# Gas-Fired Warm Air Furnace
# User's Information Manual

**WARNING**

**If the information in these instructions 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.**

**AVERTISSEMENT**

**RISQUE D'INCENDIE OU D'EXPLOSION**

**Si les consignes de sécurité ne sont pas suivies à la lettre,cela peut entraîner la mort, de graves blessures ou des dommages matériels.**

**— Ne pas entreposer ni utiliser d'essence ni autres vapeurs ou liquides inflammables à proximité de cet appareil ou de tout autre appareil.**

**— QUE FAIRE SI UNE ODEUR DE GAZ EST DÉTECTÉE**

**• Ne mettre en marche aucun appareil.**

**• Ne toucher aucun interrupteur électrique; ne pas utiliser de téléphone dans le bâtiment.**

**• Quitter le bâtiment immédiatement.**

**• Appeler immédiatement le fournisseur de gaz en utilisant le téléphone d'un voisin. Suivre les instructions du fournisseur de gaz.**

**• Si le fournisseur de gaz n'est pas accessible, appeler le service d'incendie.**

**— L'installation et l'entretien doivent être effectués par un installateur ou une entreprise d'entretien qualifié, ou le fournisseur de gaz.**

**Installer** - Affix this manual, Installation Guide, and Warranty adjacent to the appliance.

**Owner** - Read and keep all product literature in a safe place for future reference.

**PROP 65 WARNING**
**FOR CALIFORNIA CONSUMERS**

**WARNING**

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

0140M00517-A

**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. To reduce exposure or for further information, consult material safety data sheets available from the address shown below.**

*Due to policy of continual product improvement, the right is reserved to change specifications and design without notice.*

**RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.**

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**WARNING**

**Should overheating occur or the gas supply fail to shut off, turn off the manual gas shutoff valve external to the furnace before turning off the electrical supply.**

**WARNING**

**To prevent possible property damage, personal injury or death due to electrical shock, the furnace must be located to protect the electrical components from water.**

Dear Homeowner, please recognize the following safety information. This information will alert you to the potential for personal injury.

**WARNING - Indicate hazards or unsafe practices which COULD result in severe personal injury or death.**

**WARNING**

**To avoid possible equipment damage, personal injury, fire or death, the following instructions must be observed regarding unit location, air requirements and operating procedures.**

**WARNING**

**Heating unit should not be utilized without reasonable, routine, inspection, maintenance and supervision. If the building in which any such device is located will be vacant, care should be taken that such device is routinely inspected, maintained and monitored. In the event that the building maybe exposed to freezing temperatures and will be vacant, all water-bearing pipes should be drained, the building should be properly winterized, and the water source closed. In the event that the building may be exposed to freezing temperatures and will be vacant, any hydronic coil units should be drained as well and, in such case, alternative heat sources should be utilized.**

## IMPORTANT NOTE TO THE OWNER REGARDING PRODUCT LIMITED WARRANTY

Your limited warranty certificate is supplied as a separate document with the unit installed by your contractor. Read the limited warranty certificate carefully to determine what is and is not covered and keep the warranty certificate in a safe place. If you are unable to locate the warranty certificate please contact your installing contractor or contact customer service (877-254-4729) to obtain a copy.

*Before using this manual, check the serial plate for proper model identification.*

*The installation and servicing of this equipment must be performed by qualified, experienced technicians only.*

## UNIT LOCATION

1. The furnace area and the vicinity of any other gas appliances must be kept clear and free of combustible materials, gasoline, and other flammable vapors and liquids. Also, do not store or use flammable items such as paint, varnish, or lacquer in the area.
2. Do not store or use chlorine or fluorine products (bleaches, cements, strippers, aerosols) near the unit. They can corrode the heat exchanger.
3. Do not use the furnace closet as storage for brooms, mops, brushes and oily rags or cloths. The area must be kept clear, clean and free of lint. Furnace must be kept free and clear of exposed or loose insulation materials in the area of installation. Examine the furnace area when the furnace or additional insulation is added since some insulation materials may be combustible.
4. Make sure the furnace is always connected to an approved vent, in good condition, to carry combustion products outdoors.
5. Familiarize yourself with the controls that shut off the gas and electrical power to the furnace. If the furnace is to be shut down at the end of the heating season, turn off both the gas and electrical power. For safety, always turn the gas and electrical power off before performing service or maintenance on the furnace.
6. Establish a regular maintenance schedule to insure efficient and safe operation of the furnace. The furnace should be checked at the beginning of each heating and cooling season by a qualified service technician.

**WARNING**

**TO AVOID PERSONAL INJURY OR FIRE, MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES MUST BE FOLLOWED.**

7. Make certain the required clearances for the furnace are always maintained. These clearances are listed on the furnace clearance label. If any question develops, contact the installer of the furnace or another qualified servicer.

## UNIT INSTALLATION

Examine the furnace installation to determine the following:

1. All flue product carrying passages external to the furnace (i.e. chimney, vent connector) are clear and free of obstructions.
2. The vent connector is in place, slopes upward and is physically sound without holes or excessive corrosion.
3. The return air duct connection is physically sound, sealed to the furnace casing, and terminates outside the space containing the furnace.
4. The physical support of the furnace is sound without sagging, cracks, or gaps around the base so as to provide a seal between the support and the base.
5. There are no obvious signs of deterioration of the furnace.
6. Check for proper burner flame performance. Flame should extend directly outward from burners without curling, floating, or lifting off.

