

DD13 ghg17 cascadia with spn677 fmi31



DANIEL HARTFORD 1 posts since Sep 24, 2020

DD13 ghg17 cascadia with spn677 fmi31 Oct 2, 2020 6:33 PM

working on a p3 Cascadia (gp9746) intermittent no crank. monitored bottom of clutch signal, signal intermittent, R&R clutch switch, unit still flashed cel when it fails to start inspected battery terminals, frame ground, starter mounting, removed crank sensor found no build up. Removed flywheel inspection cover and didn't find any damage to teeth, checked repair history no recent flywheel or starter associated repairs. the fault 677/31 is not in the ghg17 t/s manual. I did program and install a test cpc (no difference) , inspected mcm 21 pin, no corrosion or damage found. did have old occurrences of 677/12 from months ago, so loosely based my initial t/s off the presence of 677/12. before reaching out to csc, has anyone had any luck with this fault appearing in a ghg17 unit?



Talbert Simonian 1,786 posts since Nov 21, 2014

Re: DD13 ghg17 cascadia with spn677 fmi31 Oct 2, 2020 10:10 PM

The only thing I found is this

188.7 SPN 677/FMI 31 - EPA07 - EPA10 - GHG14

Starter Jammed (tooth to tooth jam)

Note : This fault indicates the starter teeth have not engaged correctly into the flywheel (jammed).

Attempt to start the engine. If the engine starts correctly, attempt to start the engine three times. If fault does not re-occur, clear code and release vehicle. If starter does not properly engage the flywheel some possible causes may be:

Starter motor alignment Starter drive damage Incorrect starter installed Flywheel damage It still maybe a MCM issue.



Jesse Gutierrez 430 posts since Mar 5, 2017

Re: DD13 ghg17 cascadia with spn677 fmi31 Oct 3, 2020 6:07 PM

I had that code as we and ended up load testing all my grounds to the starter and found one of my main starter grounds bad but would cause a intermittent 677/31 and no start



Michael Palumbo 1,453 posts since Nov 13, 2014

Re: DD13 ghg17 cascadia with spn677 fmi31 Oct 3, 2020 12:09 AM

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Re: P4 code 677/31 (starter jammed tooth to tooth) might be helpful