P1194

Fault code description

Fuel filter - Very clogged

Possible cause

1. Fuel supply is blocked

Additional information

The low-pressure fuel pressure is measured by the fuel pressure sensor (F801).

The low-pressure fuel temperature is measured by the fuel temperature sensor (F803).

Engine torque is reduced.

Set condition of fault code

The PCI ECU (D420) detects that the fuel temperature is more than 95°C [203°F] and the fuel pressure is too low.

Reset condition of fault code

This fault code changes to inactive when the fault is no longer detected. To validate the repair, key off the ignition for at least 15 seconds, key on again. Then start the engine and operate it at several engine speeds.

M028578 - 07/22/2015 18:14:08

P1194, Diagnostic information

Technical data

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Location of component(s)

-

Electrical diagram(s)

-

Description of component(s)

"Fuel filter"

Block diagram

-

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 any 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

Visually inspect all applicable connectors (bent, broken, corroded or loose pins) and harnesses for corrosion, damage, and rubbing during each step of the diagnostic procedure. Proceed to step 2.

Step 2

1. Check fuel supply line for leakage and blockage.
2. If necessary, repair or replace the supply line.

Is the fuel supply line leaking or blocked?

- Yes – If the fuel supply line is leaking or blocked, replace it. If the fuel supply line was blocked and has been replaced, drain and inspect the fuel tank for a possible source of contaminants.
- No– Proceed to step 3.

Step 3

1. Check fuel blender for leakage and blockage.
2. Check the O-ring for damage.

Is the fuel blender leaking or blocked?

- Yes – Replace the O-ring or fuel blender as needed. Proceed to step 4.
- No– Proceed to step 4.

Step 4

1. Use DAVIE to re-check for the presence of active faults.

Is the fault code inactive?

- Yes – Resolve issue found.
- No– Replace the fuel filter. Use DAVIE to recheck the presence of the fault code. If the fault code is no longer active, clear codes and run truck for validation of repair. If fault code is still active, proceed to step 5.

Step 5

Contact the Engine Support Center (ESC) for further assistance.

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