

DTNA Solutions > Discussions and Feedback > Tech Talk > Engine Fan Running All The Time



Dagan\_Williams  
Knuckle Buster

03-19-2021 11:18 AM

## Engine Fan Running All The Time

### Vehicle Information

VIN: 3AKJGLDR9DSBV2843

Model: CASCADIA 125 INCH SLEEPER CAB

Model Year: 2013

Mileage: 846,003 miles

Make: FTL

Are you currently seeing this same issue on other DTNA vehicles at your location?: no



Base Model: CA125SLP

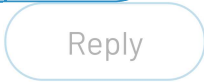
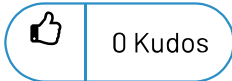
### Vehicle Systems Involved


ENGINE AND ENGINE COOLING      ELECTRICAL

Engine fan running all the time on DD15 VIN#BV2843. Ref schematic G06-73922-000 another tech has already performed an overlay on pin 98 from the MCM to pin B at the solenoid wire #439L bypassing the 10cav connector. Customer replaced Fan and Fan solenoid. Have load tested overlay and Pin A to pin 91. Verified the fan clutch opens when air is applied, replaced HVAC transducer due to reading incorrect and inspected wiring and is now reading correct. Fan only cuts off when ground is applied through a back probe at either the solenoid or at the MCM pin 98. Installed and programmed test MCM to the latest level and the fan began operating normal, but when the new MCM was installed and programmed the fan immediately went back to running all the time again. Swapped back to the test MCM and had no change, still running all the time. Went back through T/S load testing all circuits and monitoring fan with DDL and there is no requests from MCM, CPC, or HVAC for the fan to turn on. Went through parameters and set Fan to single speed, set PWM14 to Fan1, Set PWM6 to "Not Parameterized" and verified CPC parameters per the attachment. Have source voltage on pin A to BAT- and 2.3v on pin B to BAT-

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 Preview file   
32 KB

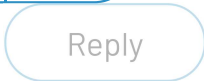


 Pierre\_Beauches  
Techie Technician

03-19-2021 11:53 AM

why did customer replaced fan and solenoid, just make sure solenoid connected correctly. and it's the good part..

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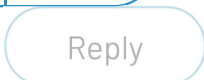
 Dagan\_Williams  
Knuckle Buster

03-19-2021 01:17 PM

Found issue being MCM programming. I compared all parameters to OEM and even compared to another unit and thought had them all matching, but when flashing the MCM back to OEM settings the fan went back to normal operation so not really sure what parameter was the issue. Guess I made the post a little premature after 8 hours with no solution and 30min after I posted I got it running normal lol.

[View solution in original post](#)

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**Brett\_Hall1**  
Knuckle Buster

03-20-2021 07:23 AM

under the the parameters tab you can compare parameters with current module to server data and saved parameter files to check for differences.

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 0 Kudos

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