ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by mark22ss - 15 Dec 2012 17:17

I recently got a USSC 6041TP and loved it at first. I was a second hand buy but looked brand new and I got a great deal on it. I had them plug it in and run it before I bought it and it all looked good. I got it home and set it up, the ignitor was messed up but no big deal I lit it myself and it ran great for three days, then the fuse blew on the auger motor. I replaced the fuse and it blew again the second I turned it back on.

I unplugged the leads on the motor and turned it on and it stayed on, as soon as I plugged in the motor it popped the fuse again, so I figured bad motor and ordered a new one. Got the new motor, plugged it in and the fuse popped. Now I have no idea what to do. Any ideas please help my house is getting cold thanks.

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Re: ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by jawquin - 15 Dec 2012 22:38

How does the auger and auger tube look? Was there anything lodged in there?

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Re: ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by mark22ss - 15 Dec 2012 22:52

After it burned out the first time I cleaned the hopper all out and took off the auger cover, it looked ok. The auger did not spin very easily but Im not sure how easy it is supposed to spin as this is my first stove. I am burning wood pellets. I got a new motor and got it all set up. It ran about ten minutes and then the motor burned up as well.

Does anyone know where I could buy a motor cheaper, just the motor not the whole gear box with it? Also how easily is the auger supposed to turn? Not connected to the gear box it still does not turn all that easily and I wonder if it needs to be lubed or replaced.

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Re: ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by FirepotPete - 16 Dec 2012 01:04

Hi Mark, welcome to the forum. I have a 6039 and the auger feed is different so I'm not sure if the motor is the same. Maybe try pulling the auger and try turning on the stove without lighting and see if the fuse blows without the auger. If it doesn't I'd suspect a jam somewhere in the auger shoot.

No the auger shouldn't turn easily being that it is connected through a gear box so that won't tell you much.

Any stamped info on the old motor please post here and then we can help find just the motor.

Did you get a motor and gear box all new? I know in the older US Stoves the gear boxes didn't have much grease and most of us put zerks in and grease them yearly.

Let us know about the motor markings.

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Re: ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by mark22ss - 16 Dec 2012 13:41

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Yes the gearbox came with the motor and I pulled it apart and it looked like it was well packed with grease. My bro in law has the same stove and he says his auger gets jammed everyonce and awhile but that it does not burn the motor out when it happens, his stove will just shut down.

After the second motor died I cleaned my hopper out again and vaccuumed it all out. I dont know why my bro in laws would just shut down and mine burns up but hoping third motor is a charm I guess. Also I was wondering if there should be quite a bit of wood dust in that hopper? Maybe I got a bad load of pellets and it is jamming it up? It does not seem like there is very much but there is some.

The Motor is a Merkle-Korff b4415. I found it on the manufacturers site for 70 bucks and Im going to call them monday and see if I can buy the motor cheaper without the gearbox since I have 2. Thanks for the feedback and please let me know if you think of anything else, I really dont want to burn up another one.

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Re: ussc 6041 fuse and auger motor trouble PLEASE HELP

Posted by mark22ss - 04 Feb 2013 17:57

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Hey guys sorry took so long to get back. Thanks for the input but after I put another motor on that one popped the fuse also. I did not even hook the motor up to the auger i just hooked the wires up and it immediately popped the fuse. I talked to a tech on the phone from ussc and they said that the circuit board must be bad. I checked the continuity of the wires to see if there was a short or anything and there was not. Any other ideas? Otherwise I will be buying a new circuit board for about $350 I guess.

Oh and on a side note dont bother ordering an auger motor and gearbox directly from Merkle-Korff Like I did. They took forever to bill me and even longer to ship it to me. Then they added extra onto the price for shipping than they had on their website and I didnt save any money really anyway.

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