Hello and Quadrafire control box question

Posted by spon - 31 Dec 2012 18:11

I am glad I found this forum, I have found a few useful threads already. I currently own two Quadrafire pellet stoves and we love them.

My question for the experts:

On my older Mt Vernon (not AE) I accidentally let the ignitor wires touch the metal housing of the stove after the last cleaning. This caused some sort of short as the ignitor was no longer getting 120v. I had a spare controller box and installed that and the problem was solved. Question is can the old controller box be easily repaired? I noticed it has a fuse so I took it apart but the fuse was good. I am guessing it's just a transistor, but have not found any schematics online for the box.

My local dealer said to order a new one which I'd prefer not to do.

I tried reaching out to Pantrol, but they seem to be shut down for the holidays.

Has anyone successfully repaired a control box or know of anyone who does repairs?

Thanks.

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Re: Hello and Quadrafire control box question

Posted by kappel15 - 31 Dec 2012 22:31

Hi spon, and welcome to the forum. There was a guy on the old forum that repaired them. He went by the name rca. If you can find him on the old forum, you might be able to pm him, if he is still around. I know of no one that has any schematics for the boxes. And i can't remember if Pantrol will repair them or not. Sorry i am not more help. Kap

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Re: Hello and Quadrafire control box question

Posted by tjnamtiw - 02 Jan 2013 01:53

I got this from the other pellet stove forum at hearth.com. There's someone there who, I believe, could help you.

quadrafire old style control box parts to replace

Gray box info.

2 triacs 576-Q6004LT

2 optoisolators MOC3020

2 relays 655-T7CS5D-24

2 relays 655-V23105A5003A201

1 transistor 863-MPS2222ARLG

4 diodes 1N4001

1 capacitor 667-EEU-FC1V471B

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Re: Hello and Quadrafire control box question

Posted by spon - 02 Jan 2013 18:13

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Thanks. That's quite the list. I cannot imagine that all of those parts are bad from the ignitor shorting, but at least I have a list of places to start now.

I have the newer clear box if that matters. I did reach out to Pantrol and they only sell new ones. They do not repair and they do not provide schematics, they said I'd have to go to Quadrafire for that since Quadrafire owns the design.

Thanks again for the information. I'll see if I can find all of these parts.

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Re: Hello and Quadrafire control box question

Posted by tjnamtiw - 04 Jan 2013 00:12

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I would not imagine that you would need ALL those parts. Since you're opening it up, take a look at the components and see if they are the same in the new box. No sense buying the wrong parts. Most likely you killed one of the Triacs, I think, if everything else is working. Also look on the circuit board for any burned or discolored areas.

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