P1167

Fault code description

Fuel temperature - Data valid but too high

Possible cause

1. Faulty fuel blender
2. Blocked leak flow restriction
3. Low fuel level and very high ambient temperatures
4. Faulty temperature sending unit (F803)
5. Short, open or broken wiring

Additional information

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Set condition of fault code

After the truck has been running for more than 200 seconds, fuel temperature monitoring is enabled. Then, if the fuel temperature is above 198°F (92°C) for more than 30 seconds, the fuel temperature notice fault code is set.

Reset condition of fault code

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P1167, Diagnostic information

Technical data

"Sensor, fuel temperature (F803)"

Location of component(s)

"Location information, PMCI-2"

Electrical diagram(s)

"PMCI-2"

Description of component(s)

"Fuel temperature sensor (F803)"

"Fuel pressure control valve"

Block diagram

"PMCI-2"

Step by step troubleshooting

Perform the troubleshooting steps below using the breakout harness if necessary to check electrical components such as sensors, electrical control units or harnesses. Back probing is not recommended as it could damage the harness. The ignition should always be in the OFF position when connecting or disconnecting electrical components to reduce the likelihood of damage to electrical components.

- This troubleshooting tree is based on the assumption that supply power and earth to the PMCI are functioning properly.
- Disconnecting the PMCI connectors during the troubleshooting process will result in multiple errors.
- For specific electrical component information and pin out locations, always refer to the technical data in Rapido.

- It is necessary to exit the 'active errors' screen in DAVIE and run the diagnostic test again to identify a change in errors.
- Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive codes. Refer to the 'possible causes' section in Rapido.

Step 1: Verify fuel level

Troubleshooting steps

1. Verify that the fuel level is within normal range. Low fuel in a high ambient temperature can cause high fuel temperatures.

Is fuel below normal range and is the ambient temperature high?

- Yes – Add fuel. Proceed to step 2.
- No – Proceed to step 2.

Step 2: Check for fault codes

Troubleshooting steps

1. Use DAVIE to find any other active fuel temperature fault codes.

Are there other active fuel temperature fault codes?

- Yes –Proceed to the other active fuel temperature fault codes.
- No – Proceed to step 3.

Step 3: Validation

Troubleshooting steps

1. Turn the key switch ON.
2. Drive the truck under conditions similar to those that caused the fault code.
3. Use DAVIE to view the active fault

codes.

Is P1167 still active?

- Yes – Contact the Engine Support Center (ESC).
- No – The repair is complete.

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