P1558

Fault code description

Coolant level - Voltage too low or short circuit to ground on ECU (D365) pin (C7)

Possible cause

1. Faulty wiring

2. Faulty connector

3. Faulty sensor

Additional information

-

Set condition of fault code

-

Reset condition of fault code

-

M028277 - 07/22/2015 16:18:57

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P1558, Diagnostic information

Technical data

["Sensor, coolant level low"](#)

Location of component(s)

Refer to the OEM service manual for more information.

Electrical diagram(s)

["PMCI-2"](#)

Description of component(s)

["Coolant level sensor"](#)

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 is 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

Visual inspection - Visually inspect all applicable connectors and harnesses for corrosion, damage and rubbing during each step of the diagnostic procedure. Proceed to step 2.

Step 2

With key OFF, disconnect the harness from the coolant level sensor. Turn the key on and measure the voltage between a battery earth and the supply terminal of the coolant level sensor circuit on the engine harness:

- If the voltage is between 4.75 and 5.25 – Proceed to step 3.

- If the voltage is not between 4.75 and 5.25 – Proceed to step 4.

Step 3

With key OFF, install a jumper wire between the supply and signal terminals of the coolant level sensor connector on the engine harness. Turn the key ON and navigate through DAVIE to read errors:

- If P1559 is active – Replace the coolant level sensor and reconnect the harness. Continue to the verification procedure listed at the end of this document.

- If P1558 is active – Proceed to step 4.

Step 4

With key OFF, disconnect the engine harness from the PMCI and install a jumper wire between the supply and signal terminals of the sensor circuit on the PMCI. Turn the key on and navigate to read errors:

- If P1559 is active – Replace the engine harness and continue to the verification procedure listed at the end of this document.

- If P1558 is inactive – Proceed to step 5.

Step 5

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

M046531 - 07/22/2015 15:13:16

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