

P4-Next Gen Cascadia Headlights



Matt Brill 16 posts since Nov 20, 2014

P4-Next Gen Cascadia Headlights Jun 18, 2019 12:53 PM

Has anyone else had issues with the P4 Cascadia's LED headlights not coming on? I've got a truck (LN1186) in the shop now that the left headlight isn't coming on. The fix for this issue is to unplug the headlight and let sit for a minute or two, plug the light back in and everything works correctly. This is the 4th truck that I've worked on in a couple of months that has this issue. The issue is random, the headlights could have been on all night and when turned off for a second or two and then turned back on either 1 headlight is out or both are out. Or, the truck could have been sitting for a while and when the headlights are turned on either 1 is out or both are out. I've looked for a service solution but haven't found anything.



Talbert Simonian 1,881 posts since Nov 21, 2014

Re: P4-Next Gen Cascadia Headlights Jun 18, 2019 11:11 PM

I have seen similar issues like this. Try <https://www.dtnasolutions.com/docs/DOC-1033364?sr=search&searchId=74dd78b9-47c4-462d-af33-ceaf368e4d7f&searchIndex=5> and this one. <https://www.dtnasolutions.com/community/test-area/projects/mobile-test/blog/2018/11/12/pt-can-harness?sr=search&searchId=cda3d639-43b8-4830-bf9e-171be6721e25&searchIndex=7>. They may give you the direction you are looking for.



Jesse Gutierrez 496 posts since Mar 5, 2017

Re: P4-Next Gen Cascadia Headlights Jun 18, 2019 11:40 PM

I have come across this before and found that the relay/breaker type fuse they use for the lights have failed, after verifying no shorts, or voltage issues and installing new breaker type fuses the system works correctly, Talberts posts are also correct when verifying that there are not shorts to check near the radiator shroud , and frame rail this was very common when they first came out



Francois Tourigny 85 posts since Mar 8, 2019

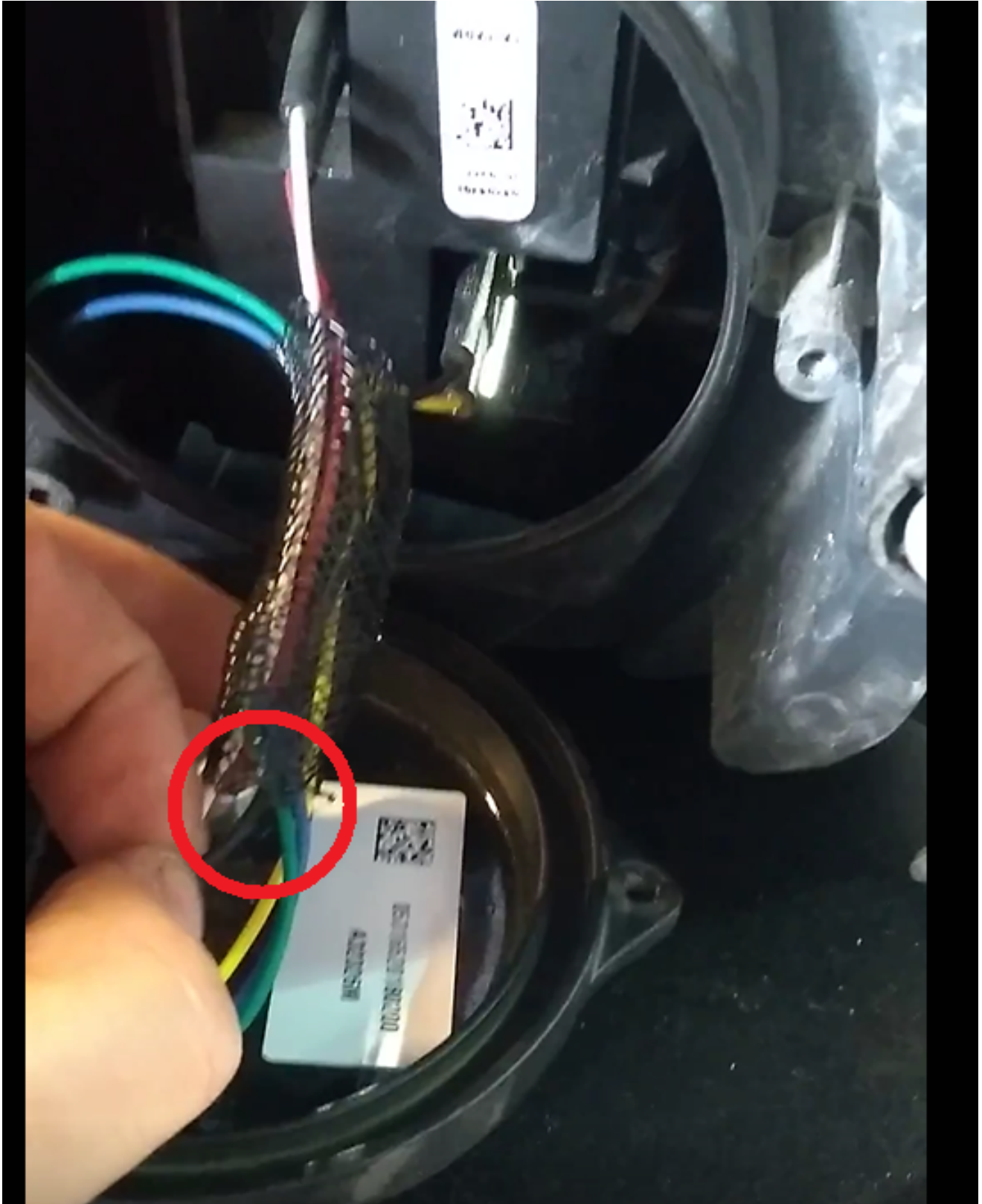
Re: P4-Next Gen Cascadia Headlights Jun 19, 2019 2:20 AM

