



+ Ramses_Gastelum

New User

07-24-2020 09:55 AM

523013/31 seat occupation not ok.

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.

Labels :

New Cascadia

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3 Kudos

Reply



Kyle_Siebert

Optimus Prime

07-24-2020 11:03 AM

What's the last 6 of the vin?

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0 Kudos

Reply



+ Ramses_Gastelum

New User

07-24-2020 01:05 PM

mg3264

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0 Kudos

Reply



Jon_Cecil

Gear Head

07-25-2020 07:45 AM

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.

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2 Kudos

Reply



Michael_Palumbo

King Pin

07-26-2020 06:34 AM



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.

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


Whether you think you can or you think you can't, you're right. – Henry Ford

Add tags

 1 Kudo

Reply




 Kyle_Siebert
Optimus Prime

07-26-2020 09:42 AM


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.

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 2 Kudos

Reply



 Michael_Palumbo
King Pin

07-26-2020 02:59 PM



Very well could be.

:PARAM-SSAM,SEAT,OCCUPANCY,ENBL 039 447 15 58 is in this VIN's BOM 32L. [D70RAGA](#)
Does your vehicles sSAM have this parameter enabled.

Whether you think you can or you think you can't, you're right. — Henry Ford


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 Jon_Cecil
Gear Head

07-26-2020 04:18 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.


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0 Kudos

Reply



 Devon_Wartluft
Wrench Turner

10-02-2020 11:31 AM

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 seal 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.


Add tags



0 Kudos

Reply



 Josh_Hudson
Apprentice

03-22-2021 06:30 AM

Just had a unit come in for this fault, found that both terminals were not seated in connector right at base of seat. Installed terminals and fault would not go inactive, after messing with checking resistances just thought to try sitting in seat and fault went inactive once I sat in the seat. Just thought I'd let people know.

Add tags



1 Kudo

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