## AIR REQUIREMENTS

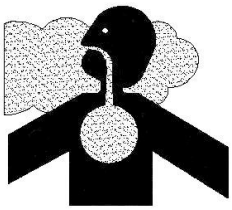
**WARNING**

**TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, SUFFICIENT FRESH AIR FOR PROPER COMBUSTION AND VENTILATION OF FLUE GASES MUST BE SUPPLIED. MOST HOMES REQUIRE OUTSIDE AIR BE SUPPLIED INTO THE FURNACE AREA.**

Improved construction and additional insulation in homes have reduced the heat loss and made these homes much tighter around doors and windows so that air infiltration is minimal. This creates a problem to supply ventilation and/or combustion air for gas fired or other fuel burning appliances. Any use of appliances that pull air out of the house (clothes dryers, exhaust fans, fireplaces, water heaters, non-direct vent furnaces, etc.) could reduce combustion air to the furnace.

If fuel-burning appliances are starved for air, the flue gases produced may not vent outdoors properly. These flue gases may include carbon monoxide.

**DANGER**
**PELIGRO**



**CARBON MONOXIDE POISONING HAZARD**

**Special Warning for Installation of Furnace or Air Handling Units in Enclosed Areas such as Garages, Utility Rooms or Parking Areas**

**Carbon monoxide producing devices (such as automobiles, space heater, gas water heater, etc.) should not be operated in enclosed areas such as unventilated garages, utility rooms or parking areas because of the danger of carbon monoxide (CO) poisoning resulting from the exhaust emissions. If a furnace or air handler is installed in an enclosed area such as a garage, utility room or parking area and a carbon monoxide producing device is operated therein, there must be adequate, direct outside ventilation.**

**This ventilation is necessary to avoid the danger of CO poisoning which can occur if a carbon monoxide producing device continues to operate in the enclosed area. Carbon monoxide emissions can be (re)circulated throughout the structure if the furnace or air handler is operating in any mode.**

**CO can cause serious illness including permanent brain damage or death.**

**B10259-216**

**RIESGO DE INTOXICACIÓN POR MONÓXIDO DE CARBONO**

**Advertencia especial para la instalación de calentadores ó manejadoras de aire en áreas cerradas como estacionamientos ó cuartos de servicio.**

**Los equipos ó aparatos que producen monóxido de carbono (tal como automóvil, calentador de gas, calentador de agua por medio de gas, etc) no deben ser operados en áreas cerradas debido al riesgo de envenenamiento por monóxido de carbono (CO) que resulta de las emisiones de gases de combustión. Si el equipo ó aparato se opera en dichas áreas, debe existir una adecuada ventilación directa al exterior.**

**Esta ventilación es necesaria para evitar el peligro de envenenamiento por CO, que puede ocurrir si un dispositivo que produce monóxido de carbono sique operando en el lugar cerrado.**

**Las emisiones de monóxido de carbono pueden circular a través del aparato cuando se opera en cualquier modo.**

**El monóxido de carbono puede causar enfermedades severas como daño cerebral permanente ó muerte.**

**B10259-216**

**RISQUE D'EMPOISONNEMENT AU MONOXYDE DE CARBONE**

**Avertissement special au sujet de l'installation d'appareils de chauffage ou de traitement d'air dans des endroits clos, tets les garages, les locaux d'entretien et les stationnementss.**

**Evitez de mettre en marche les appareils produisant du monoxyde de carbone (tels que les automobile, les appareils de chauffage autonome, etc.) dans des endroits non ventilés tels que les d'empoisonnement au monoxyde de carbone. Si vous devez faire fonctionner ces appareils dans un endroit clos, assures-vous qu'il y ait une ventilation directe provenant de l'exterier.**

**Cette ventilation est nécessaire pour éviter le danger d'intoxication au CO pouvant survenir si un appareil produisant du monoxyde de carbone continue de fonctionner au sein de la zone confinée.**

**Les émissions de monoxyde de carbone peuvent etre recircules dans les endroits clos, si l'appareil de chauffage ou de traitement d'air sont en marche.**

**Le monoxyde de carbone peut causer des maladies graves telles que des dommages permanents au cerveau et meme la mort.**

**B10259-216**

Carbon monoxide or "CO" is a colorless and odorless gas produced when fuel is not burned completely or when the flame does not receive sufficient oxygen.

**Be aware of these air starvation signals which indicate conditions that my result in carbon monoxide or that carbon monoxide may be present:**

1. Headaches, Nausea, Dizziness, Flu-like symptoms.
2. Excessive humidity, heavily frosted windows or a moist "clammy" feeling in the home.
3. Smoke from a fireplace will not draw up the chimney.
4. Flue gases that will not draw up the appliance vent pipe.

## COMBUSTION AIR

The air for combustion and ventilation can also (where local codes permit) be obtained from the surrounding unconfined space or louvered closet door. Observe the following precautions concerning air availability:

- When a furnace is installed in a closet and the closet door is louvered, DO NOT OBSTRUCT LOUVERS. Louvers must be open and clear to provide combustion air to the furnace.
  - When a furnace is installed in a confined space within a home and the air for combustion and ventilation enters the space through ducts from the outside, be sure to routinely check the entering and outlet, grilled openings to verify that they are always clear and clean.
  - Do not partition off a small area around the furnace utilizing a non-louvered door. This could obstruct the combustion air from reaching the furnace.

## INDOOR HUMIDITY

Relative humidity is the amount of water vapor in the air relative to the amount the air can hold at the same temperature. The colder the air; the less moisture it can hold. As air is warmed, its ability to hold moisture is increased. Relative humidity is important to your health and home as proper humidification helps reduce respiratory difficulties and helps improve the indoor air quality.

