



THROUGH THE WALL ROOM AIR CONDITIONER

WITH OPTIONAL ELECTRIC HEAT

INSTALLATION INSTRUCTIONS



ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.



RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.

IO-749F
February 2018

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IMPORTANT NOTE TO THE HOMEOWNER


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury for improper service procedures or services performed by an unqualified person.

IMPORTANT NOTE TO THE SERVICER

Read this manual and familiarize yourself with the specific items which must be adhered to before attempting to service this unit. The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

 **WARNING**

HIGH VOLTAGE
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



 **WARNING**

GOODMAN WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU INSTALL OR PERFORM SERVICE ON THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. MANY JURISDICTIONS REQUIRE A LICENSE TO INSTALL OR SERVICE HEATING AND AIR CONDITIONING EQUIPMENT.

OPERATING INSTRUCTIONS

Check the data specification plate and ensure the proper voltage and current rating is available for the type power plug on the unit. DO NOT REMOVE THE GROUNDING PRONG FROM THE POWER CORD. Note the types of acceptable plugs on the following figure.

Refer to the data serial plate for electrical requirements.

 **CAUTION**

TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH DUE TO ELECTRICAL SHOCK, DO NOT USE AN EXTENSION CORD WITH THIS UNIT.

UNIT FEATURES

This unit has many features which are different than those found on conventional units. The servicer must be familiar with these features in order to properly service the unit.

Check the data specification plate and ensure the proper voltage and current rating is available for the type power plug on the unit. DO NOT REMOVE THE GROUNDING PRONG FROM THE POWER CORD. Note the types of acceptable plugs in Figure 1. Do not use an extension cord for the installation of this product. Refer to the data serial plate for electrical requirements.

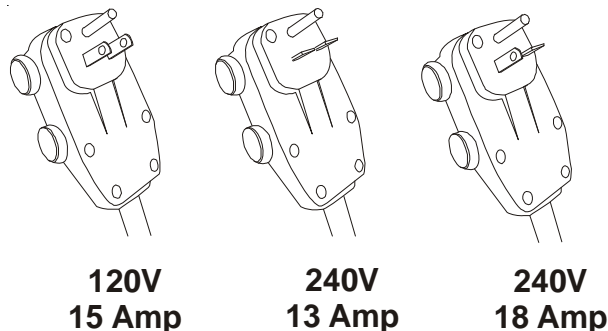
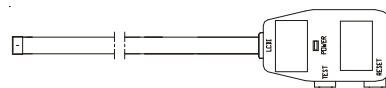



Figure 1

- **LCDI or AFCI Power Cords** - Underwriters Laboratories and the National Electric Code (NEC) now require power cords that sense current leakage and can open the electrical circuit to the unit on units rated at 250 volts or less. In the event that unit does not operate, check the reset button located on or near the head of the power cord as part of the normal troubleshooting procedure.




LCDI Power Cord

Figure 2

 **WARNING**

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DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.
TO PREVENT ELECTRICAL SHOCK, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, DO NOT REMOVE GROUNDING PRONG FROM PLUG. FOLLOW ALL OPERATING INSTRUCTIONS.



VOLTAGE MEASUREMENTS

Before connecting the unit, measure the supply voltage. Voltage must fall within the voltage utilization range given in the following table.

Operating Voltage		
Unit Voltage Rating	Voltage Utilization Range	
	Minimum	Maximum
230/280	187	253
115	103	126

INSTALLATION INSTRUCTIONS

To ensure that the unit operates safely and efficiently, it must be installed, operated, and maintained according to these installation and operating instructions and all local codes and ordinances, or, in their absence, with the latest edition of the National Electrical Code. The proper installation of this unit is described in the following sections. Following the steps in the order presented should ensure proper installation.

SLEEVE INSTALLATION

In order for condensate water to drain properly inside the unit, the sleeve must be installed properly:

- Level from right to left.
- A slight downward pitch from the indoor side to the outdoor side as shown in Figure 3.

Refer to the Installation Instructions supplied with the wall sleeve for a complete description of the installation procedure.

NOTE: Wall sleeve (PBWS01A) is not shipped with chassis and must be purchased separately.

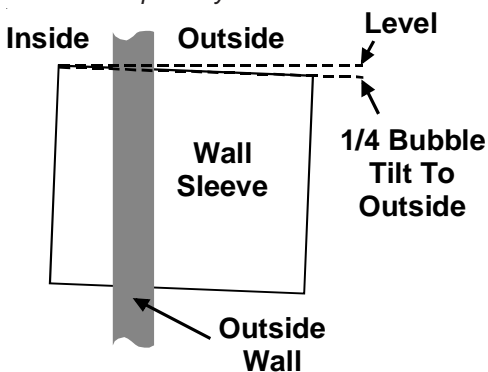


Figure 3

CHASSIS INSTALLATION

1. Remove front grille. See Figure A.

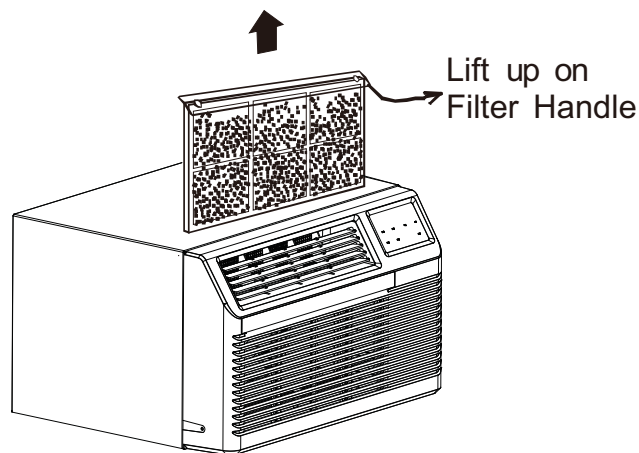
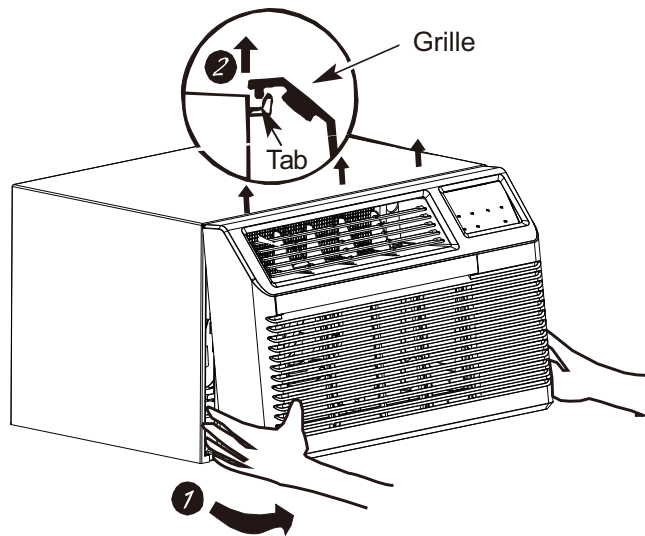


Figure A

The front grille can be removed for more thorough cleaning or to make the model and serial numbers accessible. To remove, pull the filter out and remove the four grille screws.



Pull the grille out from the bottom and lift up from the tabs on the top of the case.

