

P3975

Fault code description

DPF regeneration switch - Timer-based regeneration inhibit

Possible cause

1. The driver enabled the inhibit switch when the system was requesting an active regeneration of the after-treatment system.
2. Faulty OEM inhibit switch or wiring

Additional information

If this fault code is active and there has been damage to the after-treatment system, the inhibit switch can possibly have prevented the after-treatment system from performing an active regeneration of the DPF.

Set condition of fault code

This diagnostic runs continuously when the key switch is ON.

The inhibit switch was enabled when fault code P3787, P3788 or P3789 was active or when the system was requesting an active regeneration of the after-treatment system.

Reset condition of fault code

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

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P3975, Diagnostic information

Technical data

Refer to the OEM service manual for more information.

Location of component(s)

Refer to the OEM service manual for more information.

Electrical diagram(s)

Refer to the OEM service manual for more information.

Description of component(s)

Refer to the OEM service manual for more information.

Block diagram

Refer to the OEM service manual for more information.

Step by step troubleshooting



Please perform the troubleshooting steps below by utilizing 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.

Is fault code P3975 active?

- **Yes** – Check if the after-treatment system is in good condition - Proceed to step 2A
- **No** – Proceed to step 2A

Step by step 2: Clear the fault code

Step 2A: 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 P3975 inactive?

- **Yes** – Proceed to step 2B
- **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 2B: 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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