

USER'S INFORMATION MANUAL

BOLBF, BOLBR, BOLHF, BOLHR, BOLUF

Oil-Fired Furnaces

Save these instructions for future reference

⚠ 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. For assistance or additional information, consult a qualified installer or service agency.

⚠ WARNING

Do not store combustible materials, including gasoline and other flammable vapors and liquids, near the furnace, vent pipe, or warm air ducts. The furnace area must not be used as a broom closet or for any other storage purposes. Such uses may result in actions that could cause property damage, personal injury, or death.

⚠ CAUTION

Never burn garbage or paper in the heating system and never leave rags, paper, or any flammable items around the unit.

⚠ CAUTION

Installation and service must be performed by a qualified installer or service agency.

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Manufactured By
Blue Summit LLC
 8201 C National Turnpike
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(P) 506792-01B

Congratulations...

...you have one of the most modern oil furnaces made. Your unit has been carefully selected to keep you warm and comfortable during the winter months. It will deliver superb performance with only minimal help from you.

To keep your operating costs low and to eliminate unnecessary service calls, we have provided a few guidelines to help you with your furnace. These guidelines will help you understand how your furnace operates and how to maintain it so you can get years of safe and dependable service.

For your safety – read before operating

This appliance is equipped with an ignition device which automatically lights the burner. **Do not try to light the burner by hand.**

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

Periodic Inspections

Your oil furnace is designed to give many years of efficient, satisfactory service. However, the varied air pollutants commonly found in most areas can affect longevity and safety. Chemicals contained in everyday household items such as laundry detergents, cleaning sprays, hair sprays, deodorizers, and other products which produce airborne residuals may have an adverse affect upon the metals used to construct your furnace.

It is important that you visually inspect the conditions of the burner and vent from the furnace. A flashlight will be useful for these inspections. Make one inspection prior to the beginning of the heating season and another during the middle. Should you observe unusual amounts of rust, flakes or other deposits, coatings, or corrosion, it is important that you call your authorized dealer at once to obtain a qualified service inspection. Even if no unusual rust or other deposits are observed, **it is recommended that the furnace be inspected and serviced at least once per year by a qualified service technician.**

Operating Your Furnace

Lighting Instructions

1. **STOP!** Read the previous safety information.
2. Set the thermostat to the lowest setting. Turn off electric power to the appliance.
3. This appliance is equipped with an ignition device. **Do not try to light the burner by hand.**
4. Check the oil supply valve.
5. Turn on electric power to the appliance.
6. Set the thermostat to the desired setting.
7. The burner should light and the system should be controlled by the thermostat. If the appliance will not operate, call your service technician.

What to do if your unit is not heating properly

If your unit is operating but fails to provide complete comfort, check the following before calling for service:

1. Be sure the thermostat setting is correct.
2. Check to see if the filter is clean.
3. Be sure air can circulate freely throughout your home. Do not block supply registers or return grilles with furniture or rugs.

And if you also have cooling...

4. Keep surface of the outdoor coil free from dirt, lint, paper, or leaves.
5. Check and clean indoor coil if necessary. (This check should be made at the start of each cooling season by your service technician.)

What to do if your unit fails to operate

1. Be sure the main switch that supplies power to the unit is in the "ON" position.
2. Replace any burned-out fuses or reset circuit breakers.
3. Be sure the thermostat is properly set.
4. If the unit still does not start, call your service technician.

Temperature Control

There are many types and styles of thermostats. Yours may look different from the one pictured in Figure 1, depending on the type of thermostat and whether cooling was installed with the system. However, almost all thermostats perform the same basic functions described in the following section.

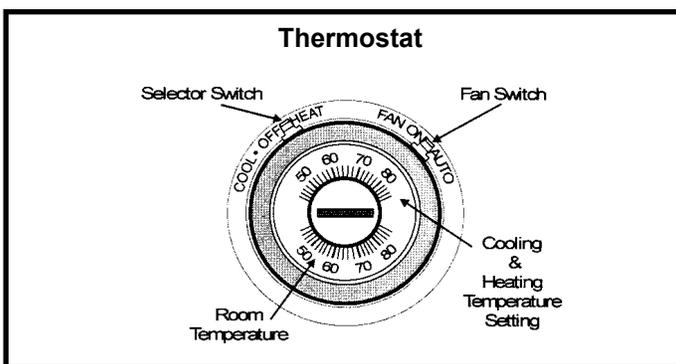


Figure 1

Thermostat Operation (when you have heating only)

The thermostat is the only control you'll need to set, as the furnace is completely automatic. Just set the temperature to the desired comfort level.