2. Remove the grounding screw and wire next to the grounding symbol on right side of chassis control panel (Figure 3). Attach other end of ground wire to the hole in the bottom right side of the sleeve with #8 x 3/8" blunt point sheet metal screw. The hole on the sleeve is indicated by grounding symbol on the sleeve. Slide chassis part of the way into the sleeve and reattach the ground wire back to the hole on the right side on the control panel area next to the grounding symbol.

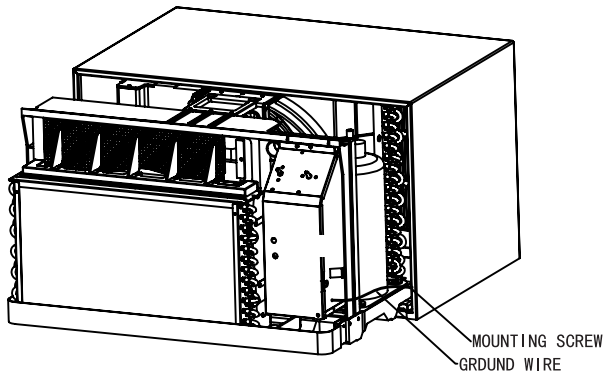


Figure 3

3. Remove shipping pads inside air conditioner next to compressor. (See Figure B.)

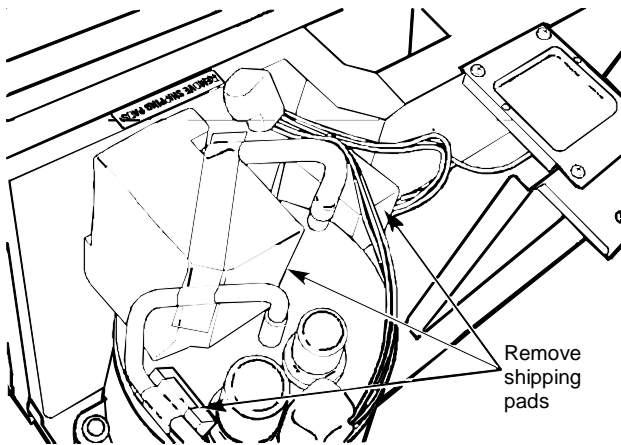


Figure B

4. Carefully slide the chassis into the sleeve. Ensure that the ground wire is not pinched or in the path of the condenser fan.
5. Loosen locking plate screw and rotate tab with tab behind wall case flange (See Figure C) then tighten locking plate screw.

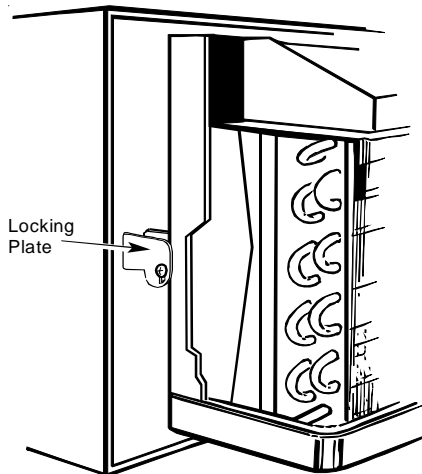


Figure C

6. If outlet is on the left side of the unit, route power cord as shown in Figure D.

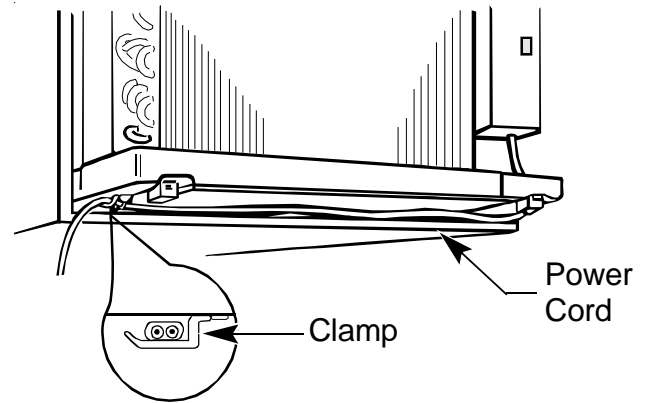
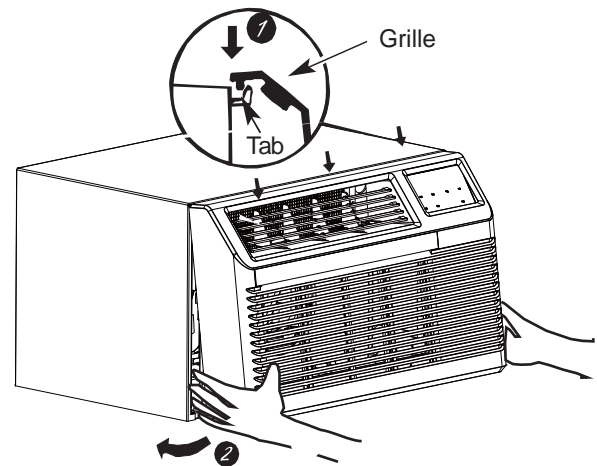


Figure D

To replace front grille:



Hook the tabs on the front grille even with the tabs on the case and snap into place. Replace the screws and filter. Refer to Page 3, Figure A.

VENT CONTROL AND AIR DIRECTION (See Figure E)

The vent control is located behind the front grille on the right side of the air discharge area. When set at **CLOSE** only the air inside the room will be circulated and conditioned. When set at **OPEN**, some inside air is exhausted outside.

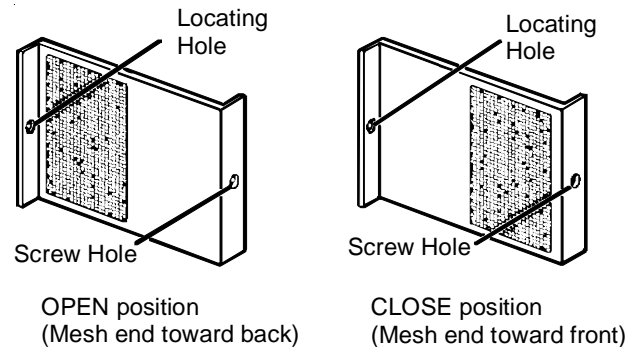


Figure E

To open or close the vent:

1. Remove the front grille.
2. Remove the vent card screw.
3. Remove the vent card, turn it over and replace it by locating rear hole in card over locating pin inside air discharge and reattaching screw at front.