A good relative humidity is one just high enough to barely start condensation along the lower edges or lower corners of the windows. More than that can be damaging.

Frequent fogging or excessive condensation on inside windows indicates the indoor humidity level is too high for outdoor weather conditions. Damage to the building may result if the condition persists. Condensation on inside of storm windows indicates a poor seal inside windows. Adding weather-stripping to tighten inside windows usually corrects this problem.

The following table shows the recommended maximum indoor humidity in relationship to the outdoor temperatures.

| Outdoor Temperature | Humidity | |
|---|---|---|
| | Single -Paned Glass | Double-Paned Glass |
| +30°F | 30% | 50% |
| +20°F | 20% | 40% |
| +10°F | 15% | 35% |
| 0°F | 10% | 30% |
| -10°F | 5% | 25% |
| -20°F | 5% | 20% |
| -30°F | 3% | 18% |

## PROPANE (LP) GAS INSTALLATIONS ONLY

For furnaces operating on propane gas, please review the following warnings before use.

**WARNING**

**TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, DUE TO EXPLOSION OR FIRE, INSTALL A GAS DETECTING WARNING DEVICE. SINCE THE ODORANT IN PROPANE GAS CAN BE REDUCED BY IRON OXIDE (RUST), A GAS DETECTING WARNING DEVICE IS THE ONLY RELIABLE METHOD TO DETECT PROPANE GAS LEAKS.**

**WARNING**

**IF THE GAS FURNACE IS INSTALLED IN A BASEMENT, AN EXCAVATED AREA OR CONFINED SPACE, IT IS STRONGLY RECOMMENDED TO CONTACT A PROPANE SUPPLIER TO INSTALL A GAS DETECTING WARNING DEVICE IN CASE OF A GAS LEAK.**

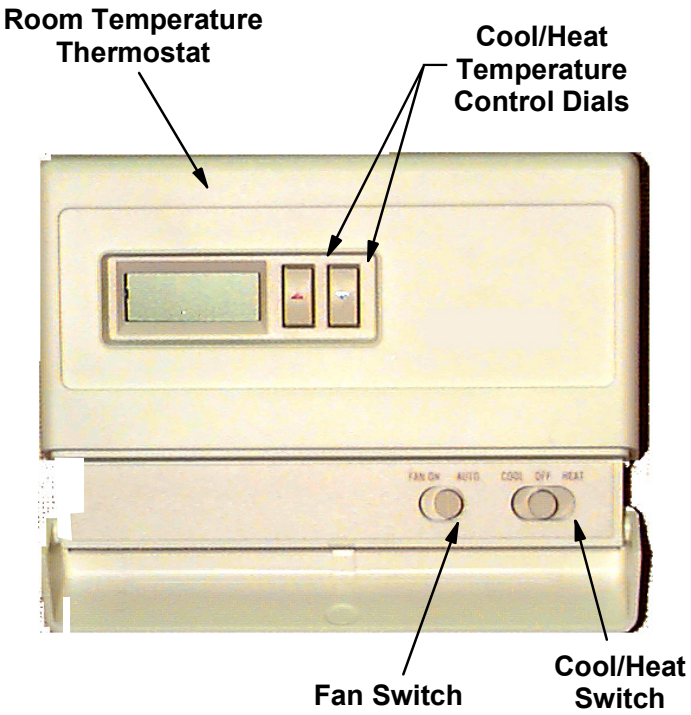
- **SINCE PROPANE GAS IS HEAVIER THAN AIR, ANY LEAKING GAS CAN SETTLE IN ANY LOW AREAS OR CONFINED SPACES.**
- **PROPANE GAS ODORANT MAY FADE, MAKING GAS UNDETECTABLE EXCEPT WITH A WARNING DEVICE.**

**WARNING**

**AN UNDETECTED GAS LEAK WILL CREATE A DANGER OF EXPLOSION OR FIRE. IF THE PRESENCE OF GAS IS SUSPECTED, FOLLOW THE INSTRUCTIONS ON THE COVER OF THIS MANUAL. FAILURE TO DO SO COULD RESULT IN SERIOUS PERSONAL INJURY OR DEATH.**

## THERMOSTAT FUNCTIONS

There are many types and styles of thermostats but operation is usually similar. BE SURE TO BECOME FAMILIAR WITH YOUR THERMOSTAT. The simplest type of thermostat only starts and stops the furnace to maintain the desired room temperature. The most widely used types will control both heating and cooling functions and will have a Fan Switch with Auto and ON settings. On Auto, the circulating air blower will cycle on/off with the furnace but if switched to ON it will run continuously regardless of whether or not heating or cooling is being provided.
In addition, there are thermostats which automatically switch from heating to cooling mode and those with night set back capability. The night set back, or multiple set back, type allows for a different temperature at night or during the day when no one is at home. Programmable thermostats will allow for more control and tailoring of the heating and cooling functions. The level of this control depends on the type of thermostat applied.




| System Switch | Fan Switch | Action |
|---|---|---|
| OFF | AUTO | None |
| COOL | AUTO | System only cools, fan cycles off and on. |
| COOL | ON | System only cools, fan runs all the time. |
| HEAT | AUTO | System only heats, fan cycles off and on. |
| HEAT | ON | System only heats, fan runs all the time. |
| OFF | ON | No heating or cooling, fan runs all the time. |

If this furnace is a part of the Goodman ComfortNet™ family of products, a ComfortNet thermostat may also be used to control this furnace. This thermostat is a programmable type that allows the setting of different temperatures during the night and during the day. It may also be set to automatically switch from heating to cooling. The fan switch may also be set to ON or Auto. The ComfortNet™ system also includes advanced set up and diagnostic features which is explained in the ComfortNet User Manual provided with the control.

