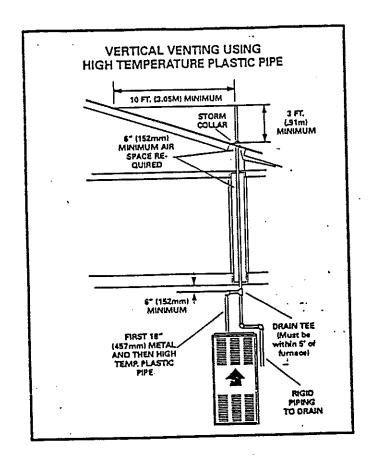
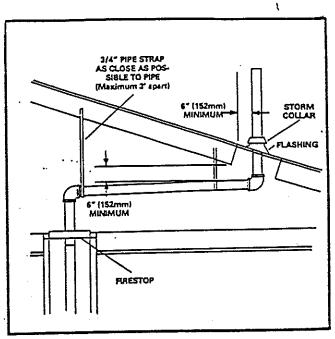
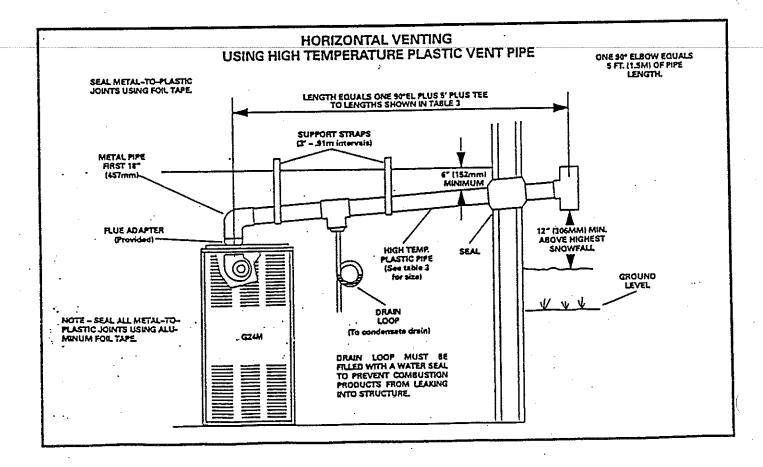


FIGURE 39









ESTABLISHED 1895



CORPORATE OFFICES

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March 28, 1994

### Dear Lennox Dealer:

Current unresolved issues concerning safety and reliability of plastic vent pipe have come to our attention through recent announcements in the province of Ontario, Canada.

Effective immediately, and until all issues are resolved, do not sidewall vent any Lennox mid-efficiency natural gas or propane furnace, unit heater or boiler. This notice applies to any metal vent material and any plastic vent products sold under the trade names of Plexvent, Ultravent or Sel-vent. This would include all G23, G24M, 80MGF, LF24, CXEB and CMWB units approved for horizontal vent. All information included in installation instructions is superseded by this builetin.

We would recommend that the above products be vented through a vertical vent in accordance with the latest vent sizing tables.

As a part of this notification, any previous certification for installation of plastic vent pipe provided by Lennox Industries is hereby withdrawn.

When all issues have been satisfactorily resolved, recertification by the vent pipe manufacturers will be required for use of this product in the horizontal vent application.

All questions concerning integrity of current installations using plastic vent pipe should be forwarded to the vent pipe manufacturer.

Yours truly,

LENNOX INDUSTRIES INC.