

New Cascadia front blower motor inop



[Patrick Galeski](#) 34 posts since Dec 28, 2014

New Cascadia front blower motor inop Mar 31, 2020 7:57 PM

We have a customer that has had several New Cascadias complaining the blower motor will quit working for a few hours and come back on. We have never been able to duplicate it in the shop. Finally got a chance to look at one while it was messed up. FCU was not communicating. Found we were missing GND-C at the FCU. Ended up finding a bad splice in the main dash harness. The FCU GND-C comes straight off a splice of a main GND-C instead of the GND-C splice pack in dash.

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Cut splice open and found the wire broke. Not sure yet if this is the issue all of his trucks are having.



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Tags: blower motor, new cascadia, p4



[Talbert Simonian](#) 1,742 posts since Nov 21, 2014

Re: New Cascadia front blower motor inop Mar 31, 2020 9:34 PM

Nice find there Patrick. Was the splice crushed?



[Patrick Galeski](#) 34 posts since Dec 28, 2014

Re: New Cascadia front blower motor inop Apr 2, 2020 6:49 PM

No it wasn't crushed. I'm still having complaints with team drivers on the New Cascadias where the bunk hvac will override the cab hvac while driving down the road. Still unable to duplicate the complaint.



[James Coady](#) 14 posts since Oct 25, 2019

Re: New Cascadia front blower motor inop Apr 1, 2020 11:33 AM

Nice Job!



[Clayton Campbell](#) 131 posts since Feb 16, 2016

Re: New Cascadia front blower motor inop Jul 10, 2020 3:29 PM

thanks Pat, very helpful



[Eric Robichaud](#) 7 posts since Jun 21, 2019

Re: New Cascadia front blower motor inop Aug 25, 2020 12:53 PM

HELLO PATRICK.

I HAVE A CUSTOMER WITH SAME COMPLAINT. DID YOU RECEIVED ANY FEEDBACK FROM YOUR REPAIR??

IF YES, I WILL GO STRAIGHT TO DASH HARNESS.

THANKS.



[Kyle Siebert](#) 3,913 posts since Nov 14, 2014

Re: New Cascadia front blower motor inop Aug 25, 2020 10:03 PM

Check out the blower power an ground 3 pin connector. Have seen 2 burnt up real bad. Must have been spread from factory and burnt up. Load tested and had good voltage drop.



[Kyle Siebert](#) 3,913 posts since Nov 14, 2014

Re: New Cascadia front blower motor inop Aug 25, 2020 10:04 PM

Its got a thick black and thick light blue wires going to it, about 24" left of the actual blower.

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[Devon Wartluft](#) 141 posts since Jan 31, 2018

Re: New Cascadia front blower motor inop Aug 26, 2020 6:47 PM

Been seeing the terminals melt on the big three pin connector as well mostly in the dash but did have one in the LH kick panel for the sleeper blower. I have been debating it is spread terminals or plugged recric filters causing a draw.



[Kyle Siebert](#) 3,913 posts since Nov 14, 2014

Re: New Cascadia front blower motor inop Sep 17, 2020 11:26 PM

Plugged air filter will actually cause less draw. Takes less power to move less air. Kind of a weird concept to grasp but it's true. If you take a vacuum cleaner and plug the hose it will draw less current. The motor will get hot because it requires air flow to cool it. So plugged filter could cause the actual blower terminals to melt. Not the jumper harness terminals though.



[Clayton Campbell](#) 131 posts since Feb 16, 2016

Re: New Cascadia front blower motor inop Sep 18, 2020 12:01 PM

yup, good point, a plugged filter causes a vacuum which means less molecular density in the air to cause resistance against the blower fins



[Devon Wartluft](#) 141 posts since Jan 31, 2018

Re: New Cascadia front blower motor inop Sep 18, 2020 2:19 PM

Interesting point, makes sense though



[Patrick Galeski](#) 34 posts since Dec 28, 2014

Re: New Cascadia front blower motor inop Aug 26, 2020 11:15 PM

Yes it fixed this truck but I have not found this issue on any other truck



[Eric Robichaud](#) 7 posts since Jun 21, 2019

Re: New Cascadia front blower motor inop Aug 26, 2020 11:08 AM

Thanks Kyle.

Customer called several times on the road, but as soon get to shop - woks well.

Know I know were to start. Cause intermittent.



[Penkse Shop Kansas City 0386-10](#) 10 posts since Jul 20, 2020

Re: New Cascadia front blower motor inop Aug 26, 2020 12:56 PM

Had this exact problem in the exact spot.

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[Harbinder Sethi](#) 2 posts since Mar 19, 2015

Re: New Cascadia front blower motor inop Aug 27, 2020 12:12 PM

I HAD ONE WITH SAME ISSUE, BUT FOUND BLOWER MOTOR POWER CONNECTOR PINS MELTED.
REPAIRED THE CONNECTOR AND RECTIFIED THE ISSUE.



[Richard Roberts](#) 1 posts since Jan 31, 2018

Re: New Cascadia front blower motor inop Sep 10, 2020 10:25 PM

[Tanner Goatley](#)