

## breckwell p23 pellet stove manual



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### Book Descriptions:

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## Book Descriptions:

# breckwell p23 pellet stove manual

For your safety, follow Local regulations and requirements can supersede those specified in this manual if more. To achieve the safest, most efficient and most enjoyable performance from your stove, you must do three things 1 Install it properly; 2 Operate it correctly;. CLEARANCES The Breckwell P23 Freestanding has been tested and listed for installation in residential, mobile home and alcove applications. The P23 Insert is approved for installation into code complying masonry fireplaces. VENTING The Breckwell P23 Freestanding is certified for use with listed TYPE LVent, 3" or 4" diameter in size. The stove was tested with Simpson Duravent brand. Class "A" FIGURE 6 chimney is not required. Legs are installed by inserting the four bolts provided in the kit into the four holes in the bottom plate of the stove at each corner from the top, thread on the nuts from the bottom and tighten. Always maintain 3". Have the masonry chimney inspected by a qualified chimney sweep or installer to determine its structural condition. You will need a pipe length equal to the chimney height from the hearth. If outside combustion air is to be used, you will need a pipe length equal to the chimney height plus 18 inches. If outside combustion air is to be used, you will need a pipe length see "COMBUSTION AIR SUPPLY" equal to the chimney height plus 12 inches. This is especially suited for new construction or remodeling. The equipment compartment sides and rear of the stove in fireplace must be enclosed per the applicable electrical standards. Refer to figure 14. The control panel functions are as follows. No other firestarter is necessary. The igniter will stay on for at least 10 and up to 15 minutes, depending on when Proof of Fire is reached. Poor quality pellets could damage the auger. Breckwell cannot accept responsibility for damage due to poor quality pellets. Your dealer can recommend a good quality pellet dealer in your area. The green light will go out.<http://www.anabakorea.jp/userfiles/crane-humidifier-manual-cow.xml>

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The blowers will continue to operate until internal firebox temperatures have fallen to a preset level. A millivolt thermostat is required. A fixed wall mount or Breckwell's hand held model can be used. The control panel can be set up two ways to operate your stove in thermostat mode. The pellets should not be stored within 12" of the stove. ASH REMOVAL Ashes should be placed in a metal container with a tightfitting lid. This should be used every two or three days to remove accumulated ash on the tubes, which reduces heat transfer on the P23. Insert the. Return the damaged door to your Breckwell Dealer for repair or replacement. Neither the appliance owner nor any other unauthorized persons should replace the door glass. An authorized Breckwell dealer must perform all repairs involving door glass. This guide may save time and money by enabling you to solve simple problems yourself. Problems encountered are often the result of only five factors 1 poor fuel;. Refill the hopper. The air damper is too far open for a low feed setting. If burning on the low setting, you may need to close the damper all the way push the knob in so it touches the side of the stove. Push the air damper in closer to the side of the stove for startup. In some situations it may be necessary to have the damper completely closed for ignition to take place. On the back there is one fuse. If it appears to be bad, replace it with a 5 Amp 250 Volt fuse. Plug the stove back in and try to run the unit. If this increases beyond normal, or if you notice any soot buildup on walls or furniture, check

your exhaust system carefully for leaks. All joints should be properly sealed. Also clean your. Never use substitute materials. Use of nonapproved parts can result in poor performance and safety hazards. For your safety, follow the installation directions. You are now prepared to burn Height 29" with pedestal, 28 " with legs. Depth 27" excluding ash. <http://www.styrexon.cz/userfiles/crane-humidifier-manual-ee-5301.xml>

