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Book Descriptions:

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Run system through a heating or cooling cycle to recheck system. 12 BLOWER ON AFTER POWER UP 115V OR 24V Normal operation. Blower will run for 90 sec when furnace power is interrupted during a call for heat and RW closes. 13 LIMIT OR FLAME ROLLOUT SWITCH LOCKOUT Limit switch was open longer than 3 minutes. Autoreset will occur after 3 hrs. Flame rollout switch requires manual reset. See No. 33 14 IGNITION LOCKOUT System failed to ignite gas and prove flame in 4 attempts. Control will autoreset in 3 hrs. See No. 34 21 GAS HEATING LOCKOUT Turn off power and wait 5 minutes to retry. Check for Unplug ignitor harness from control center and initiate another component test sequence and check for 115v between pins 1 and 2 on the board. Was there 115v present for the 17 sec period. Replace control board. Check for continuity in the harness and ignitor. Replace defective component. Reconnect the R thermostat lead and set thermostat to call for heat. Connect voltmeter across gas valve connections. Does gas valve receive 24v. Check connections. If OK, replace control board. Does gas valve open and allow gas to flow. Check that all gas valves are turned on. Replace valve. Do main burners ignite. Do main burners stay on. Allow blower to come on and repeat test to check for intermittent operation. Repeat call for heat and check flame sensor current during trial for ignition period. Is the dc microamperes below 0.5 Check connections and retry. If current is near typical value and control will not stay on, replace control board. Clean flame sensor with fine sandpaper and recheck current. Current is nominally 4.0 to 6.0 microamps. Is current near typical value. Replace electrode. Will main burner ignite and stay on. Inducer will run until fault is cleared. Disconnect thermostat leads to isolate short circuit. <http://filecheetah.com/test/userfiles/bose-cinamate-manual-remote.xml>

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31 PRESSURE, DRAFT SAFEGUARD WHEN USED, OR AUXILIARY LIMIT WHEN USED SWITCH WILL NOT CLOSE OR REOPEN If open longer than 5 minutes, inducer shuts off for 15 minutes before retry. If it opens after trial for igniton period, blower will come on for 90 sec recycle delay. Loose blower wheel. 34 IGNITION PROVING FAILURE If flame is not sensed during the trial for ignition period, the control will repeat the ignition sequence 3 more times before going into lockout, No. 14. If flame signal is lost after trial for ignition period, blower will come on for 90 sec recycle delay. To determine whether the problem is in the gas valve, igniter, or flame sensor, the system can be operated in the component test mode to check out the ignitor. First, remove the R thermostat connection from the control board and initiate the component test sequence. SmartEvap can reduce summer humidity by up to 10%. Warranty period is 5 years if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10year parts limited warranty. See warranty certificate for complete details. See warranty certificate for details. Carrier gas furnaces use a safety component known as a flame rollout switch to shut down the appliance when it overheats. If your Carrier furnace turns off unexpectedly, knowing the location of the flame rollout switch can come in handy. Fortunately, finding the flame rollout switch on a Carrier furnace takes just seconds. Serious injury or death can occur if repairs are performed while the furnace is connected to electrical and gas supplies. You can restore the electricity and gas to the furnace when youve completed your troubleshooting or repairs. In upflow models, the top access panel on the front of the furnace shields the burner components, while the bottom panel provides access to the blower components. <http://wacoinstrumentsindia.com/userfiles/bose-cinamate-manual-remote-codes.xml>

Remove the burner access panel; pull the panel up and toward you to clear the tabs that hold the

