

Cranking issue



[Jim Gjerseth](#) 16 posts since Aug 27, 2019

Cranking issue Oct 20, 2020 7:51 PM

Truck cranks with master disconnect on and key off. We put a starter in this unit, vin GX2141, yesterday for no crank no start issue. Customer took. Went on road call this morning, master disconnect by seat was off. Turned on the master disconnect and engine started to crank. Turn off MD and unit stopped cranking. Unplug mcm 21 pin and it would not crank. Has battery voltage to mcm pin 20/21 when turned to crank. Had 5.6 volts to starter solenoid wire with it not hook to starter relay mounted on starter. Put test light to wire and voltage went away. Hooked back to starter and now unit starts normal.



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

Re: Cranking issue Oct 20, 2020 9:11 PM

Was there any damage to the pins on the 21 pin or any contamination? Have seen a heavy buildup of dielectric grease cause starter issues. The 5 volts measured with the wire disconnected is normal. This should have thrown a fault code when hooked up to DiagnosticLink.



[Jim Gjerseth](#) 16 posts since Aug 27, 2019

Re: Cranking issue Oct 21, 2020 1:41 PM

677/3 was the fault. went through the troubleshooting and it said to replace starter relay(starter). No mcm 21pin damage or excessive grease or contamination



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

Re: Cranking issue Oct 21, 2020 3:13 PM

If it happens again and able to duplicate. I would check routing of MCM start wire to the starter. If no issues found and it holds a load, a test MCM might be in order. It would be great to catch the issue when hooked to DiagnosticLink but that might be difficult since it is only showing up when during the CLDS on.



[Morgan Barnes](#) 17 posts since Mar 8, 2016

Re: Cranking issue Oct 22, 2020 10:45 AM

I AGREE WITH JON. I HAD A P3 GHG14 ONE TIME THAT WOULD CRANK RANDOMLY BY ITSELF. FOUND ISSUE IN THE WIRING HARNESS RUNNING UP AROUND THE FRT OF THE OIL PAN. IT HAD BEEN RUBBED THROUGH FROM NOT BEING SECURED PROPERLY.