

New Cascadia No crank No start...



[Salem Beaulieu](#) 2 posts since Jan 30, 2018

New Cascadia No crank No start intermittent Jan 20, 2021 1:35 AM

Hi guys!

Currently having an issue with a P4 vin JZ9605 that has an intermittent issue where the truck won't crank nor start. The customer recently changed the starter thinking it was the problem to no avail. Checked the codes in the powertrain and chassis modules and only two codes were there. First one is 677/3, checked for voltage at 21 of the mcm 21 pin connector and I have no voltage key on while connector is unplugged. Troubleshoot asks to replace the starter but it has already been changed and it hasn't addressed the issue. The other one is 174/17 which was a corroded terminal on the supply fuel pressure sensor connector, haven't replaced the sensor just yet since I want the engine to start if it ever does start. Now I checked the starter parameters in the CPC and MCM. The CPC parameter AS: Engine Starter Mode shows: starter inhibited due to engine already running. But the engine isn't running. Is there a way to know where this parameter takes the information to know what I should be monitoring? Every speed parameter for engine is showing 0 rpm, so are the cam and crankshaft sensors. The CPC sees my start request with the ignition switch but the mcm refuses to allow it since it sees the engine running for some reason. Tried an mcm and cpc test with the same result. Parameter changes by itself to something akin to no request detected and then it can start but as soon as you turn the switch off to kill the engine it's back to seeing the engine running. Any help would be gladly appreciated.

- [Morneau.png](#) 173.7 KB
- [\(1FUJHLDR2KLJZ9604\) 1-19-2021 2004.12.DrumrollLog](#) 112.4 KB

Tags: no crank, new cascadia, p4



[Chris Vanboom](#) 185 posts since Nov 21, 2014

Re: New Cascadia No crank No start intermittent Jan 20, 2021 2:36 PM

We had one exactly like this a few years ago, spent days on it. The root cause was a faulty cam position sensor AND the crank position sensor was not fully seated in the flywheel housing. We ruled out the engine speed sensors early in the troubleshooting because the problem was exactly the same with either sensor unplugged, turns out that separate issues with each sensor created the same symptom. When the engine would crank, it would start and run fine with no codes.



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Re: New Cascadia No crank No start intermittent Jan 20, 2021 11:54 PM

Thanks a bunch Chris! I checked both cam and crank position sensor, both were fine, decided to replace them both anyway. The engine now starts every time! Saved me a lot of searching around that's for sure.