

## P3976

### Fault code description

Diesel particulate filter (DPF) - Unable to complete the timer-based regeneration

### Additional information

This fault code is an information **only** fault code indicating that the EAS system was requesting an active regeneration of the DPF, but was unable to perform an active regeneration because the engine did not enter DPF regeneration mode.

### Set condition of fault code

This diagnostic runs continuously when the engine is running and the EAS-3 ECU is requesting an active regeneration of the DPF.

The EAS-3 ECU detects that the engine did not enter DPF regeneration mode.

### Reset condition of fault code

To validate the repair, perform the 'DPF regeneration' test with DAVIE.

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

### Technical data

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## P3976, Diagnostic information

### Technical data

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### Location of component(s)

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

### Electrical diagram(s)

Refer to the OEM service manual for more information.

### Description of component(s)

["DPF unit"](#)

### 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.

#### Is fault code P3789, P3787 or P3788 active?

- **Yes** – Proceed with the appropriate fault code
- **No** – This is an information only fault code. See additional information. 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 P3976 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

M046923 - 07/22/2015 15:10:41

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