## FURNACE OPERATION

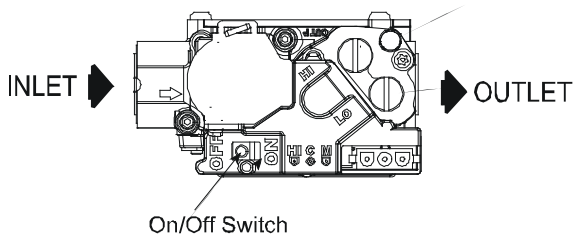
**WARNING**

**Electrical components are contained in both compartments. To avoid personal injury, electrical shock or death, do not remove any internal compartment covers. Contact a qualified servicer at once if an abnormal condition is noticed.**

Keep both doors in place except for inspection and maintenance. An interlock switch prevents furnace operation if the blower door is not in place.

### Furnace Start-Up

1. Close the external manual gas shut-off valve.
2. Turn off the electrical power to the furnace.
3. Set the room thermostat to the lowest possible setting.
4. Remove the burner compartment door.
5. This furnace is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
6. Move the furnace's gas valve ON/OFF switch to the OFF position.
7. Wait five minutes to clear out any gas. Then smell for gas, including near the floor as some types of gas are heavier than air.
8. If you smell gas following the five minute waiting period in step 7, immediately follow the instructions on the cover of this manual. If you do not smell gas after five minutes, move the furnace's gas valve ON/OFF switch to the ON position.
9. Replace the burner compartment door.
10. Open the external manual gas shut-off valve.
11. Turn on the electrical power to the furnace.
12. Adjust the thermostat to a setting above room temperature.
13. After the burners are lit, set the thermostat to desired temperature.




**White-Rodgers model 36G54/36J54 (two-stage)**

### Furnace Shut Down

To shut down your furnace, follow the steps listed below.

1. Set the thermostat to the lowest setting.
1. Integrated control closes gas valve extinguishing flame.
2. Induced draft blower is de-energized following a 15 second delay. The circulator blower is de-energized following a 90, 120, 150, or 180 second delay period.
3. Remove the burner compartment door.
4. Move the furnace's gas valve ON/OFF switch to the OFF position.
5. Close the external manual gas shut-off valve.
6. Replace the burner compartment door.

### Lockout Reset

Furnace lockout is characterized by a non-functioning furnace (circulator blower may be running continuously) providing a diagnostic LED code. Lockout results when a furnace control detects abnormal conditions. If the furnace is in "lockout", it may be reset by any of the following methods:

1. One hour automatic reset. Control will automatically reset itself and attempt to resume normal operations following a one hour lockout period.
2. Power interruption. Interrupt 115 volt power to the furnace for greater than 20 seconds.
3. Thermostat cycle. Interrupt thermostat signal to the furnace for between 0 and 20 seconds.

If the condition which originally caused the lockout still exists, the control will return to lockout. If your furnace frequently locks out, a problem exists which must be corrected. Contact a qualified servicer.

## ROUTINE MAINTENANCE

Maintenance is to be performed by a qualified service technician only. User maintenance is to be restricted to frequent air filter changes and to ensure the warnings and notices found elsewhere in this manual be followed. We recommend that at a minimum system maintenance be performed by a qualified service technician prior to the beginning of each heating season, and if equipped with air conditioning, prior to air conditioning season.

**WARNING**

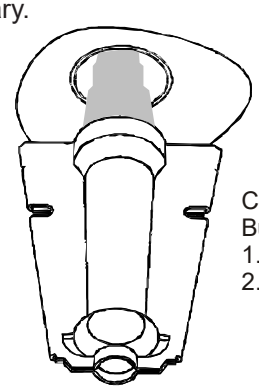
**PERSONAL INJURY OR DEATH MAY RESULT FROM IMPROPER MAINTENANCE PERFORMED BY UNTRAINED PERSONNEL. CALL YOUR INSTALLING DEALER OR OTHER QUALIFIED SERVICE COMPANIES TO PERFORM THE MAINTENANCE INSPECTION.**

**WARNING**

**HIGH VOLTAGE!**
**TO AVOID PERSONAL INJURY OR DEATH DUE TO ELECTRICAL SHOCK, DISCONNECT ELECTRICAL POWER BEFORE PERFORMING ANY SERVICE OR MAINTENANCE.**

### ANNUAL INSPECTION

The furnace should be inspected by a qualified installer, or service agency at least once per year. This check should be performed at the beginning of the heating season by a qualified technician. This will insure that all furnace components are in proper working order and that the heating system functions appropriately. Particular attention should be paid to the following items. Repair or service as necessary.



Check the
Burner Flames for:
1. Stable, soft and blue.
2. Not curling, floating or lifting off.

- Flue pipe system. Check for blockage and/or leakage. Check the outside termination and the connections at and internal to the furnace.
- Combustion air intake pipe system (where applicable). Check for blockage and/or leakage. Check the outside termination and the connection at the furnace.
- Heat exchanger. Check for corrosion and/or buildup within the heat exchanger passageways.
- Burners. Check for proper ignition, burner flame, and flame sense. Flames should extend directly outward from burners without curling, floating or lifting off.
- Wiring. Check electrical connections for tightness and/or corrosion. Check wires for damage.
- Drainage system. Check for blockage and/or leakage. Check hose connections at and internal to furnace.
- Filters. Check that filters are clean and in the proper placement in the furnace or duct system.

### MOTORS

The combustion air motor and indoor blower motor are permanently lubricated and require no further lubrication.

