

Code 168/14 ECU Power Down Not...



[Kevin Flottmeyer](#) 171 posts since Nov 11, 2014

Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 2, 2016 8:50 PM

Have Series 60 EPA 07 that is logging code 168/14. Truck serial # AC6992, I T/S this code and can't find anything wrong yet the code is active. Pin 1 on Connector 2 has 12.5 volts and Pin 2 on that connector has a good ground. Tried a Test CPC but still logs the same code. There is a ground disconnect switch installed but it looks like it is installed correctly. Anybody had this code and what was the fix?



[Jon Cecil](#) 902 posts since Nov 25, 2014

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 4, 2016 2:14 AM

I would load test that circuit with a headlight. If the light turns on, then the wiring is good. If the light doesn't turn on, then that circuit isn't able to carry that current. If the light doesn't come on, start at the fuse. Fuse 9 in the PDM supplies voltage to pin 1 of the CPC #2 connector. If the fuse is ok. Jump 12 volts to that pin to see if the code goes inactive.



[Chaz Trimble](#) 1,363 posts since Feb 2, 2015

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 4, 2016 2:41 PM

Drag test terminals in PTPDM, CPC, and bulkhead connector. If the cutoff switch is a main ground disconnect, the CPC and other ECU's wouldn't be able to power down if the switch is turned off even if the key is on. That's why the disconnect switches were changed (PNDB) to allow the DEF systems to purge, and ECU's to properly power down.



[Kevin Flottmeyer](#) 171 posts since Nov 11, 2014

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 7, 2016 3:29 PM

Drag tested all terminals they were ok. Check each circuit with a light and found when connecting to the #2 connector Pin 1 that the light wouldn't come on but had 12 volts when checking with voltmeter. Check wiring and found that the wire was corroded in vehicle harness on engine side. Repair wire and code went inactive.



[Scott Trippel](#) 4,003 posts since Dec 13, 2014

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 7, 2016 3:39 PM

Nice find.

We see that allot, multimeter reads 12 Volts but will nor support a load such as a test lamp.

We find we have to load test individual wiring quite frequently.



[Chaz Trimble](#) 1,363 posts since Feb 2, 2015

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 7, 2016 11:20 PM

Nlce! Load testing is Important. Forgotten a lot of the time.



[Clayton Campbell](#) 143 posts since Feb 16, 2016

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 7, 2016 7:48 PM

check the PTPDM fuses for cracks as we've found several fuses with hairline cracks caused by movement as a result of the terminals weakening . To the naked eye they looked fine,even tested fine till they had a load on them then they'd heat up and spread so upon closer inspection we'd find the crack. the PDM's external fuse terminals and the internal terminals are both susceptible to loosing their temper and spreading.....



[Scott Trippel](#) 4,003 posts since Dec 13, 2014

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Sep 7, 2016 9:38 PM

In Western Stars I haven't seen cracked fuses yet at the PDM. But we do see the terminals in behind come loose. We have soldered the terminals together on four PT PDM's



[Daryl Johnson](#) 26 posts since Sep 9, 2016

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) May 27, 2020 3:11 PM

I have a P3 2014 Cascadia with 481,086 miles that has this fault logged, I'm curious what parameters the CPC has to see before the fault is logged?

The truck inadvertently has shut down the engine and dash lights go off, then it re-starts normally. I've never caught it doing this I suspect the PNDB has a faulty internal connection I've performed voltage drop checks but keep drawing blanks.

Regards



[Dyllon Fowler](#) 1 posts since Nov 15, 2017

Re: Code 168/14 ECU Power Down Not Completed (Main Battery Terminal Possibly Floating) Dec 4, 2020 4:28 PM

I am having the complaint. The fault is logged yet I never catch the issue happening. Did you figure your issue out?