Thermostat Operation (when you have heating and cooling)

There are two switches located on the thermostat. One switch controls the heating and cooling functions. The other switch is for "FAN" operation, either continuous or automatic. On the thermostat is the temperature range for the heating temperature and the cooling temperature desired.

To put the system into operation, push the switch to either "HEAT" or "COOL" position.

After you have chosen the type of operation you desire, move the thermostat dial or lever to select the temperature you would like the system to maintain.

Fan Operation

You may wish to increase your comfort by setting your system for continuous air circulation of the indoor air. The fan switch on the thermostat permits you to do this (see Figure 1).

With the switch in the "ON" position the fan will operate continuously. "AUTO" position gives fan operation only when the unit is in either heating or cooling.

Maintenance Of Your Furnace

There are routine maintenance steps you should take to keep your unit operating efficiently. This will assure longer life, lower operating costs, and fewer service calls. The steps given in this publication are easy to follow and are not time consuming. Certain service and maintenance procedures require the skill of a trained service person who has specialized tools and training for their use. Please call your dealer for service. Personal injury can result if you are not qualified to do this work.

Cleaning/Replacing the Filter

⚠ WARNING

Always turn off the power to your furnace before removing the doors or filters. Failure to turn the power off could result in property damage, personal injury, or death.

It is very important to clean or replace the air filter regularly. A dirty air filter can sharply increase the operational costs of your unit...in some cases it can double the cost. **The air filter should be inspected at least every 6 weeks and cleaned or replaced as required.**

The unit may contain either a disposable filter or a permanent filter. The type of filter may be indicated on a label attached to the filter. If a disposable filter is provided, replace with the same type and size as the original filter. If a permanent filter is provided, clean filter and place back in furnace. To clean a permanent filter, shake filter to remove excess dirt and/or use a vacuum cleaner. Wash filter in soap or detergent water and replace after filter is dry.

If your air distribution system has a central return air filter-grille, you do not need a filter in your furnace. Be sure to clean the filter-grille as recommended above.

Dirty filters are the most common cause of inadequate heating or cooling performance. A clogged filter will not permit adequate airflow. This can cause heat exchanger failure or cooling coil freeze-up along with the accompanying costly service calls.

The dealer may have changed the filter size, so the information provided in Table 1 may not apply to your installation.

Always measure the original filter and replace with the same size and type.

Factory-Supplied Filters	
Models	Size
BOLUF	16" X 25"
BOLBE, BOLBR (57/72, 84/95)	18" X 19"
BOLBE, BOLBR (112/125)	19" X 21"
BOLBR (140/168)	20-1/8" X 22-7/16"
BOLBR (168/196)	24-5/8" X 24-3/8"

Models BOLHF and BOLHR are not equipped with factory-supplied filters. The filters for these units are supplied in the field.

Table 1

Upflow Units

To replace the filter in an upflow unit, refer to the following directions and Figure 2.

Side Return

To replace the filter in a furnace with an external filter rack or cabinet on either side of the furnace cabinet:

1. Turn off the power to unit.
2. The filter(s) may be removed by sliding toward the front. Replace in a reverse procedure.

Bottom Return

To replace the filter in a furnace with a bottom return air:

1. Turn off the power to unit.
2. Remove lower front panel by lifting up and pulling out.
3. The filter(s) may be removed by sliding toward the front. Replace in a reverse procedure.