### FILTERS

**WARNING**

**TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, DISCONNECT ELECTRICAL POWER BEFORE REMOVING FILTERS OR PERFORMING ANY OTHER MAINTENANCE. NEVER OPERATE FURNACE WITHOUT A FILTER INSTALLED BECAUSE DUST AND LINT WILL BUILD UP ON INTERNAL PARTS RESULTING IN LOSS OF EFFICIENCY, EQUIPMENT DAMAGE OR POSSIBLE FIRE.**

A return air filter is not supplied with this furnace and cannot be installed inside the cabinet; however, a means of filtering all of the return air (intake) must be provided. Your installer will supply filters at the time of installation. Become familiar with filter location and procedures for removing, cleaning and replacing them.

If you need assistance, contact the installer of your furnace or another qualified servicer.

Filters must be inspected, cleaned or changed every two months or as required. As a homeowner, it is your personal responsibility to keep air filters clean. Remember that dirty filters are the most common cause of inadequate heating or cooling performance.

### FILTER REMOVAL

Depending on the installation, differing filter arrangements can be applied. Filters can be located in a central return grille or a side panel external filter rack (upflow only).
To remove filters from an external filter rack, follow the directions provided with external filter rack kit

### HORIZONTAL UNIT FILTER REMOVAL

Filters in horizontal installations are located in the central return register or the ductwork near the furnace.

To remove:
1. Turn OFF electrical power to furnace.
2. Remove filter(s) from the central return register or ductwork.
3. Replace filter(s) by reversing the procedure for removal.
4. Turn ON electrical power to furnace.

To remove all other filter configurations, consult with the installing contractor.

### Media Air Filter or Electronic Air Cleaner Removal

High efficiency filters are available in both electronic and non-electronic types. These filters can do a better job of catching small airborne particles. Contact your dealer for further information.

If using a Media or Electronic Air Cleaner, follow the directions provided with the air cleaner for proper filter removal, cleaning, and replacement.

### Filter Cleaning and/or Replacement

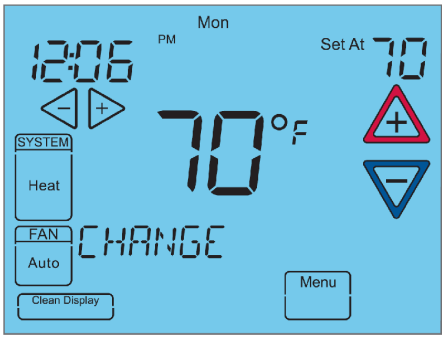
Disposable filters must be replaced with a filter or filters of the same size as that which is removed. Filters must comply with UL900 or CAN/ULC-S111 Standards.

Permanent filters must be cleaned, washed, and dried as specified by the filter manufacturer. If it becomes necessary to replace a permanent filter, it must be replaced with a filter or filters of the same size as that which is removed. Filters must comply with UL900 or CAN/ULC-S111 Standards.
When reinstalling filters, be careful to maintain correct airflow direction.

## TROUBLESHOOTING / BEFORE YOU REQUEST A SERVICE CALL

If your furnace is not operating or is performing improperly, take time to perform the following checks before requesting service. A couple of simple checks may allow you to avoid a service call. If the following steps do not resolve the problem, contact a qualified servicer for further troubleshooting and/or repairs. Do not attempt troubleshooting beyond that which is outlined in the following bullet points. Do not attempt repairs yourself.

- Check the blower compartment sight glass. If LED is flashing, record the number of flashes seen in sequence, shutdown your unit as outlined in the "Furnace Start-up" section and contact a qualified servicer for further troubleshooting and/or repairs. Refer to Installation Instructions for code identification. If not flashing, continue with checks.
- Check thermostat for proper operation. Verify that it is set on HEAT and that temperature (above room temperature) setting is appropriate.
- Check the electrical panel for tripped circuit breakers or failed fuses. Reset the circuit breakers or replace fuses as necessary.
- Check to see that the manual gas shut-off valve external to the furnace is in the ON position. If the valve is in the OFF position, turn the gas ON following the start up procedures outlined in the "Furnace Start-up" section.
- Check for dirty filter(s). This in the most common cause of improper furnace operation. Check your filter(s) at least once a month and replace or clean filters as necessary.
- Check for blocked return air or supply air grilles throughout your home. Grilles may be blocked by furniture, drapery, clothes, carpeting, etc. Clear any blockage.
- Check intake and vent terminations on high efficiency furnaces to make sure they are not blocked.
- If your furnace is part of a ComfortNet™ system, check the ComfortNet thermostat for diagnostic alerts or messages. If the system detects a serious fault in either the furnace or outdoor unit, the thermostat will display a "CALL FOR SERVICE" message and scroll the message "CHECK FURNACE". The thermostat may also scroll "CHECK AIR CONDITIONER" or "CHECK HEAT PUMP" if a serious fault is detected in the outdoor unit (message depends on type of outdoor unit.).




CHECK AIR CONDITIONER

CHECK AIR HANDLER

CHECK FURNACE

CHECK HEAT PUMP

# SAFETY LABELS

**NOTE: IF SAFETY LABELS ARE MISSING OR ILLEGIBLE, CONTACT THE INSTALLING DEALER OR OUR CUSTOMER SERVICE DEPARTMENT FOR ORDERING INFORMATION.**

## FOR YOUR SAFETY READ BEFORE OPERATING

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

A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

B. BEFORE OPERATING 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 any 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 lever. Never use tools. If the lever will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

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

## LIRE AVANT DE METTRE EN MARCHE LIRE

AVERTISSEMENT: Quiconque ne respecte pas à la lettre les instructions dans le presØnt manuel risque de dØtencher un incendie ou une explosion entraînant des dommages matØriels, des lesions corporelles ou la perte de vies humaines.

