

P2229

Fault code description

ECU ambient pressure sensor - Out of range, Too high on ECU (D365)

Possible cause

1. Faulty pressure sensor in ECU

Additional information

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Set condition of fault code

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Reset condition of fault code

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

M028097 - 07/22/2015 15:03:08

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P2229, Diagnostic information

Technical data

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Location of component(s)

["Location information, PMCI-2"](#)

Electrical diagram(s)

["PMCI-2"](#)

Description of component(s)

["PMCI-2 electronic unit \(D365\)"](#)

Block diagram

["PMCI-2"](#)

Step by step:



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.



- The ambient air pressure sensor is located within the PMCI-2 ECU.
- The complete ambient air pressure sensor circuit is also integrated into the PMCI-2 ECU.
- This troubleshooting tree is based on the assumption that the supply power and earth to the PMCI-2 ECU are functioning properly.
- Disconnecting the PMCI-2 connectors during the troubleshooting process will result

in multiple errors.

- For specific electrical component information and pin out locations, always refer to 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

Visual inspection - Visually inspect the PMCI-2 ECU for dirt or road debris accumulation on the exterior of the PMCI-2 ECU, especially close to the PMCI-2 vent. Refer to Description of Component(s) for vent location.

- If dirt or debris accumulation is found – Proceed to step 2.
- If NO dirt or debris accumulation is found – Proceed to step 3.

Step 2

With key **OFF**, gently clean excessive dirt off the PMCI-2 ECU. When cleaning the exterior of the PMCI-2 ECU, do not use cleaning solvents or high pressure water.

Navigate through DAVIE and monitor errors.

- If the ambient air pressure sensor over range error is still active – Proceed to step 3.
- If the ambient air pressure sensor over range error is no longer active – Proceed to the verification procedure.

Step 3

With DAVIE connected and key **ON**, program the PMCI-2 basis software with the most recent PRS file available on Parts Rapido:

Navigate through DAVIE and monitor errors.

- If the ambient air pressure sensor over range error is still active – Proceed to step 4.
- If the ambient air pressure sensor over range error is no longer active – Proceed to the verification procedure.

Step 4

Possible PMCI failure - Contact the Engine Support Center for further instruction on replacement of the PMCI.

Verification procedure

With DAVIE connected and key on, clear the errors. Start the engine and let it idle to verify with DAVIE that the errors do not re-occur.

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