

P3788

Fault code description

Diesel Particulate Filter (DPF) - Soot level low (1) or medium (2)

Possible cause

1. The engine has been operating under light load conditions that prevented exhaust temperatures from being high enough to actively regenerate the DPF.
2. An engine malfunction that is increasing smoke output.

Additional information

The soot load in the DPF is estimated using the DPF pressure sensor and the calculated soot output of the engine.

This fault code may be triggered if the application is not operating at a duty cycle that is high enough to regenerate the DPF. This fault code indicates that the exhaust temperature exiting the turbocharger is not high enough to regenerate the soot that is trapped in the DPF. It may be necessary to increase the duty cycle of the application in order to prevent blocking of the DPF.

Set condition of fault code

This diagnostic runs continuously when the engine speed is greater than the set limit.

The EAS-3 ECU detects that the soot load inside the DPF has reached level 1 and/or 2 (least severe level).

Reset condition of fault code

The fault is cleared after a stationary regeneration of the DPF and the soot load in the aftertreatment diesel particulate filter has dropped below soot level 1.

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may change daily. Therefore the provided information is only valid on 12-16-2015. You cannot derive any rights from the information provided with respect to vehicles and/or components of another series, with another chassis number, and/or of another date. (/)

P3788, Diagnostic information

Technical data

["Sensor, DPF pressure \(F837\)"](#)

Location of component(s)

["Location information, EAS-3"](#)

Electrical diagram(s)

Refer to the OEM service manual for more information.

Description of component(s)

["Sensor, DPF pressure \(F837\)"](#)

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 other than P3788 active?

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

Step by step 2: Stationary regeneration

Step 2A: Perform the DPF regeneration test

Troubleshooting steps

1. Turn the key switch ON.
2. Start the engine.
3. Perform the 'DPF regeneration test'. For more information go to 'Explanatory notes to DAVIE'.

Is fault code P3788 active after the regeneration is completed?

- **Yes** – Check for active fault codes that may have become active during the regeneration. Proceed to step 3A
- **No** – 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 P3788 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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