

2006 freightliner columbia



[Tarnveer Girm](#) 1 posts since Oct 9, 2019

2006 freightliner columbia Sep 18, 2020 12:01 AM

The 2006 Freightliner Columbia Speedometer, Rpm, Oil Pressure, and Temp quit working when driving and comes back on after seconds. The odometer will say "no data" and the voltage indicator will go to zero and then slowly come back up when driving!!!!



[Michael Palumbo](#) 1,378 posts since Nov 13, 2014

Re: 2006 freightliner columbia Sep 18, 2020 12:58 AM

Speedometer, Rpm, Oil Pressure, and Temp are all received from the engine ECM over the j1939. I'm not certain if voltage is also or if it is measured from the ICU Bat input. You did not mention gauges sweeping so I'm not thinking ICU ignition input.

ICU pinouts can be found in the workshop manual 54.16.400.

Which engine or better yet the last six of the VIN will help identifying j1939 test points at the ECM and in-between.



[Robert Cadell Jr](#) 2,593 posts since Nov 9, 2014

Re: 2006 freightliner columbia Sep 18, 2020 1:33 AM

Does the unit have a mbe 4000 in it? I'm curious now



[Robert Cadell Jr](#) 2,593 posts since Nov 9, 2014

Re: 2006 freightliner columbia Sep 18, 2020 1:37 AM

J46891 should be a 2000 Columbia with a mbe, not to confuse this issue but maybe a point for reference

2006 freightliner columbia

Rob "Doc" Cadell

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Good Hunting - you'll find your issue

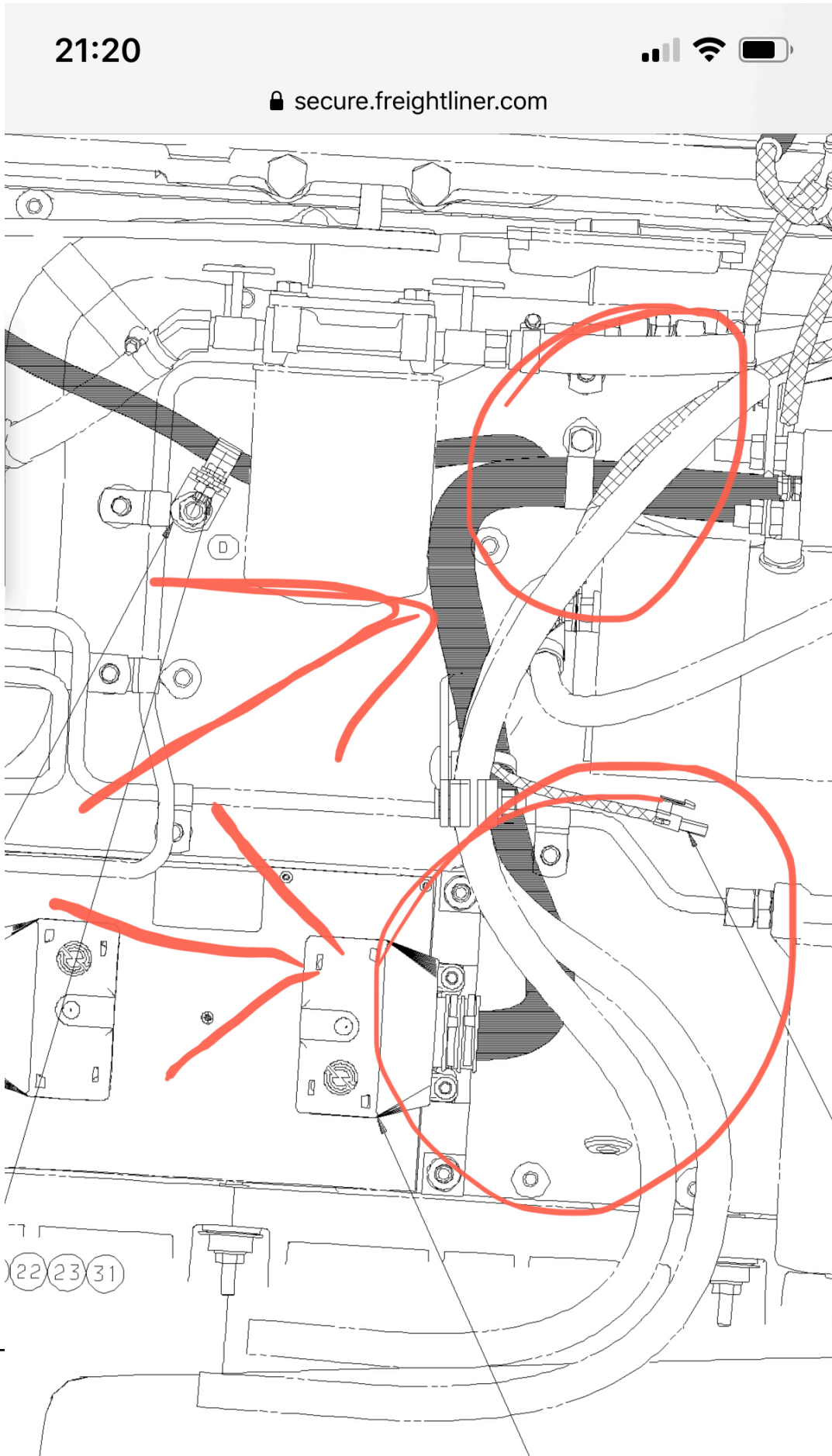


[Jon Cecil](#) 790 posts since Nov 25, 2014

Re: 2006 freightliner columbia Sep 18, 2020 3:26 AM

I think those instrument clusters were still talking on J1587, not J1939. VIN would help. If it has a series 60 in it, I've seen the J1587 wiring damaged in two areas by the engine ECM. The wiring will vibrate in the loom and cause it to corrode or the p clip securing the harness has damaged it

as well. See in the picture of the areas I'm talking about. The harness in question is the darker



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[Robert Cadell Jr](#) 2,593 posts since Nov 9, 2014

Re: 2006 freightliner columbia Sep 18, 2020 10:35 AM

I'm pretty sure we were at 250 K J1939, J1587 was still on its way out. (of the truck I mean)

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Good Hunting - You'll find your issue



[Jon Cecil](#) 790 posts since Nov 25, 2014

Re: 2006 freightliner columbia Sep 18, 2020 11:42 AM

A VIN would definitely help to see what the unit is built with. I looked up an 06 Columbia with a series 60 which I didn't see any J1939 wiring going to the cluster. There are only J1587 wires. I don't think the Columbia's with MBE4000's were any different.



[Robert Cadell Jr](#) 2,593 posts since Nov 9, 2014

Re: 2006 freightliner columbia Sep 18, 2020 11:45 AM

This is where age it terrible thanks Jon and Kyle

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[Jon Cecil](#) 790 posts since Nov 25, 2014

Re: 2006 freightliner columbia Sep 18, 2020 12:06 PM

The engineers didn't make it easy with the diagrams on these Columbia's and century's. There are some schematics but most issues I have had to diagnose require you to look through assembly and layout drawings to find where your component is even getting power from.

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[Michael Palumbo](#) *1,378 posts since Nov 13, 2014*

Re: 2006 freightliner columbia Sep 18, 2020 2:07 PM

Prefect example of why we ask for the last six [Read Before Posting - Info to Add to Every Question](#). Odds of it being a 60 series is high for sure but this could have been a glider for we know.