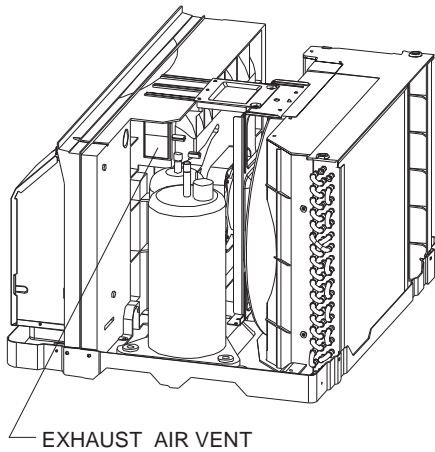
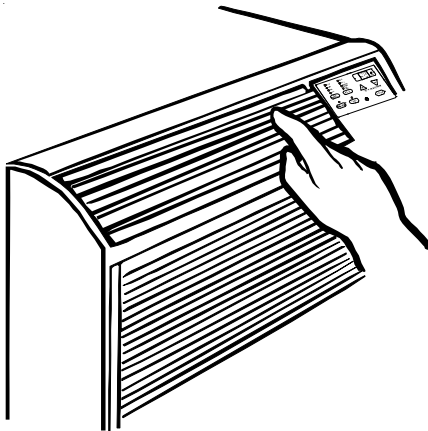


Figure 4

AIR DIRECTION:

Horizontal louvers on the front grille let you control the air direction up and down.



Remove the front grille to adjust the vertical louvers side-to-side to direct the air left or right.

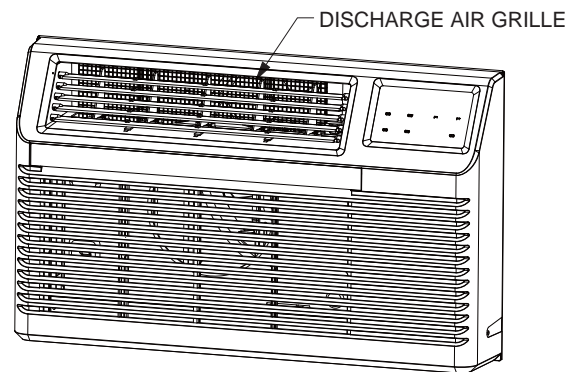
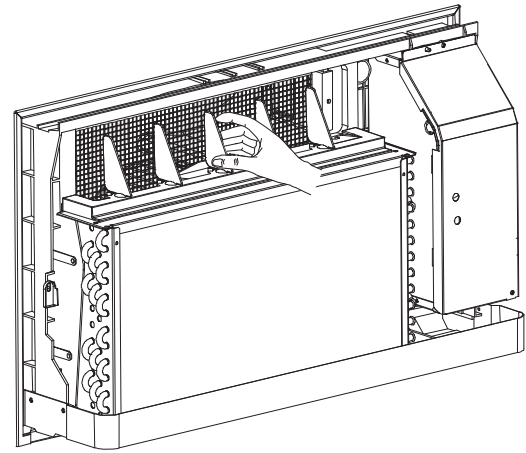


Figure 5

IMPORTANT NOTES:

1. The unit is equipped with a rubber-grommet-mounted compressor. These grommets are factory set and require no adjustment.
2. Obstruction to air flow must be checked and removed. Check the indoor and outdoor grilles for obstructions. The unit must be located where curtains, furniture, trees, or other objects do not block air flow to and from the unit. If air is obstructed and/or deflected back into the unit, the air conditioner's compressor may cycle on and off rapidly. This could cause damage to the compressor.

WIRING

Before wiring the unit, please review the following warnings and cautions.



CAUTION

TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH DUE TO ELECTRICAL SHOCK, DO NOT USE AN EXTENSION CORD WITH THIS UNIT.



CAUTION

TO AVOID THE RISK OF PROPERTY DAMAGE, PERSONAL INJURY OR FIRE, USE ONLY COPPER CONDUCTORS.



CAUTION

TO AVOID THE RISK OF PERSONAL INJURY, WIRING TO THE UNIT MUST BE PROPERLY POLARIZED AND GROUNDED.



CAUTION

TO AVOID THE RISK OF PROPERTY DAMAGE, PERSONAL INJURY OR FIRE, DO NOT INSTALL WITH POWER CORD STRETCHED OR UNDER A STRAIN AS THIS MAY CREATE A LOOSE PLUG/RECEPTACLE CONNECTION.



WARNING

THIS AIR CONDITIONER IS NOT MEANT TO PROVIDE UNATTENDED COOLING OR LIFE SUPPORT FOR PERSONS OR ANIMALS WHO ARE UNABLE TO REACT TO THE FAILURE OF THIS PRODUCT.

THE FAILURE OF AN UNATTENDED AIR CONDITIONER MAY RESULT IN EXTREME HEAT IN THE CONDITIONED SPACE CAUSING OVER-HEATING OR DEATH OF PERSONS OR ANIMALS. TAKE PROPER PRECAUTIONS TO AVOID UNATTENDED OPERATION.



WARNING

HIGH VOLTAGE

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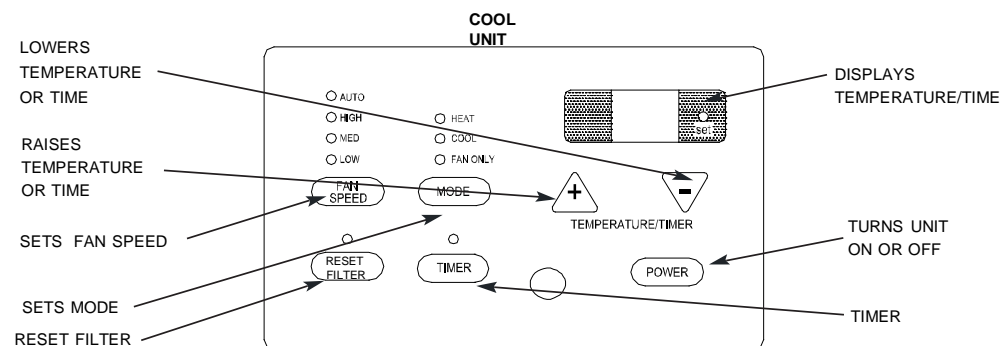
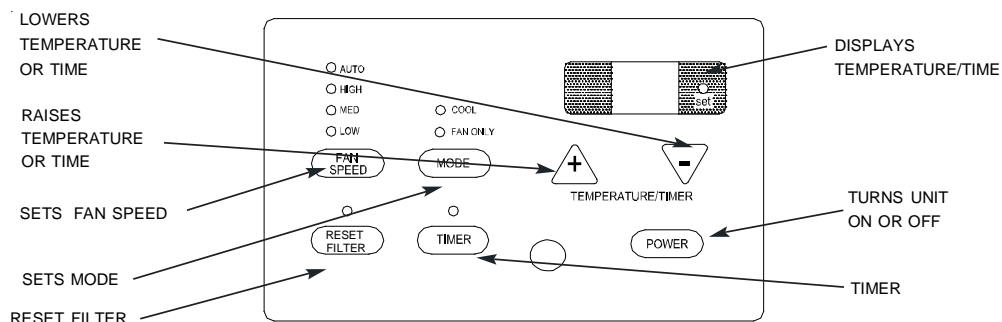
DO NOT SERVICE THIS UNIT WITHOUT FIRST OPENING ALL DISCONNECTS AND/OR REMOVING THE UNIT CORD SET PLUG FROM THE WALL OUTLET.