panel in place. The burner assembly is mounted to the top of the furnace cabinet. Find the flame rollout switch on the right side of the burner assembly housing. The positioning of the components in downflow models are reversed in comparison to their positioning in upflow furnaces. To access the burner components in a downflow furnace, you'll need to remove the bottom front panel. Pull the panel up and toward you to free it. In Carrier downflow furnace models, the flame rollout switch is just above the gas burner. Once the flame rollout switch has been tripped, it must be reset before the appliance can produce heat again. Wait 30 minutes before attempting a furnace reset to allow the motor to cool down. Press and release the raised red button at the center of the flame rollout switch to reset the furnace. You can press the reset button up to three times before troubleshooting the furnace's internal components or calling for repair service; allow 30 minutes between each reset. Please try again. Please try again. Page 1 of 1 Start over Page 1 of 1 In order to navigate out of this carousel please use your heading shortcut key to navigate to the next or previous heading. Register a free business account Full content visible, double tap to read brief content. Please try your search again later. Two high temperature ceramic wire nuts are also included and can be used if your existing plug is damaged or is not long enough. To calculate the overall star rating and percentage breakdown by star, we don't use a simple average. Instead, our system considers things like how recent a review is and if the reviewer bought the item on Amazon. It also analyzes reviews to verify trustworthiness. Please try again later. Michael Agnew 5.0 out of 5 stars I told him that I didn't need his help to replace a part at that price.

I ordered the part, went to you tube and found several guys who not only replaced the igniter but make good videos for you and I. I replaced the igniter in 5 minutes without issue. They last about 10 years. So if you have one, changing it is as easy as changing a light bulb. That's why we now have a brand new spare sitting in a box next to the furnace, and we always will. Buy an Extra! As I was troubleshooting the problem I discovered the surface ignitor was cracked. I ordered two of these so I could have an extra one on hand, and in case the product was delivered broken as other reviewers mention. Both parts arrived in good condition, well packed and work perfectly. My heater is back up and running again. Shipping was fast and it was appreciated since it was cold outside. Now I have an extra ignitor to keep on hand for when the new one goes bad. Definitely recommend. After some quick troubleshooting I found that the old igniter had cracked and needed replaced. I ordered it and after a couple days I had the replacement in my hand. I compared it to the original and seeing no differences I went ahead and installed it. All told it took me at most 5 minutes to replace the old igniter. The electrical plug fit perfectly into the existing wiring and the igniter fit perfectly into the original bracket. I plugged the replacement in, bolted it to the bracket, then finally bolted the bracket to the furnace. When I turned on power to the furnace it glowed orange and lit the burners no problem. I'm warm and I saved a nice bit of money. I am now retired and travel to warmer places during the winter months so I replace this and the flame sensor a week or two before leaving and have never had a failure while away. It's cheap insurance and piece of mind. I also have a wifi thermostat which allows me to constantly monitor the furnace from anywhere in the world. These are quality HSI's and the price is unbeatable. I ordered both. This got here first.

Removing the old one I discovered how delicate they are. A bit like Christmas ornaments. Treat them gently or you'll be buying a new one. I bought two, jic. Put it in the bracket, screwed it in, turned on furnace, igniter started working as designed. Amazon saved my butt. No one sells these in my area, and if they do it looks like they sell to contractors or service repairmen. I don't recommend working on a system that, if done wrong, could silently kill your family in ten minutes CO2. But this is simple. Igniter Ill replace that. Flame sensor OK! Anything else nope. I'm going to use a pro for the rest. I figured out pretty quick that the issue was that it wasn't igniting, and a quick YouTube video helped me locate where the igniter was. After removing it, I checked every hardware store in town. Nobody had a single one in stock, so off to Amazon I went. It arrived today, and after loosening a single screw and unplugging the wire, we had heat again. I ordered a replacement and also a spare since

having one of these handy can save an expensive service call; for some strange reason no one locally seems to sell them. This part is easy to replace in my Bryant 90 plus propane furnace, and it worked perfectly and restored by furnace to full operation as soon as it was installed. Packaging is excellent, and the part seems high quality. Thanks! Worked perfectly 5 min swap out with old ignitor. Older 2012 carrier furnace. Sorry, we failed to record your vote. Please try again Sorry, we failed to record your vote. Please try again Sorry, we failed to record your vote. Please try again Worked perfectly in my Carrier and was easy to replace. Sorry, we failed to record your vote. Please try again Sorry, we failed to record your vote. Please try again Sorry, we failed to record your vote. Please try again. Select Product Category Just enter the model number below, and we'll give you a list of links to all the documents associated with it.