I'm not sure if it's the same "led light" onto P4 and P3, but I've found this issue onto LED LIGHTS.

The black wire between the board and the light was too tight and it was breaking down. The light working randomly.

Here is a pic

P4-Next Gen Cascadia Headlights



Hope it helps!



[Sean Evans](#) 478 posts since Nov 12, 2014

Re: P4-Next Gen Cascadia Headlights Jun 19, 2019 3:20 PM

I was told by the CSC a while ago that there was a known issue with the P4 LED headlights going into sort of a software lockup because of low voltage. I had a truck with a bad battery and the cranking voltage was dropping below 10 volts, causing the headlights to not work. Once the truck was running, simply removing and reinstalling the circuit breaker would make them work properly. I haven't seen any new literature on this issue since then



[Cullen Diesel Power Ltd](#) 2 posts since Jan 3, 2018

Re: P4-Next Gen Cascadia Headlights Feb 18, 2021 12:40 AM

truck had failed battery sense wire overcharging, repaired wire replaced batteries, no headlights, pulled both fuses headlights came back



[Ryan Schmitt](#) 4 posts since Dec 13, 2018

Re: P4-Next Gen Cascadia Headlights Feb 6, 2020 4:46 AM

Just wanted to note that I just had my 4th P4 with LED head lights come in with the same issue. Unplugging and replugging the lights fixed the issue and I couldn't cause them to become inop again. Is there any up to date information on this?



[Kyle Siebert](#) 4,151 posts since Nov 14, 2014

Re: P4-Next Gen Cascadia Headlights Feb 6, 2020 5:38 AM

Have you done a powernet to make sure the batteries are good?

Check ssam 3 battery cables with load and measuring voltage drop per [SS 1034348 New Cascadia Unintended 4-way Flashers Activation](#). SSAM pins and VPDM pins. And where the chassis harness crosses over the top of the left frame rail, suspect for rub thru on the front outboard side of that bracket.



[Ryan Schmitt](#) 4 posts since Dec 13, 2018

Re: P4-Next Gen Cascadia Headlights Feb 6, 2020 10:41 PM

I didn't do a powernet test. The unit has 1,200 miles, assembled 11/19 and is in transport from factory. I don't want to assume an electrical circuit issue isn't the cause but having 4 brand new P4s with the same issue in the last year makes me wonder if it isn't an issue from a process at the factory.



[Kyle Siebert](#) 4,151 posts since Nov 14, 2014

Re: P4-Next Gen Cascadia Headlights Feb 6, 2020 11:07 PM

They could just have batteries that are low on charge. 1,200 miles isn't much. I'd charge the batteries then try and replicate the complaint. That seems more likely the cause.

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[Francois Tourigny](#) 85 posts since Mar 8, 2019

Re: P4-Next Gen Cascadia Headlights Mar 11, 2020 11:52 PM

We've get into similar issues and there is no headlamp troubleshoot at all (from what I've checked). I guess when harness is ok, there isn't lot of thing to do except replace the headlamp assy. The specified item was not found.



[Mike Sparkes](#) 273 posts since Jan 14, 2015

Re: P4-Next Gen Cascadia Headlights Feb 18, 2021 10:47 AM

Also worth noting Service Bulletin 54-331 Updated ULB Control Unit for LED Headlamp.

- [Cascadia P4 ULB Update Led Headlamps.pdf](#) 187.5 KB Preview