A. Cet appareil ne comporte pas de veilleuse. Il est muni d'un dispositif d'allumage qui allume automatiquement le brßleur. Ne pas tenter d'allumer le brßleur manuellement.

B. AVANT DE LE FAIRE FONCTIONNER, renifler tout autour de l'appariel pour decØler une odeur de gaz. Renifler prØs du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.

QUE FAIRE S'IL Y A UNE ODEUR DE GAZ

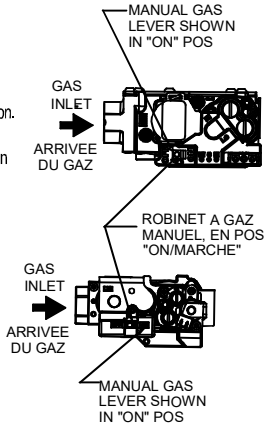
- Ne pas tenter d'allumer d'appareils.
- Ne toucher à aucun interrupteur; ne pas vous servir des tØlØphones dans le bâtiment.
- Appelez immØdiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur de gaz
- Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.»

C. Ne pousser ou tourner la manette d'admission du gaz qu'à la main. Ne jamais emploer d'outil à cette fin. Si la manette reste coincØe, ne tenter pas de la rØparer; appelez un technicien qualifiØ Quiconque tente de forcer la manette ou de la rØparer peut provoquer une explosion ou un incendie.»

D. Ne pas se servir de cet appareil s'il a ØØplongØdans l'eau, mØme partiellement. Faire inspecter l'appareil par un technicien qualifiØet remplacer toutr partie du systØme de contrôle et toute commande qui ont ØØ plongØes dans l'eau.»

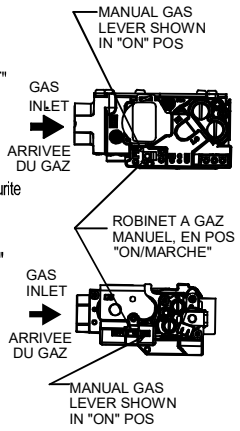
## OPERATING INSTRUCTIONS

1. STOP! Read the safety infrmation above on this label.
2. Set the thermostat to lowest setting.
3. Turn off all electric power to the appliance.
4. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
5. Push the gas control lever to "OFF" Position. Do not force.
6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety. information above on this label if you don't smell gas, go to next step.
7. Push gas control lever to "ON".
8. Replace access panel.
9. Turn on all electric power to the appliance.
10. Set thermostat to desired setting.
11. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas company.




## MISE EN MARCHE

1. ARRÊTEZ Lisez les instructions de sØcuritØdans la section supØrieure de cette Øtiquette.
2. RØgler le thermostat à la tempØrature la plus basse.
3. Couper l'alimentation Øectrique de l'appareil.
4. Cet appareil menager etant dote d'un systeme d'allumage automatique, ne pas essayer à allumer le brßleur manuellement.
5. Pousse le levier du contrÔle du gaz a "OFF/ ARRET" position.
6. Attendre cinq (5) minutes pour laisser echapper tout le gaz. Renifler tout autour de l'appareil, y compris prØs du plancher, pour dØceler une odeur de gaz. Si c'est le cas, ARRÊTEZ. Passer à l'etape B des instructions de securite sur la portion superieure de cette etiquette. S'il n'y a pas d'odeur de gaz, passer à l'etàpe suivante.
7. Pousse le levier du contrôle du gaz à "ON/MARCHE" position.
8. Remettre en place le panneau d'accØs.
9. Mettre l'appareil sous tension.
10. RØgler le thermostat à la tempØrature dØsirØe.
11. Si l'appareil ne se met pas en marche, suivre les instructions intitulØs Comment couper l'admission de gaz de l'appareil et appeler un technicien qualifiØ ou le fournisseur de gaz.




## TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Push the gas control lever to "OFF" Position. Do not force.
4. Replace control access panel.

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## POUR COUPER L'ADMISSION DE GAZ DE L'APPAREIL

1. RØgler le thermostat à la tempØrature la plus bassØ
2. Couper l'alimentation Øectrique de l'appareil s'il faut procØder à des operations d'entretien.
3. Pousse le levier du contrôle du gaz à "OFF/ ARRET" position. Ne pas forcer.
4. Remettre en place le panneau d'accØs.

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# SAFETY LABELS

## ⚠ WARNING

RISK OF ELECTRIC SHOCK. CAN CAUSE INJURY OR DEATH: DISCONNECT ALL REMOTE ELECTRIC POWER SUPPLIES BEFORE SERVICING. THIS COMPARTMENT MUST BE CLOSED EXCEPT WHEN SERVICING.

## ⚠ AVERTISSEMENT

DANGER DE CHOC ÉLETRIQUE OU DE MORT. COUPEZ TOUT LE COURANT AVANT TOUT ENTRETIEN OU RÉPARATION. LE COMPARTEMENT DOIT RESTER FERMER SAUF PENDANT LÉNTRETIEN.

## ⚠ ADVERTENCIA

PELIGRO DE CHOQUE ELÉCTRICO O MUERTE. DESCONECTE TODAS LAS FUENTES DE ENERGÍA ELÉCTRICA ANTES DE MANTENIMIENTO O SERCICO TÉCNICO. EL COMPARTIMIENTO DEBE PERMANECECER CERRADO EXCEPTO DURANTE EL SERVICIO DE MANTENIMIENTO.