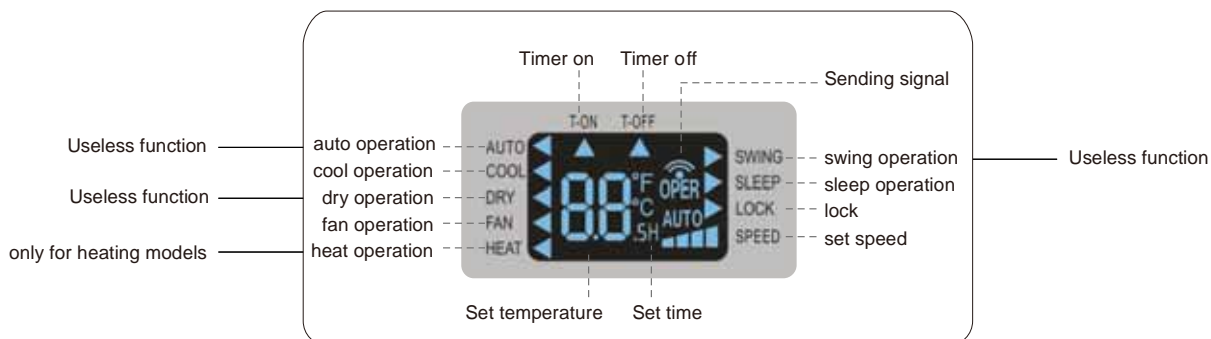
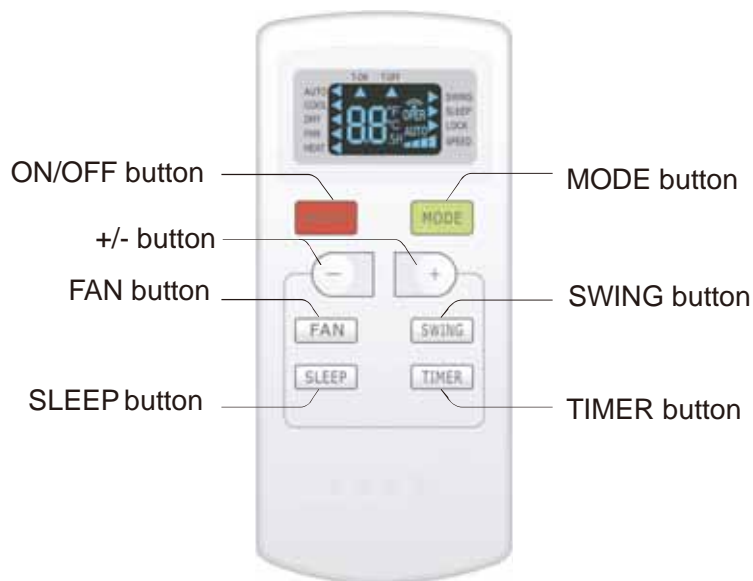
AIR CONDITIONER FEATURES

ELECTRONIC CONTROL OPERATING INSTRUCTIONS

Before you begin, thoroughly familiarize yourself with the control panel and remote as shown below and all its functions. Then follow the symbol for the functions you desire. The unit can be controlled by the touch pad alone or with the remote.




ELECTRIC HEATER UNIT



AIR CONDITIONER FEATURES


Notice:

- When power is connected (stand by condition), you can operate the air conditioner through the remote control.
- When unit is on, each time you press the button on the remote control, the sending signal icon “” on the display of remote control will blink once. If the air conditioner gives out a beep sound, it means the signal has been sent.
- When unit is off, set temperature will be displayed on the remote control. *If the light of indoor unit display is turned on, the corresponding icon will be displayed.* When the unit is on, it will display the icon of the on-going function.
- This is a general use remote control, it could be used for air conditioners with multifunction. For some function, which the model doesn't have, if press the corresponding button on the remote control that the unit will keep the original running status.

1 ON/OFF button

Press this button to turn unit on/off.

2 MODE button

Pressing this button once can select your required mode circularly as below (the corresponding icon “” will be lit up after the mode is selected):



**Only for models with heating function.*





- When selecting auto mode, the air conditioner will operate automatically according to ambient temperature. Set temperature can't be adjusted and won't be displayed either. Press FAN button to adjust fan speed.
- When selecting cool mode, the air conditioner will operate under cool mode. Then press + or - button to adjust set temperature. Press FAN button to adjust fan speed.
- When selecting dry mode, the air conditioner will operate at low fan speed under dry mode. In dry mode, the fan speed can't be adjusted.
- When selecting fan mode, the air conditioner will operate in fan mode only. Then press the FAN button to adjust fan speed.
- When selecting heat mode, the air conditioner will operate under heat mode. Then press + or - button to adjust the set temperature. Press FAN button to adjust fan speed. *Cooling only units can't receive heating mode signal. If setting HEAT mode by the remote control, pressing the ON/OFF button can't turn on the air conditioner.*

Note: The unit can only receive the signal for cool/fan/heat and it has no action when receiving the signal of other mode.

3 +/- button

- Pressing “+” or “-” button once will increase or decrease set temperature by 1°F(°C). Hold “+” or “-” button for 2 seconds, set temperature on remote controller will change quickly. Release the button after your required set temperature is reached.
- When setting Timer On or Timer Off, press “+” or “-” button to adjust the time. *See TIMER Button for setting details.*

4 FAN button

Pressing this button can select fan speed circularly as: AUTO, SPEED 1 () , SPEED 2 () , SPEED 3 () , SPEED 4 () .



Note:

- Under Auto speed, air conditioner will select proper fan speed automatically according to ambient temperature.
- Fan speed can't be adjusted under Dry mode.

5 SWING button

“Note: Swing functions are not available for this model.”

6 SLEEP button

Under Cool, Heat and Dry mode, press this button to turn on Sleep function. Press this button to cancel Sleep function. Under Fan and Auto mode, this function is unavailable.

7 TIMER button

- When unit is on, press this button to set Timer Off. T-OFF and H icon will be blinking. Within 5 seconds, press “+” or “-” button to adjust the time for Timer Off. Pressing “+” or “-” button once will increase or decrease the time by 0.5h. Hold “+” or “-” button for 2 seconds, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-OFF and H icon will stop blinking.
- When unit is off, press this button to set Timer On. T-ON and H icon will be blinking. Within 5 seconds, press “+” or “-” button to adjust the time for Timer On. Pressing “+” or “-” button once will increase or decrease the time by 0.5h. Hold “+” or “-” button for 2 seconds, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-ON and H icon will stop blinking.
- Cancel Timer On/Off: If Timer function is set up, press TIMER button once to review the remaining time. Within 5 seconds, press TIMER button again to cancel this function.

Note:

- Range of time setting is: 0.5~24h.
- The interval between two motions can't exceed 5 seconds, otherwise the remote control will exit setting status.

Child lock function

Pressing “+” and “-” buttons simultaneously can turn on or turn off child lock function. When child lock function is started, LOCK indicator on remote control is ON. If you operate the remote control, remote control won't send signal.

Temperature display switchover function

Under OFF status, press “-” button and “MODE” button simultaneously can switch between °C and °F.

1. After putting through the power, press “ON/OFF” button on remote controller to turn on the air conditioner.
2. Press “MODE” button to select your required mode: AUTO, COOL, DRY, FAN, HEAT.
3. Press “+” or “-” button to set your required temperature. (Temperature can't be adjusted under auto mode).
4. Press “FAN” button to set your required fan speed: auto, low, medium and high speed..
5. Press “SWING” button to select fan blowing angle.

