

Odd Regen issue



[Greg Gallinger](#) 7 posts since Jan 16, 2019

Odd Regen issue Oct 20, 2020 6:37 PM

I have a m2 with dd13 ser# HS4506 with fault 3480-2 as the only code. As soon as I start the engine My diagnostic software shows it as regen in progress. This doesn't make sense to me as the rpm stays at idle and will not increase to regen state. I did find that the cruise control switch seems to be working but with it set to off I can still increase the idle speed with the set/resume switch? Anybody see whatever I'm missing?



[Chris Vanboom](#) 145 posts since Nov 21, 2014

Re: Odd Regen issue Oct 20, 2020 7:31 PM

If the cruise set/accel switch is changing RPM, then the truck is in PTO mode and the regen will not start. Monitor your PTO inputs - I expect you will see it is in a PTO mode.

I have seen the "ball" switch on the PTO assembly fail and keep the engine in PTO mode - preventing the regen from starting.



[Greg Gallinger](#) 7 posts since Jan 16, 2019

Re: Odd Regen issue Oct 20, 2020 8:14 PM

Thanks for the reply, there is a separate pto switch that ramps up the rpm. Seems to be working. I will see if I can get anywhere with checking for pto mode sticking on today. I'll post back after checking.
Cheers,



[Cromwell Smith](#) 105 posts since Nov 13, 2014

Re: Odd Regen issue Oct 20, 2020 8:40 PM

ARE YOU USING DIAGNOSTIC LINK? IF NOT, POSSIBLY SOMETHING IN THE SOFTWARE YOU ARE USING.



[Greg Gallinger](#) 7 posts since Jan 16, 2019

Re: Odd Regen issue Oct 20, 2020 8:57 PM

I'm using Jpro. working on all the other 14 trucks we have. It's set to do a passive regen. I wonder if this could have anything to do with it? Just doesn't make sense as I should be able to do a forced regen with the tool. If the engine is not running the screen seems normal but as soon as I start the engine the tool shows regen running but doesn't ramp up and there is no option to stop the regen with the tool as per usual. Maybe if I'm lucky I can convince the owner to get the right diagnostic equipment instead of cheaping out! smh.

Thanks for the input though.

Cheers.



[Jon Cecil](#) 848 posts since Nov 25, 2014

Re: Odd Regen issue Oct 21, 2020 2:02 AM

I agree with [Chris Vanboom](#) on this. Had a unit come in that was a wiring nightmare. Found unit in PTO mode all the time but the PTO has been removed from the unit. I found someone had wired pin 2/9 straight to ground. Cut wire and was able to do parked regens.



[Greg Gallinger](#) 7 posts since Jan 16, 2019

Re: Odd Regen issue Oct 21, 2020 11:16 AM

According to diagnostic software this unit is not in pto mode. I am thinking something along the lines of a shorted wire somewhere but not much to go on. No codes other than the one mentioned and everything works other than the strange regen in progress and such. The software shows cruise control is off also, so I can't understand why I can throttle up with the set and resume switch? This unit has been operating properly for the 3.5 years I've been here but it's a spare and doesn't get used very often.



[Chris Vanboom](#) 145 posts since Nov 21, 2014

Re: Odd Regen issue Oct 21, 2020 1:23 PM

The first step in the troubleshooting the 3480/2 fault is to check the MCM software level. If your software is out-of-date, an update may solve the problem. We had a bunch of DD13's up here with 3480/2 codes last year - between the software and a few HC doser line issues they were all solved. We were dealing with a DD16 last week that would not start a regen using DDDL for unknown reasons. We took the unit for a drive and regen'd with no problems when we returned - the theory was that too many regens were performed and it locked them out.



[Greg Gallinger](#) 7 posts since Jan 16, 2019

Re: Odd Regen issue Oct 21, 2020 2:16 PM

Looks as though Cromwell Smith is on to something... I found one pin damaged on the adapter cable. tried to straighten but same issues. I'll have to get a new cable or borrow one to check. tested today on another truck and the same items don't populate under bi-directional tests.

Thank you for all the suggestions. Ill post back after I receive the new cable and check it again. There may be no issue with the truck after the injector replaced.

Cheers.