

WABCO ABS SYSTEM



[Jason Ziegler](#) 39 posts since Aug 24, 2015

WABCO ABS SYSTEM Dec 8, 2020 5:27 PM

I HAVE A 2020 FREIGHTLINER M2 106 THATS A PROPANE TRUCK, LAST SIX OF THE VIN LU9764. I HAVE FAULT CODE SPN 790/4 RIGHT FRONT WHEEL SPEED SENSOR, SHORTED TO GROUND. THE FAULT ONLY BECOMES ACTIVE WHEN I AM TURNING LEFT AND THATS WHEN THE TRUCK IS MOVING, IF SITTING STILL AND TURN LEFT THE FAULT CODE DOES NOT BECOME ACTIVE. I WAS JUST WONDERING IF ANYONE ELSE HAS RAN INTO THIS PROBLEM AND WHAT WAS FOUND. ANY DIRECTION WOULD BE HELPFUL. THANK YOU AND HAVE A GREAT DAY.



[Talbert Simonian](#) 1,850 posts since Nov 21, 2014

Re: WABCO ABS SYSTEM Dec 8, 2020 6:31 PM

Yes this is a harness issues. Need to inspect the right front harness on the sensor. With the front axle of the ground. Turn it to the right and watch what could and is rubbing on the harness. It could be pulling the harness.



[Jesse Gutierrez](#) 480 posts since Mar 5, 2017

Re: WABCO ABS SYSTEM Dec 9, 2020 2:56 AM

I normally disconnect the sensor and checked its resistance normally 900-2000k ohms and wiggle the harness while looking at my meter checking for it to drop out etc.. they get routed very tight sometimes on the s-cam tube up around the brake chamber and they will look normal on top but be rubbed through on the bottom shorting out.. if it checks out there I will then break the system into 3 parts sensor wiring then from sensor connector to firewall and then inside of cab to abs ecu... load test all wiring and make sure it holds a load



[Robert Cadell Jr](#) 2,776 posts since Nov 9, 2014

Re: WABCO ABS SYSTEM Dec 9, 2020 2:53 PM

Check below the abs module where the sensor wiring goes along the lower kick panel to the grommet in the floor, remove the left inner fender (the one with the PDM on it), check there at the 21 pin plug and where the harness wraps and goes down to the frame, the front abs connector will be right behind the steering gear box, its a 14 pin black connector I believe.



[Robert Cadell Jr](#) 2,776 posts since Nov 9, 2014

Re: WABCO ABS SYSTEM Dec 9, 2020 4:25 PM

ALSO WATCH WHERE THAT HARNESS RUNS ALONG THE LOWER PART OF THE CAB, THERES WELD LINES THERE AND WE HAVE SEEN THE WIRES GET USHD AGAINST THE SLAG AND INSULATION GET PUNCTURED, SHORTING TO GROUND.

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Jason Ziegler 39 posts since Aug 24, 2015

Re: WABCO ABS SYSTEM Jan 16, 2021 7:24 PM

I had found that when I removed the drivers side inner fender I found the harness that was coming over the frame going to chassis module was rubbing on a bolt . Repaired the harness and circuits and secured all the wires so no further issues could come back. Lights went out and turned left and right with no issues, thank you for all the input and suggestions . Thanks again.