Page 6 Venting 6 INSTALLATION Page 7 Freestanding Installations INSTALLATION 7. Equivalent Vent Length EVL. The longer the run of pipe in your installation both with insert and. Page 8 8 INSTALLATION Page 9 INSTALLATION 9. B. VERTICALLY WITH NEW CHIMNEY SYSTEM Refer to NOTE Follow L Vent chimney manufacturer's instructions. OPTION. Page 10 10 INSTALLATION Page 11 Insert Installations INSTALLATION 11 Page 15 Panel Controls OPERATION 15 No other firestarter is necessary. The igniter. Page 17 Safety Features OPERATION 17 Page 18 Thermostat Installation 18 THERMOSTAT INSTALLATION Page 19 Please Read This Operating Safety Precautions OPERATION 19 Page 20 Ash Disposal Insert 20 MAINTENANCE When your stove acts out of the ordinary, the first reaction is to call for help. Page 24 24 TROUBLESHOOTING GUIDE Page 25 TROUBLESHOOTING GUIDE 25 Page 26 26 TROUBLESHOOTING GUIDE Page 27 TROUBLESHOOTING GUIDE 27. Page 28 Smoke Smell or Soot BuildUp 28 TROUBLESHOOTING GUIDE Page 29 ELECTRICAL DIAGRAM ELECTRICAL DIAGRAM 29. You decide whether to specify a pedestal base or the leg option. The legs come in either gold, nickel or black. Maximum output is 47,000 btu. See comments below. The P23 has a large ash pan for a stove of this size, it is recommended to be emptied only after burning a ton of fuel. See comments below. The control board has some trouble shooting diagnostics which, with the manual, will help to pin down possible problems. Burn time 60 hrs. Fuel Type Preferably premium pellets, but will burn standard Glass Air Wash Yes Built in Blower Yes Convection Blower Capacity 165 cfm. Top Vent No Rear Vent Yes Rear Vent Height Freestanding 10.75 in. Insert 2,2 in. Battery Backup No Five years Steel fabricated components. 10% discount on components after the warranty has expired. Original purchaser only. Options Wall Thermostat Hand held thermostat Nickel or gold door trim.

Gold, Nickel or black legs Pedestal Ceramic logs Ceramic brick panel Dimensions for Breckwell P23 Fireplace Insert Width 21 in. Depth 11.25 in. onto hearth, 11.5 in. into fireplace Min. Fireplace Size Height 22 in. Width 22 in. Depth 12 in. Insert Surround Dimensions Height 30 or 32 in. Width 42 in. This is being replaced with the CE029 fan. Try to make sure the newer fan is fitted. Its recommended that the Breckwell P23 not be run for more than one or two hours at a time on the high heat setting to prevent damage. Ashes must be brushed or scraped into the ashpan. There is no ashpan in the insert model, ashes must be scraped out into a suitable non combustible receptacle. Weekly Empty the burn pot, clean the glass, brush out the combustion chamber and clean the heat exchange tubes. Annually, or for every ton of fuel. Empty ashes, clean interior venting, clean the blades of the combustion and convection blowers, clean the vent system, inspect the gaskets, empty and vacuum the hopper. Please click on the image below to check price, options and availability. For a better experience, please enable JavaScript in your browser before proceeding. It may not display this or other websites correctly. You should upgrade or use an alternative browser. I recently had problems with the convection blower and replace that. However, now occasionally the convection blower will shut off and the stove will stop feeding pellets, but I think the combustion blower still runs. The heat level light remains on, yet you cant change the level. If you do nothing it will just die out. Any ideas Thanks in advance From the manual In case of a malfunctioning convection blower, the hightemperature thermodisc will automatically shut down the auger, preventing the stove from overheating. Did you go over the wiring when you replaced the convection blower. Unplug the stove and check that connections are solid and no damage to wires.

<https://www.interactivelearnings.com/forum/selenium-using-c/topic/14332/4-way-manual-valve>

The other option is that you are actually experiencing high temp situations and the safety is doing its

job. When was your last deep clean for the internal exhaust pathways and exhaust venting. Accumulated ash can set off the high limit switch. Another thing to check would be the proof of fire snap disc. These can be temporarily bypassed to determine if that is the cause relatively inexpensive part so may not hurt to change out or have backup on hand. Other suggestions can be found on page 24 of the manual Keep us posted on how you make out. By continuing to use this site, you are consenting to our use of cookies. When you adhere to the suggested maintenance and cleaning schedule, you'll eliminate most of the operating problems associated with your pellet stove. If cleaning doesn't solve the problem, the manufacturer offers some other solutions to a few common occurrences. Follow the manufacturer's recommendations for maintenance and cleaning, which follow. Vacuum the ash pan as well. Thoroughly clean all the ash from these sections, including top, bottom, and both sides. If you see creosote accumulation when you clean the burning chamber, use a soft brush to clean the exchanger. Brush and vacuum the combustion and convection blowers. Replace the gasket on the combustion blower. Check for creosote accumulation, and wear and tear. If the blower is working, the stove has no mechanical problems. Check the door seal and the gaskets on the ash pan, and repair or replace if necessary. If the damper is open too far, the pellets aren't being burned completely because the flame isn't steady. Eventually the flame will die, but the stove will continue to feed pellets. At that point, the stove will shut off. Check the flame after 10 to 15 minutes. Continue in this way until you reach the right damper position for that heat setting. She also holds a celebrant certificate from the Celebrant Foundation and Institute. Morris writes for various websites and private clients.