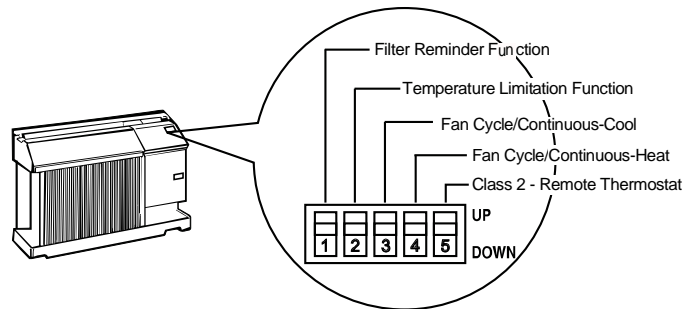
NOTICE

- During operation, point the remote control signal sender at the receiving window on indoor unit.
- The distance between signal sender and receiving window should be no more than 8m, and there should be no obstacles between them.
- Fluorescent lamp or wireless telephone may interfere with the signal. Remote control should be close to indoor unit during operation.
- Replace new batteries of the same model when replacement is required.
- When you don't use remote controller for a long time, please take out the batteries.
- If the display on remote controller is fuzzy or there's no display, replace the batteries.

AUXILIARY CONTROLS-DIP SWITCHES

The auxiliary dip switch controls are located behind the room cabinet-as shown in the following figure.

The owner is responsible for checking switches and ensuring they are in the desired position.

**Class 2 - Remote Thermostat***

When this switch is enabled (UP), it allows the unit to operate with a Class 2 Remote Control Wall Thermostat. The unit controls are disabled. The default setting is DOWN (disabled). To use the wall thermostat*, Thermostat Control Conversion Kit* (PBTCK01) should be purchased and installed in the unit. (* Purchased Separately)

Filter Reminder Function

When this switch is enabled (DOWN), an LED will light up the user interface after 250 hrs. of accumulated fan run time. It serves as a reminder to clean the filter. When this switch is disabled (UP), the function is disabled. The default setting is DOWN (enabled).

Temperature limitation function

When this switch is disabled (DOWN), the setting temp range is from 61°F to 86°F. When this switch is enabled (UP), the setting temp range is from 65°F to 86°F in cooling and 61°F to 78°F in heating. The default setting is DOWN (disabled). Display always shows full range 61°F (16°C) to 86°F (30°C).

Fan Cycle/Continuous - Cool

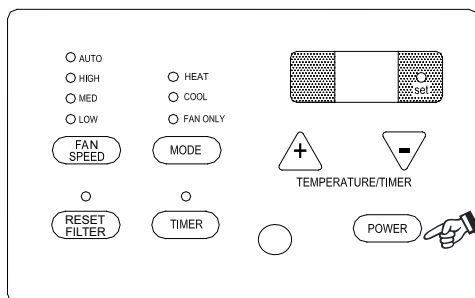
When this switch is enabled (DOWN), it allows the indoor fan to cycle on/off with the compressor. When this switch is disabled (UP), it allows the indoor fan to run continuously. The default setting is DOWN (fan cycle).

Fan Cycle/Continuous - Heat

When this switch is enabled (DOWN), it allows the indoor fan to cycle on/off with the heater or the compressor operation. When this switch is disabled (UP), it allows the indoor fan to run continuously. The default setting is DOWN (fan cycle).

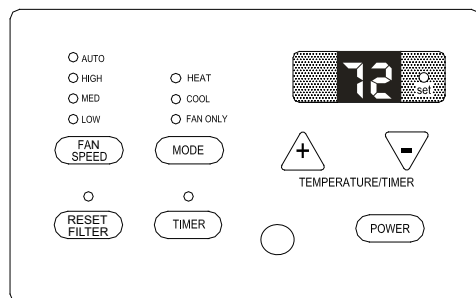
AIR CONDITIONER FEATURES (continued):

TO TURN UNIT ON:

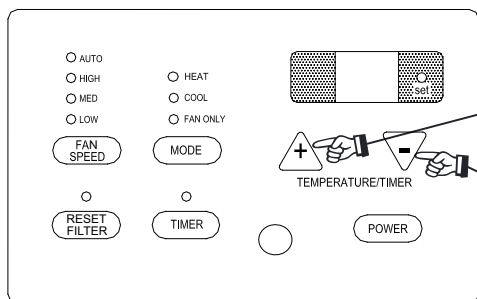


DO THIS:
PRESS ON/OFF
BUTTON

YOU WILL SEE:

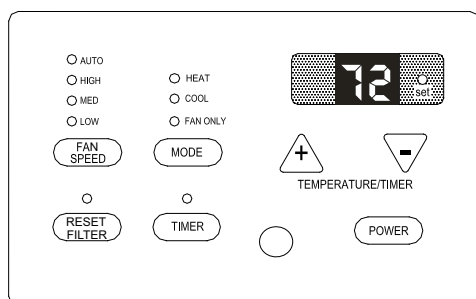


TO CHANGE TEMPERATURE SETTING:



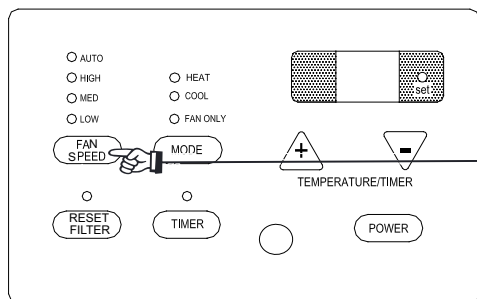
DO THIS:
PRESS TO RAISE
PRESS TO LOWER

YOU WILL SEE:



Note: Tap or hold either up(^) or down(v) button until the desired temperature is seen on display. This temperature will be automatically maintained anywhere between 61F (16°C) and 86F (30°C) for both cooling and heating modes. If you want the display to read the actual room temperature, "Select the fan only mode" .

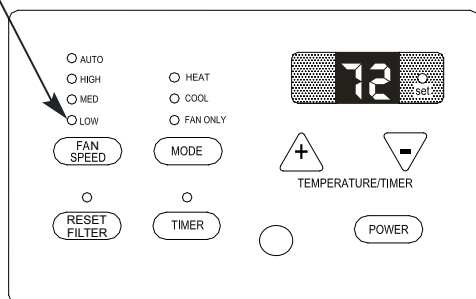
TO CHANGE FAN SPEEDS:



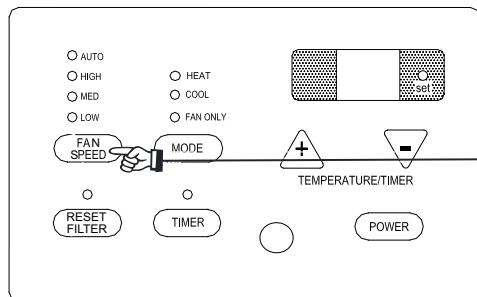
DO THIS:
PRESS FAN SPEED
BUTTON
SELECT SPEED

YOU WILL SEE THE SPEED CHOSEN:

LIGHT ON



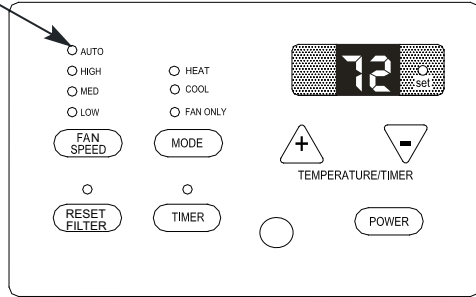
TO USE AUTO FAN FEATURE:



DO THIS:
PRESS FAN
SPEED BUTTON
SELECT
AUTO FAN

LIGHT ON

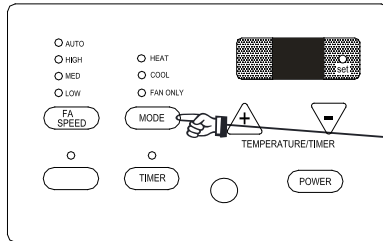
YOU WILL SEE:



Note: The fan speed to automatically set to the speed needed to provide optimum comfort settings with the set temperature. If the room needs more cooling, the fan speed will automatically increase. If the room needs less cooling, the fan speed will automatically decrease. Auto fan speed cannot be used when in the Fan Only mode.

