

2017 cascadia wont cut off



[Shop Managers](#) 13 posts since Nov 13, 2014

2017 cascadia wont cut off Dec 22, 2020 9:49 PM

2017 cascadia vu=in # jh6061

this unit wont cut off once ign is turned off only will cut off if master cut off switch is cut off i have looked at all fuses and relays replaced ign relays and cant find the problem now eninge wont rev up if key is on but will if key is off

unit has active

CPC04T fault 168/14 ecu powerdown not completed (main battery terminal possibly floating)

then other faults just come and go active inactive

CPC - 625/13 625/14 3187/9 524286/4

MCM- 96/13 84/13 625/9 158/2 171/13 1231/9 2000/9

TCM- 520718/4 520984/14 521221/19 521224/19

IPPC01T- 520200/6 (currently active) 520229/3 520230/5 (not active)

any help on this would be great and thanks to any one who can help

Tags: engine wont cut off



[Robert Cadell Jr](#) 2,783 posts since Nov 9, 2014

Re: 2017 cascadia wont cut off Dec 23, 2020 1:57 PM

Just for grins, remove the ignition switch see if the wiring to the switch is twisted and cut into the other circuits, there was a service bulliten out about a similar issue. Check to see if the right side windshield is Leaking if this is a Classic Cascadia (P3), if so reseal the windshields, make sure you have Freightliner glass, the aftermarket windshields are not cut correctly and will leak later.

I'll try to find the bulliten about the ignition switch

Check the PTPDM (Power Train PDM), long fuse box outside unit on left fender, and the harness as it curls down see if its chaffed anywhere



[Robert Cadell Jr](#) 2,783 posts since Nov 9, 2014

Re: 2017 cascadia wont cut off Dec 23, 2020 2:00 PM

see attached, hope it helps. you can use a thin zip tie in place of the washer mentioned if this is your issue

- [loose ign switch bulliten.pdf](#) 199.0 KB Preview



[Jesse Gutierrez](#) 480 posts since Mar 5, 2017

Re: 2017 cascadia wont cut off Dec 27, 2020 10:17 PM

2017 cascadia wont cut off

I haven't seen this fix in a long time, I have told people about this being a legit fix but lost the bulletin and could never locate it again until now ..



[Michael Palumbo](#) 1,587 posts since Nov 13, 2014

Re: 2017 cascadia wont cut off Dec 28, 2020 11:41 AM

Might look at [SS 1023249 Detroit Engine With A CPC and MCM Will Not Shutdown](#)



[Geoff Ambrose](#) 19 posts since Jun 26, 2020

Re: 2017 cascadia wont cut off Dec 28, 2020 1:58 PM

IF YOU EXHAUST ALL THESE OPTIONS, I HAVE SEEN ONLY 1 DO THIS BUT THE IGNITION SWITCH THAT THE TUMBLER GOES INTO CAN STICK. IF YOU TURN KEY OFF AND IT STILL RUNNING , TRY UNPLUGGING THE CONNECTOR FROM THE BACK OF THE IGNITION SWITCH. IF IT TURNS OFF THEN YOURS WILL BE THE 2ND I'VE SEEN. BUT DEFINITELY CHECK THE PINK WIRES GOING INTO SWITCH FOR TWISTING AND BOTH SAMS FOR WATER INTRUSIONS FIRST.



[Brandon Crouse](#) 9 posts since Sep 12, 2017

Re: 2017 cascadia wont cut off Dec 28, 2020 4:52 PM

I have run across one or two where the wiring to the ACM is rubbed through on the one box keeping the truck running with the ignition off. I don't remember the associated faults codes with it but it's an idea.



[Josh Rohner](#) 1 posts since Jun 29, 2020

Re: 2017 cascadia wont cut off Dec 28, 2020 6:39 PM

Pull the ACM battery fuse in the PNDB. If the ATD harness is rubbed and shorted to a power source, pulling the ACM fuse will remove the short if that is what is happening. It will also confirm the harness is causing the issue.



[Jim Wirick](#) 1 posts since Jul 1, 2020

Re: 2017 cascadia wont cut off Dec 29, 2020 2:12 PM

We have seen this with corrosion in acm oem connector.



[Steve Reppard](#) 155 posts since Jun 29, 2020

Re: 2017 cascadia wont cut off Dec 29, 2020 3:32 PM

I just had one doing this, Monitor cpc and mcm ign voltage to see if it stays powered up. If it does inspect wiring by air compressor and timing case also unplug 1-box harness. I had a 1-box harness chaffed and shorting 8 volts onto ign circuit.



[Graham Jones](#) 34 posts since Sep 14, 2017

2017 cascadia wont cut off

Re: 2017 cascadia wont cut off Dec 30, 2020 7:23 AM

I have seen this before a couple times and both times it was the MCM 21 pin was full of grease and it had absorbed water and was shorting the batt to ign. Once plugs were cleaned never happened again.



[Steve Reppard](#) 155 posts since Jun 29, 2020

Re: 2017 cascadia wont cut off Dec 30, 2020 11:12 AM

Graham, there is a service bulletin for this issue. If you have water in the connector you have connector or seal damage, but yes you are right water in mcm 21 pin will also cause this issue.



[Justin Taylor](#) 12 posts since Jul 5, 2019

Re: 2017 cascadia wont cut off Jan 4, 2021 4:15 PM

Our Dealership has also seen a couple of units that would not shut off with the key. the one unit we found a bad power supply for a phone charger back feeding power to the ignition circuit. once we unplugged it from the 12v plug, the truck shut off.