

## P3778

### Fault code description

Fuel dosing module - Degraded

### Possible cause

1. A dirty or damaged fuel dosing module.

### Additional information

The EAS-3 ECU detects that the aftertreatment fuel dosing module has used up all compensation.

Active DPF regeneration will be disabled.

Possible ineffective regeneration of the DPF can result after the fault code has changed to active.

### Set condition of fault code

This diagnostic runs during active regeneration of the DPF system.

The EAS-3 ECU detects that the fuel dosing module cannot inject enough fuel for active regeneration of the DPF system.

### Reset condition of fault code

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

It is necessary to run a stationary regeneration or use DAVIE to clear this fault.

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## P3778, Diagnostic information

### Technical data

["Dosing module, fuel \(L073\)"](#)

### Location of component(s)

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

### Electrical diagram(s)

Refer to the OEM service manual for more information.

### Description of component(s)

["Dosing module, fuel \(L073\)"](#)

### Block diagram

["Block diagram EAS-3"](#)

### Step by step troubleshooting



Please perform the troubleshooting steps below using 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 fuel dosing module

### Step 2A: Inspect the fuel dosing module

#### Troubleshooting steps

1. Turn the key switch OFF.
2. Remove the fuel dosing module.
3. Place the fuel dosing module in a measuring container and cover the measuring container.
4. Perform the 'fuel dosing system override test' and the 'dosing module leak test'. For more information, go to 'Explanatory notes to DAVIE'.

Does the fuel dosing module meet the specifications?

- **Yes** – Proceed to step 3A

- **No** – Replace the fuel dosing module -  
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 P3778 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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