AIR CONDITIONER FEATURES (continued):

TO OPERATE ON FAN ONLY:



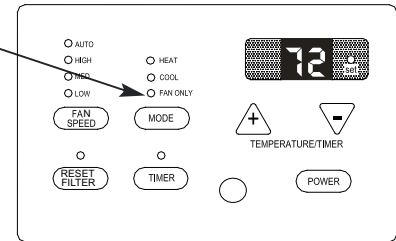
DO THIS:

PRESS
MODE BUTTON

CHOOSE
FAN ONLY

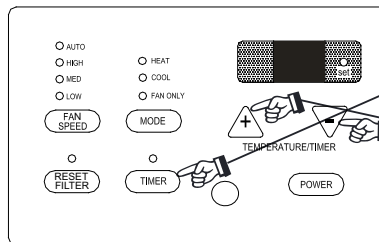
LIGHT ON

YOU WILL SEE



Note: Use this function only when cooling is not desired, such as for room air circulation. You can choose any fan speed you prefer, EXCEPT AUTO FAN. During this function, the display will show the actual current temperature, not the set temperature as in the cooling mode.

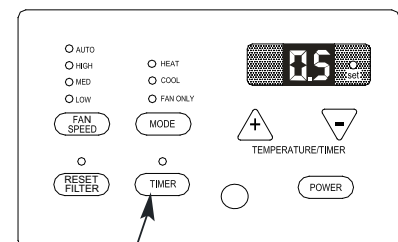
TIMER-DELAY START/STOP FEATURE:



FIRST DO THIS:
PRESS TIMER BUTTON

**THEN
DO THIS:**
PRESS TEMP/TIMER
BUTTON

YOU WILL SEE THE TIME CHOSEN:

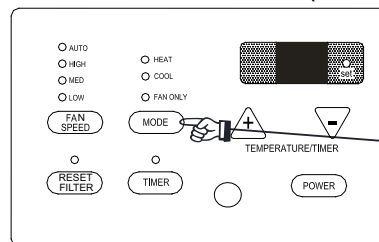


LIGHT ON

Note 1: For Delay Stop, the unit must be in the ON position.
Note 2: For Delay Start, the unit must be in the OFF position.

To adjust timer setting, tap or hold the UP arrow (^) or DOWN arrow (v) to change the delay time by 0.5 hour increments up to 10 hours, then by 1 hour increments up to 24 hours. The control will count down the timer remaining until start (8, 7.5, 7, etc.). After set Timer, the unit will enter into Timer mode by 5 seconds, then Timer light on, Set light off. In Timer mode: Set temperature and fan speed keeps previously set temperature and fan speed; Temperature display set temperature, no display if power turn off; Press Timer once, LED display remaining time of set time, LED return to set temperature by 5 seconds; When in Fan Only mode, LED only display room temperature, do not display set temperature. Turning the unit "ON" or "OFF" at any timer will cancel the Delay Start/Stop function. The delay Start/Stop feature will work until the unit either starts or stops. Once this has happened then the above steps have to be repeated again.

COOLING FEATURE (on some models):

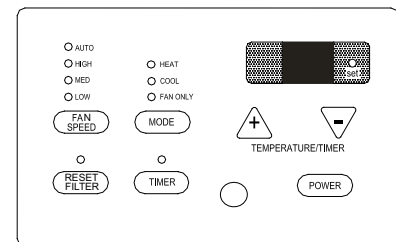


DO THIS:

PRESS
MODE BUTTON

SELECT COOL

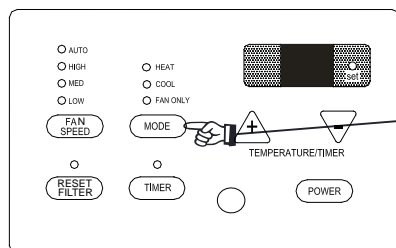
YOU WILL SEE



Note : This feature can be used with any combination of FAN Speeds, Timer . When in the "Cool" Mode, the fan will run continuously while cool is needed. The temperature will automatically be maintained anywhere between 61°F (16°C) and 86°F (30°C). When the room set temperature is satisfied, the fan will cycle off and on to circulate and sample the room air. If the air conditioner is off and is then turned on while set to a Cool setting or if turned from a fan setting to a Cool setting, it may take approximately 3 minutes for the compressor to start and cooling to begin.

AIR CONDITIONER FEATURES (continued):

HEATING FEATURE (on some models):

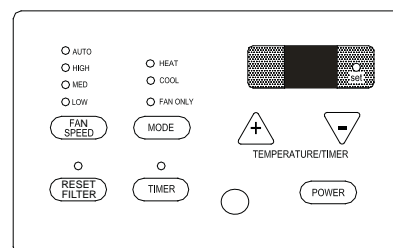


DO THIS:

PRESS
MODE BUTTON

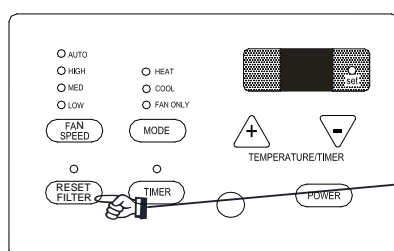
SELECT HEAT

YOU WILL SEE:



Note: This feature can be used with any combination of FAN Speeds, Timer. When in the "Heat" Mode, the fan will run continuously while heat is needed. The temperature will automatically be maintained anywhere between 61°F (16°C) and 86°F (30°C). When the room set temperature is satisfied, the fan will cycle off and on to circulate and sample the room air.

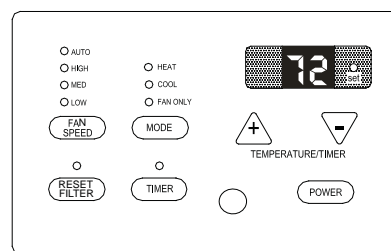
SLEEP FEATURE :



DO THIS:

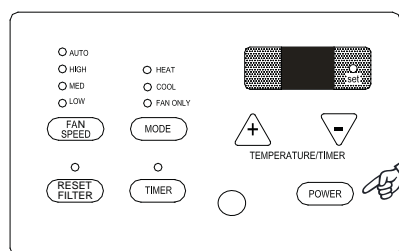
RESET FILTER

YOU WILL SEE:



"Note: Under the on status, if the accumulated operation time for time hasn't reached 250h, the clean indicator for the filter won't be on. Hold the RESET FILTER button for 3s to clear the accumulated operation time. At the same time, the buzzer will give out a sound; while the accumulated operation time is up to 250h, the clean indicator of the filter will be on. Press the RESET FILTER button to clear the accumulated operation time. Meanwhile, the buzzer will give out a sound."

