

d20m8 - SPN521004/FMI 14



[David Meinecke](#) 3 posts since Mar 21, 2016

d20m8 - SPN521004/FMI 14 Oct 7, 2020 4:21 PM

During a d20m8 acm software reprogramming, ran into an issue causing fault code to come active. Code is spn521004/fmi 14 - automatic gear selection - incompatible or missing dataset. After completing all the troubleshooting steps it is still active and cant seem to find a way around it. Laptop says dataset not compatible and the dash display showing cpc not configured / shifting impaired. Can anyone point me in the right direction here?

Truck is

2019 Freightliner Cascadia P4

build date 7/18

vin# JW7552



[Kyle Siebert](#) 4,010 posts since Nov 14, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 7, 2020 4:44 PM

What ECUs did you flash?



[David Meinecke](#) 3 posts since Mar 21, 2016

Re: d20m8 - SPN521004/FMI 14 Oct 7, 2020 5:50 PM

MCM, ACM, CPC, TCM



[Kyle Siebert](#) 4,010 posts since Nov 14, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 7, 2020 6:00 PM

Did you save or upload CPC parameters to the server before gathering server data for your truck? If not, you might want to try flashing the CPC and MCM to factory/OEM.



[David Meinecke](#) 3 posts since Mar 21, 2016

Re: d20m8 - SPN521004/FMI 14 Oct 7, 2020 6:20 PM

Yes, im pretty sure it was uploaded originally before attempting the first reprogramming. is there any literature on the reprogramming that I could use to ensure that I get it back to factory / oem?



[Sam Adams](#) 10 posts since Jun 19, 2018

Re: d20m8 - SPN521004/FMI 14 Oct 12, 2020 7:49 PM

check out service bulletin 54-308 titled Chassis ECU Programming. applicable to PT ECU's as well IMO.



James McFadden 156 posts since Dec 9, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 13, 2020 11:50 AM

https://dtnacontent-dtna.prd.freightliner.com/content/dtna-servicelit/bulletins/en_us/freightliner/service-bulletins/sb54308.html?

quick link for the lazy people lol.. I got you Sam.



Sam Adams 10 posts since Jun 19, 2018

Re: d20m8 - SPN521004/FMI 14 Oct 13, 2020 11:52 AM

my man lol



Jon Cecil 848 posts since Nov 25, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 7, 2020 6:54 PM

Did you open the parameters tab on the left part of the page before doing any programming? The parameters are stored locally on your computer. Go back to the parameters and click the "Compare Parameters" tab. Change first source CPC. Choose local history for second source and choose the file with the earliest time on it. This can be imported into the CPC by hitting the import all button. Otherwise using the update with server configuration under program device could be used. Would have to select OEM. The software is most likely going to revert back to an older version though.

I edited this to correct some things.



James McFadden 156 posts since Dec 9, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 8, 2020 12:18 PM

have you key off and let all modules power down and wait 5 min then key on ? also perform auto config <https://www.dtnasolutions.com/community/blogs-home/how-to/blog/2019/03/25/how-to-diagnostic-link-programming-faq>



Charles Page 1 posts since Nov 17, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 8, 2020 1:12 PM

I had same issue. CSC found a file missing from the mainframe. After they repaired the software and I reflashed CPC everything worked ok.



Jesse Gutierrez 431 posts since Mar 5, 2017

Re: d20m8 - SPN521004/FMI 14 Oct 8, 2020 10:08 PM

AS Charles states its a issue on CSC software side updating the cpc . FLASHING the CPC a second time doesn't always work and you will HAVE TO CALL CSC... make sure you note if the customer had manual

mode/ performance mode enabled so when you call CSC in for them to reflash and update the server they can enable those parameters for you... I have ran into this a few times



[Steve Reppard](#) 101 posts since Jun 29, 2020

Re: d20m8 - SPN521004/FMI 14 Oct 9, 2020 10:35 AM

We have been seeing some cpc parameter issues after programming. I have found that if you "replace" with oem all parameters reset properly. We also powerdown unit for 5 minutes for certain chassis codes that log until key cycle- this info is NOT in bulletin.



[Jesse Gutierrez](#) 431 posts since Mar 5, 2017

Re: d20m8 - SPN521004/FMI 14 Oct 9, 2020 2:27 PM

That's similar to when your running the ICUC autoconfig if you don't power down it normally won't pass the first time , sounds like depending on trans type manual or auto there are all types of issues going on with these



[Dave Hasselbach](#) 34 posts since Nov 11, 2014

Re: d20m8 - SPN521004/FMI 14 Oct 9, 2020 12:24 PM

VRDU02T - Video Radar Decision Unit 2			
	Brake suppression	n/a	
	ECU Parameter	A0004474051-001	Default ECU no PWM
	Function ABA	A0014477851-002	Defaultstring ABA no Switch DTNA
	no aba switch installed	(from parent)	no ABA Switch installed
	no kickdown switch installed	A0024478251-001	Kickdown Switch only in Warning Cascade
	no turn signal driver activity	(from parent)	do not use Turn Signal Driver Activity
	additional optical warn time	(from parent)	0.0
	CBA Function	(from parent)	no CBA Function

VRDU parameter for GVC ABA function, should be "No Kickdown Switch"
Have run into this numerous times.