P040F

Fault code description

EGR differential pressure - Data valid but too low

Possible cause

1. Leakage in sensor parts (hoses, sensor ports)
2. Blockage in sensor parts (hoses, sensor ports)
3. Faulty sensor

Additional information

Comparing calculated EGR flow to actual EGR flow

Set condition of fault code

This diagnostic starts 4 seconds after the engine starts and it runs continuously.

Reset condition of fault code

This fault code will change to inactive immediately after the diagnostic runs and passes.

M028536 - 07/23/2015 03:12:02

P040F, Diagnostic information

Technical data

"Sensor, EGR differential pressure (F751)"

Location of component(s)

"Location information, PMCI-2"

Electrical diagram(s)

"PMCI-2"

Description of component(s)

"EGR differential pressure sensor (F751)"

Block diagram

"PMCI-2"

Step by step troubleshooting

Please perform the troubleshooting steps below by utilising 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 by step 1: Visual Inspections

Step 1A: Check sensor and wiring

Troubleshooting steps

1. Visually inspect the sensor and wiring for any of the following:
   - Not leaking at connections and tubes
   - Check for soot in the tubes
   - Tight connection tubes

Was there evidence of any of the above?

- Yes – Repair any issues found. Proceed to step 2A.
- No – Proceed to step 2A.

Step by step 2: Resistance

Step 2A: Check resistance of sensor and wiring

Troubleshooting steps

1. Check the resistance of the sensor and wires. See links at the top of this document for resistance values.

Is there any issue with resistance?

- Yes – Repair any issues found, proceed to step 3.
- No – Proceed to step 3.

Step by step 3: Check fault code

Step 3A: Check if the fault code is active

Troubleshooting steps

1. Verify that the fault code is active or not active.

Is the fault code active?

- Yes – Proceed to step 4A.
- No – Troubleshooting completed.

Step by step 4: Contact PACCAR Engine Support Center

Step 4A: Assistance

Contact the PACCAR Engine Support Center for further assistance.

M046355 - 07/22/2015 16:09:03