<http://www.liceoantoniotoledo.com/images/93-honda-accord-manual-transmission.pdf>

Show Comments. If you have a digital control board this will shut down the auger motor and igniter. The combustion blower should continue to run for about 10 minutes. When this light begins to flash the igniter and auger will shut down right away. The combustion blower will shut down after 10 minutes. It is recommended to leave pellet stoves disconnected from power when not in use for added electrical protection. The heat given off then diminishes greatly. Any ideas what's happening. The startup cycle is about 10-15 minutes long. That sounds like you have a combustion issue in the stove. Sometimes a lower quality pellet may produce less heat or a differently sized pellet may require a feed cycle adjustment. We have a helpful checklist for this here You can remove each one from the stove and connect it to wall power to try a bench test. The link I provided in the previous step includes a video tutorial demonstrating a combustion blower bench test. Be on the lookout for frayed or damaged wires that might be affecting the stove operation. Once the stove reaches the minimum temperature for the low limit snap disc to close and complete the feed circuit, the light remains solid green. The average time for that startup cycle is about 5-10 minutes. Let us know if you have any other questions or concerns. We are always happy to help. Still won't start. It's good that you replaced the tubing on the vacuum switch, but there are a few other things to check too. It's common for a bit of flyash to get stuck in the hose barb and cause a blockage. Make sure that the burnpot is clean and properly seated in the firebox. We recommend removing the burnpot and cleaning that area. If you can pull it out you need to replace the gasket on the door. Check all the wiring to be sure you don't have a loose connection somewhere. Check the combustion blower to make sure there is power to the motor. You can remove the combustion blower and bench test it to be sure the motor is good.

<http://liftkos.com/images/93-honda-accord-owners-manual.pdf>

You will also want to check the vacuum switch. You can bypass the vacuum switch after you have checked everything else. If the stove works the vacuum switch is likely bad. Hope this helps! Feel free to send us an email or give us a call if you need further assistance. I would recommend taking the blower out of the stove and thoroughly cleaning it, fins and all. Also, bench test the blower and confirm that it is running properly outside of the stove. Any suggestions You can remove this from

the stove and bench test it to direct wall power. If the blower is fine, unhook the air hose from the air switch and blow through it to make sure it is not clogged or cracked. If it is cracked, use a wire hanger or something similar to clean that out. If the ash door has a latch, make sure that this is properly latching and that this gasket is in good condition. If there is a small hole for the ashes to fall through under the burnpot, make sure that the slider plate is in place to seal off the firebox floor. Also, make sure that there is no blockage in the venting i.e. Birds nests, beehives, etc. Make sure that the gray wires are not loose at the Molex connector. If there is no current going to the combustion blower, check all wire connections. If all connections are good, it is an issue with the control board. To test the air switch, you will need to disconnect the air hose from the body of the stove. With the other end still attached to the air switch, very gently suck on the loose end of the hose. If you hear a click, the air switch is working. You will need to be extremely careful because too much vacuum can damage the air switch if it is working. Any ideas why that would happen Remove the panels and clean behind those. Clean the fan blades on the combustion and the convection blower. Also, clean the venting. It sounds like you might be losing vacuum on the higher settings. And then out of nowhere it shuts off and the green light blinks only.

