P1494

Fault code description

EGR valve position - Out of range

Possible cause

1. EGR valve stuck

Additional information

-

Set condition of fault code

-

Reset condition of fault code

-

M028296 - 07/22/2015 17:04:08

P1494, Diagnostic information

Technical data

"EGR valve sensor (L033)"

Location of component(s)

"Location information, PMCI-2"

Electrical diagram(s)

"PMCI-2"

Description of component(s)

"EGR valve sensor (L033)"

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 wiring and sensor

Troubleshooting steps

1. Visually inspect the wiring and sensor.

Are any issues found?

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

Step by step 2: Check leaks

Step 1A: Check the actuator for leaks

Troubleshooting steps

1. Check the actuator for leaks.

Are any issues found?

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

Step by step 3: Resistance

Step 3A: 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 4.
- No – Proceed to step 4.

Step by step 4: EGR

Step 4A: Initialise EGR

Troubleshooting steps

1. Clear faults.
2. If the fault is cleared, then initialise the EGR.

Does the EGR initialise?

- Yes – Troubleshooting completed.
- No – The EGR valve may need to be replaced. Proceed to step 5A.

Step by step 5: Contact PACCAR Engine Support Center

Step 5A: Assistance

Contact the PACCAR Engine Support Center for further assistance.

M046508 - 07/22/2015 15:14:56