Rather than have you commit them all to memory, we made our model numbers easy to find. If you don't happen to have them handy, you'll also find the model number printed right on the unit. If your heat pump is geothermal, the model information should be easily found on the front of the unit. You should see the model number printed on rating plate or decal. Still unable to find that model number. Just call your local Carrier Expert. He or she will be happy to help you. Make sure the temperature is set cooler than the current indoor temperature. If it is not running, make sure the breakers in your home's breaker box or electrical panel are in the ON position. Make sure it's in the ON position. If the system is set for cooling, the blower motor should be running. If not, check to make sure your indoor unit switch is in the ON position. If you have one inch thick furnace filters, a once a month change is recommended. If you don't change it, the filter will eventually block the proper airflow and cause your outdoor air conditioner unit to shut down. Return air grilles are larger and are located on a wall or the ceiling in newer homes. Older homes frequently have return air grilles on the floor. NOTE If your system control has a "Constant ON" feature, you will not always feel warmth, even though air may be blowing. If it isn't, your system won't know to provide heating. Try turning the fan to ON using the fan switch on the control or thermostat to test for power to the furnace. If you have one inch thick furnace filters, a once a month change is recommended. If you don't change it, the filter will block the proper airflow and strain your furnace. Return air grilles are larger and are located on a wall or the ceiling in newer homes. Older homes frequently have return air grilles on the floor. NOTE If your system control has a "Constant ON" feature, you will not always feel warmth, even though air may be blowing. Verify that the circuit breakers are ON or that fuses have not blown.

If you must reset breakers or replace fuses, do so only once. Contact your Carrier expert for assistance if the breakers trip or the fuses blow a second time. Check air filters for accumulations of large particles. Check for blocked exhaust air grilles or ductwork. Keep grilles and ductwork open and unobstructed. Defrost time could be five to 20 minutes, depending on temperature and settings. With this information, the dealer will be able to correct any problems. Make sure that the condensate drain tube has a slight slope and is not kinked. Provide your model and serial number. With this information, the dealer will be able to correct any problems. Water likely means the support base has shifted since installation and is no longer level. Soak the core in warm water and mild soap for three hours and then rinse under warm not hot water. Use a vacuum cleaner to remove accumulated dust and then handwash in warm water. Filter life varies from home to home and is based on several factors, but most last from eight to 12 months. If your geothermal unit is connected to well water instead of a closed loop, we recommend the heat exchanger inside the unit be cleaned periodically to prevent the buildup of minerals that can reduce system performance. Hold times are long. This grommet helps isolate the blower assembly from the furnace to reduce noise. You may have to cut the old clip off to remove the fan blade. Be aware that the screw holes are not threaded—you will need to use self-tapping screws to install the motor. Since 1912, we've learned to recognize the most common problems. Do any of these look familiar. Join Repair Clinics VIP email list for 10% off, plus other discounts and tips. We've got millions of parts, hundreds of brands, and thousands of step-by-step videos— everything you need to find it, fix it and finish the job right. Single

mom of two small kids and I just lost my job, waiting on unemployment.

Help, what can I do to get it working until I can afford to call a repair person. But we need heat, please help! If so the unit needs to be cleaned. This can be done by purchasing a can of coil cleaner at the hardware store and follow the directions to clean the coil. What the system is saying is there is a blockage somewhere causing this code. Not being serviced in 4 years would be the possible cause because of the amount of debris in the air over that 4 year period. Good luck on the repair hope this helped you. Dave Wind can blow it out until the flue heats up. The flame sensor may not be close enough to the burner flame. It may be weak and need to be replaced or if its an optical one it may be dirty and not see the flame very well. Its not wasting much gas but it puts extra wear and tear on the gas controls, is noisy, and, as you said, blows cold drafty air. A gas control system that has issues of any kind is not real safe. It needs to get fixed. I believe that the wind is affecting the draft. What I would recommend is to install a cap on the flue that is similar to a weather vane in that it rotates to block the wind from creating a downdraft in the flue. Some times depending on the direction and strength of the wind it will come up over the roof peak and then down the flue. A regular fixed cap may work too. You should be able to purchase one at your local hardware store. Please let me know if this was helpful. Good luck. THEN it turns on the Igniter notice the red glow. Then the gas turns on. Now at this point check the idiot light and it should be giving you a code of 34. That 3 4 3 shorts 4 longs says that there was a problem igniting the furnace. After it cycles thru at least 4 times and fails to ignite all the burners, then is when you get a code 14 1 short 3 longs NOTICE whats happening with ALL the burner Tubes each time it attempts to ignite. If only one or two are running, then this is your problem.

