

# P4 No start

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[Daryl Foster](#) 3 posts since Nov 18, 2014

**P4 No start** Feb 1, 2021 9:20 PM

Had a P4 MF3416 came in as a no start. I got tagged in when the other tech reached his limit. No connection to power train modules. Chassis can faults too many to list. However after chasing all the faults in the system, I checked dash codes and found active 639/2 Chassis Can service. Removed ICU and checked resistance at pins 9 and 18. 1.4 ohms. traced over to star point and checked all pairs and found pins 16 and 18 have 1.4 ohms. dug down and found this is the harness for the steering angle sensor. unplugged and resistance went to 60 ohms. Now able to connect to all modules on the unit, and it starts Has anyone seen this?



[Jesse Gutierrez](#) 496 posts since Mar 5, 2017

**Re: P4 No start** Feb 2, 2021 2:14 AM

Possible failed shorted steering angle sensor or wiring, have to checked each leg to ground ? and tried a test sensor?.. I just had a truck same issue no crank no start, had a shorted cab pt can harness



[Daryl Foster](#) 3 posts since Nov 18, 2014

**Re: P4 No start** Feb 2, 2021 1:28 PM

Jesse the sensor is shorted. I checked the wiring and it is intact. Shocked that this sensor in particular can shut a unit down.

Once it happens it makes diagnostics fun with no communication LOL



[Michael Palumbo](#) 1,620 posts since Nov 13, 2014

**Re: P4 No start** Feb 2, 2021 2:21 AM

Good find.

I have had steering angle sensors fail but not in a chassis CAN high side to low side short like yours.

1.4Ω essentially shut down your chassis CAN. Since the chassis CAN is one of the CANs the CPC is connected to, a no start is understandable.