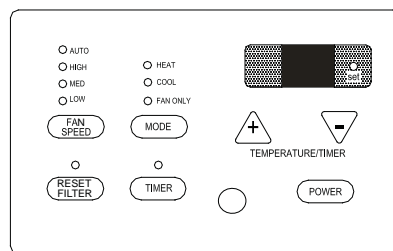
TO TURN UNIT OFF:



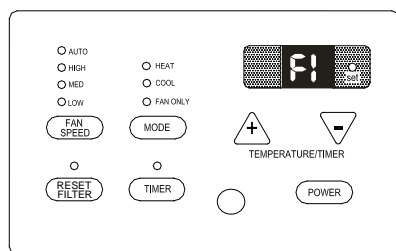
DO THIS:

PRESS
ON/OFF BUTTON

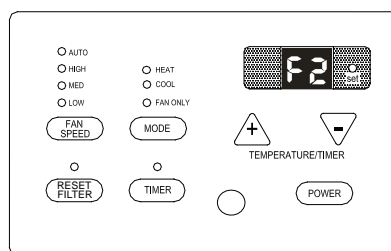
YOU WILL SEE:



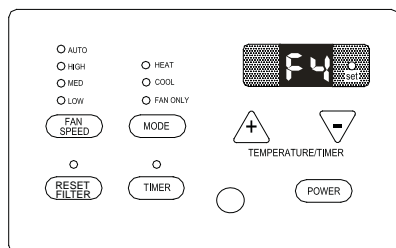
FAULT CODES



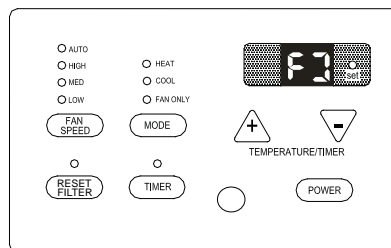
If the display reads "F1"
a sensor has failed.



If the display reads "F2"
a sensor has failed.



If the display reads "F4"
a sensor has failed.



If the display reads "FJ"
a sensor has failed.

ADDITIONAL INFORMATION

- The remote control will operate all the control panel features. Instructions will be the same.
- **The “COOL” circuit has an automatic 3 minute time delayed start if the unit is turned off and on quickly. This prevents overheating of the compressor and possible circuit breaker tripping.**

NOTE: The fan will continue to run during this time.

- “The control will maintain any set temperature between 61°F and 86°F.”
- The control is capable of displaying temperature in degrees (Fahrenheit) or degrees (Celsius). To convert from one to the other, press and hold the UP and DOWN Temperature Selection Pads at the same time for 3 seconds.

COMPRESSOR

The compressor is hermetically sealed, permanently lubricated and requires no additional oiling.

FRONT PANEL AND GRILLE

The front panel and grille can be cleaned with a mild soap or detergent. Do not use hydrocarbon-based cleaners (e.g. acetone, benzene, naphtha, gasoline, etc.) to clean the front panel or grille. Use care when cleaning the control area. Do not use an excessively wet cleaning cloth.

SCHEDULED MAINTENANCE

To achieve continuing top performance and high efficiency, a regular cleaning/inspection schedule must be established. Maintaining this schedule can be accomplished by either a local maintenance staff or an authorized servicer and must follow the instructions described in this manual.

- If the unit is operated in a dusty climate, dust may collect in the basepan and clog the condenser coil. It is advisable to remove the unit from the sleeve and thoroughly clean the basepan and condenser coil on a periodic basis.
- If the unit is installed ocean side or in a corrosive atmosphere, its life may be greatly reduced by the corrosive environment. Under these conditions, the unit should be removed from the sleeve and completely cleaned once a year. At that time any scratches or blisters on the painted surfaces should be sanded and repainted.

OUTDOOR COIL CLEANING

The coils on the outdoor side of the air conditioner should be checked regularly. For cleaning outside coil, remove the 6 screws that mount the condenser coil top cover to condenser shroud.



NORMAL OPERATING SOUNDS AND CONDITIONS

POPPING OR GURGLING SOUNDS

This sound is the refrigerant traveling through the lines. This is a normal sound which may be heard for a few seconds after the unit shuts off.

WATER TRICKLING SOUNDS

This sound is produced by the water as it is picked up and run over the coils. This procedure improves the efficiency of the unit and helps with water removal.

WATER DRIPPING

Water will collect in the basepan during high humidity days.

STARTING DELAY

You may notice a short delay in the startup if you try to restart the unit too soon after turning it off or if you adjust the thermostat right after the compressor has shut off. This delay protects the compressor.

OBTAINING SERVICE

In the unlikely event this unit requires repair or servicing beyond what is covered in this manual, contact an authorized service organization.

To obtain an authorized servicer, contact your sales representative or agency.

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RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in owner-occupied residences. Different warranties apply to units installed in residences not occupied by the owner and in commercial properties.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in buildings other than owner-occupied residences, such as non-residential buildings or residences not occupied by the owner.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

Other Warranties

This warranty is in lieu of all other express warranties. **ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.** Some states and provinces do not allow the exclusion of express warranties and/or limitations on how long an implied warranty lasts, so the above exclusion and/or limitation may not apply to you.

What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).
- Damage or repairs required as a consequence of faulty installation or application.

- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.
- Normal maintenance as described in the installation and operating manual.
- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

www.amana-ptac.com

For further information about this warranty, contact
Technical Services at (877) 376-0214 (option 2)
inside U.S.A. and Canada
1-931-433-6101 outside U.S.A. and Canada
or by mail to 1810 Wilson Parkway, Fayetteville, TN 37334



Part No. PW-342D
1/2017

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RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.

How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

FIRST-YEAR COVERAGE (ENTIRE UNIT): We will repair or replace, free of charge (to include labor), any part of a unit that proves to be defective due to workmanship or materials within the first year after the date of purchase.

SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVERAGE: During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES, EXPRESS OR IMPLIED.

What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.

- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.

- Lodging or transportation charges.

WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an authorized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For more information about the warranty or to locate an authorized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

Quebec Residents

The arbitration provisions of this warranty shall not apply to residents of Quebec.

Where Can Any Legal Remedies Be Pursued?


ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.

1. **Parties:** This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.

Part No. PW-342D

1/2017

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2. ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL.

"Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.

3. CLASS-ARBITRATION WAIVER: ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.

4. Discovery and Other Rights: Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.

5. SMALL CLAIMS COURT OPTION: YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.

6. Governing Law: For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.

7. Rules of the Arbitration: If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10th Floor, New York, NY 10019, www.adr.org), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, www.jamsadr.com), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, www.amic.org). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.