To fix all you do is take out the burner Tubes, look for debris, blow them out blow from the front where all the jets are, and replace them in sequence from left to right the tabs overlap. Login to post The fan would start but it would not ignite. We found out we need a new ignitor and it was a good quick easy fix. Now a ye If not then look for a small fuse blown on the board. See lights a flashing count them flashes A sampling of various failure codes on a furnace Read one LED flash that stays on continuously to mean your furnace has no signal coming from the thermostat and will not operate. Turn the power off and check the thermostat for improper settings or connections. Interpret one LED flash that blinks on and off to mean your furnace has locked out because it could not ignite after three tries, and must be reset. Interrupt power to your furnace for 20 seconds or lower the thermostat so your furnace does not try to heat, then reset the thermostat to the previous setting. After one hour of lockout, your furnace will automatically reset itself and try to operate as usual. Decipher two LED flashes to mean the draft blower is not working, or your furnace has a short in the pressure switch circuit. Turn off the furnace power and repair a short or replace the pressure switch. Read three LED flashes to mean your furnace has an open pressure switch circuit or it has an induced draft blower operating. Check the pressure switch hose of your furnace for blocks or an improper connection. Also, look for blockages in the flue, and tighten any loose wiring. Translate four LED flashes to mean your furnace has a primary limit circuit open, possibly from loose wiring or blocked filters. Check and clean filters, tighten wiring and check the flue for blockages. Interpret five LED flashes to mean your furnace senses a flame without a call for heat. This could be from a gas valve closing slowly or a burner flame lingering.

Read seven LED flashes as a warning of a low flame sense microamp signal. This could happen with a coated flame sensor or a lazy flame from poor gas pressure. Turn off the power and adjust the gas pressure according to the information on the rating plate. See eight LED flashes as meaning an igniter circuit problem due to a bad igniter or an igniter connected improperly. Replace the bad igniter or check the ground wiring, making necessary corrections. Decipher nine LED flashes to mean the highstage pressure switch circuit will not close during a highstage induced draft blower operation. Your furnace may have a pinched or blocked pressure switch hose, a blocked flue or loose

wiring. Read continuous flashing on the LED to mean your furnace has a reversed polarity of 115 volts. Turn off the power and correct the wiring polarity after reviewing the wiring diagram. If you need further help, reach me via phone at If it checks good see if it is getting power from the board. If you need further help, reach me via phone at It had a 3 light code i replaced the presure switch now it is giving me a 1 light code please help Turn the power off and check the thermostat for improper settings or connections. Interpret one LED flash that blinks on and off to mean your furnace has locked out because it could not ignite after three tries, and must be reset. Interrupt power to your furnace for 20 seconds or lower the thermostat so your furnace does not try to heat, then reset the thermostat to the previous setting. After one hour of lockout, your furnace will automatically reset itself and try to operate as usual. Decipher two LED flashes to mean the draft blower is not working, or your furnace has a short in the pressure switch circuit. Turn off the furnace power and repair a short or replace the pressure switch. Read three LED flashes to mean your furnace has an open pressure switch circuit or it has an induced draft blower operating.

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Our thermostat is set to 68 and many times it will drop to 65 or even 63 without turning on. It happens every so. There are too many variables to guess Id rather hit it right on the head. I will be waitiing for your response. The board is usually located in the blower section of the furnace.Wind can blow it out until the flue heats up. The flame sensor may not be close enough to the burner flame. It may be weak and need to be replaced or if its an optical one it may be dirty and not see the flame very well. Its not wasting much gas but it puts extra wear and tear on the gas controls, is noisy, and, as you said, blows cold drafty air. A gas control system that has issues of any kind is not real safe. It needs to get fixed.The bottom panel is solid and. Hope that htis helps you and have a Happy New Year.Answer questions, earn points and help others.