6100 upgraded 6220 tip??

Posted by Manager - 26 Nov 2012 17:39

Have been running my 6100 with the 6220 upgraded board, very happy until an auger motor wire touched/melted/shorted. Blew the fuse! Board does everything but the auger is on all the time, even when it is supposed to be off. A new board is just not in my budget. Does anyone have a used one? I would even use a fix/idea like a way to slow down the auger. If power is on all the time, would a good old dimmer switch work? I don't wander to far from the farm so I can and do hover over this stove a bunch!

Mike

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Re: 6100 upgraded 6220 tip??

Posted by Manager - 30 Nov 2012 00:08

Well....

I talked to my local CB repair guy and he looked at the board for my stove. He simplified it quite a bit and figured that a transistor went bad as well. He studyied it for a bit and asked if i wanted "MORE" heat out of it....duh!

So we changed the transistor to a different one that what was in there. WOW!

Since no one reads this I'll wait till someone asks what I put into it. It is the same board as the 6500 uses I think!

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Re: 6100 upgraded 6220 tip??

Posted by FirepotPete - 30 Nov 2012 00:20

Manager, welcome to the forum. A couple of days ago myself and someone else had replied to your post. I noticed yesterday they were gone. I only had questions so I wasn't of any help at that point. I think jaydub was the other explaining on how a dimmer worked and why he thought it wouldn't work for what you wanted, I may be wrong but I think it was jaydub.

Glad you found a fix. Now just how did the CB repairman improve the board?

Any tips we get helps us all, I just can't figure out what happened to the couple of replies that were posted here. Oh, well, at least ya got 'er going again.

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Re: 6100 upgraded 6220 tip??

Posted by Manager - 01 Dec 2012 19:08

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Never saw the replies... bet they were good though!

The CB guy studied the circuits. Sayed to pull a transistor and check it. He figured it was damaged and it was. My board had a CTA12-600B...some have BTA12-600B same properties, 600v 50ma 12a. We looked up and got cross references for it. It was suggested to try a NTE56008 which was 600v 50ma 15a...would of worked but the 600v is what runs the motor more or less I am not wiz at this stuff! We put in a NTE56010 which is 800v 40/70ma 15a rating. So it is in the stove and I feel (lived with machine since 2006) that I have more control over the feed rate.... remember this is the upgrade board for the 6220 not the one that came with the 6100... I did trick that board as well.

6100 board was another trail.... I mounted the exhaust sensor to a piece of sheet metal... the 3 folded strip that connects ductwork... used about an 8 inch piece mounted the sensor at one end.... an 1 1/4 way down drilled hole and mounted to original location on exhaust laying the rest across the exhaust and what ever was left hang over the other side. Sensor is closest to the circuitboard/control side of the machine. Had to redo c codes 13 to about 30 changed c19 to a 10 min setting and c20 to 40 min. The complete c code list is downstairs if we all really need to know!! I'll get it if someone asks. Pictures would be nice but I'm not using that setup right now... next time. I have had a few owners scrap the units when the boards went bad so I grabbed the boards...good friends with the local scrap yard and he would give me the heads up.. you need to be dedicated to this type of heat process, most arn't!

That's about it!

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