



DTNA Solutions > Discussions and Feedback > Tech Talk
> Re: CPC Failure - SPN 91 FMI 8, SPN 111 FMI 3, RAC...

Options



ProAm
Knuckle Buster

04-28-2021 05:10 AM

SPN 91 FMI 8, SPN 111 FMI 3, RAC System Filure | HSA and Check Engine (amber) ON

Vehicle Information

VIN: 3AKJGLD57GSGU0030

Mileage: 628640 miles

Model Year: 2016

Are you currently seeing this same issue
on other DTNA vehicles at your location?:
yes

Make: FTL

Base Model: CA125SLP

Model: CASCADIA 125 INCH SLEEPER CAB

Vehicle Systems Involved

ENGINE AND ENGINE
COOLING

VEHICLE SPEED CONTROL

ESC RSC

SPN 91 FMI 8, SPN 111 FMI 3, RAC System Filure | HSA and Check Engine (amber) ON, and also ambient temp. is fluctuating, after a low battery start.

The throttle pedal doesn't work at all.

Ambient temperature alternates (increases and decreases back and forth) from - 5°F to 21°F

Battery disconnect solve the problem for a while and then same problem occurred.

Tags:

Common Powertrain Controller cpc FMI 8 pedal SPN 111 FMI 3 SPN 91 throttle

Add tags



0 Kudos

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10 Replies

Sort:



Scott_Trippel
Optimus Prime

04-28-2021 06:48 AM

111 3 is a coolant lever sensor circuit failed high.
91 8 is an accelerator pedal signal missing, that is why the there is no throttle. HSA lamp is on because the ABS system cannot see the accelerator pedal position I am guessing. I do not know what RAC system failure is, are you using an aftermarket diagnostic reader? It may not read proprietary codes properly.

Tags:

Add tags

Common Powertrain Controller cpc



0 Kudos

Reply



ProAm

Knuckle Buster

04-28-2021 07:07 AM

Could it be due to CPC failure?

Does the Common Powertrain Controller have a power fuse?

If I just replace it - should I have to re-programm anything?

I'm currently over the road and the only "scanner" I have is the dashboard display.

Tags:

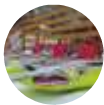
Add tags

Common Powertrain Controller cpc



0 Kudos

Reply



Scott_Trippel

Optimus Prime

04-28-2021 07:31 AM

Go see a dealer, hard to say if it is a cpc, but a cpc needs programing specific to your truck, plus all the parameters settings you have.

Tags:

Add tags

Common Powertrain Controller cpc



1 Kudo

Reply



i Maxime_Perreaul
Apprentice

04-28-2021 08:42 AM

Is the remote sense fuse blown ? I've found multiple unit with that fuse blown and CPC failure. Look at your ground stud for paint under the cable.

Add tags



1 Kudo

Reply



ProAm
Knuckle Buster

04-28-2021 09:35 AM

Where could I find this fuse?
What stud to look at- the battery terminal or another ground stud?

Add tags



0 Kudos

Reply



 Maxime_Perreaul
Apprentice

04-28-2021 10:17 AM

That fuse is a 5 AMP in the PNDB. The ground stud is located near the PNDB as well.

Add tags



1 Kudo

Reply



 ProAm
Knuckle Buster

04-28-2021 09:40 AM

Could it be the LVD (Battery Low Voltage Disconnect)?
It looks strange such a multiple systems failure....

Tags: Add tags
Low Voltage Disconnect lvd



0 Kudos

Reply



 Maxime_Perreaul
Apprentice

04-28-2021 10:15 AM

LVD would be only "comfort load" disconnect. LVD should not affect ABS, Fuel pedal, etc.

Add tags



1 Kudo

Reply



ProAm
Knuckle Buster

04-29-2021 10:55 AM

Checked with a brand new pedal* and nothing.
Everything goes good for a couple minutes, and then get back to exact same faulty status described above...

—

* P/n: A01-33819-000 > A01-34172-001 (Pedal accelerator ensemble)

Tags:

Add tags

A01-33819-000 A01-34172-001 accelerator pedal



0 Kudos

Reply



ProAm
Knuckle Buster

05-05-2021 06:47 AM

That problem is probably due to a communication failure or power issue with the CPC module.

Replaced CPC with test one at the dealership - works fine.

Then replaced with another reman CPC module (reprogrammed accordingly) at the dealership. Problem occurred during the road test.

Replaced with another used CPC module (reprogrammed accordingly) at the dealership. Problem occurred after ~ 45 miles driving, but this time was complete failure, as follows:

1. Cruise control failed (disengaged)
2. Throttle became unstable and unresponsive
3. The engine shutted down while the truck was in motion...
4. After Pull over / attempt to restart - there were no in adequate information - no gear number, a lot of DTC, no lamps, nothing at the LCD

Any ideas what else to be checked?

Add tags



0 Kudos

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