## ⚠ WARNING

HEATING UNITS SHOULD NOT BE UTILIZED WITHOUT REASONABLE ROUTINE INSPECTION, MAINTENANCE, AND SUPERVISION. IF THE BUILDING IN WHICH ANY SUCH DEVICE IS LOCATED WILL BE VACANT, CARE SHOULD BE TAKEN THAT SUCH DEVICE IS ROUTINELY INSPECTED, MAINTAINED, AND MONITORED. IN THE EVENT THAT THE BUILING IS EXPOSED TO FREEZING TEMPERATURES, ALL WATER-BEARING PIPES SHOULD BE DRAINED, THE BUILDING SHOULD BE PROPERLY WINTERIZED, AND THE WATER SOURCE CLOSED. SHOULD THE BUILDING BE EXPOSED TO FREEZING TEMPERATURES, ANY HYDRONIC COIL UNITS SHOULD BE DRAINED AS WELL; AND, IN SUCH CASE, ALTERNATIVE HEAT SOURCES SHOULD BE UTILIZED.

## ⚠ AVERTISSEMENT

UNITÉS DE CHAUFFAGE NE DEVRAIT ÉTRE UTILISÉ SANS RAISONNABLE INSPECTION DE ROUTINE, LA MAINTENANCE ET LA SUPERVISION, SI L'IMMEUBLE DANS LEQUEL UN TEL DISPOSITIF SE TROUVE SERA VACANTE, IL CONVIENT DE VEILLER À CE QUE CE TYPE D'APPAREIL EST RÉGULIÉREMENT INSPECTÉ ET ENTRETENU, ET SURVEILLÉS. DANS LE CAS OÙ L'IMMEUBLE EST EXPOSÉE À DES TEMPÉRATURES DE GEL, TOUTE L'EAU DES TUYAUX DE ROULEMENT DOIT ÉTRE VIDANGÉE, LE BÂTIMENT DEVRAIT ÊTRE CORRECTEMENT URBANO, ET LA SOURCE D'EAU FERMÉ. SI LE BÂTIMENT EST EXPOSÉ À DES TEMPÉRATURES DE GEL, AUCUNE BOBINE HYDRONIQUE UNITÉS DOIT ÊTRE VIDANGÉ AINSI; ET, DANS DE TELS CAS, D'AUTRES SOURCES DE CHALEUR DEVRAIT ÊTRE UTILISÉ.

## ⚠ WARNING

FIRE, EXPLOSION, AND ASPHYXIATION HAZARD
IMPROPER ADJUSTMENT, ALTERATION, SERVICE, MAINTENANCE OR INSTALLATION CAN CAUSE SERIOUS INJURY OR DEATH.
READ AND FOLLOW INSTRUCTIONS AND PRECAUTIONS IN USER'S INFORMATION MANUAL PROVIDED WITH THIS FURNACE. INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED SERVICE AGENCY OR GAS SUPPLIER.

## ⚠ AVERTISSEMENT

RISQUE D'INCENDIE ET D'ASPHYXIE
UN RÉGLAGE, UNE MODIFICATION, UNE RÉPARATION, UN ENTRETIEN OU UNE INSTALLATION INCORRECTE PEUT ENTRAINER DES BLESSURES GRAVES OU LA MORT. SUIVEZ LES INSTRUCTION ET LES CONSIGNES DANS LA NOTICE D'UTILISATION QUI ACCOMPAGNE CE GÉNÉRATEUR D'AIR CHAUD. L'INSTALLATION ET L'ENTRETIEN DOIVENT ÉTRE EFFECTUES PAR UN RÉPARATEUR QUALIFIÉ OU PAR LE FOURNISSEUR DE GAZ

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| ⚠ WARNING: FIRE, EXPLOSION AND ASPHYXIATION HAZARD | ⚠ WARNING: FIRE AND EXPLOSION HAZARD |
|---|---|
| IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, OR EXPOSURE TO SUBSTANCES IN FUEL OR FROM FUEL COMBUSTION WHICH CAN CAUSE DEATH OR SERIOUS ILLNESS, AND WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM. READ AND FOLLOW INSTRUCTIONS AND PRECAUTIONS IN USER'S INFORMATION MANUAL PROVIDED WITH THIS FURNACE. INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER. | CAN RESULT IN SERIOUS INJURY OR DEATH. DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE. STORAGE OF OR USE OF GASOLINE OR OTHER FLAMMABLE VAPORS OR LIQUIDS IN THE VICINITY OF THIS OR ANY APPLIANCE CAN RESULT IN SERIOUS INJURY OR DEATH. |
| ⚠ AVERTISSEMENT: RISQUE D'INCENDIE, D'EXPLOSION ET ASPHYXIE | ⚠ AVERTISSEMENT:RISQUE D'INCENDIE ET D'EXPLOSION |
| UN REGLAGE, UNE MODIFICATION, UN RÉPARATION, UN ENRETIEN OU UNE INSTALLATION INCORRECT PUET ENTRAÎNER DES BLESSURES GRAVES OU LA MORT. SUIVRE LES INSTRUCTION ET LES CONSIGNES QUI FIGURENT DANS LA NOTICE D'UTILISATION QUI ACCOMPAGNE CE GÉNÉRATEUR D'AIR CHAUD. L'INSTALLATION ET L'ENTRETIEN DOIVENT ÉTRE EFFECTURÉS PAR UN RÉPARATEUR QUALIFIÉ OU PAR LE FOURNISSEUR DE GAZ. | RISQUE DE BLESSURES GRAVES OU DE MORT. NE PAS ENTREPOSER NI UTILISER DE L'ESSENCE NI D'AUTRES VAPEURS OU LIQUIDES INFLAMMABLES DANS LE VOISINAGE DE CET APPAREIL, NI DE TOUT AUTRE APPAREIL. LE FAIT D'ENTREPOSER OU D'UTILISER DE L'ESSENCE OU D'AUTRES LIQUIDES OU VAPEURS INFLAMMABLES À PROXIMITÉ DE CET APPAREIL OU DE TOUT AUTRE APPAREIL PEUT CAUSER DES BLESSURES GRAVES OU LA MORT. |
| SEE INSIDE SURFACE OF BURNER COMPARTMENT DOOR FOR LIGHTING/OPERATING INSTRUCTIONS. | FILTER(S) SHOULD BE INSPECTED FREQUENTLY AND CLEANED WHEN NECESSARY. WHEN REPLACEMENT IS REQUIRED BE SURE TO USE THE SAME TYPE (CLASS 1 OR 2) AND SIZE ORIGINALLY INSTALLED AND THAT IT IS U.L.C.* CERTIFIED. *CANADIAN REQUIREMENT |
| LES INDICATIONS POUR L 'ECLAIRAGE ET LE SERVICE SE TROUVENT A LA SURFACE INTERIEURE LA PORTE DU COMPARTIMENT DU BRULEUR. | LES FILTRES DOIVENT ETRE FREQUEMMENT INSPECTES ET NETTOYES SI NECESSAIRE. REMPLACES-LES DE FILTRES DU MEME TYPE (CLASSE 1 OU 2) ET FORMAT QUE DANS L'EQUIPEMENT ORIGINAL. CERTIFIES PAR LE U.L.C. 22317001 |