I can repower it by pushing the power button and it starts to work again everything works fine the blower etc. It sounds like there is a sensor that is shutting this off. It feeds pellets and will light the pellets but after 15 min it turns off and it stops dropping pellets. If this is the case, the Proof of Fire switch is faulty. You can test this switch by unplugging the stove and disconnecting the wires from either side. Connect those two wires using a jumper wire or a heavy duty paper clip. Plug the stove back in and run as normal. I hope this helps. I truly enjoyed reading it, you're a great author. I will ensure that I bookmark your blog and definitely will come back later in life. I want to encourage yourself to continue your great posts, have a nice afternoon! If it is getting the correct power, there might be an issue with the auger motor. If you could advise of the model of your unit, I would be happy to look further into this for you! This type of clever work and coverage. Keep up the good works guys I've incorporated you guys to my personal blogroll. Breckwell P24 Pellet Stove Troubleshooting View and Download Breckwell P241 owners manual online. P241 Cooktop pdf manual download. Breckwell tradition series p24 pellet stove 5 pages. About our company Breckwell Pellet Stoves Owner Manual Contact us Part Description Breckwell Replacement 4 RPM Pellet Feed Auger A picture. Below are the product categories of product manuals, replacement parts, and troubleshooting guides Pellet Stoves. Breckwell Pellet Stove Convection Motor Blower AE033A Breckwell P23 Sonora Breckwell P23I Sonora Insert Breckwell P24 Blazer Breckwell P24I Blazer. All of your pellet stove parts. Find great deals on eBay for Harman Pellet Stove in Furnace and Heating Systems. Fits The Following Breckwell Models P22, P22I, P23, P23I, P24, P24I, P2000, spots in either your fan or auger control then this is probably the problem. Distribution Blower 32129045 and Distribution Blower 32129045 parts online.

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Breckwell P23 Sonora, Breckwell P23I Sonora Insert, Breckwell P24 Blazer, Breckwell P24I Blazer Insert The only thing I had any problem with was the shipping time. Specializing in pellet stove parts for the top brands in the industry. Harman Pellet Stove Parts. Wood, Gas and Pellet Stove Parts NPI45 Pellet Stove Insert DOWNLOAD I have been trying to figure out a problem on a 7 year old Breckwell p24 free. Breckwell Combustion Exhaust Blower w/o housing Gasket Included Fits the following. The Big E 2004 Manual CE401 Wood Pellet Stoves Eugene, Oregon Grand Prairie, Texas breckwell.com wood in the most efficient, convenient way. The best part which I like in this Pellet stove is its ultracompact design which is seen in there on the product which is best way to get out of the problem quickly. Coal stoves came in all Breckwell Pellet Stove Exhaust Motor Blower. Fits The Following Breckwell Models P22, P22I, P23, P23I, P24, P24I, P2000, P2000I, STOVE HEATER



OWNERS OPERATION AND INSTALLATIONMANUAL For more. About our company Breckwell Pellet Stoves Owner Manual Contactus Part Description Breckwell Replacement 4 RPM AE301 controlpanel which. Pellet Wood Stove Fan Kits, Blowers, Motors Accessories Fan Kits, Blowers. Send a Houzz Gift Card. Well, heres the problem. I have allowed the stove to run for at least 6 hours and the light still will not stop blinking. Do you have a thermostat connected. Our stove did the same thing when we first got it, but I soon discovered the jumper was in there. Once I removed it, the thermostat and the stove worked properly. You can also ask around on the yahoo pellet stove forum. Last resort, call your dealer if its a new stove. Also if it is on for awhile and it is still blinking hold down the off on button for a few secs.If you disturbe the startup somtimes the light will blink untill you hold the startup button down for a few sec.It used to heat really well and now after 1 day, I have to empty the fire box.

Besides cleaning the ash from the four slots in the box, is there anything else I should be doing. Do I need to take my shop vac and clean out the vent What does this mean Heres why Full Story 83 LIVING ROOMS How to Convert Your WoodBurning Fireplace By Laura Gaskill Learn about inserts and other options for switching your fireplace from wood to gas or electric Full Story 129 LIVING ROOMS 8 Reasons to Nix Your Fireplace Yes, for Real By Laura Gaskill Dare you consider trading that coveted design feature for something youll actually use. Older stoves have a buildup of calcium, iron and carbon deposits on the inside walls of the internal ash chambers. This is exacerbated at 3 AM when the diurnal variation of pressure is at its nighttime low. The control board does have an auger trim to increase the fuel feed on heat level one which feeds more pellets to keep the fire going but does not vary the combustion blower speed during this period to help increase the air pressure requirements to keep the vacuum switch closed and the stove running. The vacuum switch is a necessary safety device that cuts power to the auger and shuts the stove down when the combustion blower quits or dies so the house does not fill up with smoke. The control board does not increase and decrease the combustion exhaust blower speeds so a the damper may have to be readjusted for the low setting or the stove may die out. The air inlet damper can only be set for heat level 1 or 3, not both at the same time. If you wanted to run the stove on heat level 1 and then change it back to 3 you would have to adjust the damper again. I know a few people who own this stove and none of their stoves run well on heat level 1, especially if the altitude of the installation makes it hard to set the damper. Different air pressures at different altitudes make it difficult.