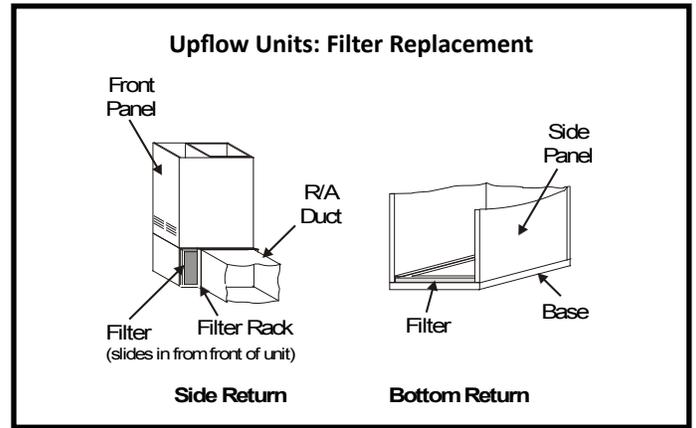


Figure 2

Basement Units

To replace the filter in a basement unit (see Figure 3):

1. Turn off power to unit.
2. Remove lower rear panel by lifting up and pulling out.
3. The filter(s) may be removed by sliding out through the rear of the furnace. To reinsert, place filter on the two filter supports and slide into unit.

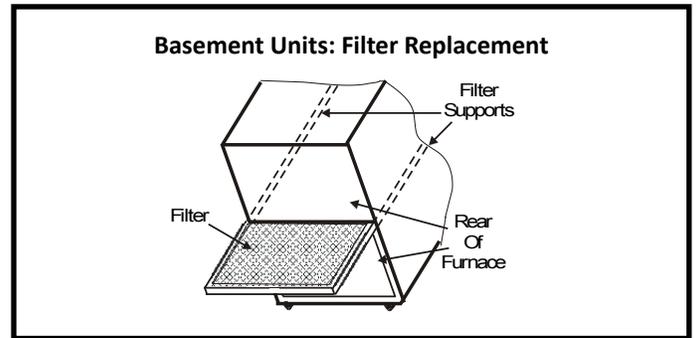


Figure 3

Restore power to the furnace after the door or panel has been replaced and check furnace for proper operation. If the unit does not operate, call your dealer for service.

Lubrication

Lubrication of the bearings in the circulating air blower motor and the combustion blower motor is not recommended.

Combustion and Ventilation Air

Adequate air must reach your furnace to provide for proper and safe operation. **Any obstruction of this airflow can cause an unsafe condition which may result in death or permanent injury. Lethal carbon monoxide gas can be produced if combustion air is restricted.**

Furnaces located in a closet, alcove, or utility room must have provision for adequate air supply by means of upper and lower grilles in the door, or by the introduction of outside air, or both. National codes and local code requirements are generally alike. However, local codes take precedence.

Venting and Furnace Support

Venting of this furnace must comply with our published instructions. If the installer has not followed these requirements, you should request the installer to comply as soon as possible.

Make sure all flue product materials external to the furnace are clear and free of any obstruction, slope upward, and have no holes or leaks.

It is important that the outside area where the vent terminates is kept clear of any obstructions which might block or impede the venting of the furnace.

Should any unusual conditions be observed during your inspections, call your authorized service dealer at once.

Return Air

Check that all return air duct connections are tight and sealed to the furnace cabinet and that all return air grilles or registers are located outside the space containing the furnace.

BLUE SUMMIT LLC
EQUIPMENT LIMITED WARRANTY
APPLIES IN U.S.A. AND CANADA ONLY
FAILURE TO MAINTAIN YOUR EQUIPMENT WILL VOID THIS WARRANTY

COVERED EQUIPMENT

The following heating and cooling equipment is covered by the Limited Warranty,
Condensing Units: BA13, BA16
Heat Pumps: BHP15, BHP16LT
Gas Furnaces: BG801UHP, BG801UHE, BG802UHV, BG921UHP, BG951UHP, BG951UHE, BG952UHV, BG961UHE
Oil Furnace: BOL83BF, BOL83BR, BOL83HF, BOL83HR, BOL83UF
Air Handlers: BE5C, BE5E, BE5V
Package Equipment: BPHP14, BPGE14

PARTS and COMPRESSOR COVERAGE

The covered equipment and covered parts and compressor are warranted by Blue Summit for a period of five (5) years from the date of the original installation, when installed in a residential application (which includes homes, duplexes, apartments and condominiums). The covered equipment and covered parts are warranted for a period of one (1) year and compressor is warranted for five (5) years by Blue Summit from the date of the original installation, when installed in non-residential applications. If, during this period, a covered component fails because of a manufacturing defect, Blue Summit will provide a free replacement part to the owner through a licensed service contractor utilizing an Blue Summit distributor. You must pay shipping charges and all other costs of warranty service. Blue Summit will not pay labor involved in diagnostic calls or in removing, repairing, servicing or replacing parts. Such cost may be covered by a separate warranty provided by the installer.