## ⚠ DANGER

### CARBON MONOXIDE POISONING HAZARD

Special warning for installation of furnaces or air handling units in enclosed areas such as garages, utility rooms or parking areas. Carbon monoxide producing devices (such as automobiles, space heaters, gas water heaters, etc.) should not be operated in enclosed areas such as unventilated garages or utility rooms because of the danger of carbon monoxide (CO) poisoning resulting from the exhaust emissions. If a furnace or air handler is installed in an enclosed area and a carbon monoxide producing device is operated therein, there must be adequate direct outside ventilation. Carbon monoxide emissions can be (re)circulated throughout the structure if the furnace or air handler is operating in any mode. CO can cause serious illness including permanent brain damage or death.

## ⚠ DANGER

### RISQUE D'EMPOISONNEMENT AU MONOXYDE DE CARBONE

Avertissement special au sujet de l'installation d'appareils de chauffage ou de traitement d'air dans des endroits clos, tets les garages, les locaux d'entretien et les Stationnements. Evitez de mettre en marche les appareils produisant du monoxyde de carbone (tels que les automobile, les appareils de chauffage autonome,etc.) dans des endroits non ventilés tels que les d'empoisonnement au monoxyde de carbone. Si vous devez faire fonctionner ces appareils dans un endroit clos, assures-vous qu'il y ait une ventilation directe provenant de l'exterier . Les émissions de monoxyde de carbone peuvent etre recircules dans les endroits clos, si l'appareil de chauffage ou de traitement d'air sont en marche. Le monoxyde de carbone peut causer des maladies graves telles que des dommages permanents au cerveau et meme la mort.

## ⚠ PELIGRO

### RIESGO DE INTOXICACIÓN POR MONÓXIDO DE CARBONO

Advertencia especial para la instalación de calentadores ó manejadoras de aire en áreas cerradas como estacionamientos ó cuartos de servicio. Los equipos ó aparatos que producen monóxido de carbono (tal como automóvil, calentador de gas, calentador de agua por medio de gas, etc) no deben ser operados en áreas cerradas debido al riesgo de envenenamiento por monóxido de carbono (CO) que resulta de las emisiones de gases de combustión. Si el equipo ó aparato se opera en dichas áreas, debe existir una adecuada ventilación directa al exterior. Las emisiones de monóxido de carbono pueden circular a través del aparato cuando se opera en cualquier modo. El monóxido de carbono puede causar enfermedades severas como daño cerebral permanente ó muerte.

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**PRODUCT REGISTRATION**

Thank you for your recent purchase. Though not required to get the protection of the standard warranty, registering your product is a relatively short process, and entitles you to additional warranty protection, except that failure by California and Quebec residents to register their product does not diminish their warranty rights.

For Product Registration, please register as follows:
Goodman® Brand products: (https://www.goodmanmfg.com/product-registration).
Amana® Brand products: (http://www.amana-hac.com/product-registration).
You can also scan the QR code on the right for the product brand you purchased to be directed to the Product Registration page.

GOODMAN® BRAND

AMANA® BRAND

Most questions can be answered by your local dealer. For additional information, please call:

**CONSUMER INFORMATION LINE**
**TOLL FREE**
**1-877-254-4729 (U.S. only)**
**email us at: customerservice@goodmanmfg.com**
**fax us at: (731) 856-1821**
**(Not a technical assistance line for dealers.)**

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**Outside the U.S., call 1-713-861-2500.**
**(Not a technical assistance line for dealers.)**
**Your telephone company will bill you for the call.**

**To obtain the proper labels, the Model number and Serial Number of the unit must be supplied. These numbers are recorded on the nameplate of the furnace. For convenience, record this information here:**

**MODEL NUMBER: _ _ _ _ _ _ _ _ _ _ _ _ _**

5151 San Felipe St. Suite 500, Houston, TX 77056
*www.goodmanmfg.com•www.amana-hac.com*
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