

BETTER LOOK

A BETTER PLACE™



DAVE LENNOX
signature
COLLECTION™

Protect Your Investment -- Proper Maintenance is Your Responsibility

CB31MV

Premium Quality,
Since 1895 --
from the Company
You Trust



Congratulations,
you have made a
wise choice with the
purchase of your
Lennox

CB31MV air handler. Lennox
prides itself in manufacturing high
quality products that keep you
comfortable and keep your month-
ly energy bills low, year
after year.

WARRANTIES

Your Unit is
Covered by
One of the Best
Warranties in the
Industry

At Lennox, our products are as
good as our word. All
covered components
in your new
CB31MV air
handler are
backed by a 5-year
limited parts warran-
ty. That's a promise of
quality no other manufacturer can
match.

Your air handler includes a sheet
which outlines the warranty and
its conditions. Keep your warranty
along with other important records
concerning the purchase and
maintenance of your heating and
cooling equipment.

You should be aware that failure to
maintain your system as outlined
in this manual will void your
equipment warranty.

MAINTENANCE

Keep Your
System in Top
Form Year
After Year

In order to ensure peak perfor-
mance, your system must be prop-
erly maintained. Clogged filters
and blocked airflow prevent your
unit from operating at its most effi-
cient level.

Access to your filter could not be
more convenient. The filter access
panel is easily removed without the
need for tools. The single filter
slides easily in and out of the unit
on rails. Your filter may be
installed in a return air register lo-
cated in a wall or ceiling. Ask your
Lennox dealer to show you where
your indoor unit's filter is located.

The filter should be checked
monthly and replaced, or cleaned,
when necessary. The filter size is
printed on a label affixed to the fil-
ter access panel. A label with the
word "washable" indicates that
your unit is equipped with a re-us-
able foam filter. These filters can
be cleaned with a mild soap and
water solution. Rinse the filter
thoroughly and let it dry complete-
ly before it is returned to the unit.
Take note of the filter air flow ar-
row when replacing your filter.

The filter and all access panels
must be in place any time the unit
is in operation.

Important!

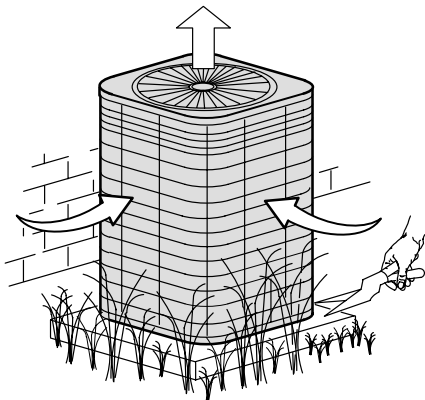
Turn off electrical power to the unit
at the disconnect switch before per-
forming any maintenance. The unit
may have multiple power supplies.

Your system may be equipped with an indoor air quality accessory which will provide respiratory relief by removing a large percentage of all airborne particles which pass through it. If it is, ask your dealer to instruct you on its maintenance.

Your CB31MV air handler may be matched with an optional control which provides additional comfort by helping to control humidity levels in the home during the cooling cycle.

Your indoor coil is equipped with a drain pan to collect condensate formed as your system removes humidity from the inside air. Have your dealer show you where the main condensate drain (and auxiliary drain, if applicable) runs and how to check the drain for any obstruction.

It is also very important to provide unrestricted airflow to the outdoor unit. Leaves, trash or shrubs crowding the unit cause the outdoor unit to work harder and use more energy. Keep shrubbery trimmed away from the unit and periodically check for debris which may have collected around the unit.



LENNOX DEALERS

Routine Maintenance -- Your Independent Lennox Dealer Can Help

Nobody knows more about the care and operation of your new Lennox equipment than your Lennox dealer. Your Lennox dealer is your best choice for routine maintenance or service. Lennox' Quality Dealer Standards program ensures that when you call your Lennox dealer, you can count on prompt, courteous and professional service.

Before the start of each heating and cooling season, the following service checks should be performed by a qualified service technician.

As always, electrical power to the unit must be turned off prior to any unit maintenance.