HEAT EXCHANGER COVERAGE

All covered heat exchangers are warranted by Blue Summit for a period of twenty (20) years from the date of original installation in a residential application. Heat exchangers in all non-residential applications are warranted for a period of ten (10) years.

NOTE: In the event that a component covered by this warranty is no longer available, Blue Summit, at its option, through a established Blue Summit distributor, will provide a free suitable substitute component or will allow a credit toward the purchase of an equivalent new Blue Summit product (at the current suggested distributor's cost).
If the date of original installation cannot be verified, the warranty period will be deemed to begin six (6) months after the date of manufacture.

EXCLUDED COMPONENTS

The following components are not covered by this warranty: cabinets, cabinet pieces, air filters, driers, refrigerant, refrigerant line sets, belts, wiring, fuses, oil nozzles, unit accessories and any parts not affecting unit operation.

CARE OF EQUIPMENT

Your new Blue Summit unit must be properly installed, operated and maintained in accordance with the unit installation, operation and maintenance instructions provided with each Blue Summit unit. Failure to provide maintenance per Blue Summit instructions will void this warranty.

WARRANTY PROCEDURE

When service or warranty parts are required:

1. Call your local licensed service dealer or contractor
2. If the installing dealer is unable to provide warranty service, check online at www.alpinehomeair.com.
3. Be prepared to furnish the following information:
 - a. Complete model and serial number
 - b. Proof of required periodic maintenance, installation date and location.
 - c. An accurate description of the problem

WARRANTY LIMITATIONS

1. All installation must be in compliance with applicable laws, regulations, codes, and ordinances.
2. Products purchased over the internet or through other electronic means must be installed by a qualified installer and the installation must adhere to the Quality Installation protocols of the Air Conditioning Contractors of America (ACCA), and these products must be registered with the manufacturer within 60 days of installation for the warranty to be in place.
3. This warranty is void if the covered equipment is removed from the original installation site.
4. This warranty does not cover damage or defect resulting from:
 - a. Flood, wind, fire, lightning, mold, or installation and operation in a corrosive atmosphere, or otherwise in contact with corrosive materials (chlorine, fluorine, salt, recycled waste water, urine, fertilizers, or other damaging substances or chemicals). Accident, or neglect or unreasonable use or operation of the equipment including operation of electrical equipment at voltages other than the range specified on the unit nameplate (includes damages caused by brownouts).
 - b. Modification, change or alteration of the equipment, except as directed in writing by Blue Summit.
 - c. Operation with system components (indoor unit, outdoor unit and refrigerant control devices) which are not an AHRI match or meet the specifications recommended by Blue Summit.
 - d. Operation of furnaces with return air temperatures of less than 60°F (16°C) or operation of a furnace field installed downstream from a cooling coil.
 - e. Use of contaminated or refrigerant not compatible with the unit.

The installation of replacement parts under the terms of this warranty does not extend the original warranty period.

Blue Summit makes no express warranties other than the warranty specified above. All implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are excluded to the extent to a period legally permissible. Should such exclusion or limitation of the warranty be unenforceable, such implied warranties are in any event limited to a period of one (1) year. Liability for incidental and consequential damages is excluded. Some states do not allow limitation of incidental damages, so the limitations or exclusions may not apply to you. Blue Summit will not pay electricity or fuel costs, or increases in electricity or fuel costs, for any reason whatsoever, including additional or unusual use of supplemental electric heat. This warranty does not cover lodging expenses or labor charges.

Blue Summit shall not be liable for any default or delay in performance under this warranty caused by any contingency beyond its control.
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NOTE TO CUSTOMER

Please complete information below and retain this warranty for your records and future reference.

Outside Unit Model Number: _____ Serial Number: _____ Installed Date: _____

Furnace / Air Handler: _____ Serial Number: _____ Installed Date: _____

Installing Company Name: _____ Phone: _____

Installing Company Address: _____ State/Province: _____ Zip/Postal Code: _____

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(09/22/2017)

