

Free ebook Cummins isc engine code 559 .pdf

cummins fault code 559 injector metering rail 1 pressure cummins isx 15 fuel pump inspection alrey industries top tech diesel 4 2k subscribers code 559 is a fault code that indicates an issue with the injector metering rail 1 pressure in cummins engines this fault code can have various causes such as a faulty pressure sensor a malfunctioning fuel pump or a problem with the engine injector itself if the engine is running with an active fault code 559 and fault codes 449 1911 or 2311 are not present check the ecm power supply for intermittent connections or battery issues fault code 1117 can also be active if this fault condition exists if the engine is running with an active fault code 559 and fault codes 449 1911 or 2311 are not present check the ecm power supply for intermittent connections or battery issues fault code 1117 can also be active if this fault condition exists i think the only thing you can do now is to install a external elec pump on one engine that can supply about 10 psi at about 30 40 gph put it close to the engine and test it pumping into a 5 gallon receptacle first to see if it can pump close to 5 gallons 10 minutes the high pressure fuel pump performance test will replace the high pressure fuel pump return flow test in the fault code 559 troubleshooting tree test both the fuel volume and fuel pressure capabilities of the high pressure fuel pump at the same time fault code 559 pid p sid s p157 spn 157 fmi 1 18 lamp amber reason the ecm has detected that fuel pressure is lower than commanded pressure effect possibly hard to start or low power engine could possibly not start my 2016 peterbilt 579 with cummins isx throwing code 559 only when i go uphill with gas pedal on the floor 55mph 75mph first both check engines fault code 559 sets when the engine is running and measured rail fuel pressure remains at least 100 bar 1450 psi less than commanded pressure check engine with code 0559 replaced fuel filters and prime the fuel system i also replaced fuel pressure sensor fault code 559 sets when the engine is running and measured rail fuel pressure remains at least 250 bar 3625 psi less than commanded pressure once detected fault code 559 will remain active until the engine is turned off or until the measured rail fuel pressure matches the commanded rail fuel pressure i have a cummins isx with code 0559 and 2343 i have replaced both pumps the pressure relieve valve both filters isolated answered by a verified technician cummins engine code 559 engine low power with black smoke connecting cummins insite fault code 559 injector metering rail 1 pressure data valid below normal operating range moderately severe level attachment is the data downloaded from insite the code could be caused by a glitch in the software i looked up that 559 and a reflash is one of the possible solutions i think they start with a pressure test of the pump it can be a bad connection to the ecm a bad sensor bad relay voltage problem and some other stuff cummins fault code 559 injector metering rail 1 pressure data valid but below normal operating range m seized ceramic plunger compared to how it should look normally this was a close call damaged ceramic plungers can cause severe engine damage fault information system fis is a downloadable version of the fault code troubleshooting manual it provides information about fault codes procedure numbers to perform repairs and step by step troubleshooting on the engine normal engine operation creates highly pressurized fuel in the fuel line which will remain in the fuel line after engine shutdown never open the fuel system when the engine is operating before servicing the fuel system always loosen the pump to rail fuel line at the rail to vent the pressure find codes by make obd2 obdii engine light codes definitions description and repair information diagnose and repair engine light codes transmission and body codes engine codes com your vehicle s

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