

523013/31 seat occupation not ok.



[Ramses Gastelum](#) 2 posts since Jan 31, 2015

523013/31 seat occupation not ok. Jul 24, 2020 4:55 PM

looking for solutions for code 523013/31 seat occupation not ok vrdu02 is throwing the code. cant find any troubleshooting on it or any information.

thanks.



[Kyle Siebert](#) 3,999 posts since Nov 14, 2014

Re: 523013/31 seat occupation not ok. Jul 24, 2020 6:03 PM

What's the last 6 of the vin?



[Ramses Gastelum](#) 2 posts since Jan 31, 2015

Re: 523013/31 seat occupation not ok. Jul 24, 2020 8:05 PM

mg3264



[Jon Cecil](#) 844 posts since Nov 25, 2014

Re: 523013/31 seat occupation not ok. Jul 25, 2020 2:45 PM

There is a wiring diagram G66-09489-000 listed under that VIN. There is a small section in the Troubleshooting manual in section 1.09.011 talking about the occupancy sensor. I couldn't find any troubleshooting either but going off the diagram might get you a little farther. I'm not sure on the circuitry but you can at least check the wiring from the sensor to the SSAM. Then I would leave the meter hooked up to the connector at the SSAM with all other connectors connected. Occupy the seat and see if anything changes on the meter. I'm not sure if the switch is normally closed or open.

There is also a section in the workshop manual 91.00.110 talking about the lower seat cushion. The sensor is built into it but has a picture showing where the connector is.



[Michael Palumbo](#) 1,451 posts since Nov 13, 2014

Re: 523013/31 seat occupation not ok. Jul 26, 2020 1:35 PM

The sensor might not be an open close switch. For diagnostic feedback, it is possible it has one Ω value when unoccupied and another Ω when occupied, in this way the aSAM can detect open circuit and short circuit faults in addition to occupied and unoccupied.

523013/31 seat occupation not ok.

If only the SOS Spec 26-01293-000 was authorized for distribution Feedback our hands wouldn't be tied to checking another vehicle.



[Kyle Siebert](#) 3,999 posts since Nov 14, 2014

Re: 523013/31 seat occupation not ok. Jul 26, 2020 4:42 PM

I wonder if it could be a parameter in the sSam as well. If the seat is wired to the Sam and that data is multiplexed to the vrdu.



[Michael Palumbo](#) 1,451 posts since Nov 13, 2014

Re: 523013/31 seat occupation not ok. Jul 26, 2020 9:59 PM

Very well could be.

:PARAM-SSAM,SEAT,OCCUPANCY,ENBL 039 447 15 58 is in this VIN's BOM 32L. [Ramses Gastelum](#)
Does your vehicles sSAM have this parameter enabled.



[Jon Cecil](#) 844 posts since Nov 25, 2014

Re: 523013/31 seat occupation not ok. Jul 26, 2020 11:18 PM

If the wiring checked out and we're getting two different readings with a meter when sitting off and on the seat, I was leading that way that there might be a parameter issue.



[Devon Wartluft](#) 165 posts since Jan 31, 2018

Re: 523013/31 seat occupation not ok. Oct 2, 2020 6:31 PM

Did this one have an active brake message on the dash? We had a driver calling saying he had changed out his seat. After changing the seat he had an active brake message come up on the ICU. He said the original seat did have wiring going to it. He tried just jumping the wires together but that didnt work. Doubtful we will get to work on the truck as it sounds like he was just passing by the dealership. The vin is LS6876. Does show the G66 mentioned above. Is also reporting the occupant sensor fault as well in VT.

Right now it is just a general curiosity. Cause I've seen the two wire going to the seat belts for the indicator is that the same as the occupant sensor, but only figured it was for the seat belt warning indicator.

I was leaning towards it being a coincidence still kind of am. As I cant find any other supporting evidence other than the fault mentioned in the thread being reported by the VRDU. Nor do I remember info on the seat in the Assurance training modules.

If the Assurance system has the option of being tied into the seat belt/occupant sensor it is defiantly good info to have in the back of ones pocket.