




DTNA Solutions > Discussions and Feedback > Tech Talk  
> FCC CHASSIS AN5119 , CUMMINS ISB 2150. FC 196 ACTI...

Options



 Raymond\_Hinton  
Apprentice

08-25-2017 08:08 AM

FCC CHASSIS AN5119 , CUMMINS ISB 2150. FC 196 ACTIVE LCL VOLTAGE LOW OR SHORTED. CUMMINS INSITE DATA DISPLAY SHOWS "NORMAL" LEVEL, PROOFED OUT HARNESS, NEW PROBE AND LCL MODULE, TEST ECM, WOULD A SHORTED DASH LIGHT CAUSE A CODE TO STORE IN INSITE? DOES T

✓ Jump to solution

FC 196 ACTIVE FOR LCL CIRCUIT, VOLTAGE BELOW NORMAL OR SHORTED TO LOW SOURCE, DATA DISPLAY ON INSITE SHOWS NORMAL COOLANT LEVEL, CUSTOMER INSTALLED NEW 2 WIRE SENSOR AND MODULE, I PROOFED OUT THE HARNESS BETWEEN MODULE AND ECM, NO SHORTS TO OTHER WIRES OR GROUND, LOAD TESTED WIRES WITH HEADLIGHT. 5 VDC MEASURED AT MODULE, THAT'S CORRECT. THE ONLY DIAGRAM I CAN FIND IS G06-67396 FOR THE LCL CIRCUIT ONLY. THE 5VDC SUPPLY #1 ON CUMMINS POWERS THE LCL, ALSO THE DPF DIFF SENSOR AND THE ACCEL #2 SENSOR. I DISCONNECTED THE 5VDC SOURCE FROM PIN 26 AND RAN IT DIRECTLY TO THE LCL MODULE SUPPLY, FC 196 STILL STAYS ACTIVE. MY QUESTION, CAN ONE OF THE OTHER SENSORS PULL DOWN THE SIGNAL VOLTAGE ON THE LCL ONLY? I'VE HAD PROBLEMS WITH THIS CIRCUIT ON OTHER TRUCKS AND USUALLY WILL PULL DOWN THE SUPPLY VOLTAGE WHILE POWERED UP. THIS #1 5VDC POWER VOLTAGE STAYS AT 5VDC WHEN POWERED UP.

Labels :

Service

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4 Kudos

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## 1 Solution ✓



**i** Raymond\_Hinton  
Apprentice

04-12-2018 09:40 AM

✓ Make sure you have the correct LCL module part number on the part itself that matches what Parts Pro calls for.  
I had a replacement module part # that was different from the box part #. Different calibration kept LCL codes active. The new part was boxed wrong. We had 3 on the shelf like that.

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2 Kudos

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## 6 Replies



Sean\_Evans  
Solutions Pro

08-29-2017 04:10 AM

Did the customer replace the original 3 wire coolant level sensor plug? If they did are the circuits in the correct cavities?


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0 Kudos

Reply



 Raymond\_Hinton  
Apprentice

04-12-2018 09:40 AM

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I had a replacement module part # that was different from the box part #. Different calibration kept LCL codes active. The new part was boxed wrong. We had 3 on the shelf like that.

[View solution in original post](#)


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2 Kudos

Reply



 Dan\_Burns  
Knuckle Buster

06-21-2019 08:19 AM

Hello  
I have a very similar issue. What did you find to fix the issue?


Add tags



0 Kudos

Reply



 Raymond\_Hinton  
Apprentice

06-21-2019 09:27 AM

Read the comment I added for the LCL module. If you add a new one, make sure the part # on the box matches the part # on the module. We had 3 on our shelf that were boxed wrong from the factory.

Ray


Add tags



3 Kudos

Reply



 Dan\_Burns  
Knuckle Buster

06-24-2019 02:38 PM

Thanks  
The LCL sensor was the root cause of failure for mine. The LCL sensor Rev G was a bad batch of sensors. I repaired my unit with a Rev H model two pin sensor.

Add tags

 1 Kudo

Reply




 Adam\_Cleere

Lube Tech

04-15-2021 04:43 AM

Im having exact same issues with a 2019 tiffin mh. no other faults, only 0196. harness carries load and is not shorted to self or ground. new lcls and module. 0196 persists. can only get all faults to go inactive when all is plugged up and sensor is dipped in a cup of plain water. FCCC has advised to drain all coolant and refill with water, then recheck. Persistence pays and logic will prevail.

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 0 Kudos

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