8. Location of the Arbitration Hearing: Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.

9. Costs of the Arbitration: Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

Part No. PW-342D

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10. *Survival and Enforceability of this Arbitration Clause:*

This Arbitration Clause shall survive the expiration or termination, or any transfer, of the warranty on your unit. If any part of this Arbitration Clause, except waivers of class-action rights, is found to be unenforceable for any reason, the remainder of this clause and the warranty shall remain enforceable. If, in a case in which class-action allegations have been made, the waiver of class-

action rights under this warranty is found to be unenforceable with respect to any part of the dispute, the parts of the dispute as to which the waiver of class-action rights have been found unenforceable will be severed and will proceed in court without reference or application of this Arbitration Clause. Any remaining parts will proceed in arbitration.

OWNER NAME

ADDRESS OF INSTALLATION

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

INSTALLER NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

DISTRIBUTOR NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

UNIT MODEL # & SERIAL #

UNIT DATE OF PURCHASE

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NON-OWNER OCCUPIED RESIDENCE WARRANTY

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Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in residences not occupied by the owner. Different warranties apply to units installed in owner-occupied residences and in commercial properties.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in buildings other than residences not occupied by the owner, such as non-residential buildings or owner-occupied residences.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).
- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.

- Normal maintenance as described in the installation and operating manual.
- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

THIS WARRANTY IS PROVIDED IN LIEU OF ANY OTHER WARRANTIES, WHETHER BY GOODMAN OR ANY OF ITS AFFILIATES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.

How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

FIRST-YEAR COVERAGE (ENTIRE UNIT): We will repair or replace, free of charge (to include labor), any part of a unit that proves to be defective due to workmanship or materials within the first year after the date of purchase.



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SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVER-

AGE: During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES.

What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

- Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.
- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.

WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY.

How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an authorized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For more information about the warranty or to locate

an authorized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

Where Can Any Legal Remedies Be Pursued?

ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.

1. **Parties:** This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.
2. **ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL.** "Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.
3. **CLASS-ARBITRATION WAIVER: ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.**
4. **Discovery and Other Rights:** Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.

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5. **SMALL CLAIMS COURT OPTION: YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.**

6. **Governing Law:** For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.

7. **Rules of the Arbitration:** If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10th Floor, New York, NY 10019, www.adr.org), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, www.jamsadr.com), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, www.amic.org). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.

8. **Location of the Arbitration Hearing:** Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.

9. **Costs of the Arbitration:** Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

10. **Survival and Enforceability of this Arbitration Clause:**

This Arbitration Clause shall survive the expiration or termination, or any transfer, of the warranty on your unit. If any part of this Arbitration Clause, except waivers of class-action rights, is found to be unenforceable for any reason, the remainder of this clause and the warranty shall remain enforceable. If, in a case in which class-action allegations have been made, the waiver of class-action rights under this warranty is found to be unenforceable with respect to any part of the dispute, the parts of the dispute as to which the waiver of class-action rights have been found unenforceable will be severed and will proceed in court without reference or application of this Arbitration.

OWNER NAME

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INSTALLER NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

DISTRIBUTOR NAME

CITY / STATE-PROVINCE / ZIP-POSTAL CODE

PHONE # / FAX #

UNIT MODEL # & SERIAL #

UNIT DATE OF PURCHASE

Part No. PW-342D

1/2017

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AMANA® BRAND... Lasts and Lasts and Lasts®

RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)

Who Is Providing The Warranty?

This warranty is provided to you by Goodman Company, L.P. ("Goodman"), which warrants all parts of this heating or air conditioning unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to heating and air conditioning units installed in buildings other than residences. Different warranties apply to units installed in owner-occupied residences and in residences not occupied by the owner.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in residential buildings.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

What Problems Does This Warranty Not Cover?

Goodman is not responsible for:

- Damage caused by transportation or handling (any such damage must be immediately reported to the delivering carrier).
- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, installation in an environment containing corrosive chemical agents, or other conditions beyond Goodman's control.
- Damage or failure due to corrosion resulting from installation in a corrosive coastal environment, except for specific parts (condensor coils) which have been treated with factory applied corrosion protection on specified factory treated models sold as "Seacoast" models.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.
- Normal maintenance as described in the installation and operating manual.

- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers or power cords.
- Damage or the need for repairs resulting from the use of unapproved refrigerant types or used or recycled refrigerant.
- Expedited freight charges, unless pre-approved in writing by Goodman.
- Handling charges to make a unit reasonably accessible for normal service.

THIS WARRANTY IS PROVIDED IN LIEU OF ANY OTHER WARRANTIES, WHETHER BY GOODMAN OR ANY OF ITS AFFILIATES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

When Does Warranty Coverage Begin?

Warranty coverage begins on the "date of purchase". If the date the unit was purchased cannot be verified, the date of purchase is three months after the manufacture date. The first four digits of the serial number (YYMM) on the unit indicate the manufacture date. For example, a serial number beginning with "1306" indicates the unit was manufactured in June 2013.

How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?

FIRST-YEAR COVERAGE (ENTIRE UNIT): We will repair or replace, free of charge (to include labor), any part of a unit



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SECOND THROUGH FIFTH YEARS SEALED SYSTEM COVER-

AGE: During the 2nd through 5th years after the date of purchase, we will repair (to include labor) any refrigerant leaks caused by defects in workmanship or material of a unit, and will repair or replace (to include labor) any portion of the evaporator coil, condenser coil, compressor, reversing valves or connecting tubing that proves to be defective in workmanship or materials.

The repair or replacement of a part under this warranty does not extend the warranty period. In other words, Goodman warrants a repaired or replacement part only for the period remaining in the applicable warranty that commenced on the date of purchase.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES.

What Won't Goodman Do To Correct Problems?

Goodman will not pay for:

- Except as specifically described in the "How Long Does Warranty Coverage Last and What Will Goodman Do To Correct Problems?" section above, labor, freight, or any other cost associated with the service, repair, or operation of the unit.
- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.

WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER GOODMAN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY.

How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact an authorized Amana brand servicer. For warranty credit for labor covered by this warranty, the labor must be performed by an autho-

rized Amana brand servicer. Proven defective parts (if required to be returned) must be returned to point of purchase. For more information about the warranty or to locate an authorized Amana brand servicer, contact Technical Services at 1-877-376-0214 (option 2) inside U.S.A. and Canada or 1-931-433-6101 outside U.S.A. and Canada or write to Technical Services, 1810 Wilson Parkway, Fayetteville, TN 37334.

Where Can Any Legal Remedies Be Pursued?

ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.

1. **Parties:** This arbitration clause affects your rights against Goodman and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.

2. **ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL.**

"Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's

condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.


3. **CLASS-ARBITRATION WAIVER: ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.**

4. **Discovery and Other Rights:** Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.

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AMANA® BRAND... Lasts and Lasts and Lasts®

RAC WINDOW TYPE H & C (AE, AH, PBC, PBE, PBH)**5. SMALL CLAIMS COURT OPTION: YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.**

6. *Governing Law:* For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.

7. *Rules of the Arbitration:* If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10th Floor, New York, NY 10019, www.adr.org), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, www.jamsadr.com), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, www.amic.org). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.

8. *Location of the Arbitration Hearing:* Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.

9. *Costs of the Arbitration:* Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Goodman will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Goodman for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).

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