- The outdoor and indoor coils should be inspected and cleaned. The outdoor coil may be flushed with a water hose.
- The refrigerant lines should be visually inspected and the coils should be checked for leaks.
- Wiring should be checked for loose connections.
- Voltage must be checked at the indoor and outdoor units (units operating).
- The amp-draw at the outdoor fan motor and indoor blower motor should be checked. Values should be compared with those given on unit nameplate.
- Indoor unit filters should be cleaned or replaced.
- The refrigerant charge should be checked and system pressures should be gauged.
- The condensate drain line should be checked for free and unobstructed flow and it should be cleaned, if necessary.

UNIT OPERATION

Getting to Know Your Unit

Your air handler may be matched with an outdoor heat pump. If so, the heat pump has several characteristics that you should be aware of:

Your heat pump satisfies heating demand by delivering large amounts of warm air into the living space. This is quite different from gas- or oil-fired furnaces or an electric furnace which deliver lower volumes of considerably hotter air to heat the space.

Do not be alarmed if you notice frost on the outdoor coil in the winter months. Frost develops on the outdoor coil during the heating cycle when temperatures are below 45°F (7°C). An electronic control activates a defrost cycle lasting 5 to 15 minutes at preset intervals to clear the outdoor coil of the frost. During the defrost cycle, you may notice steam rising from the outdoor unit. This is a normal occurrence. The thermostat may engage auxiliary heat during the defrost cycle to satisfy a heating demand; however, the unit will return to normal operation at the conclusion of the defrost cycle.

The heat pump may be equipped with a compressor crankcase heater which protects the compressor from refrigerant slugging during cold weather operation. If power to your unit has been interrupted for several hours or more, set the room thermostat selector to the "Emergency Heat" setting to obtain temporary heat without the risk of serious equipment damage. In this operating mode, all heating demand will be satisfied by auxiliary heat. Compressor operation is locked out during Emergency Heat operation. After a six-hour compressor crankcase heater warm-up period, the thermostat can be switched to the "Heat" setting and normal operation will resume.

THERMOSTAT OPERATION -- COMFORT IS AT YOUR FINGERTIPS

Your air handler may be used with either an air conditioner or heat pump. Though your thermostat may vary somewhat from the description below, its operation will be similar.

Temperature Setting Levers

Most heat pump thermostats have two temperature selector levers: one for heating and one for cooling. Set the levers or dials to the desired temperature setpoints for both heating and cooling. Avoid frequent temperature adjustment; turning the unit off and back on before pressures equalize puts stress on the unit compressor.

Fan Switch

In AUTO or INT (intermittent) mode, the indoor blower operates only when the thermostat calls for heating or cooling. This mode is generally preferred when humidity control is a priority. The ON or CONT mode provides continuous indoor blower operation, regardless of whether the compressor or auxiliary heat are operating. This mode is required when constant air circulation or filtering is desired.

System Switch

Set the system switch for heating, cooling or auto operation. The auto mode allows the heat pump to

automatically switch from heating mode to cooling mode to maintain predetermined comfort settings. Many heat pump thermostats are also equipped with an emergency heat mode which locks out heat pump operation and provides temporary heat supplied by the auxiliary heat.

Indicating Light

Most heat pump thermostats have an amber light which indicates when the heat pump is operating in the emergency heat mode.

Temperature Indicator

The temperature indicator displays the actual room temperature.

Programmable Thermostats

Your Lennox system may be controlled by a programmable thermostat. These thermostats provide the added feature of programmable time-of-day setpoints for both heating and cooling. Refer to the user's information manual provided with your particular thermostat for operation details.

BEFORE YOU CALL

*Be Prepared with
the
Information Your
Dealer
Will Need*

If your system fails to operate, check the following before calling for service:

- Check to see that all electrical disconnect switches are ON.
- Make sure the room thermostat temperature selector is properly set.
- Make sure the room thermostat system switch is properly set.
- Replace any blown fuses, or re-set circuit breakers.
- Make sure unit access panels are in place.
- Make sure air filter is clean.
- Locate unit model number and have it handy before calling.



Dealer Name: _____

Address: _____

Phone Number: _____

Unit Model Number: CB31MV _____

Installation Date: _____