However, since the combustion blower always runs on high speed, there is a way to boost the combustion blower and make up for this discrepancy and keep the same damper setting. The older panels have a yellow background.I have a lot experience installing exhaust blowers for many stove brands. I found that Magnum Baby Countryside stoves using their upgraded exhaust blowers with large impellers burn wood pellets better. The original Baby Countryside stoves using blowers with small blades were installed for the stoves to burn corn. Quadrafire pellet stoves and small Travis stoves use large blades as well. With that in mind, I installed a combustion blower with large petal blades in the Breckwell Big E. I discovered when the stove started that it defaulted to heat level 1 and remained on after the initial damper setting. The next morning was cold 32 Degs outside. The stove started and the Hi setting was set to 3. The workshop slowly warmed up and when the TStat hit 67 Degs It has a 2 Degree swing I heard the click and the TStat contacts opened up. I saw the pellet feed slow and the height of the fire die down to the level 1 setting. The control panel light does not change, it still had the 3 heat level lit but I could hear the convection fan speed drop to the heat level 1 speed. The was still one catch. I did this test twice, the 1st time with the default auger trim setting at medium which is the middle of the 3 choices, the stove died out from not having enough pellets. Finally on this second test, when the TStat was satisfied and the heat level dropped to heat level 1, the stove kept running fine. Therefore, adjusting the heat level was no longer an issue. No need to adjust the damper. I also observed that the stove lighted up more quickly after installing the new blower with larger impeller blades compared to the smaller impellers. The pellets

also seemed to burn more completely. There were no unburnt pellets in the ash pan.

See below for a comparison of impeller petal size. Left Small. Right Large To test his stove, I connected the manometer to the nipple on the back left side of the firewall and connected an AC cord to the original exhaust blower. I got 0.43 WC. WC measures Air pressure in Water Column, which is what is used to measure draft level. I went back to my shop and made the same measurement with the large petal impellers and got 0.72 WC. This is an increase of 0.29 WC. Usually, the controller sets the draft fan to operate on high during start up and when the stove is set to the highest heat level, but the Breckwell always runs the combustion blower on high. The AC test cord provides full draft 120 vac voltage to the exhaust blower so my tests are the same as if the stove is running. A hotter fire on higher heat levels creates more air pressure. Therefore when the stove is on heat level 1 with lower air pressure, the large petal impellers maintain a higher air pressure. Thus, the vacuum switch will remain closed and the stove will keep running. Testing this stove shows it running all day on heat level 1 approximately 200 Degrees F out of the heat exchangers. The higher heat levels put out effective heat as well. Middle WC measured with large petal impellers. Right Heat output on heat level 1. This may not be true for all models so larger housing may be needed. In that case, a new housing can be bolted on and the large impellers can be installed. Sometimes, you can transfer the original snap disc to the new housing. Occasionally, you may need a replacement depending on the size and condition. Also, a surface mount F120 snap disc will work regardless of whether there is a hole or what size the hole is. If there is a hole, it will cover it. Most large impeller blowers come with a motor that has more current capability. I have seen motors from 1.35 amps up to 1.75 amps. Check your motor tag. Pellet Stove Parts, Accessories, and Hearth Supplies.

The SP23I Pellet Fireplace Insert Sonora weighs 185 lbs. The Sonora SP23I Pellet Insert Sonora comes with digital controls. The Pellet Fireplace Insert Sonora SP23I by Breckwell has a Hopper Capacity of 60 lbs. Lifetime Warranty Insert For Thermal Damage Only One Year Thermodisc, Air Switch One Year Smoking is attributable to Also not covered are Surfaces. No other express warranty given and no Installing nonBreckwell If you are looking for versatility this is your insert. It is powerful enough to keep you cozy all winter long. The smart solution for whole home hearthcentered warmth. The Breckwell SP231 Pellet Fireplace Insert Sonora has all the features of the Sonora SP231. This convenient pellet fireplace insert brings a new look to the table with clean lines and a classy style. Add a brick kit and log set to get a An optional gold or brushed nickel faceplate add versatility, while changing the look of your SP231 Sonora Pellet Fireplace Insert.

<http://superbia.lgbt/flotaganis/1648187176>