P3836

Fault code description

Intake module fuel pressure - Data valid but too low

Possible cause

1. Leakage, blockage or restrictions in the aftertreatment fuel circuit.
2. Leakage, blockage or restrictions in the intake module
3. Leakage, blockage or restrictions in the engine fuel circuit.

Additional information

The aftertreatment fuel circuit must be inspected after completing the appropriate repair. Inspect the components in the fuel circuit for re-use.

Set condition of fault code

This diagnostic runs during active regeneration of the DPF.

The EAS-3 ECU detects that the fuel pressure in the aftertreatment system is below the minimum fuel pressure required for fuel injection into the aftertreatment system.

Reset condition of fault code

This fault code will change to inactive following a key cycle immediately after the diagnostic runs and passes active regeneration of the DPF.

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P3836, Diagnostic information

Technical data

"Intake module, fuel (L072)"

Location of component(s)

"Location information, EAS-3"

Electrical diagram(s)

Refer to the OEM service manual for more information.

Description of component(s)

"Intake module, fuel (L072)"

Block diagram

"Block diagram EAS-3"

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.

- Disconnecting the EAS 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.
- It is necessary to exit the fault code menu 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 fault codes. Refer to the 'possible causes' section.

Step by step 1: Check fault codes

Step 1A: Check for fault codes

Troubleshooting steps

1. Turn the key switch ON.
2. Use DAVIE to check for fault codes.

Are fault codes related to the fuel intake module, fuel pressure sensor, fuel shut off valve, air shut off valve or fuel dosing module active?

- Yes – Proceed with the appropriate fault code
- No – Proceed to step 2A

Step by step 2: Check the aftertreatment fuel system

Step 2A: inspect for fuel leaks

Troubleshooting steps

1. Turn the key switch ON
2. Start the engine and let it run at idle.
3. Pressurise the aftertreatment fuel injection system.
4. Perform the fuel dosing module leak test. For more information go to 'Explanatory notes to DAVIE'. Performing the test will pressurise the system without injecting fuel.
5. Inspect the intake module, fuel lines and fuel line connections for leaks.

Are fuel leaks found in the aftertreatment fuel

system?

- Yes – Repair the fuel leak - Proceed to step 3A
- No – Proceed to step 2B

Step 2B: Inspect the fuel intake module

Troubleshooting steps

1. Turn the key switch OFF.
2. Remove the fuel intake module.
3. Inspect the fuel inlet and outlet ports of the fuel intake module.

Is debris found in the fuel inlet and/or outlet ports of the fuel intake module?

- Yes – Remove the debris from the fuel intake module. Proceed to step 3A
- No – Proceed to step 2C

Step 2C: Inspect the aftertreatment fuel lines

Troubleshooting steps

1. Turn the key switch OFF.
2. Remove the fuel supply line to the fuel intake module.
3. Inspect the fuel supply line for blockage or restrictions.

Is there debris or restrictions in the fuel supply line?

- Yes – Clean or replace the fuel supply line. - Proceed to step 3A
- No – A fuel supply problem on the engine could be the cause - Proceed to step 3A

Step by step 3: Clear the fault code

Step 3A: Disable the fault code

Troubleshooting steps

1. Connect all components.

2. Operate the system within the 'reset condition of the fault code' found in the fault code information.
3. Use DAVIE to verify if the fault codes are inactive.

Is fault code P3836 inactive?

- Yes – Proceed to step 3B
- No – Return to the troubleshooting steps - Proceed to step 1A

  If all the steps have been completed and checked again, contact the Engine Support Center for further instructions.

Step 3B: Clear the inactive fault codes

Troubleshooting steps

1. Connect all components
2. Turn the key switch ON.
3. Use DAVIE to clear the inactive fault codes.

Have all the fault codes been cleared?

- Yes – Repair complete
- No – Troubleshoot any remaining active fault codes

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